



**freccia**<sup>®</sup>

ENGINE PARTS

43



FRECCIA® is a very well known brand appreciated all over the world, thanks to our 100 years experience in the production of engine components, both for the OE and the Aftermarket.

On this occasion we are pleased to present edition N. 43 of our catalogue including camshafts, engine valves, valve guides, lifters, tappets, rocker arms and shims: 6 lines of products covering the main European, Asian and American applications.

The quality of our products is guaranteed by the Certification of our quality systems according to the Standard ISO 9001:2015, obtained with last-generation machinery and a know-how developed thanks to a continual cooperation of FRECCIA technical staff with the main engine manufacturers.

Our excellent logistics and sales team will quickly meet your requirements worldwide.



FRECCIA® è un marchio conosciuto ed apprezzato nel mondo grazie a cento anni di esperienza nella produzione di componenti motore destinati al mercato di primo impianto e aftermarket.

In questa occasione abbiamo il piacere di presentare l'edizione 43 del catalogo che comprende i prodotti alberi a camme, valvole, guidavalvole, punterie, leva a bilanciere e pastiglie registro valvole, sei linee di prodotto che coprono le principali motorizzazioni europee, asiatiche e americane.

La qualità dei prodotti è garantita dalla certificazione dei sistemi di qualità secondo la norma ISO 9001:2015 perseguita tramite l'utilizzo di macchinari di ultima generazione e know-how sviluppato grazie ad una continua collaborazione dello staff tecnico FRECCIA con i maggiori costruttori di motori.

Un eccellente team logistico e commerciale sarà in grado di soddisfare le vostre richieste nel più breve tempo possibile in ogni parte del mondo.



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**PARTI MOTORE**

**ENGINE PARTS**

**PIECES DE MOTEURS**

**MOTORENTEILE**

**COMPONENTES DEL MOTOR**

**ЧАСТИ ДВИГАТЕЛЯ**



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**QUALITÀ ACCIAI E SPECIFICHE**

**MATERIALS SPECIFICATIONS**

**QUALITE DES ACIERS ET SPECIFIQUES**

**MATERIAL SPEZIFIKATIONEN**

**CALIDAD DE LOS ACEROS  
Y ESPECIFICACIONES**

**ЧАСТИ ДВИГАТЕЛЯ СПЕЦИФИКАЦИЯ  
МАТЕРИАЛОВ**



## N

- I Valvole di aspirazione di normale impiego in acciaio al cromo nichel.
- GB Inlet valves for normal use in chrome nickel steel.
- F Soupapes d'admission d'emploi normal en acier au chrome nickel.
- D Einlaßventile für Normaleinsatz aus Chrom-Nickelstahl.
- E Válvulas de admisión de uso normal, de acero al cromoníquel.
- RUS Клапана всасывающие для нормального применения из стали с никелированным хромом.

## S

- I Valvole di aspirazione con particolari esigenze e valvole di scarico per motori normali in acciaio martensitico al cromo silicio.
- GB Inlet valves with particular needs and exhaust valves for normal engines in silicon chrome-plated martensitic steel.
- F Soupapes d'admission avec des exigences particulières et soupapes d'échappement pour moteurs normaux en acier martensitique au chrome et silicium.
- D Einlaßventile mit besonderen Anforderungen und Auslaßventile für Normaleinsatz aus martensitischem Chrom-Siliziumstahl.
- E Válvulas de admisión con exigencias especiales y válvulas de escape para motores normales, en acero martensítico revestido de cromosilicio.
- RUS Клапана всасывающие со специальными требованиями и клапана выбрасывания для нормальных двигателей из стали типа мартензий с хромом типа силико.

## XB

- I Valvole di scarico in acciaio al 20% di cromo con elevata resistenza alle alte temperature ed alla corrosione.
- GB Exhaust valves manufactured with steel containing 20% of chrome. These valves are particularly resistant to high temperatures and corrosion.
- F Soupapes d'échappement en acier à 20% de chrome avec une résistance élevée aux hautes températures et à la corrosion.
- D Auslaßventile aus Chromstahl 20% mit hoher Temperatur- und Korrosionfestigkeit.
- E Válvulas de escape de elevada resistencia a las altas temperaturas y a la corrosión, fabricadas de acero con 20% de cromo.
- RUS Клапана выбрасывающие из стали с 20% хрома с повышенной устойчивостью к высоким температурам и коррозиям.

## R

- I Valvole di scarico in acciaio al cromo-nichel-manganese per motori a scoppio e Diesel in difficili condizioni termiche e meccaniche.
- GB Exhaust valves manufactured with chrome-nickel-manganese steel for petrol and Diesel engines which undergo difficult thermic and mechanical conditions.
- F Soupapes d'échappement en acier au chrome-nichel-manganèse pour moteurs à explosion et Diesel en conditions thermiques et mécaniques difficiles.
- D Auslaßventile aus Chrom-Nickel-Manganstahl für Benzin- und Dieselmotoren unter schwierigen thermischen und mechanischen Bedingungen.
- E Válvulas de escape para motores y Diesel de difíciles condiciones térmicas y mecánicas, fabricadas de acero al cromoníquel-manganeso.
- RUS Клапана выбрасывающие из стали с хромом-никелем-магнезием для двигателей от искры и на дизельном топливе используемых в трудных термических и механических условиях.


**I**

- I** Valvola in Nimonic. Superlega a base di nickel amagnetica, particolarmente adatta per valvole di aspirazione e scarico operanti ad elevatissime temperature ed in atmosfera altamente corrosiva (es. motori da corsa).
- GB** Valve manufactured with Nimonic. This is a super amagnetic alloy composed essentially by nickel, particularly suitable for inlet and exhaust valves which are subject to high temperatures and to a big corrosive action (i.e. racing engines).
- F** Soupape en Nimonic. Superalliage amagnétique à base de nickel, particulièrement approprié pour des soupapes d'admission et d'échappement travaillantes à des températures très élevées dans une atmosphère corrosive (Ex: moteurs de compétition).
- D** Ventile aus Nimonic. Das ist eine nicht-magnetische Superlegierung aus Nickel, die besonders für Einlaß- und Auslaßventile geeignet ist, die sehr hohen Temperaturen und einer großen Korrosion unterliegen (z.B.: Rennmotoren).
- E** Válvula de Nimonic. Superaleación a base de níquel amagnético, especialmente idónea para válvulas de admisión y escape que funcionan a muy altas temperaturas y en una atmósfera altamente corrosiva (es: motores de competición).
- RUS** Клапан из нимоника. Супер сплав в основе из никеля и амагнетика, особенно подходящий для всасывающих и выбрасывающих клапанов работающих при очень высоких температурах и в условиях повышенной коррозии (пр.двигатели для гоночных авто).

**NT**

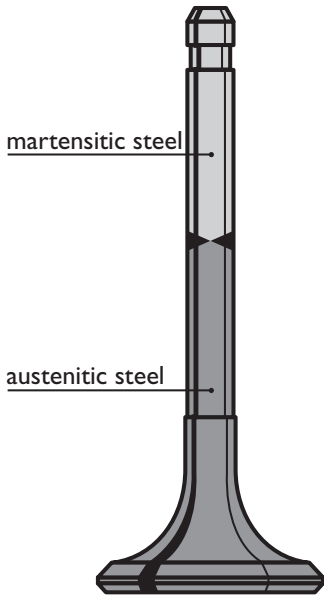
- I** Valvole che hanno subito il processo di nitrurazione morbida. Detto trattamento consente di migliorare la resistenza all'usura dello stelo. Lo strato sottoposto a tale trattamento funge anche da protezione superficiale limitando i pericoli di grippaggio anche in ipotesi di mancanza di lubrificazione.
- GB** Valves which have undergone a liquid nitriding process. This treatment improves the valve stem resistance to corrosion. The layer which undergoes such treatment also acts as a surface protection, limiting the danger of seizure, even in the absence of lubrication.
- F** Soupapes qui ont subi un procédé de nitruration. Ce traitement permet d'améliorer la résistance à l'usure de la tige. La couche soumise à ce traitement fait aussi de protection superficielle en limitant les dangers de grippage même s'il y a l'hypothèse de manque de lubrification.
- D** Ventile, die einem Nitrierungsprozess unterzogen worden sind. Diese thermische Behandlung erhöht die Verschleißfestigkeit des Schaftes. Die so behandelte Schicht funktioniert auch als Oberflächenschutz und verringert die Fressensgefahr auch bei fehlender Schmierung.
- E** Válvulas sometidas a un proceso de nitruración en baño de sales. Este tratamiento mejora la resistencia de las válvulas al desgaste. La capa sometida a dicho tratamiento actúa también como protección de la superficie, limitando el riesgo de agarrotamiento, incluso ausencia de lubricación.
- RUS** Клапаны прошедшие щадящий процесс нитрации. Так называемая обработка позволяет улучшить устойчивость стержня на износ. Слой подверженный такой обработке исполняет так же специфическую защиту, исключая опасность блокировки даже допуская отсутствие смазки.

**CR**

- I** Valvole con stelo cromato. Questo processo aumenta l'indurimento superficiale dello stelo con conseguenti vantaggi allo scorrimento.
- GB** Valves with chrome plated stem. This process increases the surface hardening of the stem with consequent sliding ease.
- F** Soupapes avec tige chromée. Cette procédé augmente le durcissement superficiel de la tige avec les avantages conséquents de glissement.
- D** Ventile mit verchromtem Schaft. Diese Behandlung verbessert die oberflächliche Verhärtung des Schaftes. Das erleichtert auch die Gleitung der Ventile in der Führung.
- E** Válvulas de acero cromado, proceso que aumenta el endurecimiento de la superficie del vástago, con las consiguientes ventajas de deslizamiento.
- RUS** Клапана с хромированным стержнем. Этот процесс повышает поверхностное затверждение стержня с последующими привилегиями при движении.

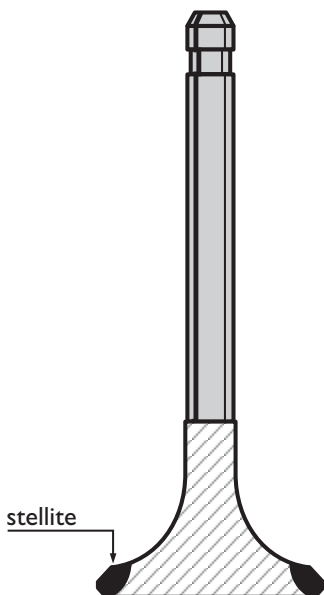


## BM



- I** Valvole di scarico bimetalliche per motori a scoppio e Diesel con particolari esigenze. Queste valvole presentano la testa in acciaio R o I, i quali hanno una elevata resistenza al calore, e lo stelo in acciaio S, che ha una notevole resistenza all'usura. L'accoppiamento dei due acciai, austenitici e amagnetici per la testa e martensitico per lo stelo, consente l'indurimento dell'estremità dello stelo.
- GB** Bimetallic valves for Diesel and petrol engines with particular needs; the head of these valves is manufactured in R or I steel and is very resistant to heat, while the stem, made in S steel, is very resistant to wear. The combination of these two steels, austenitic amagnetic for the head and martensitic for the stem, allows the hardening of the stem end.
- F** Soupapes d'échappement bimétalliques pour moteurs à explosion et Diesel avec des exigences particulières; ces soupapes présentent la tête en acier R ou I avec une résistance à la chaleur élevée et la tige en acier S avec une grande résistance à l'usure. L'accouplement des deux aciers, austénitique et amagnétique pour la tête et martensitique pour la tige permet le durcissement du bout tige.
- D** Bimetall-Auslaßventile für Benzin- und Dieselmotoren mit besonderen Anforderungen: diese Ventile haben einen sehr hitzbeständigen Ventilkopf aus R oder I Stahl und einen sehr verschleißfesten Scaft aus S Stahl. Die Verbindung von zweien Stählen, d.h. einem Austenit-Stahl für den Ventilkopf und einem Martensit-Stahl für den Schaft gibt die Verhärtung des Schaftendes zu.
- E** Válvulas de escape bimetalicas para motores de explosión y Diesel de exigencias especiales. Estas válvulas poseen la cabeza en acero R o I, que tienen una alta resistencia al calor, y el vástago en acero S, de alta resistencia al desgaste. La combinacion de los dos aceros, auteníticos y amagnéticos en la cabeza de la valvula y martensítico para el vástago, permiten el endurecimiento del extremo del vástago.
- RUS** Клапана выбрасывающие двухметальные для двигателей от искры и дизельных с особыми требованиями. Эти клапана имеют головную часть из стали R или I, и которые имеют повышенную устойчивость к высоким температурам, и стержень из стали S, которая имеет повышенную устойчивость на износ. Сочетание двух видов стали аустенитичной и обезмагниченной для головной части и типа мартенстико для стержня, позволяет затвердить конечность оси.

## AR



- I** Valvola stellite. Al fine di migliorare la resistenza all'usura ed alla corrosione della sede valvola, si ricorre ad un riporto di stellite sulla medesima. Tale riporto è particolarmente consigliato per motori alimentati con benzina senza piombo.
- GB** In order to improve the valve seat resistance to wear and to corrosion, the seat itself undergoes a stellite coating process. This is particularly recommended for engines which function with unleaded fuel.
- F** Pour améliorer la résistance de la siège de la soupape à la chaleur et à la corrosion, la siège est soumise à un traitement de report de stellite, qui est particulièrement conseillé pour moteurs alimentées avec carburants sans plomb.
- D** Um die Verschleiß- und Korrosionfestigkeit des Sitzes zu verbessern, wird der Ventil Sitz einer Bearbeitung mit Stelliteauflage unterbreitet. Diese Bearbeitung ist besonders für bleifrei Benzinmotoren geeignet.
- E** Válvula a base de stellite. A fin de mejorar la resistencia al desgaste y a la corrosión del asiento de la válvula, se recurre a una transferencia de aleación Stellite sobre la válvula. Dicha aplicación es especialmente aconsejable para motores que usan gasolina sin plomo.
- RUS** Клапан стелитированный. Для улучшения выносливости на износ и коррозию седельных клапанов, прибегают к покрытию стелитом этого же клапана. Такое покрытие особенно рекомендованно для моторов на бензине без олова.





## G

- I Ghisa grigia a matrice perlitica con % di fosforo; migliora la resistenza all'usura con elevata capacità antifrizione.
- GB Pearlitic grey iron with % of phosphor; it improves the wear resistance with a high antifriction capacity.
- F Fonte grise perlitique à graphite lamellaire avec % de phosphore; elle améliore la résistance à l'usure avec une haute capacité d'antifricción.
- D Grauguss mit perlitischem Gefüge und Phosphoranteil; verringerter Verschleiß und geringer Reibungswiderstand.
- E Fundición gris con matriz perlítica y % de fósforo; mejora la resistencia al desgaste con elevada capacidad de antifricción.
- RUS Серый чугун с матрицей с % фосфора улучшает сопротивление на износ с повышенной способностью к потивосцеплению.

## B

- I Bronzo con % di manganese; ottima conduttività termica e molto resistente all'usura. Particolarmente adatto a motori di ultima generazione con testate in alluminio. Lega utilizzata dalle principali case costruttrici europee.
- GB Bronze with % of manganese; excellent thermal conductivity and very wear resistant. Particularly fit for last generation engines with aluminium heads. Alloy used by leading European manufacturers.
- F Bronze avec % de manganese; excellente conductivité thermique et très résistante à l'usure. Particulièrement indiqué pour les moteurs de la dernière génération avec culasses en aluminium. Alliage utilisé par les principaux constructeurs européens.
- D Bronze mit Magnesiumanteil; hervorragende Wärmeleitfähigkeit und hoher Verschleißwiderstand. Diese Metall-Legierung findet Verwendung bei führenden europäischen Herstellern. Insbesondere geeignet für die letzte Zylinderkopfgeneration aus Aluminium.
- E Bronce con % de manganeso; óptima conductividad térmica y muy resistente al desgaste. Particularmente adaptado a los motores de última generación con culatas de aluminio. Material utilizado en las principales marcas constructoras de Europa.
- RUS Вронза с % магния отличный проводник тепла и очень устойчива на износ. Особенно подходит для моторов последнего поколения с головной частью из алюминия. Сплав используемый на ведущих европейских заводах.

## SM

- I Lega sinterizzata ad elevata resistenza meccanica.
- GB Sintered alloy with high mechanical resistance.
- F Alliage fritté avec haute résistance mécanique.
- D Sinterlegierung mit hohem mechanischem Widerstand.
- E Aleación sinterizada a una elevada resistencia mecánica.
- RUS Сплав агломерированный с повышенной механической устойчивостью.



# A

- I** Acciaio cementato e temprato.
- GB** Cemented and hardened steel.
- F** Acier cémenté et trempé.
- D** Zementierter, gehärteter Stahl.
- E** Acero cementado y templado.
- RUS** Таль цементированная и закаленная.



# A

- I** Acciaio speciale per sedivalvole particolarmente indicato per motori alimentati a benzina verde e diesel. Si distingue per:
  - Buona resistenza all'usura.
  - Buona resistenza ed indeformabilità a caldo
  - Ottima resistenza verso l'ossidazione a caldo fino a temperature superiori a 700° C.
- GB** Special steel for valve seats particularly suitable for Diesel and unleaded petrol engines. Its main features are:
  - Good resistance to wear
  - Good resistance and no deformation in hot condition
  - Very good resistance to heat oxidation at temperatures over 700° C
- F** Acier spécial pour sièges de soupape particulièrement indiqué pour moteurs à essence sans plomb et Diesel. Les caractéristiques principales de cet acier sont:
  - Bonne résistance à l'usure
  - Bonne résistance et indéformabilité à chaud
  - Considérable résistance à l'oxydation à chaud jusqu'aux températures supérieures à 700°C
- D** Spezialstahl für Ventilsitze besonders geeignet für Dieselmotoren und bleifrei Benzinmotoren. Er unterscheidet sich durch:
  - Gute Verschleißfestigkeit.
  - Gute Wärmebeständigkeit und Formfestigkeit bei hohen Temperaturen
  - Sehr gute Wärmeoxydationsbeständigkeit bis zu Temperaturen über 700°C
- E** Acero especial para asientos de válvula particularmente indicado para motores alimentados con gasolina sin plomo y diesel. Se distingue por:
  - Buena resistencia al desgaste
  - Buena resistencia e indeformabilidad al calor
  - Óptima resistencia a la oxidación con el calor hasta temperaturas superiores a 700°C
- RUS** Сталь специальная для седельных клапанов особенно рекомендуется для двигателей на бензине без олова и дизельном топливе. Отличается
  - Хорошей устойчивостью на износ.
  - Хорошей устойчивостью от деформации при воздействии температур.
  - Отличная устойчивость на окисление при высоких температурах превышающих 700 C

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**GUIDA ALL'USO DEL CATALOGO**

**HOW TO USE THE CATALOGUE**

**EMPLOI DU CATALOGUE**



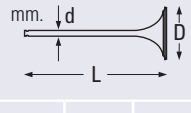
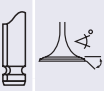
**ANLEITUNG ZUR BENUTZUNG DES  
KATALOGES**

**EMPLEO DEL CATALOGO**

**РУКОВОДСТВО ПО  
ИСПОЛЬЗОВАНИЮ КАТАЛОГА**

**VALVOLE**  
**ENGINE VALVES**



ANNO year	CIL cyls	MARCA E MODELLO make-type	 Ø	N. ORIGINALE o.e. number	IN/EX  D	RIFERIMENTO FRECCIA Freccia reference	mm. $\downarrow$ d  L			
<p>Anno Year An Jahr Año Год</p>	<p>Cilindri Cylinders Cylindres Zylinder Cilindros Цилиндр</p>	<p>Marca, motore Make, engine Marque, moteur Typ, Motor Marca, motor, características Марка</p>	<p>Alesaggio Cylinder bore Alésage du cylindre Zylinderbohrung Diámetro Внутренний диаметр</p>	<p>Numero riferimento originale valvole Original part number for valves Numéro de référence première monte de la soupape Originalnummer der Ventile Número referencia original válvula Номер относящийся к оригинальному клапану</p>	<p>IN valvola aspirazione - EX valvola scarico IN Inlet Valve - EX Exhaust valve IN Soupape admission - EX Soupape échappement IN Einlassventil - EX Auslassventil IN válvula admisión - EX válvula escape IN клапан вытяжной - EX клапан выброса</p>	<p>Riferimento Freccia valvole Freccia reference for valves Référence Freccia soupapes Freccia Ventilnummer Referencia Freccia válvula Указатель Freccia клапана</p>	<p>Acciaio valvole Engine valves materials Matières des soupapes Werkstoff der Ventile Material de la válvula Материалы клапанов</p>	<p>Quote nominali valvole Nominal dimensions of the valves Cotes nominales des soupapes Nennabmessungen der Ventile Dimensión nominal válvula Номинальная отметка клапанов</p>	<p>Tipo fermo valvola Valve stem end type Type de gorge de fixation soupape Ausführung Ventilschaftende Tipo fijación válvula Тип стопора клапана</p>	<p>Angolo sede valvola Valve seat angle Angle du siège de soupape Sitzwinkel am Ventil Ángulo asiento válvula Угол седла клапана</p>

**GUIDAVALVOLE  
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI	MATERIALE material	FORMA shape

Numero riferimento originale guidavalvole  
Original part number for guides  
Numéro de référence de première monte  
du guide de soupape  
Originalnummer der Ventilführungen  
Número referencia original guía  
Номер отметки оригинальной  
направляющей

Riferimento Freccia guidavalvole  
Freccia reference for valve guides  
Référence Freccia guides de soupape  
Freccia Ventilführungsnummer  
Referencia Freccia guía  
Указатель Freccia направляющих

IN aspirazione - EX scarico  
IN Inlet - EX Exhaust  
IN admission - EX échappement  
IN Einlassventilführung - EX  
Auslassventilführung  
IN admisión - EX escape  
IN вытяжной - EX выброса

Quote nominali guidavalvole  
Nominal dimensions of the valve guides  
Cotes nominales des guides de soupape  
Nennabmessungen der Ventilführungen  
Dimensión nominal guía  
Номинальная отметка направляющих

Materiali guidavalvole  
Valve guides materials  
Matières des guides de soupape  
Werkstoff der Ventilführungen  
Material guía de válvula  
Материалы направляющих клапанов

Forma guidavalvola  
Valve guides shape  
Forme des guides de soupape  
Form der Ventilführungen  
Forma guía de válvula  
Форма направляющих клапанов

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I	NOTE remarks

Numero originale punterie / bilancieri  
Original part number for lifters / rocker arms  
Numéro de référence de première monte des  
poussoirs / basculeurs  
Originalnummer des Stössels / Kipphebel  
Número original taquet / balancines  
Оригинальный номер толкателя /  
Коромысла клапанов

Riferimento Freccia punterie / bilancieri  
Freccia reference for lifters / rocker arms  
Référence Freccia des poussoirs / basculeurs  
Freccia Stösselnummer / Kipphebelnummer  
Referencia Freccia taquet / balancines  
Указатель Freccia толкателя / Коромысла  
клапанов

I punterie idrauliche - M punterie meccaniche  
I Hydraulic lifters - M mechanical lifters  
I poussoirs hydrauliques - M poussoirs  
mécaniques  
I hydraulisch - M mechanisch  
I taquet hidráulico - M taquet mecánico  
I толкатели гидравлические - M толкатели  
механические

# GUIDA ALL'USO DEL CATALOGO HOW TO USE THE CATALOGUE

## ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	CAM 1 Ø mm	CAM 2 Ø mm	NOTE remarks
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Anno  
Year  
An  
Jahr  
Año  
Год

Cilindri  
Cylinders  
Cylindres  
Zylinder  
Cilindros  
Цилиндр

Marca, motore  
Make, engine  
Marque, moteur  
Typ, Motor  
Marca, motor,  
características  
Марка

Alesaggio  
Cylinder bore  
Alésage du cylindre  
Zylinderbohrung  
Diámetro  
Внутренний диаметр

Numero riferimento originale  
Original part number  
Numéro de reference première  
Originalnummer  
Número referencia original  
Номер относящийся к оригинальному

Riferimento Freccia  
Freccia reference  
Référence Freccias  
Freccia Nummer  
Referencia Freccia  
Указатель Freccia

Quote nominali  
Nominal dimensions  
Cotes nominales  
Nennabmessungen  
Dimensión nominal  
Номинальная отметка

## REGOLE PER IL CORRETTO MONTAGGIO

Freccia International srl **raccomanda il montaggio corretto "a regola d'arte"** di tutti i suoi prodotti secondo quanto prescrivono le Case Costruttrici.

Freccia International srl **prescrive la sostituzione a nuovo di tutti i componenti che interagiscono con la valvola:** guidavalvole, punterie idrauliche (ove presenti), piattelli, semiconi, molle, sedi-testa, paraoli. La mancata sostituzione di tali componenti (con altri nuovi) può causare una usura precoce della valvola o la rottura immediata della stessa. Il rimpiazzo del paraolio montato sulla guida-valvola è necessario per evitare trafileggi eccessivi di olio. Inoltre onde evitare difetti nell'allineamento degli assi dei componenti, è necessario il ripristino delle corrette tolleranze dimensionali, di posizione e di forma prescritte dalle case costruttrici.

### Raccomandazioni:

- 1** In fase di montaggio lubrificare il foro della guida e la sede-valvola.
- 2** Evitare di colpire con il martello (anche quello di gomma) la zona terminale dello stelo già in tensione dalle molle nell'errata convinzione di assestare valvole e componenti accoppiati.
- 3 PER MOTORI DOTATI DI PUNTERIE IDRAULICHE**, a motore completamente montato, è necessario fare compiere al motore stesso (manualmente) alcuni giri e quindi attendere almeno 30 minuti prima di avviare (questo accorgimento è necessario per permettere alle punterie idrauliche di svolgere il loro compito in maniera progressiva e senza "urti").
- 4** Sostituire olio motore vecchio e relativo filtro.
- 5 PER MOTORI DOTATI DI PUNTERIE MECCANICHE**, dopo il montaggio ripristinare il giuoco punterie/pastiglie- registro valvole al valore prescritto dalle case costruttrici e ripetere l'operazione dopo 1000 km di funzionamento.
- 6** Le valvole operano in condizioni di intenso stress meccanico e sono sottoposte ad alta temperatura e ad attacchi chimici. Pertanto quando sono chiuse devono avere una perfetta tenuta altrimenti si verifica un'immediata caduta di potenza e si innesca una prematura usura della valvola.

## ALBERI A CAMME FRECCIA

Queste norme di montaggio, che vi invitiamo a seguire scrupolosamente, vi vengono fornite al fine di garantire un corretto montaggio e utilizzo dell'albero a camme FRECCIA.

### Vi invitiamo a seguire attentamente le seguenti istruzioni:

- 1** Controllare attentamente che il prodotto da Voi acquistato sia identico a quello da sostituire.
- 2** Controllare che tutte le parti che sono direttamente o indirettamente a contatto con l'albero a camme non presentino usure eccessive, in caso contrario provvedere alla sostituzione.
- 3** Provvedere alla sostituzione delle punterie e martelletti al fine di evitare anomalie funzionali dell'albero a camme.
- 4** Prima di posizionare il nuovo albero a camme controllare che tutti i canali di lubrificazione siano puliti al fine di poter permettere un'efficace lubrificazione.
- 5** Provvedere alla regolazione del gioco assiale dell'albero montato osservando scrupolosamente le istruzioni riportate nel manuale di manutenzione del fabbricante del motore.
- 6** Controllare la regolazione punterie dopo circa 800 km dall'intervento.

L'inosservanza di quanto sopra riportato, unitamente alle istruzioni prescritte dal costruttore motore, comportano l'annullamento della garanzia sul prodotto.

## INSTRUCTIONS FOR A CORRECT ASSEMBLY

Freccia International srl **recommends a correct assembly** of all its components in conformity with the instructions of the manufacturing Companies.

Freccia International srl **prescribes to replace all the components interacting with the valves with newly-made ones**, that is new guides, new hydraulic lifters - when provided -, new shims, new valve cotters, new springs, new valve seats and new valve seals. If the replacement of the above-mentioned components with new ones is not carried out, an earlier wear-out or a sudden breaking of the valve itself may occur.

The replacement of the oil seal fitted on the valve-guide is required in order to avoid too much flowing of the oil.

In addition, in order to avoid defects in the alignment of the axes of the components, it is necessary to replace the correct size, position and shape tolerances, as suggested by the Original Manufacturing Companies.

### Warning:

- 1** While assembling the components, lubricate the guide bore and the valve seat.
- 2** Avoid to striking with a hammer -even a rubber one- the terminal part of the stem, already under tension of the springs, with the wrong idea of putting both valves and the matched components in the right position.
- 3 WITH REFERENCE TO ENGINES EQUIPPED WITH HYDRAULIC LIFTERS**, once the engine has been completely assembled, it is necessary to make the engine run shortly - even by hand - and then wait at least 30 minutes before starting it again. This caution is necessary in order to let to the hydraulic lifters work properly in a progressive way, and without shocks.
- 4** Replace the previous engine oil and its filter
- 5 WITH REFERENCE TO ENGINES EQUIPPED WITH MECHANICAL LIFTERS**, after assembling the components, restore the clearance lifters/shims to the value suggested by the Original Manufacturer Companies and repeat this operation after running 1.000 Km.
- 6** The valves work subjected to an intensive mechanical strain, a high temperature and chemical attacks. Therefore, when closed they must completely seal the combustion space, otherwise an immediate loss of power and a possible early valve failure may occur.

## FRECCIA CAMSHAFTS

These assembly rules are supplied in order to guarantee a proper assembly and use of FRECCIA camshafts.

### We invite you to strictly follow our instructions:

- 1** Check carefully: the product you buy should be identical to the product to be replaced
- 2** Check carefully: all the parts directly or indirectly in contact with the camshaft should not have excessive wear, otherwise these components should be replaced.
- 3** Replace lifters and rocker arms in order to avoid any functional anomaly of the camshaft.
- 4** Before fitting the new camshaft: check that all oil ways are clean in order to allow a proper lubrication
- 5** Adjust the camshaft end float strictly following the instructions given in the engine manufacturer's workshop manual.
- 6** Check the lifters adjusting after around 800 km

The non-observance of what above, along with the instructions given by the engine manufacturer, will make the product warranty invalid.

## CONDIZIONI GENERALI DI VENDITA GENERAL SALES CONDITIONS

Le seguenti condizioni si intendono integralmente accettate dal Cliente all'atto del conferimento dell'ordine

### CONVENZIONE APPLICATA

La normativa internazionale che si applica per la vendita internazionale è la CONVENZIONE DELLE NAZIONI UNITE SULLA VENDITA INTERNAZIONALE DELLE MERCI (VIENNA 11 APRILE 1980) - Convenzione di diritto uniforme

### CONDIZIONI GENERALI DI GARANZIA

Freccia International srl commercializza valvole per motori prodotte da Scarpa & Colombo, Azienda certificata **ISO 9001:2015**.

Nel caso di riscontro di difetti, il Committente ne deve dare comunicazione per iscritto a Freccia International srl **nel più breve tempo possibile** dettagliando tale reclamo.

I particolari difettosi dovranno in ogni caso essere ritornati a spese del Cliente a Freccia International srl.

Nel caso che il componente, fornito difettoso, **non sia stato ancora utilizzato**, Freccia International srl rimpiazzerà lo stesso con uno conforme e senza addebito.

Per componenti **già assemblati difettosi**, Freccia International srl riconoscerà il solo costo dei propri particolari forniti non conformi.

Per ogni altra contestazione la responsabilità di Freccia International srl **resterà esclusa in caso di utilizzo e/o montaggio dei prodotti non conformemente alle specifiche condizioni** previste dal presente contratto (rif. al Par. "Regole per il corretto montaggio").

Quindi:

**Freccia International srl non potrà essere ritenuta responsabile per qualsiasi altro esborso o danno conseguente l'utilizzo e/o il montaggio erraneo del prodotto o l'utilizzo e/o il montaggio di un prodotto che si riscontra già difettoso prima del montaggio.**

La responsabilità di Freccia International srl resterà esclusa anche per danni derivanti ai prodotti per fatto non imputabile nemmeno indirettamente a Freccia International srl quali imballaggio, trasporto o stoccaggio dei prodotti effettuato a cura del Compratore con mezzi inadeguati.

Inoltre Freccia International srl non potrà essere ritenuta responsabile per perdite o danni subiti dal Compratore conseguentemente (ma non limitatamente a) cancellazioni di ordini da parte dei suoi Clienti, penali per ritardate consegne ai Clienti, nonché per qualsivoglia altro danno o penalità o rimborso inerente i rapporti del Compratore con i propri Clienti.

Per qualsiasi controversia è competente unicamente il Foro di Milano

The following terms and conditions are intended as accepted in full by the Customer to the order

### AGREEMENT APPLIED

The International convention applied on international sales is the UNITED NATIONS AGREEMENT FOR THE INTERNATIONAL SALES OF GOODS -VIENNA APRIL 11<sup>TH</sup>. 1980 - that represents a uniform law agreement

### GENERAL WARRANTY CONDITIONS

Freccia International srl sells engine valves manufactured by Scarpa & Colombo, a Company Certified **ISO 9001:2015**.

In case of any defect, the Purchaser must notify Freccia International srl of it **as soon as possible** in a detailed written claim.

The Purchaser must return the defective items, freight paid, to the Freccia International srl factory address.

In case of defective component we supplied and **which has not been assembled into the engine** yet, Freccia International srl will replace it with a new suitable one, free of charge.

In case of defective components we supplied and which have been assembled into the engine, Freccia International srl will refund only the cost of its own defective components.

As regards any other claim, the liability of Freccia International srl **will be excluded in case of the goods have already been used, and/or assembled without following the instructions** stated in the present agreement. - See paragraph: Instructions for a correct assembly.

Therefore:

**Freccia International srl cannot be held liable for any expenditure or any other damage resulting from the wrong usage or assembly of the item or from the usage and/or assembly of an item that results already defective before the assembly.**

The liability of Freccia International srl must also be excluded in case of damages to its products, indirectly attributed to Freccia International srl, such as packaging, transport, stocking of the products if caused by the Purchaser with unfit means of transport.

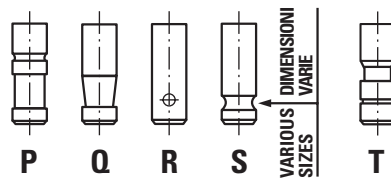
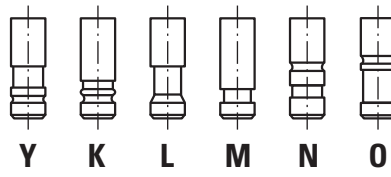
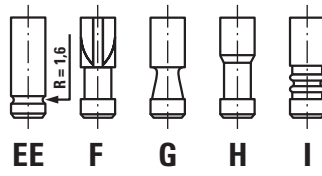
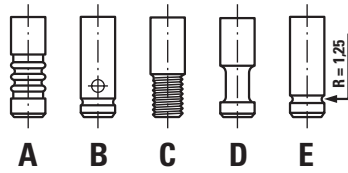
In addition, Freccia International srl will not be held liable for any expenditure or any other damages resulting either from cancellations of orders from its Customers, or from penalties for delayed delivery to its Customers, or from any other damage or penalty or refund concerning the relationship between the Purchaser and his own Customers.

Only the Court of Milan is competent to deal with any controversy.

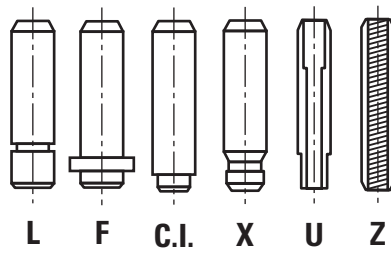


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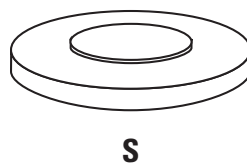
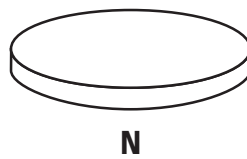
## Shapes of valves



## Shapes of guides



## Shapes of valve shims



***freccia***

**ALBERI A CAMME**

**CAMSHAFTS**

**ARBRES À CAMMES**


**NOCKENWELLEN**

**ÁRBOLES DE LEVAS**


**РАСПРЕДВАЛ (РАСПРЕДЕЛИТЕЛЬНЫЙ ВАЛ)**



## ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
<b>ALFA ROMEO</b>							
2011	4	MiTo 1.4 <b>Eng. 350A1.000</b> 1368 cc.	72	55195803	<b>CM05-2320</b>	390	
<b>ALFA ROMEO DIESEL</b>							
2008	4	MiTo 1.3 MJTD <b>Eng. 199A3.000</b> Euro 5 1248 cc.	69.6	55206898 55206897	<b>CM05-2229</b> <b>CM05-2232</b>	336.8 360	IN EX
2015	4	Giulietta 1.6 JTDM 16V <b>Eng. 940A3.000</b> <b>Eng. 940C5.000</b> 1598 cc.	79.5	55206425 73501374	<b>CM05-2283</b> <b>CM05-2281</b>	393 410	IN EX
	4	145-146-147 1.9JTD 156 1.9 JTD <b>Eng. AR3202</b> <b>Eng. AR37101</b> <b>Eng. 192B9.000</b> 1910 cc.	82	60813911 60816381	<b>CM05-2115</b>	428	
2000	5	156 2.4 JTD <b>Eng. 839A6.000</b> 2387 cc.	82	46473173	<b>CM05-2205</b>	516.37	
2002 2003 2004 2005	4	Alfa147 1.9 JTDM 16V Alfa 155 1.9 JTDM 16V <b>Eng. 192A5000</b> <b>Eng. 937A4000</b> GT 1.9 JTDM 16V Alfa 147 1.9 JTDM 16V <b>Eng. 937A5000</b> 159 1.9 JTDM 16V <b>Eng. 939A2000</b> 1910 cc.	82	46802052 73501374	<b>CM05-2282</b> <b>CM05-2281</b>	393 410	IN EX
2013	4	Giulietta 2.0 JTDM 16V <b>Eng. 940B4.000</b> 1956 cc.	83	55206425 73501374	<b>CM05-2283</b> <b>CM05-2281</b>	393 410	IN EX
<b>AUDI</b>							
2010	3	A3 1.2 TFSI <b>Eng. CBZB</b> 1197 cc.	71	03F 109 101D	<b>CM05-2331</b>	370	
2010 2070	4	A1 1.4 TFSI A3 1.4 TFSI <b>Eng. CAXA-CNVA-CAXC</b> 1390 cc.	76.5	03C 109 101DC 03C 109 101DD	<b>CM05-2274</b> <b>CM05-2276</b>	401.2 392.8	IN EX

**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2003	4	A3 1.6 FSI <b>Eng. BLF</b> 1598 cc.	76.5	03C 109 101AT 03C 109 101AF	<b>CM05-2293</b> <b>CM05-2294</b>	410 410	IN EX
2006	4	A3 1.8 TFSI <b>Eng. BZB-BYT</b> 1798 cc.	82.5	06H 109 021J 06H 109 022BA	<b>CM05-2277</b> <b>CM05-2278</b>	395 470	IN EX


**AUDI DIESEL**

1997	V6	A4 2.5 V6 TDI 24V	78.3	059 109 021BQ	<b>CM05-2120</b>	405	IN CYL 4-5-6
	V6	A6 2.5 V6 TDI 24V		059 109 021BP	<b>CM05-2121</b>	405	IN CYL 1-2-3
		<b>Eng. AFB-AKN-AKE</b>		059 109 022BC	<b>CM05-2122</b>	321	EX CYL 1-2-3
1997/02	V6	A8 2.5 V6 TDI 24V		059 109 022BD	<b>CM05-2123</b>	321	EX CYL 4-5-6
		<b>Eng. AFB-AKN-AKE</b>					
2000	V6	Allroad 2.5 V6 TDI 24V					
		<b>Eng. AKE</b> 2496 cc.					
2002	V6	A6 2.5 V6 TDI 24V	78.3	059 109 021BA	<b>CM05-2189</b>	403	IN CYL 1-2-3
2002	V6	A6 2.5 V6 TDI 24V		059 109 021CK 059 109 021CR			
		<b>Eng. BAU-BDH</b>		059 109 021AS 059 109 021CL 059 109 021CS	<b>CM05-2190</b>	403	IN CYL 4-5-6
		<b>Eng. BDG-BCZ</b> 2496 cc.		059 109 022AF 059 109 022BQ 059 109 009BH	<b>CM05-2187</b>	323	EX CYL 1-2-3
				059 109 022AG 059 109 022BR 059 109 009BJ	<b>CM05-2188</b>	323	EX CYL 4-5-6
1999	4	A2 1.4 TDI	79.5	045 109 101C	<b>CM05-2124</b>	336	
		<b>Eng. AMF</b> 1422 cc.					
2011	4	A1 1.6 TDI	79.5	03L109021 03L109022	<b>CM05-2195</b> <b>CM05-2196</b>	390 450	IN EX
2000	4	A3 - A4 - A6 1.9 TD	81	038 109 101R	<b>CM05-2126</b>	426	
		<b>Eng. ASM-ANV-ASZ-ATD</b>					
		<b>Eng. BXE</b> 1896 cc.					
2004	4	A4 2.0 TDI	81	038 109 101AH	<b>CM05-2127</b>	426	
		<b>Eng. BPW-BRC</b> 1968 cc.					
2003/12	4	A3 2.0 TDI	81	03G 109 101A 03G 109 102B	<b>CM05-2179</b> <b>CM05-2180</b>	426.5 426	IN EX
		<b>Eng. AZV-CBAA-BKD</b> 1968 cc.					
2004	4	A4-A6 2.0 TDI	81	03G 109 101A 03G 109 102C	<b>CM05-2179</b> <b>CM05-2177</b>	426.5 426	IN EX
		<b>Eng. BLB-BNA-BRE-BRF</b>					
		<b>Eng. BVF-BVG</b> 1968 cc.					

**ALBERI A CAMME  
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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2006	4	A3 2.0 TDI <b>Eng. BMN</b> 1968 cc.	81	03G 109 101A	<b>CM05-2179</b>	426.5	IN
				03G 109 102F	<b>CM05-2181</b>	425.7	EX
2006	4	A3 2.0 TDI <b>Eng. CAGA</b> 1968 cc.	81	03L109021	<b>CM05-2195</b>	390	IN
				03L109022	<b>CM05-2196</b>	450	EX
<b>BMW</b>							
1990	6	325 I <b>Eng. M50B25</b> 2494 cc.	84	11311718885	<b>CM05-2291</b>	610	IN
				11311718886	<b>CM05-2292</b>	610	EX
<b>BMW DIESEL</b>							
2007	4	116d-118d-120d <b>Eng. N47D20A/C</b> 1995 cc.	84	11318575435	<b>CM05-2316</b> <b>CM05-2317</b>	412 406.5	IN EX
				11318609118			
				11318575436			
				11318609119			
2008	4	116d-118d-120d <b>Eng. N47D20C</b>	84	11318506076	<b>CM05-2322</b>	420	IN
				11318575437	<b>CM05-2323</b>	410	EX
2013	218d <b>Eng. B47C20A</b> 1995 cc.	11318506077					
2013	4	11318575438					
1999	6	330d - 5330d <b>Eng. M57D30</b> 2926-2993 CC.	84	11317791579 11317791580	<b>CM05-2310</b> <b>CM05-2311</b>	580 580	IN EX
2008 2013 2013	4	325 D 330D 430D <b>Eng. N57D30A-N57D30B</b> N57D30C 2993 cc.	84	1131780045	<b>CM05-2354</b> <b>CM05-2355</b>	590 585.2	IN EX
				11318509120			
				11318575439			
				1131780046			
		11318509121					
		11318575440					
<b>CITROËN</b>							
2006	4	C2 - C3 1.4 16V <b>Eng. KFU</b> 1360 cc.	75	0801.AJ	<b>CM05-2284</b>	415	IN
				0801.AK	<b>CM05-2285</b>	380	EX
2009/4	4	C3 1.4 VTI <b>Eng. 5FP(EP6)-5FS(EP6C)</b> <b>5FW(EP6)</b> 1598 cc.	77	0801.FF 0801.FG	<b>CM05-2358</b> <b>CM05-2359</b>	384.7 384.7	IN EX
2000 2002 2003 2003 2004	4	Xsara 1.6 16V Berlingo 1.6 16V C2 1.6 16V C3 1.6 16V C4 1.6 16V <b>Eng. N6A-NFR-NFU</b> <b>Eng. TU5JPA-TU5JP4B</b> 1587 cc.	78.5	0801.Z0	<b>CM05-2335</b>	390	IN
				0801.Z1	<b>CM05-2336</b>	390	EX

**ALBERI A CAMME  
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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
<b>CITROËN DIESEL</b>							
2014	4	Berlingo 1.6 BlueHDI <b>Eng. BHY</b> 1560 cc.	73.5	0801.FC	<b>CM05-2256</b>	410.2	
2005 2003 2002 2003 2008	4	C1 1.4 HDI C2 1.4 HDI C3 1.4 HDI Xsara 1.4 HDI Nemo 1.4 HDI <b>Eng. 8HX-8HZ(DV4TD)</b> 1398 cc.	73.7	0801.CY	<b>CM05-2144</b>	411	
2005	4	C3 1.6 HDI 16V <b>Eng. 9HX-9HZ</b> <b>DV6TED4</b> 1560 cc.	75	0801.Z9 3M5QA270AC 1313804	<b>CM05-2146</b>	402	IN
2004	4	C4 1.6 HDI 16V <b>Eng. 9HX-9HY-9HZ</b> <b>DV6TED4</b>		0801.AH 1313805 3M5Q6A273AC	<b>CM05-2145</b>	390	EX
2005		Berlingo 1.6 HDI 16V <b>Eng. 9HX-9HY-9HZ</b> <b>DV6TED4</b> 1560 cc.					
2004	4	C5 1.6 HDI 16V <b>Eng.9HZ-9HY(DV6TED4)</b> 1560 cc.					
2004	4	Xsara Picasso 1.6 HDI 16V <b>Eng.9HZ-9HY(DV6TED4)</b> 1560 cc.					
1993	4	ZX Break 1.7 Berlingo <b>Eng. XUD7</b> 1769 cc.	80 83	0801.E8 96031042 9603104288	<b>CM05-2141</b>	492	
1993 1994 1996 1993 1994	4	ZX Break 1.9 Xantia 1.9 Berlingo 1.9 Xantia S/SX Jumpy 1.9D <b>Eng. XUD9A</b> 1905 cc.					
1999	4	Jumper 1.9 D <b>Eng. XUD9A</b> 1905 cc.	83	0801.C2 93501573 93510179 0801.55	<b>CM05-2221</b>	504	



**ALBERI A CAMME  
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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2001 2002	4	C5 2.2 HDI 16V C8 2.2 HDI 16V <b>Eng. 4HX-4HW</b> <b>Eng. DW12TEDA4 FAP</b> 2179 cc.	85	0801.V9 0801.W0	<b>CM05-2103</b> <b>CM05-2102</b>	402 456	IN EX
1998  1999  1999 1999  1999  2001	4  4     4	Xantia - Xsara 2.0 TD <b>Eng. DW 10</b> 1997 cc.  Evasion 2.0 HDI <b>Eng. RHZ (DW10ATED)</b>  Xantia 2.0 HDI Xsara Picasso 2.0 HDI <b>Eng. RHY-RHZ</b> <b>Eng. DWTD/ATED</b>  Jumpy 2.0 HDI <b>Eng. RHY-RHX-RHZ</b> <b>Eng. DW10TD/ATED/BTED</b>  C5 2.0 HDI <b>Eng. RHZ (DW10ATED)</b> 1997 cc.	85  85	0801.T5	<b>CM05-2142</b>	450	
2004	4	C4 2.0 HDI 16V C5 2.0 HDI 16V <b>Eng. RHR(DW10BTED4)</b> 1997 cc.	85	0801.T5	<b>CM05-2142</b>	450	
2007 1999 2007 2007	4	C8 2.0 Hdi Evasion 2.0 HDi Jumpy 2.0 Hdi <b>Eng. RHK (DW10UTED4)</b> <b>Eng. RHW(DW10ATED4)</b> <b>Eng. RHM(DW10ATED4)</b> <b>Eng. RHT(DW10ATED4)</b> 1997 cc.	85	0801.AC 0801.AE	<b>CM05-2176</b> <b>CM05-2175</b>	430 457	IN EX
2006	4	C5 II 2.2 HDI <b>Eng. DW12MTED4</b> <b>DW12BTED4</b> 2179 cc.	85	0801.EW 0801.FY 0801.CZ 0801.EX 0801.FZ 0801.E0	<b>CM05-2270</b>  <b>CM05-2271</b>	410  435	IN  EX
1994	4	Jumper 2.5D 12V <b>Eng. T9A-DJ5</b> 2446 cc.	92	0801.I2	<b>CM05-2143</b>	553	
1996	4	Jumper 2.5D 12V <b>Eng. DJ5T</b> 2446 cc.	92	0801.K9	<b>CM05-2223</b>	551.5	

**ALBERI A CAMME  
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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
<b>DACIA</b>							
2004	4	Logan 1.6 i Sandero 1.6 i <b>Eng. K7M-710</b> 1598 cc.	79.5	7700272940	<b>CM05-2182</b>	404.35	
2010	4	Duster 1.6 16V Logoan 1.6 16V <b>Eng. K4M690</b> 1598 cc.	79.5	8200100527 7700110675 7700113894 8200100528 7700110676 7700113895	<b>CM05-2183</b>   <b>CM05-2184</b>	438  441	IN  EX
<b>DAF</b>							
1999	4	SB 120 <b>Eng. ISBe-135-150</b> 3920 cc.	102	4896419 504345136	<b>CM05-2268</b>	530	
2001	6	SB-SB 200 <b>Eng. ISBe -220</b> 5883 cc.	102	4896421 504345138	<b>CM05-2269</b>	770	
<b>FIAT</b>							
2000	4	Brava 1.2 16V <b>Eng. 188A5.000</b> 1242 cc.	70.8	46522371 46802420	<b>CM05-2295</b> <b>CM05-2296</b>	345 380	IN EX
2009	4	Punto Evo 1.4 <b>Eng. 350A1.000</b> 1368 cc.	72	55195803	<b>CM05-2320</b>	390	
1989	4	Uno 70 ie <b>Eng. 146C1.000</b> 1372 cc.	80.5	7552612	<b>CM05-2113</b>	447	
2001	4	Doblo 1.6 Natural Power <b>Eng. 182B6.000</b> 1596 cc.	80.5	46774707 46774708	<b>CM05-2266</b> <b>CM05-2267</b>		IN EX
1995/96	4	Brava 1.4 ie S - SX - 12V Bravo 1.4 ie S - SX - 12V <b>Eng. 182A3.000</b> <b>Eng. 182A5.000</b> 1370 cc.	82	7724588	<b>CM05-2111</b>	404	Motori con punteria idraulica Engine with hydraulic lifter
2002	4	Ducato 2.0 <b>Eng. RFL</b> 1998 cc.	86	9637805488	<b>CM05-2167</b>	473	


## ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Length mm.	NOTE remarks
1995	4	Brava 1.6 ie 16V	86.4	46530226	<b>CM05-2164</b> <b>CM05-2163</b>	434	EX IN
1995		Bravo 1.6 ie 16V		46530234			
1996		Marea 1.6 ie 16V		46530233			
		Marea 1.6 ie 16V BP		46530228			
1996		Palio 1.6 ie 16V		46466370			
		<b>Eng. 182A4.000</b> <b>Eng. 182A6.000</b> 1581 cc.		46530230 46530232			

## FIAT DIESEL

2003	4	Punto 1.3 MJT 16V Panda 1.3 MJT 16V Idea 1.3 MJT 16V	69.6	46823508 46823507	<b>CM05-2110</b> <b>CM05-2109</b>	340 355	IN EX
2007		500 1.3 MJT 16V	Euro 5	55206898 55206897	<b>CM05-2229</b> <b>CM05-2232</b>	336.8 360	IN EX
2009		Qubo 1.3 MJT 16V					
2006	4	Grande Punto 1.3 MJT 16V <b>Eng. 199A2.000</b> <b>Eng. 199A3.000</b> 1248 cc.					
	4	Idea 1.6 MJTD 16V Grande Punto 1.6 MJTD 16V Bravo 1.6 MJT D16V 500I 1.6 MJTD 16V <b>Eng. 3502A2000</b> <b>Eng. 955A3000</b> <b>Eng. 198A2000</b> Euro 5 1598 cc.	79.5	55206425 73501374	<b>CM05-2283</b> <b>CM05-2281</b>	393 410	IN EX
2016	4	Fiat Talento 1.6 DCI <b>Eng. R9M</b> 1598 cc.	80	6000616571 6000616572	<b>CM05-2351</b> <b>CM05-2350</b>	445 437.4	IN EX
1999	4	Strada 1.9 JTD <b>Eng. 223A6.000</b> 1910 cc.	82	46523711	<b>CM05-2114</b>	428	
2001	4	Doblò 1.9JTD <b>Eng. 182B.9000</b> 1910 cc.	82	46772393	<b>CM05-2108</b>	428	
2000	4	Bravo-Marea 1.9JTD <b>Eng. 182B4.000</b> <b>Eng. 182B9.000</b> 1910 cc.	82	46455736	<b>CM05-2115</b>	428	
07/2006	4	Stilo 1.9 MJT 16V <b>Eng. 937A5.000</b> Croma 1.9 MJT 16V <b>Eng. 939A1.000</b> 1910 cc.	82	46802052 73501374	<b>CM05-2282</b> <b>CM05-2281</b>	393 410	IN EX


**ALBERI A CAMME  
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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
1992	4	Uno 1.7D Fiorino 1.7D <b>Eng. 146B2.000</b> 1697 cc.	82.6	46444230	<b>CM05-2104</b>	437	Up to Engine 2264028 Attacco depressore mm. 9 Camshaft driven vacuum mm 9
1992	4	Uno 1.7D Fiorino 1.7D <b>Eng. 146B2.000</b> 1697 cc.	82.6	46552984	<b>CM05-2117</b>	437	From Eng. 2264029 Attacco depressore mm. 8 Camshaft driven vacuum mm 8
1987/94	4	Ducato 1.9D <b>Eng. 149B1.000</b> 1929 cc.	82.6	5950297 46444230	<b>CM05-2106</b>	437	Attacco depressore mm 9 Camshaft driven vacuum mm 9
1990/97 1990/96 1990/97		Tempra 1.9 TD Tipo 1.9 TD Marengo 1.9 TD <b>Eng. 160A6.000/A6.046</b> <b>Eng. 160D1.000</b> 1929 cc.	82.6	46444253 46552982T9	<b>CM05-2101</b>	437	Up to engine N. 2264028 Attacco depressore mm 9 Camshaft driven vacuum mm 9
1995	4	Bravo-Brava 1.9D  Tipo 1.9D <b>Eng. 160A7.000</b>  1929 cc.	82.6	46552982	<b>CM05-2116</b>	437	From Eng. 2264029 up to Eng. 2264028 Attacco depressore mm 8.20 Camshaft driven vacuum mm 8.20
2000	4	Ulysse 2.0 <b>Eng. RHW</b> 1997 cc.	85	9627040588 9627037188	<b>CM05-2103</b> <b>CM05-2102</b>	402 456	IN EX
2001	4	Ulysse 2.2 JTD <b>Eng. 4HW</b> 2179 cc.					
1999 1999 1999	4	Ulysse 2.0 JTD Ducato 2.0 JTD Scudo 2.0 JTD <b>Eng. RHZ-RHX-RHV</b> 1998 cc.	85	9624835288	<b>CM05-2142</b>	450	
2007	4	Scudo 2.0 JTD 16V 1997 cc.	85	9644216280 9645973580	<b>CM05-2176</b> <b>CM05-2175</b>	430 457	IN EX
1984	4	Ducato TD Argenta TD <b>Eng. 8144.61</b> <b>Eng. 8144.81</b> 2445 cc.	93	7301255	<b>CM05-2105</b>	504	

**FORD DIESEL**

2009	4	KA 1.3 TDCI <b>Eng. FD4</b> 1242 cc.	69.6	46823508 46823507	<b>CM05-2110</b> <b>CM05-2109</b>	340 355	IN EX

**ALBERI A CAMME  
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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2012 2014 2014	4	Fiesta VI TDCI Tourneo Kombi TDCI Transit Kombi TDCI <b>Eng. UGJC-XUJA-XUJB</b> <b>HUCC-XUCD-UGCA-UGCB</b> <b>XUCD-UGCB-XUCC-UGCA</b> 1499 cc.	73.5	AV6Q6250BA	<b>CM05-2256</b>	410.2	
2014	4	Focus III Econetic TDCI <b>Eng. XXDB-XWDD-XWDA</b> <b>XWDB-XWDC-XWDD-XXDA</b> <b>XXDC</b> 1499 cc.	73.5	AV6Q6250BA	<b>CM05-2256</b>	410.2	
2001 2002 2004	4	Fiesta 1.4TDCi Fusion 1.4 TDCi Fiesta Van 1.4 TDCi <b>Eng. F6JA/F6JB</b> 1399 cc.	73.7	2S6Q6250AD	<b>CM05-2144</b>	411	
1995	4	Galaxy 1.9 Tdi <b>Eng. ANU-AUY-ASZ</b> 1896 cc.	79.5	038 109 101R	<b>CM05-2126</b>	426	
1990	4	Escort 1.8D - 1.8TD <b>Eng. RFA-RFB-RFD</b> <b>Eng. RFK-RFL-RFM</b> <b>Eng. RFN-RFS-RTA</b> <b>Eng. RTB-RTC</b> 1753 cc.	82.5	6173095	<b>CM05-2152</b>	485	
2005	4	C-Max 1.8 TDCI Transit Connect 1.8 TDCI <b>Eng. F9DA</b> 1753 cc.	82.5	1078426	<b>CM05-2197</b>	484	
2000	4	Mondeo III 2.2 TDCI <b>Eng. QJBA</b> 2198 cc.	85	1349550 4C1Q6A270BB 1349548 4C1Q6A273BB	<b>CM05-2289</b> <b>CM05-2290</b>	510 485	IN EX
2000	4	Mondeo III 2.0 TDDi 16V <b>Eng. HJBA-HJBB-HJBC</b> 1998 cc.	86	1349550 4C1Q6A270BB 1349548 4C1Q6A273BB	<b>CM05-2289</b> <b>CM05-2290</b>	510 485	IN EX
2004	4	Transit 2.4Tddi 16V <b>Eng. F4FA-D2FA-D2FE</b> 2402cc.	89.9	1349549 1349547	<b>CM05-2169</b> <b>CM05-2170</b>	465 465	IN EX
2006	4	Transit 2.4 TDCi 16V <b>Eng. H9FD-JXFA-JXFC</b> <b>Eng. PHFA</b> 2402 cc.	89.9	1704531 1372743 1372744	<b>CM05-2171</b> <b>CM05-2172</b>	465 460	IN EX
2012	4	Transit 2.2 TDCI <b>Eng. DRF4-DRFF</b> 2198 cc.	89.9	1372430 1688422 17317063	<b>CM05-2258</b> <b>CM05-2257</b> <b>CM05-2330</b>	495 479 467	IN EX EX

## ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
1994	4	Transit 2.5 DI <b>Eng. 4BA-DA-FA-FC-FD</b> <b>Eng. 4HC</b> 2496 cc.	93.67	65183065 924F6250AA 6518306	<b>CM05-2233</b>	520	

## HYUNDAI

2001/04 2000/04 2003/04 2001/04	4	Coupè 1.6 i 16V Elantra 1.6 i 16V Getz 1.6 i 16V Matrix 1.6 i 16V <b>Eng. G4ED</b> 1599 cc.	76.5	24100-26750 24100-26601 24200-26704 24200-26004	<b>CM05-2343</b>  <b>CM05-2342</b>	417 440.5	IN EX
2010 2011 2011 2011	4	ix 35 1.6 16V i 40 1.6 16V i 30 1.6 16V Velster 1.6 16V <b>Eng. G4FD</b> 1591 cc.	77	24100-2B110 24200-2B010	<b>CM05-2344</b> <b>CM05-2345</b>	407.5 377.5	IN EX


## HYUNDAI DIESEL

2005	4	Accent III 1.5 CRDI Getz 1.5 CRDI <b>Eng. D4EA</b> 1493 cc.	75	24100-2A101 24200-2A101	<b>CM05-2302</b> <b>CM05-2303</b>	415 425	IN EX
2015	4	i40 1.7 CRDI <b>Eng. D4FD</b> 1685 cc.	77.2	24100-2A101 24200-2A101	<b>CM05-2302</b> <b>CM05-2303</b>	415 425	IN EX
2003	3	Getz 1.5 CRDI <b>Eng. D3EA</b> 1493 cc.	83	24100-27500	<b>CM05-2301</b>		
2001 2006	4	Santa FE' 2.0 CRDI Santa FE' 2.2CRDI <b>Eng. D4EA-D4EB</b> 1991 cc- 2188 cc.	83 87	24100-27042 24100-27401 24100-27400	<b>CM05-2191</b>	453.5	
2006	4	H1-H350 2.5 CRDI <b>Eng. D4CB</b> 2497 cc.	91	24200-4A000 24200-4A200 24100-4A000 24100-4A100	<b>CM05-2299</b> <b>CM05-2300</b>	515 520	IN EX
1991	4	Galloper 2.5 TD <b>Eng. D4BH</b> 2476 cc.	91.1	MD137163	<b>CM05-2119</b>	461	
1993  1991	4  4	Porter 2.5 D <b>Eng. D4BA-D4BX</b> 2476 cc. H1 2.5 D - TD <b>Eng. D4BB - D4BF</b> 2476 cc.	91.1  91.1	MD050140	<b>CM05-2118</b>	461	

**ALBERI A CAMME  
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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
<b>IVECO</b>							
2005	4	Daily 2.3 Unijet 16V <b>Eng. F1AE481B</b> 2287 cc.	88	504096185 504006993 504096183 504006995	<b>CM05-2199</b> <b>CM05-2200</b>	509.5 467	IN EX
	4	Daily <b>Eng. 8140.27</b> <b>Eng. 8140.43</b> 2798 cc. <b>Eng. 8144.97</b> 2499cc.	93	98427674	<b>CM05-2147</b>	504	
1996	4	Daily 2.8 TD <b>Eng. 8140.43S</b> 2798 cc.	93	0801.T9 98427672	<b>CM05-2192</b>	504	
2005	4	Daily 3.0 Unijet 16V <b>Eng. F1CE0481A</b> 2998 cc.		504246094 504080894 504080895 504246093	<b>CM05-2272</b> <b>CM05-2273</b>	510 510	IN EX
2004	4	EuroCargo <b>Eng. F4AE0481A</b> 3922 cc.	102	4896419 504345136	<b>CM05-2268</b>	530	
2000	6	EuroCargo <b>Eng. F4AE681E</b> 5883 cc.	102	4896421 504345138	<b>CM05-2269</b>	770	
<b>KIA DIESEL</b>							
2005	4	Cerato 1.5 CRDI Rio III 1.5 CRDI <b>Eng. D4EA</b> 1493 cc.	75	24100-2A101 24200-2A101	<b>CM05-2302</b> <b>CM05-2303</b>	415 425	IN EX
2013	4	Karens 1.7 CRDI <b>Eng. D4FD</b> 1685 cc.	77.2	24100-2A101 24200-2A101	<b>CM05-2302</b> <b>CM05-2303</b>	415 425	IN EX
2002	4	Sorento 2.5 CRDI <b>Eng. D4CB</b> 2497 cc.	91	24200-4A000 24200-4A200 24100-4A000 24100-4A100	<b>CM05-2299</b> <b>CM05-2300</b>	515 520	IN EX
<b>MERCEDES BENZ</b>							
1997/04	4	Classe A 140 <b>Eng. M166.940</b> 1397 cc.	80	A1660500701	<b>CM05-2251</b>	420	
2001/04	4	Classe A 140 <b>Eng. M166.960.961</b> 1598 cc.	80	A1660500601	<b>CM05-2250</b>	420	

**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2002	4	C180 Kompressor C200 Kompressor C160 Kompressor <b>Eng. M271.910/911/940</b> 1597 cc.	82	A2710511801 A2710512101	<b>CM05-2252</b> <b>CM05-2253</b>	410 410	IN EX
2007	4	C200 CGI E200 CGI <b>Eng. M271.860</b> 1796 cc.	82	2710501401 2710501601	<b>CM05-2312</b> <b>CM05-2313</b>	409.5 409.5	IN EX
1995	4	C 180 1.8i 16V <b>Eng. 111.920</b> 1788 cc.	85.3	1110501801 1110501901 00A109102	<b>CM05-2162</b> <b>CM05-2131</b>	428.5 428.5	IN EX
1996	4	200 E-CE 2.0 i 16V <b>Eng. M111.940</b>	89.9				
1997 1996		C 200 2.0 i 16V CLK 200 2.0 i 16V <b>Eng. M111.941/945</b>					
1996 1995		C200 2.0 i 16V Komp. CLK 200 2.0 i 16V Komp. <b>Eng. M111.944</b>					
1996		E 200 2.0 i 16V <b>Eng. M111.940/942</b>					
1997		SLK 200 2.0 i 16V <b>Eng. M111.946</b>					
1997		SLK 200 2.0 i 16V Komp. <b>Eng. M111.943</b>					
1999		E 200 2.0 i 16V Komp. <b>Eng. M111.947</b> 1998 cc.					
1992/96	4	220 E-CE 2.2 i 16V E220 2.2 i 16V <b>Eng. M111.960</b> 2199 cc.	89.9				
1993/96	4	C220 2.2 i 16V <b>Eng. M111.961</b> 2198 cc.					
1982	4	190 <b>Eng. M102.922</b> 1997 cc.	89	1020505501 1020504801 1020504501	<b>CM05-2130</b>	446	
	4	190 2.3 <b>Eng. M102.982</b> 2298 cc.	95	1020502501			

**MERCEDES BENZ DIESEL**

1998	4	C200 CDI <b>Eng. OM 611</b> 2151cc.	80	A6110500001 A6110500101	<b>CM05-2239</b> <b>CM05-2238</b>	425 430	IN EX
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## ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2014	4	C 180 1.6Cdi BlueTec 16V C 200 BlueTec 16V <b>Eng. 0M626.951</b> 1598 cc.	80	626 050 0000 626 050 0100	<b>CM05-2351</b> <b>CM05-2352</b>	445 395	IN EX

## MINI

2006	4	Cooper S 1.6 16V <b>Eng. N14B16A-B-C-CD</b> <b>N18B16A</b> 1598 cc.	77	11317587756 11317565422	<b>CM05-2352</b> <b>CM05-2353</b>	395 384.8	IN EX
2006 2010 2012	4	Cooper Clubman Paceman <b>Eng. N12B16A-N16B16A</b> 1598 cc.	77	0801.FF 0801.FG	<b>CM05-2358</b> <b>CM05-2359</b>	384.7 384.7	IN EX

## MITSUBISHI DIESEL

1986  1988/91 1988/91		L300 2.5 <b>Eng. 4D56</b> L200 2.5 TD L300 2.5 TD <b>Eng. 4D56T</b> 2477 cc.	91.1	MD137163 MD302333	<b>CM05-2119</b>	461	
1991	4	L200 2.5 TD L300 2.5 TD <b>Eng. 4D56T-4D56TD</b> 2477 cc.	91.1	MD050140	<b>CM05-2118</b>	461	
1996	4	Pajero II 2.8 TD <b>Eng. 4M40-T</b> 2835 cc.	95	ME200691	<b>CM05-2201</b>	474.7	


## NISSAN DIESEL

2003 2002 2006 2006 2007	4	Micra 1.5 Dci Tekna Almera 1.5 Dci Note 1.5 Dci Qashqai 1.5 Dci Tiida 1.5 Dci <b>Eng. K9K</b> 1461 cc.	76	8200089894 8200718120  8200978873	<b>CM05-2151</b> <b>CM05-2148*</b>  <b>CM05-2185*</b>	453 452 451.10	<b>CM05-2148*</b> Con sensore di fase With phase sensor <b>CM05-2185*</b> Con 4 sensori di fase With 4 phase sensors
2016	4	Nissan NV 300 <b>Eng. R9M413-452</b> 1598 cc.	80	13001-00Q0W 13001-00Q0V	<b>CM05-2351</b> <b>CM05-2350</b>	445 437.4	IN EX


## OPEL

1993	4	Corsa B <b>Eng. X12SZ</b> 1195 cc.	72	626203	<b>CM05-2202</b>	436.7	
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**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
1994	4	Combo 1.2 <b>Eng. 12NZ-C12NZ</b> 1195 cc.	72	636202 90444758	<b>CM05-2230</b>	436.5	
1997 2000	4 4	Corsa 1.2 i 12V Agila 1.2 i 12V <b>Eng. X12XE-Z12XE-Z12XEP</b> 1199 cc	72.5	636222	<b>CM05-2136</b> <b>CM05-2137</b>	343 343	IN EX
2000	4	Agila 1.2 16V <b>Eng. X12XEP</b> 1229 cc. Astra 1.4 16V <b>Eng. Z14XEP</b> 1364 cc.	73.4	636023 9120517 636058	<b>CM05-2237</b> <b>CM05-2137</b>	433 343	IN EX
2012	4	Adam 1.2 16V <b>Eng. A12XEL-A12XER-B12XEL</b> B12XER 1229 cc. Adam 1.4 16V <b>Eng. A14-XEL-A14XER</b> A14XFL-B14XEJ 1398 cc.	73.4	636031 636058	<b>CM05-2362</b> <b>CM05-2363</b>	347.3 347.3	IN EX
1979/88 1982/93		Ascona 1.3 Corsa 1.3 <b>Eng. 13S</b> 1297 cc.	75	636000 636002 636053 636052 90167124 90281486 90156986	<b>CM05-2134</b>	433	
1991/98 1989/93 1990/96 1990/91 1990/91 1988/92 1989/91 1990	4	Astra 1.4 Corsa 1.4 Corsa 1.4 i Kadett 1.4 Kadett 1.4 i Vectra 1.4 Combo 1.4 Combo 1.4 i <b>Eng. C14NZ</b> 1389 cc.	77.6	636010 606014 90444760 90392539	<b>CM05-2135</b>	432	
1992	4	Astra 1.4 Si <b>Eng. C14SE</b> 1389 cc.	77.6	636001	<b>CM05-2228</b>	436.7	
1996	4	Astra F 1.4 i 16V <b>Eng. C14SEL-X14SE-Z14SE</b> 1389 cc.	77.6	636181 636207	<b>CM05-2242</b> <b>CM05-2243</b>	410 410	IN EX
1993	4	Astra 1.6 i <b>Eng. X16SZ</b> 1598 cc.	79	636197 90443882	<b>CM05-2227</b>	436.5	

**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Length mm.	NOTE remarks
1996	4	Astra 2 1.6 16V <b>Eng. C16SEL-C16XE-X16XE</b> <b>Eng. X16XEL-Y16XE</b> 1598 cc.	79	636181 636207	<b>CM05-2242</b> <b>CM05-2243</b>	410 410	IN EX
2012 2008	4	Astra 1.6 i Insigna 1.6 i <b>Eng. A16XER-B16XER</b> 1598 cc.	79	636113 55568390 6361707 55568389	<b>CM05-2325</b> <b>CM05-2326</b>	431 431	IN EX
2012 2008	4	Astra 1.6 i Insigna 1.6 i <b>Eng. A16XER</b> Up to chassis 91999999 1598 cc.	79	5636117 55561747 5635118	<b>CM05-2327</b> <b>CM05-2328</b>	431 431	IN EX
2003	4	Meriva MPV 1.6 <b>Eng. Z16SE</b> 1598 cc.	79.5	636041 24401409 636001	<b>CM05-2220</b>	436.5	
1992	4	Astra 1.6 i <b>Eng. C16LZ-NZ</b> 1598 cc.	80	636205 90486628	<b>CM05-2224</b>	436.7	
2008	4	Insigna 1.8 i <b>Eng. B18XER-A18XER</b> 1796 cc.	80.5	636113 55568390 636107 55568389	<b>CM05-2325</b> <b>CM05-2326</b>	431 431	IN EX
2008	4	Insigna 1.8 i <b>Eng. A18XER</b> Up to chassis 91999999 1796 cc.	80.5	5636117 55561747 5635118	<b>CM05-2327</b> <b>CM05-2328</b>	431 431	IN EX
1994 1994/98 1996 1999	4	Astra 1.8 i 16V <b>Eng. C18XE-C18XEL</b> Astra 1.8 i 16V Vectra 1.8 i 16V Zafira 1.8 i 16V <b>Eng. X18XE</b> 1799 cc.	81.6	5636011 90512899 5636012 90512904	<b>CM05-2173</b> <b>CM05-2174</b>	414 414	IN EX
1995 1993 1995	4	Astra 2.0 i 16V Omega 2.0 i 16V Vectra 2.0 i 16V <b>Eng. X20XEV</b>	86	5636011 90512899 5636012 90512904	<b>CM05-2173</b> <b>CM05-2174</b>	414 414	IN EX
1996 1995	4	Sintra 2.2 i 16V <b>Eng. X22XE</b> Frontera 2.2 i 16V <b>Eng. X22SE-X22XE-Y22SE</b> 2198 cc.	86	5636011 90512899 5636012 90512904	<b>CM05-2173</b> <b>CM05-2174</b>	414 414	IN EX
2006	4	Antara 2.4 i 16V <b>Eng. Z24XED</b> 2405 cc.	87.5	5636011 90512899 5636012 90512904	<b>CM05-2173</b> <b>CM05-2174</b>	414 414	IN EX


**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2006 2007 2007	4	Primastar dCi 120 Qashqai 2.0 dCi X-Trail 2.0 dCi <b>Eng. M9R-M1D</b> 1995 cc.	84	8200827912 8200827919 8200619361 13020-00Q0B 13020-00Q0A 8200827922 8200456103	<b>CM05-2193</b>  <b>CM05-2321</b>  <b>CM05-2194</b>	458.3  456.5  456.5	IN  IN  EX
1986/97  1997/00	6  6	Patrol Td <b>Eng. RD28T</b>  Patrol 2.8 TD Intercooler <b>Eng. RD28TI</b> 2826 cc.	85	13020 VB100	<b>CM05-2100</b>	649	
2002 2003	4	Interstar 2.5 Dci 16V Primastar 2.5 Dci 16V <b>Eng. G9U.A7</b> 2463 cc.	89	8200019181 8200019183	<b>CM05-2165</b> <b>CM05-2166</b>	506 486.5	IN EX
2003 2003	4	Terrano 3.0 D Interstar 3.0 dci <b>Eng. ZD30</b> 2953 cc.	96	7421049263 13001MA70A 7421049284 13001MA71A	<b>CM05-2314</b> <b>CM05-2315</b>	473.5 473.5	IN EX
2000/2006	4	Nissan Patrol 3.0 DTI <b>Eng. ZD30DDTI</b> 2953 cc.	96	13001-2W201 13001-DB000	<b>CM05-2318</b> <b>CM05-2319</b>	470.5 470.5	IN EX

**OPEL DIESEL**

2003   2005	4	Agila 1.3 16V CDTI Corsa 1.3 16V CDTI Meriva 1.3 16V CDTI Astra 1.3 16V CDTI Tigra 1.3 16V CDTI <b>Eng. Z13CDTI</b> 1248 cc.	69.6	5630059 93177302 93177303 5636060	<b>CM05-2110</b>  <b>CM05-2109</b>	340  355	IN  EX
2000  2003 2001 2000	4	Astra 1.7 DTI 16V Corsa 1.7 DTI 16V Meriva 1.7 DTI 16V Combo 1.7 DTI 16V Combo Van 1.7 DTI 16V <b>Eng. Y17DT/DTL</b> <b>Eng. Z17DTL</b> 1686 cc.	79	636027 636028	<b>CM05-2138</b> <b>CM05-2139</b>	425 390	LATO IN WITH GEAR 55 MM LATO EX WITH GEAR 55 MM
2006 2006 2007	4	Meriva 1.7 CDTI Corsa 1.7 CDTI Astra 1.7 CDTI <b>Eng. A 17 DTR</b> <b>Eng. Z 17 DTR</b> 1686 cc.	79	636173 636174	<b>CM05-2259</b> <b>CM05-2260</b>	430 395	IN EX


**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
1982 1984/99	4	Ascona 1.6 D Kadett 1.6 D Combo 1.6 D <b>Eng. 16DA</b> 1598 cc.	80	636121 90273386 90273368 80284704	<b>CM05-2140</b>	436	
1991 1989/91 1988 1988/92	4	Astra 1.7 D Kadett 1.7 D Vectra 1.7 D Combo 1.7 D <b>Eng. 17D-17DR</b>	82.5				
1998 1990		Astra 1.7 D Vectra 1.7 D <b>Eng. X17DTL</b> 1700 cc					
2014	4	Vivaro 1.6 CDTI <b>Eng. R9M413</b> 1598 cc.	80	4423069 95517882 4423070 95517883	<b>CM05-2351</b> <b>CM05-2352</b>	445 395	IN EX
2004	4	Astra 1.9 CDTI 16V <b>Eng. Z19DTH-DTJ</b> 1910 cc.	82	5636108 55565852 5636107 55565850	<b>CM05-2264</b> <b>CM05-2265</b>	393 410.5	IN EX
2011	4	Insigna 2.0 CDTI <b>Eng. A20DTH-DTC-DTL</b> 1956 cc.	83	5636108 55565852 5636107 55565850	<b>CM05-2264</b> <b>CM05-2265</b>	393 410.5	IN EX
2007	4	Antara 2.0 CDTI <b>Eng. Z20DM-Z20DTM</b> 1991 cc.	83	4805877	<b>CM05-2186</b>	460	
1998	4	Astra 2.0 DI <b>Eng. X20DTL</b> 1995 cc. Astra 2.2 DTI <b>Eng. Y22DTR</b> 2172 cc.	84	9120253 90540458	<b>CM05-2255</b>	445	
2006	4	Vivaro 2.0CDTI <b>Eng.M9R</b> 1995 cc.	84	8200827912 8200827919 8200619361 4435076 93198464 8200827922 8200456103	<b>CM05-2193</b>  <b>CM05-2321</b>  <b>CM05-2194</b>	458.3  465 456.5	IN  IN EX
2001 2003	4	Movano 2.5 DTI 16V <b>Eng. G9U.A7</b> Vivaro 2.5 DTI 16V <b>Eng. G9U.B7</b> 2463 cc.	89	8200019181 8200019183	<b>CM05-2165</b> <b>CM05-2166</b>	506 486.5	IN EX


**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
<b>PEUGEOT</b>							
2005	4	1007 1.4 16V 206 1.4 16V 307 1.4 16V <b>Eng. KFU</b> 1360 cc.	75	0801.AJ 0801.AK	<b>CM05-2284</b> <b>CM05-2285</b>	415 380	IN EX
2013 2014	4	2008 1.6 vti Partener 1.6 vti <b>Eng. 5FH-5FS(EP6C)</b> <b>5FW(EP6)</b> 1598 cc.	77	0801.FF 0801.FG	<b>CM05-2358</b> <b>CM05-2359</b>	384.7 384.7	IN EX
2000 2008 2006 2012 2005 2008	4	206 1.6 16V 207 1.6 16V 307 1.6 16V 308 1.6 16V 1007 1.6 16V Partner Tepee 1.6 16V <b>Eng. N6A-NFR-NFU</b> <b>Eng. TU5JPA-TU5JP4B</b> 1587 cc.	78.5	0801.Z0 0801.Z1	<b>CM05-2335</b> <b>CM05-2336</b>	390 390	IN EX
<b>PEUGEOT DIESEL</b>							
2001 2005 2005 2001 2005 2008	4	307 1.4 HDI 1007 1.4 HDI 107 1.4 HDI 206 1.4 HDI 207 1.4 HDI Bipper Tepee 1.4 HDI <b>Eng. DV4 TD-8HX-8HZ</b> 1398 cc.	73.7	0801.CY	<b>CM05-2144</b>	411	
2004 2004 2004 2005 2005	4	206 1.6 HDI 16V 307 1.6 HDI 16V 407 1.6 HDI 16V 207 1.6 HDI 16V Ranch 1.6 HDI 16V <b>Eng. 9HY-9HZ (DV6TED4)</b> 1560 cc.	75	0801.Z9 3M5QA270AC 0801.AH	<b>CM05-2146</b> <b>CM05-2145</b>	402 390	IN EX
1990	4	205 II 1.8 XDT <b>Eng. XUD7</b> 1769 cc.	80	0801.C9	<b>CM05-2222</b>	504	

**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
1986	4	205 D 309 GLD - GRD - SRD 309 XAD - XLD - XRD <b>Eng. XUD9 - 162</b> 1905 cc. <b>Eng. XUD9 - 162</b>	83	0801.E8 96031042 9603104288	<b>CM05-2141</b>	492	
1988 1991		405 GLD - GRD 309 SRD - GRD J5 <b>Eng. XUD9A</b>					
1993/95		306 SRD - GRD <b>Eng. XUD7 - XUD9</b> 1905 cc.					
	4	<b>Eng. DW10ATED4</b> 1997 cc.	85	0801.V9 0801.W0	<b>CM05-2103</b> <b>CM05-2102</b>	402 456	IN EX
	4	<b>Eng. DW12TED4/FAP</b> 2179 cc.					
1999 1999 1999 2000 2000 2000 2000	4	206 2.0 HDI 306 2.0 HDI 406 2.0 HDI 307 2.0 HDI 806 2.0 HDI Expert 2.0 HDI Ranch 2.0 HDI <b>Eng. DW10TD-RHY-RHZ</b> <b>Eng. DW10ATED-RHY-RHZ</b> <b>Eng. DW10BTED-RHX</b> 1998 cc.	85	0801.T5	<b>CM05-2142</b>	450	
2003 2004 2005	4	307 2.0 HDI 16V 407 2.0 HDI 16V 607 2.0 HDI 16V <b>Eng. DW10BTED4-RHR</b> 1997 cc.	85	0801.AC 0801.AE	<b>CM05-2176</b> <b>CM05-2175</b>	430 457	IN EX
1999 2006 2000 2007	4	806 2.0 HDI 16V 807 2.0 HDI 16V Expert 2.0 HDI 16V Expett 2.0 HDI 16V 120 HP <b>Eng. RHK (DW10UTED4)</b> <b>Eng. RHW(DW10ATED4)</b> <b>Eng. RHM(DW10ATED4)</b> <b>Eng. RHT(DW10ATED4)</b> 1997 cc.	85	0801.AC 0801.AE	<b>CM05-2176</b> <b>CM05-2175</b>	430 457	IN EX
2012	4	5008 2.0 DHI <b>Eng. AHY(DW10CE)</b> <b>AHZ(DW10CD)</b> <b>RHC-RHD-RHE-RHH</b> <b>DW10CTED4</b> 1997 cc.	85	0801.FV 0801.EZ	<b>CM05-2360</b> <b>CM05-2361</b>	428 450	IN EX

**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2007	4	4007 2.2 HDI <b>Eng. DW12MTED4</b> <b>DW12BTED4</b> 2179 cc.	85	0801.EW 0801.FY 0801.CZ 0801.EX 0801.FZ 0801.EO	<b>CM05-2270</b>  <b>CM05-2271</b>	410  435	IN  EX
1994	4	Boxer 2.5 TD12V <b>Eng. T9A-DJ5</b> 2446 cc.	92	0801.L2	<b>CM05-2143</b>	553	
2000	4	Jumper 2.8 HDI <b>Eng. 8140.43S</b> 2798 cc.	94.4	0801.V8	<b>CM05-2147</b>	504	
2004	4	Jumper 2.8 HDI <b>Eng. 8140.43N</b> 2798 cc.	94.4	0801.V8	<b>CM05-2147</b>	504	

**RENAULT**


1996	4	Megane I 1.4e <b>Eng. E7J626-756</b> 1390 cc.	75.8	7700868202	<b>CM05-2208</b>	404.35	
1999	4	Clio 1.4 i 16V <b>Eng. K4J.A7/B7/C7</b>	79.5	8200100527 7700110675	<b>CM05-2183</b>	438	IN
2005		Clio 1.4 i 16C <b>Eng. KL4J.GA</b>		7700113894	<b>CM05-2184</b>	441	EX
1996		Megane 1.4 i 16V <b>Eng. K4J.C7/D7</b> <b>Eng. K4J.714/730/750</b>		8200100528 7700110676 7700113895			
2004		Megane 1.4 i 16V					
2004		Modus 1.4 i 16V <b>Eng. K4J.G7</b> 1390 cc.					
1996	4	Megane I 1.6i <b>Eng. K7M-720</b> 1598 cc.	79.5	7700870941	<b>CM05-2209</b>	435.35	
1998	4	Clio II 1.6 Megane 1.6 <b>Eng. K7M</b> 1598 cc.	79.5	7700272940	<b>CM05-2182</b>	404.35	



**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Length mm.	NOTE remarks
1998 2001 1996 2001	4	Clio 1.6 i 16V Kangoo 1.6 i 16V Megane 1.6 i 16V Kangoo Express 1.6 i 16V <b>Eng. K4M.A7/B7/G7</b> <b>Eng. K4M.700</b>	79.5	8200100527 7700110675 7700113894 8200100528 7700110676 7700113895	<b>CM05-2183</b>  <b>CM05-2184</b>	438  441	IN  EX
2005 1997 2005	4	Clio 1.6 i 16V <b>Eng. K4M.8</b> Laguna 1.6 i 16V <b>Eng. K4M.D7</b> Laguna 1.6 i 16V <b>Eng. K4M.57</b>	82	8200235677 130206522R 8200216090	<b>CM05-2366</b> <b>CM05-2367</b>	439 439	IN EX
2002 2004	4	Megane 1.6 i 16V <b>Eng. K4M.T7/W7</b> Modus 1.6 i 16V <b>Eng. K4M.7</b> 1598 cc.	82	7700115267 8200032853	<b>CM05-2254</b> <b>CM05-2207</b>	460 448.5	IN EX
2004	4	Clio II 2.0 16V <b>Eng. F4R712-713</b> 1998 cc.	82.7	7700108609 7700108610	<b>CM05-2210</b> <b>CM05-2212</b>	453.5 448.5	IN EX
1998	4	Espace III 2.0 16V <b>Eng. F4R700-701-740</b> 1998 cc.	82.7	7700106359	<b>CM05-2211</b>	454	
2000	4	Megane I 2.0 <b>Eng. F3R-611-742</b> 1998 cc.	82.7				
<b>RENAULT DIESEL</b>							
2001 2004 2003	4	Clio II 1.5 Dci Modus 1.5 DCI Megane 1.5 DCI	76	8200089894 8200718120	<b>CM05-2151</b> <b>CM05-2148*</b>	453 452	<b>CM05-2148*</b> Con sensore di fase With phase sensor
2004 2001	4	Twingo 1.5 DCI Scenic 1.5 DCI <b>Eng. K9K.B7/E7/N7/T7</b> Kangoo 1.5 DCI Kangoo Express 1.5 DCI <b>Eng. K9K.A7/B7/V7</b> 1461 cc.	8200978873		<b>CM05-2185*</b>	451.	<b>CM05-2185*</b> Con 4 sensori di fase With 4 phase sensors
2015	4	Espace V 1.6 DCI <b>Eng. R9M-409</b> 1598 cc.	80	130011597R 130015174R	<b>CM05-2351</b> <b>CM05-2350</b>	445 437.4	IN EX
1996	4	Megane I 1.9 TDI <b>Eng. F8Q610-768-786</b> 1870 cc.	80	7700866418	<b>CM05-2225</b>	458.5	
1996	4	Megane 1.9 D <b>Eng. F8Q-624</b> 1870 cc.	80	7700872299	<b>CM05-2226</b>	464.5	

**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
1996	4	Megane 1.9DT <b>Eng. F8Q-784</b> 1870 cc.	80	7700107373	<b>CM05-2236</b>	460	
1998	4	Clio II 1.9 D Kangoo 1.9 D <b>Eng. F8Q 600-606-622</b> <b>Eng.F8Q630-632-662-</b> <b>Eng. F8Q690</b> 1870 cc.	80	7700106678	<b>CM05-2150</b>	461	
1995	4	Rapid 1.9 D <b>Eng. F8Q-682</b> 1870 cc.	80	7700101020	<b>CM05-2235</b>	460	
2000	4	Clio 1.9 DTI <b>Eng. F9Q 710-716-718</b> <b>Eng. F9Q731-736</b> 1870 cc.	80	8200043152	<b>CM05-2168</b>	462	
2003	4	Espace IV 1.9 DCI <b>Eng. F9Q-650-664-670</b> 1870 cc.	80	8200084742	<b>CM05-2234</b>	454	
2001	4	Megane I 1.9 DCI <b>Eng. F9Q-738-744</b> 1870 cc.	80	8200884427	<b>CM05-2213</b>	460.9	
2003 2003 2002 2002 2008	4	Scenic 2.0 DCI Megane 2.0 DCI Laguna 2.0 DCI Vel Satis 2.0 DCI Koleos 2.0 DCI <b>Eng.M9R 700 - 740 760</b> <b>Eng. M9R 780-832</b> 1995 cc.	84	8200827912 8200825144 8200827922	<b>CM05-2193</b> <b>CM05-2321</b> <b>CM05-2194</b>	458.3 465 456.5	IN IN EX
1995	4	Laguna 2.2 D <b>Eng. G8T</b> 2188 cc.	87	7700869327	<b>CM05-2198</b>	480.5	
1996 1996 1997	4	Espace 2.2 TD 12V <b>Eng. G8T.714/716</b> Laguna 2.2 TD 12V <b>Eng. G8T.760</b> Safrane 2.2 TD 12V <b>Eng. G8T.740</b> 2188 cc.	87	7700869325	<b>CM05-2149</b>	484	


**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2002	4	Avantime 2.2 DCI 16V <b>Eng. G9T.L7</b>	87	8200019181 8200019183	<b>CM05-2165</b> <b>CM05-2166</b>	506 486.5	IN EX
2000		Espace 2.2 DCI 16V <b>Eng. G9.TA7/J7/K7</b>					
2001		Laguna 2.2 DCI 16V <b>Eng. G9T.7</b>					
2004		Laguna 2.2 DCI 16V <b>Eng. G9T.7/A6</b>					
2002		Vel Satis 2.2 DCI 16C <b>Eng. G9T.7/A6D7/E7</b>					
2000		Master 2.2 DCI 16V <b>Eng. G9T.C7/F7</b>					
		2187 cc.					
2003	4	Trafic 2.5 DTI 16V <b>Eng. G9U.B7</b>	89				
2001		Master 2.5 DTI 16V <b>Eng. G9U.A7</b>					
		2463 cc.					
1996	4	Master 2.8 TD <b>Eng. S9W.700</b>	94.4	7701035738	<b>CM05-2147</b>	504	
1999		Mascott 2.8 TD Intercooler <b>Eng. 8140.43B-C-S-N</b>					
		2798 cc.					
2005	6	Vectra 3.0 V6 CDTI Signum 3.0 V6 CDTI <b>Eng. Z30DT</b>	96	7421049263 13001MA70A 7421049284 13001MA71A	<b>CM05-2314</b> <b>CM05-2315</b>	473.5 473.5	IN EX
		2959 cc.					
2011	4	Maxity 2.5 Dci 16V <b>Eng. Dxi 2.5</b>	100	13020-5X00A 13020-4KV0A 13020-5X00B 13020-4KV0C	<b>CM05-2287</b> <b>CM05-2288</b>	456 456	IN EX

**RENAULT DIESEL**
**SEAT**

2010	4	Altea 1.2 TSI <b>Eng. CBZB</b>	71	03F 109 101D	<b>CM05-2331</b>	370	
		1197 cc.					
2008	3	Ibiza 1.2 <b>Eng. BZG-CGPA-CGPC</b>	76.5	03E 109 101T 03E 109 101AA 03E 109 101N	<b>CM05-2261</b> <b>CM05-2262</b>	300 300	IN EX
		1198 cc.					
2000	4	Arosa 1.4 16V <b>Eng. AUB-AQQ-BBZ</b>	76.5	03C 109 101BD 036 109 101AG	<b>CM05-2307</b> <b>CM05-2306</b>	410 410	IN EX
		1390 cc.					
2007	4	Altea 1.4 TSI <b>Eng. CAXA</b>	76.5	03C 109 101DC 03C 109 101DD	<b>CM05-2274</b> <b>CM05-2276</b>	401.2 392.8	IN EX
		1390 cc.					
2009	4	Ibiza 1.4 TSI <b>Eng. CAVA-CAVF-CTHA</b>	76.5	03C 109 101DC 03C 109 101DF	<b>CM05-2274</b> <b>CM05-2275</b>	401.2 392.8	IN EX
		1390 cc.					


**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2013	4	Toledo IV <b>Eng. CFNA</b> 1598 cc.	76.5	03C 109 101CP 03C 109 101CQ	<b>CM05-2297</b> <b>CM05-2298</b>	410 410	IN EX
2007	4	Altea 1.8 TFSI <b>Eng. BZB-BYT</b> 1798 cc.	82.5	06H 109 021J 06H 109 022BA	<b>CM05-2277</b> <b>CM05-2278</b>	395 470	IN EX

**SEAT DIESEL**

2000 2002 2002	3	Arosa 1.4 TDI Ibiza 1.4 TDI Cordoba 1.4 TDI <b>Eng. AMF-BNM-BNV</b> 1422 cc.	79.5	045 109 101C	<b>CM05-2124</b>	336	
2005	3	Ibiza III 1.4 TDI <b>Eng. BMS</b> 1242 cc.	79.5	045 109 101J	<b>CM05-2263</b>	335.9	
2010	3	Ibiza IV 1.2 TDI <b>Eng. CFWA</b> 1199 cc.	79.5	03P 109 021 03P 109 022	<b>CM05-2279</b> <b>CM05-2280</b>	310 365	IN EX
2000 2002 2002	4	Alhambra 1.9 TDI <b>Eng. AUY</b>	79.5	038 109 101R	<b>CM05-2126</b>	426	
2002 2002	4	Cordoba 1.9 TDI Ibiza 1.9 TDI <b>Eng. ATD</b>	79.5				
2002 2002 2002 2003 2003	4	Alhambra 1.9 TDI Cordoba 1.9 TDI Ibiza 1.9 TDI Leon 1.9 TDI Toledo 1.9 TDI <b>Eng. ASZ</b>	79.5				
2001 2001 2000	4	Ibiza 1.9 TDI Leon 1.9 TDI Toledo 1.9 TDI <b>Eng. ARL</b> 1986 cc.	79.5				
2005	4	Leon 2.0 TDI Toledo 2.0 TDI <b>Eng. BMM</b> 1968 cc.	81	038 109 101AH	<b>CM05-2127</b>	426	
2009	4	Toledo 2.0 TDI Altea 2.0 TDI Leon 2.0 TDI <b>Eng. AZV-BKD</b> 1968 cc.	81	03G 109 101A 03G 109 102B	<b>CM05-2179</b> <b>CM05-2180</b>	426.5 426	IN EX

## ALBERI A CAMME CAMSHAFTS

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Length mm.	NOTE remarks
2006		Toledo III 2.0 TDI Altea XL 2.0 TDI Leon 2.0 TDI <b>Eng. BMN</b> 1968 cc.	81	03G 109 101A 03G 109 102F	<b>CM05-2179</b> <b>CM05-2181</b>	426.5 425.7	IN EX


## SKODA

2010	4	Fabia II 1.2 TSI <b>Eng. CBZB</b> 1197 cc.	71	03F 109 101D	<b>CM05-2331</b>	370	
2002/08 2001/07	3	Fabia 1.2 Praktik 1.2 <b>Eng. AWY-BMD</b> 1198 cc.	76.5	03D 109 101N	<b>CM05-2178</b>	306.5	
2003	3	Fabia 1.2 <b>Eng. BME-CEVA</b> 1198 cc.	76.5	03E 109 101T 03E 109 101AA 03E 109 101N	<b>CM05-2261</b> <b>CM05-2262</b>	300 300	IN EX
2000	4	Fabia I 1.4 16V <b>Eng. BBZ-AUB</b> 1390 cc.	76.5	03C 109 101BD 036 109 101AG	<b>CM05-2307</b> <b>CM05-2306</b>	410 410	IN EX
2008	4	Octavia II 1.4 TSI <b>Eng. CAXA</b> 1390 cc.	76.5	03C 109 101DC 03C 109 101DD	<b>CM05-2274</b> <b>CM05-2276</b>	401.2 392.8	IN EX
2004	4	Octavia II 1.6 FSI <b>Eng. BLF</b> 1598 cc.	76.5	03C 109 101AT 03C 109 101AF	<b>CM05-2293</b> <b>CM05-2294</b>	410 410	IN EX
2007	4	Fabia II 1.6 <b>Eng. CFNA</b> 1598 cc.	76.5	03C 109 101CP 03C 109 101CQ	<b>CM05-2297</b> <b>CM05-2298</b>	410 410	IN EX
2004/09	4	Octavia II <b>Eng. BVZ-BVY-BLY-BLR</b> 1984 cc.	82.5	06D 109 101AL 06D109 102AK	<b>CM05-2248</b> <b>CM05-2249</b>	452.5 446	IN EX
2007	4	Octavia 1.8 TFSI <b>Eng. BZB</b> 1798 cc.	82.5	06H 109 021J 06H 109 022BA	<b>CM05-2277</b> <b>CM05-2278</b>	395 470	IN EX

## SKODA DIESEL

2006 2007	4	Roomster 1.4 TDI Praktik 1.4 TDI <b>Eng. BNM-BNV-AMF</b> 1422 cc.	79.5	045 109 101C	<b>CM05-2124</b>	336	
2007	3	Fabia II <b>Eng. BMS</b> 1242 cc.	79.5	045 109 101J	<b>CM05-2263</b>	335.9	
2010	3	Fabia II 1.2 TDI <b>Eng. CFWA</b> 1199 cc.	79.5	03P 109 021 03P 109 022	<b>CM05-2279</b> <b>CM05-2280</b>	310 365	IN EX


**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2000 2000	4	Fabia 1.9 TDI Octavia 1.9 TDI <b>Eng. ATD</b>	79.5	038 109 101R	<b>CM05-2126</b>	426	
2002	4	Superb 1.9 TDI <b>Eng. AVB-AVF-AWX</b>					
2003 2003	4	Fabia 1.9 TDI Octavia 1.9 TDI <b>Eng. ASZ</b>					
2008 2006	4	Superb 1.9 TDI-PD Roomster 1.9 TDI-PD <b>Eng. BLS-BXE-BSW</b> 1896 cc.					
2005	4	Roomster 1.9 TDI <b>Eng. BLS-BMM</b> 1968 cc.	81	038 109 101AH	<b>CM05-2127</b>	426	
2005	4	Octavia 2.0 TDI <b>Eng. AZV</b> 1968 cc.	81	03G 109 101A 03G 109 101B 03G 109 102B	<b>CM05-2179</b> <b>CM05-2180</b>	426.5 426	IN EX
2006	4	Octavia 2.0 TDI RS <b>Eng. BMN</b> 1968 cc.	81	03G 109 101A 03G 109 101B 03G 109 102F	<b>CM05-2179</b> <b>CM05-2181</b>	426.5 425.7	IN EX

**VOLKSWAGEN**


1996/99	4	Polo 1.0 i Lupo 1.0 i <b>Eng. AER - ALL</b> 999 cc.	67.1	030 109 101BG	<b>CM05-2128</b>	426	
2009	4	Golf VI 1.2 TSI <b>Eng. CBZB</b> 1197 cc.	71	03F 109 101D	<b>CM05-2331</b>	370	
2002/07	3	Polo 1.2 <b>Eng. AWY-BMD</b> 1198 cc.	76.5	03D 109 101N	<b>CM05-2178</b>	306.5	
2009	3	Polo 1.2 <b>Eng. CGPB-BME</b> 1198 cc.	76.5	03E 109 101T 03E 109 101AA 03E 109 101N	<b>CM05-2261</b> <b>CM05-2262</b>	300 300	IN EX
2000	4	Lupo 1.4 16V <b>Eng. AQQ-BBZ</b> 1390 cc.	76.5	03C 109 101BD 036 109 101AG	<b>CM05-2307</b> <b>CM05-2306</b>	410 410	IN EX
2006	4	Golf 1.4 TSI <b>Eng. BLG-BMY</b> 1390 cc.	76.5	036 109 101DH 03C 109 101BC	<b>CM05-2309</b> <b>CM05-2308</b>	410 410	IN EX
2000	4	Bora 1.4 16V <b>Eng. AXP-BCA-BUD-BXW</b> 1390 cc.	76.5	03C 109 101EC 036 109 101AA	<b>CM05-2324</b> <b>CM05-2214</b>	409.5	IN EX
2011	4	Jetta IV 1.4 TSI <b>Eng. CMSB-CAXA</b> 1390 cc.	76.5	03C 109 101DC 03C 109 101DD	<b>CM05-2274</b> <b>CM05-2276</b>	401.2 392.8	IN EX

**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2011	4	Beetle 1.4 TSI <b>Eng. CAVA-CAVB-CAVC</b> 1390 cc.	76.5	03C 109 101DC 03C 109 101DF	<b>CM05-2274</b> <b>CM05-2275</b>	401.2 392.8	IN EX
1995	4	Caddy II <b>Eng. AEX-AKV-ANX</b> 1390 cc.	76.5	030 109 101AM	<b>CM05-2240</b>	415	
2004	4	Golf IV 1.4 16V <b>Eng. AUA-BBY-BPF</b> 1390 cc.	76.5	036 109 101AC 036 109 101 DG 03C 109 101EE 036 109 101AA 036 109 101DE 036 109 101DJ	<b>CM05-2215</b>  <b>CM05-2214</b>	409.5 409.5	IN EX
2010	4	Polo 1.4 16V <b>Eng. CGGB-CMAA</b> 1390 cc.	76.5	03C 109 101EC 03C 109 101ED	<b>CM05-2324</b> <b>CM05-2329</b>	409 409	IN EX
1995	4	Caddy II 1.6 i <b>Eng. AEE-ALM</b> 1598 cc.	76.5	032 109 101S	<b>CM05-2241</b>	415	
2003	4	Golf V <b>Eng. BLF-BLP</b> 1598 cc.	76.5	03C 109 101AT 03C 109 101AF	<b>CM05-2293</b> <b>CM05-2294</b>	410 410	IN EX
2011	4	Jetta IV 1.6 <b>Eng. CFNA</b> 1598 cc.	76.5	03C 109 101CP 03C 109 101CQ	<b>CM05-2297</b> <b>CM05-2298</b>	410 410	IN EX
1995	4	Golf III 1.6 <b>Eng. AFT</b> 1595 cc.	81	050 109 101A	<b>CM05-2244</b>	410	
2000	4	Bora 1.6 i <b>Eng. ALZ-AYD-BFS</b> 1595 cc.	81	06B109101G 06B109101Q	<b>CM05-2231</b>	408.5	
1993	4	Golf III 2.0 i 16V <b>Eng. AEG</b> 1984 cc.	82.5	050 109 101A	<b>CM05-2244</b>	410	
2005	4	Passat 2.0 FSI <b>Eng. BWA-AXX-BPY</b> 1984 cc.	82.5	06F 109 101B 06F 109 101J 06F 109 102B 06F 109 102E	<b>CM05-2246</b>  <b>CM05-2247</b>	446.20	IN EX
2005/10	4	Passat 2.0 FSI <b>Eng. BVZ-BVY-BLY-BLR</b> 1984 cc.	82.5	06D 109 101AL 06D109 102AK	<b>CM05-2248</b> <b>CM05-2249</b>	452.5 446	IN EX
2007	4	Passat 1.8 TSI <b>Eng. BZB</b> 1798 cc.	82.5	06H 109 021J 06H 109 022BA	<b>CM05-2277</b> <b>CM05-2278</b>	395 470	IN EX


**VOLKSWAGEN**

**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
<b>VOLKSWAGEN DIESEL</b>							
1999	4	New Beetle 1.9 TDI	79.5	038 109 101R	<b>CM05-2126</b>	426	
1999/01		Bora 1.9 TDI					
1998/01		Golf 1.9 TDI					
1998/00		Passat 1.9 TDI					
2000		Sharan 1.9 TDI					
		<b>Eng. AJM-ATJ</b>					
1999/03	4	Sharan 1.9 TDI					
		<b>Eng. ANU</b>					
2001	4	New Beetle 1.9 TDI					
		Polo 1.9 TDI					
2000		Golf 1.9 TDI					
2000		Bora 1.9 TDI					
		<b>Eng. ATD</b>					
2000	4	Golf 1.9 TDI					
2000		Bora 1.9 TDI					
2003		Polo 1.9 TDI					
2002		Sharan 1.9 TDI					
		<b>Eng. ASZ-ARL</b>					
2000	4	Passat 1.9 TDI					
		<b>Eng. AVB - AVF - AWX</b>					
2003	4	Golf 1.9 TDI					
		<b>Eng. BKC</b>					
2003	4	Transporter 1.9 TDI					
2003		Multivan 1.9 TDI					
		<b>Eng. AXC-AXB</b>					
		1896 cc.					
1999	3	Lupo 1.4 TDI	79.5	045 109 101C	<b>CM05-2124</b>	336	
		Polo 1.4 TDI					
		<b>Eng. AMF-BAY</b>					
		1422 cc.					
2005	3	Polo 1.4 TDI	79.5	045 109 101J	<b>CM05-2263</b>	335.9	
		<b>Eng. BMS-BWB</b>					
2009	3	Polo 1.2 TDI	79.5	03P 109 021	<b>CM05-2279</b>	310	IN
		<b>Eng. CFWA</b>		03P 109 022	<b>CM05-2280</b>	365	EX
		1199 cc.					
1999	4	Lupo 1.7 SDI	79.5	028 109 101E	<b>CM05-2217</b>	416	
		<b>Eng. AKU</b>					
		1716 cc.					
1994	4	Golf III 1.9 TDI	79.5	028 109 101F	<b>CM05-2218</b>	416	
		<b>Eng. AFN-AHU</b>					
		1896 cc.					
1998	4	Bora 1.9 TDI	79.5	038 109 101K	<b>CM05-2216</b>	418	
		<b>Eng. AGR-AHF-ALW</b>					
		1896 cc.					



**ALBERI A CAMME  
CAMSHAFTS**

ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	RIFERIMENTO FRECCIA Freccia reference	LUNGH. Lenght mm.	NOTE remarks
2001	4	Polo 1.9 SDI <b>Eng. AGP-AQM-ASY-AYQ</b> 1896 cc.	79.5	038 109 101E	<b>CM05-2219</b>	417.5	
2009	4	Golf Plus 1.6 TDI <b>Eng. CAYC</b> 1598 cc.	79.5	03L109021 03L109022	<b>CM05-2195</b> <b>CM05-2196</b>	390 450	IN EX
2004	4	Golf 1.9 TDI <b>Eng. BLR-BRS-BSU</b> 1896 cc.	81	038 109 101AH	<b>CM05-2127</b>	426	
2005	4	Golf V 2.0 TDI Touran 2.0TDI Jetta 2.0 TDI Passat 2.0 TDI Tiguan 2.0 TDI <b>Eng. AZV-BKD-BMA-BMV</b> <b>Eng. BKP-CBAA-CBDA</b> 1968 cc.	81	03G 109 101A 03G 109 102B	<b>CM05-2179</b> <b>CM05-2180</b>	426.5 426	IN EX
2003	5	Touareg 2.5 TDI R5 10V <b>Eng. BAC-BLK</b> 2460 cc.	79.5	070 109 101P	<b>CM05-2125</b>	500	
2003	4	Passat 2.0 TDI <b>Eng. BGW-BHW</b> 1968 cc.	81	038 109 101AF	<b>CM05-2203</b>	424	
2004	4	Golf V 2.0 SDI <b>Eng. BDK-BST-BDJ</b> 1968 cc.	81	038 109 101AE	<b>CM05-2204</b>	423.7	
2005 2006	4	Touran 2.0 TDI Jetta III 2.0 TDI Golf V 2.0 TDI <b>Eng. BMN-BMR</b> 1968 cc.	81	03G 109 101A 03G 109 102F	<b>CM05-2179</b> <b>CM05-2181</b>	426.5 427.5	IN EX
2011	4	Passat 2.0 TDI <b>Eng. CFGC</b> 1968 cc.	81	03L109021 03L109022	<b>CM05-2195</b> <b>CM05-2196</b>	390 450	IN EX
	5	Transporter 2.5 TDI Multivan 2.5 TDI Tuareg 2.5 TDI <b>Eng. BNZ-BPC-BPD-BPE</b> 2461 cc.	81	070 109 101Q	<b>CM05-2161</b>	500	



*freccia*

**PARTI MOTORE**

**ENGINE PARTS**

**PIECES DE MOTEURS**

**MOTORENTEILE**

**COMPONENTES DEL MOTOR**

**ЧАСТИ ДВИГАТЕЛЯ**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓			
							D	d	L	

### ACME

		Motore ADN 37		960/022	IN/D	<b>MI5106/NCR</b>	30.5	9	105	E	45°
		Motore ADN45		960/023	EX	<b>MI5107/R</b>	30.5	9	105	E	45°
		Motore A180 - A220		960/125	IN	<b>MI5145/S</b>	29.5	7	82	D	45°
		Motore AT 220		960/126	EX	<b>MI5146/R</b>	25.5	7	82	D	45°
		Motore AT 330 - ALN		960/027	IN	<b>MI5147/S</b>	31	7	94	H	45°
				960/127	EX	<b>MI5148/R</b>	27	7	94	H	45°
		Motore ADX 300		960/118	IN	<b>MI5149/S</b>	32	7	87.5	E	45°
				960/119	EX	<b>MI5150/R</b>	27	7	87.5	E	45°

### ALFA ROMEO

2008	4	MiTo 1.4 ie 16V <b>Eng. 955A9.000</b> <b>Eng. 350A1.000</b> <b>Eng. 955A1.000</b> <b>Eng. 199A6.000</b> <b>Eng. 955A6.000</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°
				55185080	EX	<b>R6507/RCR</b>					
2008 2010	4	MiTo 1.4 ie Turbo16V Giulietta 1.4 ie Turbo 16V <b>Eng. 199A8.000</b> <b>Eng. 955A2.000</b> <b>Eng. 955A.7000</b> <b>Eng. 955A8.000</b> <b>Eng. 940A2.000</b> <b>Eng. 940B1.000</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°
				55206233	EX	<b>R6589/BMARCR</b>					
2011	4	MiTo 1.4 ie Turbo16V Giulietta 1.4 ie Turbo 16V <b>Eng. 198A4.000 GPL</b> 1368 cc.	72	55225886	IN	<b>R6758/SARCR</b>	26.8	6	95.2	I	30°
				55225887	EX	<b>R6757/BMARNT</b>					
1962/83	4	Alfetta 1.6 - Giulia 1.6 Giulietta 1.6 - GTV 1.6 1570 cc. Giulietta 1.3 1351 cc. 1750 Berlina 1750 cc. 1750 GT - 2000 Spider 90 1.8 Super Alfetta 1.8 - GTV 1.8 Giulietta 1.8 1779 cc.	78	101100330003	IN	<b>R1442/S</b>	41	9	107	EE	30°
			80	105000330103	EX	<b>R1443/R</b>					

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
73500256	<b>G11069</b> <b>G11070</b> <b>G11071</b>	IN/EX	39.7	6.02	10.03	G	C.I.
	<b>GS11069</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
73500256	<b>GS11069</b> <b>G11514*</b>	IN/EX IN/EX	39.7 39.7	6.02 6.02	10.03 10.03	SM B	C.I. C.I.
73500256	<b>GS11069</b> <b>G11514*</b>	IN/EX IN/EX	39.7 39.7	6.02 6.02	10.03 10.03	SM B	C.I. C.I.
60743761	<b>G2014</b> <b>G2015</b>	IN	51	9	14.05 14.10	B	C.I.
60709284	<b>G2018</b> <b>G2019</b>	EX	54	9	14.05 14.10	B	L
	<b>G3106</b> <b>G3107</b>	IN/EX	49	9	14.05 14.10	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
55193839	<b>PI 06-0033</b>	I
55193839	<b>PI 06-0033</b>	I


**NOTE  
remarks**

<b>ACME</b>
<b>ALFA ROMEO</b>
<b>G11514*</b> VERSIONE BRONZO
<b>G11514*</b> VERSIONE BRONZO

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1974/77	4	Alfasud L - N Arna 1.2 1186 cc. Alfa 33 1.3 Alfasud 1350 Alfasud Sprint 1.3 1350 cc. Alfasud 1.5 - Sprint 1.5 1490 cc.	80	102894	IN	<b>R3361/SCR</b>	39	8	92	I	45°	
				102896	EX	<b>R3362/RCR</b>	33	8	93	I	45°	
1983/84	4	Alfa 33 1.3 - 1.3 S Alfasud Sprint 1.3 <b>Eng. AR301.68</b> 1350 cc.	80	129661	IN	<b>R4242/SCR</b>	39	8	97	I	45°	
				125195	IN	<b>R3972/SCR</b>	38	8	98	I	45°	
				125196	EX	<b>R3973/RCR</b>	33	8	97.5	I	45°	
1988	4	Alfa 33 1.3 Alfasud Sprint 1.3 <b>Eng. AR305.68</b> 1350 cc.	80	134309	IN	<b>R4446/SCR</b>	38	8	93	I	45°	
				60503993	EX	<b>R4447/RCR</b>	33	8	93.5	I	45°	
1988	4	Alfa 33 Nuova 1.2 <b>Eng. AR307.43</b> 1186 cc. Alfa 33 Nuova 1.3 <b>Eng. AR307.32/53/55</b> 1351 cc. Alfa 33 Nuova 1.5 <b>Eng. AR307.34/38</b> 1490 cc. Alfa 33 Nuova 1.7 ie <b>Eng. AR307.36/37/40</b> 1717 cc.	80	60540326	IN	<b>R4450/SCR</b>	39.8	8	92	I	45°	
				60540325	EX	<b>R4451/RCR</b>	33.1	8	92.1	I	45°	
			84									
1995	4	Alfa 145/146 1.3 ie <b>Eng. AR335.01</b> 1351 cc.	80	60540326	IN	<b>R4450/SCR</b>	39.8	8	92	I	45°	
				60540325	EX	<b>R4451/RCR</b>	33.1	8	92.1	I	45°	
1990/97	V6	Alfa 164 2.0 ie V6 Turbo <b>Eng. AR641.01/02</b>	80	60513702	IN	<b>R4612/BM</b>	36.5	9	107.3	I	45°	
1998	V6	Alfa 166 2.0 ie V6 Turbo <b>Eng. AR341.02 12V</b> 1997 cc.		60625603	IN		32.6	9	95	I	45°	
				60513703	EX	<b>R4613/BMARCR</b>						
2013	2	Mito 0.9 Turbo 8V <b>Eng. 312A2.000</b> <b>Eng. 199B6.000</b> 875 cc.	80.5	55229666	IN	<b>R6789/SCR</b>	30.14	5	95.5	I	45°	
				55231897	EX	<b>R6790/BMCR</b>	25.3	5	95.3	I	45°	
09/2013 <b>NEW</b>	2	Mito 0.9 Twin Air <b>Eng. 312A2.000 CNG</b> 875 cc.	80.5	55229667	IN	<b>R6908/SARCR</b>	31.05	5	95.5	I	30°	
				55231995	EX	<b>R6909/BMARNT</b>	26.10	5	95.62	I	30°	

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
700001	<b>G2022</b>	IN	40.5	8.02	13.07	G	C.I.
	<b>G2023</b>				13.12		
700002	<b>G2026</b>	EX	44	8.02	13.07	G	L
	<b>G2027</b>				13.12		
700001	<b>G2022</b>	IN	40.5	8.02	13.07	G	C.I.
	<b>G2023</b>				13.12		
700002	<b>G2026</b>	EX	44	8.02	13.07	G	L
	<b>G2027</b>				13.12		
60750222	<b>G3317</b>	IN/EX	40.5	8.02	13.07	G	C.I.
	<b>G3318</b>				13.12		
60750222	<b>G3317</b>	IN/EX	40.5	8.02	13.07	G	C.I.
	<b>G3318</b>				13.12		
60810438	<b>G11009</b>	IN	48.5	9	14.05	B	C.I.
	<b>G11010</b>				14.10		
60810435	<b>G11011</b>	EX	42	9	14.06	G	C.I.
	<b>G11012</b>				14.11		
71769214	<b>G11593</b>	IN/EX	40.5	5.01	9.06	G	C.I.
	<b>GS11593</b>	IN/EX	40.5	5.01	9.06	SM	C.I.
	<b>G11594</b>	IN/EX	40.5	5.01	9.06	B	C.I.
71769214	<b>G11593</b>	IN/EX	40.5	5.01	9.06	G	C.I.
	<b>GS11593</b>	IN/EX	40.5	5.01	9.06	SM	C.I.
	<b>G11594</b>	IN/EX	40.5	5.01	9.06	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60513941		
60623146	<b>PI 06-0001</b>	I
90509386		I
60513941		
60623146	<b>PI 06-0001</b>	I
60513941		
60623146	<b>PI 06-0001</b>	I
60513941		
60623146	<b>PI 06-0001</b>	I
60513941		
60623146	<b>PI 06-0001</b>	I
1669765		


 NOTE  
remarks

ALFA ROMEO

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	Alfa 145 1.4 ie 16V TS Alfa 146 1.4 ie 16V TS <b>Eng. AR335.03</b> 1370 cc.	82	7735898 60812982 60812981 7735899	IN EX	<b>R4738/SCR</b> <b>R4739/BMCR</b>	30 26	7 7	113 108.5	I I	45° 45°
2001	4	Alfa 1471.6 ie TS <b>Eng. AR372.03</b> 1598 cc.	82								
1996	4	Alfa 145 1.6 ie 16V TS Alfa 146 1.6 ie 16V TS <b>Eng. AR321.01/02</b> <b>Eng. AR676.01</b>	82	7766564 60811153 60811154 60674496	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
2001		Alfa 147 1.6 ie 16V TS <b>Eng. AR321.04</b>									
1996		Alfa 155 1.6 ie 16V TS <b>Eng. AR676.01</b>									
1997		Alfa 156 1.6 ie 16V TS <b>Eng. AR321.02</b> <b>Eng. AR676.01</b> 1598 cc.									
1996	4	Alfa 145 1.8 ie 16V TS Alfa 146 ie 1.8 16V TS <b>Eng. AR322.01</b> <b>Eng. AR671.06/99</b>	82	7766564 60811153 60811154 60674496	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
11/96		Alfa 155 1.8 16V TS <b>Eng. AR671.06</b>									
1997		Alfa 156 1.8 16V TS									
1994		GTV 1.8 ie 16V TS									
1998		Spider 1.8 ie 16V TS <b>Eng. AR322.01</b>									
2003		GT 1.8 ie 16V TS <b>Eng. AR322.05</b> 1747 cc.									
2005	4	Alfa 159 1.8 16V <b>Eng. 939A.4000</b> 1796 cc.	82	55557741 71744388	IN EX	<b>R6504/SCR</b> <b>R6505/BMCR</b>	31 27.5	5 5	114 113.2	I I	45° 45°
2009/12	4	Alfa 159 1.8 Tbi 16V	83								
2009		Alfa Brera 1.8 Tbi 16V									
2010		Giulietta 1.8 Tbi 16V									
2009		Spider 1.8 Tbi 16V									
2014		4C 1.8 Tbi 16V <b>Eng. 939B1.000</b> <b>Eng. 940B2.000</b> <b>Eng. 960A1.000</b> 1742 cc.									



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6081186 6081187 6081189 6081190	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	<b>GS3531</b> <b>GS3532</b>	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
6081186 6081187 6081189 6081190	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	<b>GS3531</b> <b>GS3532</b>	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
6081186 6081187 6081189 6081190	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	<b>GS3531</b> <b>GS3532</b>	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
71739771	<b>G11479</b> <b>G11480</b> <b>GS11479</b>	IN/EX IN/EX	37 37	5 5	10.03 10.06 10.03	G SM	C.I. C.I.
55228536 55228537 55228538	<b>GS11622</b>	IN/EX	44.2	6	11.07	SM	L





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60812654 46465330 46413078	<b>PI 06-0004</b>	I
60812654 46465330 46413078	<b>PI 06-0004</b>	I
60812654 46465330 46413078	<b>PI 06-0004</b>	I
	<b>PI 06-0019</b>	I
	<b>PI 06-0019</b>	I


**NOTE  
remarks**
**ALFA ROMEO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1996	4	Alfa 145 2.0 ie 16V TS Alfa 146 2.0 ie 16V TS <b>Eng. 323.01</b> <b>Eng. AR672.04/99</b>	83	7766564 60811153 60811154 60674496	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
1995		Alfa 155 2.0 ie 16V TS <b>Eng. AR672.04/99</b>									
1997		Alfa 155 2.0 ie 16V TS <b>Eng. AR323.01/03</b>									
1997		GTV 2.0 ie 16V TS Spider 2.0 ie 16V TS <b>Eng. AR323.01</b> <b>Eng. AR162.01</b> 1969 cc.									
1998		Alfa 166 2.0 ie 16V TS <b>Eng. AR341.03</b> <b>Eng. AR363.01</b>									
2003	4	GT 2000 JTS 16V <b>Eng. 937A1.000</b> <b>Eng. AR322.05</b> 1970 cc									
1994	4	Alfa 155 1.8 ie TS <b>Eng. AR671.05</b> 1749 cc.	83.4								
1992	4	Alfa 155 1.8 ie TS <b>Eng. AR671.02</b> 1773 cc.	84								
1987		Alfa 75 2.0 TS 8V <b>Eng. AR061.66</b> <b>Eng. AR062.24</b> 1962 cc.									
1987/92	4	Alfa 164 2.0 TS 8V <b>Eng. AR064.20</b> 1962 cc.									
1993	4	Alfa 164 2.0 ie TS 8V <b>Eng. AR641.03</b> 1995 cc.									
1992	4	Alfa 155 2.0 ie TS <b>Eng. AR672.02</b> 1995 cc.									
1971/85	4	2000 GT - 2000 Spider Alfetta 2.0 GTV Giulietta 2.0 Spider 2.0 <b>Eng. AR005.12</b> 1962 cc.	84	60516251 105120330001 105120330102 60516253	IN EX	<b>R3325/S</b> <b>R3326/R</b>	44 40	9 9	105 105	EE EE	30° 30°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6081186 46811575 46811582 6081190	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42  46	7.02  7.02	13.03 13.08 13.03 13.08	G  G	C.I.  C.I.
	<b>GS3531</b> <b>GS3532</b>	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
60579202  60579200	<b>G3110</b> <b>G3111</b> <b>G3114</b> <b>G3115</b>	IN  EX	48  45	8  8	15.07 15.12 15.07 15.12	B  G	C.I.  C.I.
60743761  60709284	<b>G2014</b> <b>G2015</b> <b>G2018</b> <b>G2019</b>	IN  EX	51  54	9  9	14.05 14.10 14.05 14.10	B  B	C.I.  L



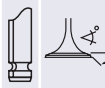
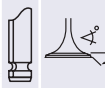
**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60812654 46465330 46413078 46787055	<b>PI 06-0004</b>	I
60812654 46465330 46413078	<b>PI 06-0004</b>	I


**NOTE  
remarks**
**ALFA ROMEO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1980	4	GTV 2.0 <b>Eng. AR105.12</b> 1962 cc.	84	60516251 105120330001 105120330102 60516253	IN EX	<b>R3325/S</b> <b>R3326/R</b>	44 40	9 9	105 105	EE EE	30° 30°
1988/90	4	Alfa 33 1.5 <b>Eng. AR305.08</b> Sprint 1.5 QV <b>Eng. AR301.46</b> 1490 cc.	84	60524033 127601 125196 60504784	IN EX	<b>R3974/SCR</b> <b>R3973/R</b>	40 33	8 8	98 97.5	I I	45° 45°
1988	4	Alfa 33 1.5 - 1.5 ti Alfa 33 1.5 4x4 1490 cc.	84	133471 60503993	IN EX	<b>R4448/SCR</b> <b>R4447/R</b>	40 33	8 8	94 93.5	I I	45° 45°
1988	4	Alfa 164 2.0 ie Turbo <b>Eng. M619DT.200</b> 1995 cc.	84	7031135 5953041	IN EX	<b>R4174/R</b> <b>R4175/R</b>	43.5 36	8 8	105.5 106	EE EE	45° 45°
1992/93	4	Alfa 155 2.0 i Turbo <b>Eng. AR672.03</b> 1995 cc.	84	7722907 7650916 60805836	IN EX	<b>R4730/R</b> <b>R4731/R</b>	34.4 28.3	7 7	128 125	EE EE	45° 45°
1994	4	Alfa 145 1.6 ie 8V Alfa 146 1.6 ie 8V <b>Eng. AR332.01</b> 1596 cc	84	60540326 60540325	IN EX	<b>R4450/SCR</b> <b>R4451/R</b>	39.8 33.1	8 8	92 92.1	I I	45° 45°
2016 <b>NEW</b>	4	Giulia 2.0 Turbo 16V Stelvio 2.0 Turbo 16V <b>Eng. 55273835</b> 1995 cc.	84	500504380 05047741AA	IN EX	<b>R8046/SNT</b> <b>R8048/BMCR</b>	31.5 27.5	5.5 5.5	97.15 105.9	I I	45° 45°
1988/90	4	Alfa 33 1.7 <b>Eng. AR305.50</b>	87	60515042 131929000000	IN	<b>R4334/SCR</b>	39.8	8	92.9	I	45°
	4	Alfa 33 1.7 ie <b>Eng. AR305.58</b> 1717 cc.		131930000000 60515041	EX	<b>R4335/R</b>	33.1	8	93	I	45°
1988/93	4	Alfa 33 1.7 ie <b>Eng. AR307.36/37.40</b> 1717 cc.	84	60540326 60540325	IN EX	<b>R4450/SCR</b> <b>R4451/R</b>	39.8 33.1	8 8	92 92.1	I I	45° 45°
2005	V6	159 3.2 JTS V6 24V	85.6	71741112	IN	<b>R6383/SCR</b>	35	6	101.4	S	45°
2006	V6	Brera 3.2 JTS V6 24V		71741113	EX	<b>R6384/R</b>	30.6	6	97.2	S	45°
2006	V6	Spider 3.2 JTS V6 24V <b>Eng. 939A000</b> 3195 cc.									
2005	4	159 1.9 JTS 16V <b>Eng. 939A6000</b> 1858 cc.	86	55192156 71739686	IN EX	<b>R6385/SCR</b> <b>R6386/BMCR</b>	35 30	6 6	102.2 100.1	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
60743761	<b>G2014</b>	IN	51	9	14.05	B	C.I.
	<b>G2015</b>				14.10		
60709284	<b>G2018</b>	EX	54	9	14.05	B	L
	<b>G2019</b>				14.10		
700001	<b>G2022</b>	IN	40.5	8.02	13.07	G	C.I.
	<b>G2023</b>				13.12		
700002	<b>G2026</b>	EX	44	8.02	13.07	G	L
	<b>G2027</b>				13.12		
700001	<b>G2022</b>	IN	40.5	8.02	13.07	G	C.I.
	<b>G2023</b>				13.12		
700002	<b>G2026</b>	EX	44	8.02	13.07	G	L
	<b>G2027</b>				13.12		
4250801	<b>G2231</b>	IN	42	8.3	14.06	G	C.I.
4371508	<b>G2232</b>				14.11		
82399099	<b>G2239</b>	EX	42	8.3	14.06	B	C.I.
	<b>G2240</b>				14.11		
7616998	<b>G3205</b>	IN/EX	51.3	7.02	14.05	G	C.I.
7616992	<b>G3206</b>				14.10		
60750222	<b>G3317</b>	IN/EX	40.5	8.02	13.07	G	C.I.
	<b>G3318</b>				13.12		
700001	<b>G2022</b>	IN	40.5	8.02	13.07	G	C.I.
	<b>G2023</b>				13.12		
700002	<b>G2026</b>	EX	44	8.02	13.07	G	L
	<b>G2027</b>				13.12		
60750222	<b>G3317</b>	IN/EX	40.5	8.02	13.07	G	C.I.
	<b>G3318</b>				13.12		
71739350	<b>G11379</b>	IN/EX	36	6	10.04	G	L
	<b>G11380</b>				10.09		
	<b>GS11379</b>	IN/EX	36	6	10.04	S M	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60503405	<b>PI 03-105</b>	M
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
60513941	<b>PI 06-0001</b>	I
60623146		
1669765		
90509386		
	<b>PI 06-0019</b>	I


 NOTE  
remarks

ALFA ROMEO

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2005 2006 2006	4	159 2.2 JTS 16V Brera 2.2 JTS 16V Spider 2.2 JTS 16V <b>Eng. 939A5000</b> 2198 cc.	86	55192156 71739686	IN EX	<b>R6385/SCR</b> <b>R6386/BMCR</b>	35 30	6 6	102.2 100.1	I I	45° 45°
1989  1995 1995	4	Alfa 33 1.7 ie 16V <b>Eng. AR307.46/47</b> 1712 cc. Alfa 145 1.7 ie 16V Alfa 146 1.7 ie 16V <b>Eng. AR334.01</b> 1712 cc.	87								
1984  1984	V6 V6 V6	Alfa 75 2.5 ie V6 Alfa 90 2.5 ie V6 <b>Eng. AR019.11</b> <b>Eng. AR016.46</b> GTV 2.5 V6 <b>Eng. AR019.28</b> 2492 cc.	88	119280330001 60523548 119280330101 60523550	IN EX	<b>R3961/RCR</b> <b>R3962/RCR</b>	41 36.5	9 9	107.5 94.5	EE EE	45° 45°
1984  1992	V6 V6	Alfa 6 2.5 ie V6 <b>Eng. AR019.28</b> Alfa 155 ie 2.5 V6 <b>Eng. 673.01/02</b> 2492 cc.	88 88	119280330001 60523548 119280330101 60523550	IN EX	<b>R3961/RCR</b> <b>R3962/RCR</b>	41 36.5	9 9	107.5 94.5	EE EE	45° 45°
1997	V6	Alfa 156 2.5i V6 24V Alfa 166 2.5i V6 24V <b>Eng. AR32401-AR34201</b> 2492 cc.	88	60582738 60582739	IN EX	<b>R6081/RCR</b> <b>R6082/RARCR</b>	33.5 29	7 7	102 102.2	I I	45° 45°
1987	6	Alfa 164 3.0 12V QV Alfa 164 3.0 ie V6 12V <b>Eng. M624AA30.A</b> Alfa 75 3.0 V6 <b>Eng. M624AB30.A</b> 2959 cc.	93								

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
71739350	<b>G11379</b> <b>G11380</b>	IN/EX	36	6	10.04 10.09	G	L
	<b>GS11379</b>	IN/EX	36	6	10.04	S M	L
60562594	<b>G3130</b>	IN	40.5	7	12.07 12.12	B	C.I.
60562595	<b>G3131</b> <b>G3134</b> <b>G3135</b>	EX	40.5	7	12.07 12.12	G	C.I.
119130150302	<b>G2042</b> <b>G2043</b>	IN	49	9	14.05 14.10	B	C.I.
60737369	<b>G3122</b> <b>G3123</b>	EX	42.5	9	14.07 14.12	G	C.I.
60605739	<b>G11013</b> <b>G11014</b>	IN	48.5	9	14.06 14.11	G	C.I.
60737369	<b>G3122</b> <b>G3123</b>	EX	42.5	9	14.07 14.12	G	C.I.
60612839	<b>G11016</b> <b>G11017</b>	IN	38	7	12.06 12.11	G	C.I.
60612835	<b>G11005</b> <b>G11006</b>	EX	43	7	12.07 12.11	G	C.I.
605005940	<b>G3098</b> <b>G3099</b>	IN	49	9	14.07 14.12	G	C.I.
60810438	<b>G11009</b> <b>G11010</b>	IN	48.5	9	14.05 14.10	B	C.I.
60737369	<b>G3102</b> <b>G3103</b>	EX	42.5	9	14.07 14.12	G	C.I.
60810435	<b>G11011</b> <b>G11012</b>	EX	42	9	14.06 14.11	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60507563 60810675 60664980	<b>PI 06-0014</b>	I
60507563 60810675 60664980	<b>PI 06-0014</b>	I


**NOTE  
remarks**
**ALFA ROMEO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993	V6	Alfa 164 3.0 ie V6 24V <b>Eng. AR643.07</b>	93	60560643	IN	<b>R4610/BM</b>	35.7	7	102.1	I	45°
1998	V6	Alfa 166 3.0 ie V6 24V <b>Eng. AR343.01</b> <b>Eng. AR361.01</b>		55186770 60560644	EX	<b>R4611/BMARCR</b>	31.2	7	102.6	I	45°
1993	V6	Spider 3.0 ie V6 24V <b>Eng. AR161.05</b>									
1984	V6	GTV 3.0 ie V6 24V <b>Eng. AR161.02/05</b>									
2002	V6	Alfa 147 3.2 ie V6 24V									
2002	V6	Alfa 156 3.2 ie V6 24V <b>Eng. 932A.000</b>									
2003	V6	Alfa 166 3.2 ie V6 24V									
2003	V6	GT 3.2 ie V6 24V <b>Eng. 936A.000</b>									
2003	V6	GTV 3.2 ie V6 24V									
2003	V6	Spider 3.2 ie V6 24V <b>Eng. 936A.000</b> <b>Eng. 936A6.000</b>									
		3179 cc.									

## ALFA ROMEO DIESEL

2008	4	MiTo 1.3 JTDM	69.6	55204574	IN	<b>R6636/SCR</b>	22.45	6	109.2	I	45°
		<b>Eng. 199A3.000</b>		46518930	IN	<b>R6304/SCR</b>	21.9	6	109.2	I	45°
		<b>Eng. 199B1.000</b>		46518931	EX	<b>R6305/BMCR</b>	21.9	6	109.2	I	45°
		1248 cc.		55223836	EX	<b>R6640/BMCR</b>	22.5	6	109.2	I	45°
2008	4	MiTo 1.6 JTDM 16V	79.5	55205125	IN	<b>R6590/SCR</b>	26.6	5	114.4	I	45°
		<b>Eng. 198A2000</b> <b>Eng. 955A3.000</b>		55207955	EX	<b>R6388/BMCR</b>	24.5	5	114.4	I	45°
2015 <b>NEW</b>	4	Giulietta 1.6 JTDM 16V	79.5	55261262	IN	<b>R6867/SCR</b>	26.6	5	114.4	I	45°
		<b>Eng. 940C1.000</b> <b>Eng. 940C5.000</b>		55207955	EX	<b>R6388/BMCR</b>	24.5	5	114.4	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
60612839	<b>G11003</b>	IN	38	7.01	12.06	B	C.I.
	<b>G11004</b>				12.11		
60612835	<b>G11005</b>	EX	43	7.01	12.07	G	C.I.
	<b>G11006</b>				12.12		
46816601	<b>G11310</b>	IN/EX	43	6.02	10.03	G	L-X
46816602	<b>G11311</b>				10.07		
	<b>GS11310</b>	IN/EX	43	6.02	10.03	SM	L-X
55210016	<b>G11481</b>	IN/EX	46.7	5	10.03	G	L
55210015	<b>G11482</b>				10.06		
	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L
55210016	<b>G11481</b>	IN/EX	46.7	5	10.03	G	L
55210015	<b>G11482</b>				10.06		
	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
60507563	<b>PI 06-0014</b>	I
60810675		
60664980		
46475925	<b>PI 06-0019</b>	I
73501138	<b>RA06-900</b>	
46475925	<b>PI 06-0019</b>	I
55186463	<b>RA06-933</b>	
46475925	<b>PI 06-0019</b>	I
55186463	<b>RA06-933</b>	






 NOTE  
remarks

ALFA ROMEO

ALFA ROMEO DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1997	4	Alfa 156 1.9 JTD 8V <b>Eng. AR323.02</b> <b>Eng. AR371.09</b> <b>Eng. 937A2000</b>	82	46750859 55193126 46478834 46416321	IN EX	<b>R4941/BMCR</b> <b>R4943/BMCR</b>	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
1998		Alfa 145 - 146 1.9 JTD <b>Eng. AR323.02</b>		46783962							
1999		Alfa 147 1.9 JTD <b>Eng. 937A2000</b> <b>Eng. 182B9000</b>									
2005		Alfa 147 1.9 JTD <b>Eng. 937A3000</b>									
2005		159 1.9 JTD <b>Eng. 939A1000</b> 1910 cc.									
1997	5	Alfa 156 2.4 JTD 10V <b>Eng. AR325.01</b> <b>Eng. 839A6000</b>	82	46750859 55193126 46478834	IN EX	<b>R4941/BMCR</b> <b>R4943/BMCR</b>	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
1997		Alfa 166 2.4 JTD 10V <b>Eng. AR342.02</b> <b>Eng. 839A6000</b>		46416321 46783962							
2002		Alfa 1562.4 JTD 10V <b>Eng. 841C000</b> 2387 cc.									
2002	4	Alfa147 1.9 JTDM 16V	82	55195535	IN	<b>R6203/SCR</b>	28	6	114.40	I	45°
2003		Alfa 155 1.9 JTDM 16V <b>Eng. 192A5000</b> <b>Eng. 937A4000</b>		46802049 46787902	EX	<b>R6204/BMCR</b>	26	6	114.40	I	45°
2004		GT 1.9 JTDM 16V Alfa 147 1.9 JTDM 16V <b>Eng. 937A5000</b>									
2005		159 1.9 JTDM 16V <b>Eng. 939A2000</b> 1910 cc.									
07/2006	4	159 1.9 JTDM 16V <b>Eng. 939A2000</b> 1910 cc.	82	55206431 55205183	IN EX	<b>R6387/SCR</b> <b>R6388/BMCR</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
2003	5	Alfa 159 2.4 JTDM 20V <b>Eng. 939A3000</b> Alfa 166 2.4 JTM 20V <b>Eng. 936B000</b>	82	55195535 46802049 46787902	IN EX	<b>R6203/SCR</b> <b>R6204/BMCR</b>	28 26	6 6	114.40 114.40	I I	45° 45°
2006		Brera 2.4 JTDM 20V <b>Eng. 939A3000</b> 2387 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
60813598 60813599	<b>G11000</b> <b>G11018</b> <b>G11019</b>	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	<b>GS11000</b>	IN/EX	43	8.02	14.03	SM	C.I.
60813598 60813599	<b>G11000</b> <b>G11018</b> <b>G11019</b>	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	<b>GS11000</b>	IN/EX	43	8.02	14.03	SM	C.I.
55186786	<b>G11302</b> <b>G11303</b>	IN/EX	47	6.02	11.03 11.06	G	C.I.
	<b>GS11302</b>	IN/EX	47	6.02	11.03	SM	C.I.
55210016 55210015	<b>G11481</b> <b>G11482</b>	IN/EX	46.7	5	10.03 10.06	G	L
	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L
55186786	<b>G11302</b> <b>G11303</b>	IN/EX	47	6.02	11.03 11.06	G	C.I.
	<b>GS11302</b>	IN/EX	47	6.02	11.03	SM	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
46475925 46764765	<b>PI 06-0019</b> <b>RA06-903</b>	I
55200333	<b>RA06-901</b>	
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
46475925 55200333	<b>PI 06-0019</b> <b>RA06-901</b>	I
55186463	<b>RA06-933</b>	






**NOTE  
remarks**

	<b>RA06-903</b> 55X17R17X10 <b>RA06-901</b> 57X17R17X10
	<b>RA06-901</b> 57X17R17X10 <b>RA06-933</b> L 53 mm

**ALFA ROMEO DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2005 2006 2007	5	Alfa 159 2.4 JTDM 20V Brera 2.4 JTD 20V Spider 2.4 JTD 20V <b>Eng. 939A3000</b> <b>Eng. 939A9000</b>	82	55190248 55190249	IN EX	<b>R6601/SCR*</b> <b>R6602/BMCR*</b>	27.9 24.9	5 5	114.2 114.2	I I	45° 45°
2006		Alfa 166 2.4 JTD 20V <b>Eng. 936B000</b> <b>Up to eng. 5553217</b> 2387 cc.									
07/2006	5	Alfa 159 2.4 JTDM Alfa 166 2.4 JTDM Brera 2.4 JTDM Spider 2.4 JTD 20V <b>From eng. 5553218</b> <b>Eng. 939A9000</b> 2387 cc.	82	55206431 55205183	IN EX	<b>R6387/SCR*</b> <b>R6388/BMCR*</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
2009	4	Alfa 159 2.0 JTDM 16V <b>Eng. 939B3000</b> 1956 cc.	83	55206431 55207955	IN EX	<b>R6387/SCR*</b> <b>R6388/BMCR*</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
2010 <b>NEW</b>	4	Giulietta 2.0 JTDM 16V <b>Eng. 940A8.000</b> <b>Eng. 940A5.000</b> <b>Eng. 940A4.000</b> 1956 cc.	83	55206431 55207955	IN EX	<b>R6387/SCR*</b> <b>R6388/BMCR*</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
2013	4	Giulietta 2.0 JTDM 16V <b>Eng. 940B4.000</b> 1956 cc.	83	55261261 55207955	IN EX	<b>R6868/SCR</b> <b>R6388/BMCR*</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
2016 2016	4	Giulia 2.2 D Stelvio 2.2 D <b>Eng. 55266388</b> <b>55268532-55268818</b> <b>55271040-55271838</b> 2143 cc.	83	55261261 55207955	IN EX	<b>R6868/SCR</b> <b>R6388/BMCR*</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
1996 1992/97	4	Alfa 145 - 146 1.9 TD <b>Eng. AR336.01</b> Alfa 155 1.9 TD <b>Eng. AR336.01</b> <b>Eng. AR675.01</b> 1929 cc.	82.6	60808694 7547158 60808695 7588577	IN EX	<b>R4627/RCR</b> <b>R4626/RCR</b>	37.5 33.5	8 8	116.5 116.5	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
4250803 4372160	<b>G2265</b> <b>G2266</b>  <b>GS2265</b>	IN/EX IN/EX	46.5 46.5	8.03 8.03	14.06 14.11 14.06	G SM	C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
4152447	<b>PI 03-102</b>	M


**NOTE  
remarks**

**\*R6601/SCR**  
Retainer s.e. 5.8 mm  
**\*R6602/BMCR**  
Retainer s.e. 6.5 mm

**\*R6387/SCR**  
Retainer s.e. 4.9 mm  
**\*R6388/BMCR**  
Retainer s.e. 5.9 mm

**\*R6387/SCR**  
Retainer s.e. 4.9 mm  
**\*R6388/BMCR**  
Retainer s.e. 5.9 mm

**\*R6387/SCR**  
Retainer s.e. 4.9 mm  
**\*R6388/BMCR**  
Retainer s.e. 5.9 mm

**\*R6388/BMCR**  
Retainer s.e. 5.9 mm

**\*R6388/BMCR**  
Retainer s.e. 5.9 mm

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983/93	4	Alfetta - Giulietta 2.0 TD <b>Eng. VM HR488HT/2</b>	88	116760330001	IN	<b>R3598/RCR</b>	40	8	121	E	35°
		Alfa 75 2.0 TD <b>Eng. VM 80A</b>		20360026	EX	<b>R3599/RCR</b>	34	8	121	E	45°
	5	Alfa 6 2.5 TD <b>Eng. VMHR588HT/2</b>	92	60507189							
	3	Alfa 33 TD <b>Eng. VMRT392 TURBO</b>		116760330101							
4	Alfa 75 - 90 2.4 TD <b>Eng. VM492HT</b>		20370025								
		Alfa 164 TD <b>Eng. VMHR494.4 T</b>		195590330100							
		Alfa 155 - 164 2.5 TD <b>Eng. VM07B - 08B</b>									
		2500 cc.									
<b>AUDI</b>											
1974/77	4	50 LS - GLS - GL 1093 cc.	69.5	052 109 601	IN	<b>R3477/S</b>	31.5	8	104	EE	45°
				052 109 611	EX	<b>R3478/R</b>	28	8	104	EE	45°
2011	4	A1 1.2 TFSI A3 1.2 TFSI <b>Eng. CBZA-CBZB</b>	71	03F 109 601A	IN	<b>R6718/S</b>	35.5	6	98.65	I	45°
				03F 109 611B	EX	<b>R6719/RCR</b>	30	6	98.35	I	45°
		1197 cc.		03F 109 611C							
2013 <b>NEW</b>	4	A3 1.2 TFSI 16V <b>Eng. CJZA-CJZB-CYVB</b>	71	04E109601A	IN	<b>R6837/S</b>	26.45	5	110.3	I	45°
				04E109611K	EX	<b>R6838/RCR</b>	23.46	5	110	I	30°
		1197 cc.									
2016 <b>NEW</b>	3	A3 1.0 TFSI 12V <b>Eng. CHZD</b>	74.5	04E109601B	IN	<b>R6839/S</b>	28.43	5	110.20	I	45°
				04E109611J	EX	<b>R6840/RCR</b>	29.43	5	110.20	I	60°
		999 cc.									
2012 <b>NEW</b>	4	A3 1.4 TFSI 16V <b>Eng. CHPB-CMBA-CPTA</b>	74.5	04E109601B	IN	<b>R6839/S</b>	28.43	5	110.20	I	45°
				04E109611J	EX	<b>R6840/RCR</b>	29.43	5	110.20	I	60°
		1395 cc.									
2013 <b>NEW</b>	4	A3 1.4 TFSI g-tron <b>Eng. CPWA</b>	74.5	04E109601P	IN	<b>R8032/SARNT</b>	28.50	5	110.26	I	45°
				04E109611AC	EX	<b>R8033/BMARNT</b>	24.97	5	110.11	I	30°
		1395 cc		04E109611AJ							

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
20380025A	<b>G3126</b> <b>G3127</b>	IN/EX	55	8	14.07 14.12	G	L
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45	5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45	5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45	5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11617</b> <b>G11618</b>	IN/EX	45	5	10.06 10.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
03F109411 030 109 423	<b>RA06-971</b> <b>PI 06-0008</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
04E109411H 04E109423C	<b>RA06-959</b> <b>PI 06-0056</b>	I
04E109411L 04E109411H 04E109423C	<b>RA06-980*</b> <b>RA06-959</b> <b>PI 06-0056</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I


**NOTE**  
remarks

**RA06-980\***  
ONLY Eng. CPTA  
CZEA

**ALFA ROMEO DIESEL**
**AUDI**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2018 <b>NEW</b>	4	Q3 1.5 TFSI <b>Eng. DADA -DPCA</b> EA211EVO Turbo 1495 cc.	74.5	04E109601AB 05E109611B	IN EX	<b>R6996/S</b> <b>R6997/BMNT</b>	28.95 25	5 5	112.70 110.2	I I	45° 30°
1972/81	4	80 L 1296 cc. 80 GL 1470 cc. 80 GT - 100 GL - L 1588 CC. 80 LS - S 1470 cc. 80 LS - GLS - S 100 GL - L 1588 cc.	75	056 109 601C 056 109 601A	IN	<b>R3536/S</b>	34	8	98.5	EE	45°
				056 109 611A 049 109 611G	EX	<b>R3537/R</b>	31	8	98.5	EE	45°
			76.5								
1981/84	4	80 C - CL - GL - CC 1296 cc. 80 CL Formel E 100 C - CL - GL Formel E 1588 cc.	75	049 109 601F 049 109 611F	IN EX	<b>R3728/S</b> <b>R3729/R</b>	34 31	8 8	98.5 98.5	I I	45° 45°
			79.5								
2000	4	A2 1.4 i 16V <b>Eng. AUA-BBY</b> 1390 cc.	76.5	036 109 601S 036 109 611K	IN EX	<b>R6013/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
2002	4	A2 1.6 FSI 16V <b>Eng. BAD</b> 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
2002	4	A3 1.6 FSI 16V <b>Eng. BAG-BLF-BLP</b> 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
1981/82	5	80 Coupè GT5S - CD5E 100 C5 - CL5 - GL5 100 Avant 1921 cc. 100 GL5S - CD5E 100 Avant - 200 5e 2144 cc.	79.5	035 109 601C 035 109 611F	IN	<b>R4111/S</b>	38	8	98.5	I	45°
					EX	<b>R4202/RCR</b>	33	8	98.5	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	<b>G3061</b> <b>G3062</b>	EX	42.3	8	12.06 12.11	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
049 103 419	<b>G3061</b> <b>G3062</b>	IN/EX	42.3	8	12.06 12.11	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>RA06-980</b> <b>PI 06-0056</b>	I
059109521C 036 109 411C 036 109 411D 036 109 411	<b>PI 06-0008</b> <b>RA06-938</b>	I
059109521C 036 109 411C 036 109 411D 036 109 411	<b>PI 06-0008</b> <b>RA06-938</b>	I
059 109 521C 036 109 411C 036 109 411D 036 109 411 036 109 411E 036 109 411G 036 109 411H 036 109 411J	<b>PI 06-0008</b> <b>RA06-938</b>  <b>RA06-948</b>	I


**NOTE**  
remarks

**AUDI**
**RA06-938**  
Only Eng. BAG

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983	5	100 2144 cc.	79.5	035 109 601G	IN	<b>R4115/S</b>	38	8	91		45°
	4	80 CLE 1781 cc.	81	026 109 611A	EX	<b>R4116/R</b>	33.1	8	91		45°
1990	4	80 <b>Eng. ABB</b> 1595 cc.	81	048 109 601A	IN	<b>R4643/SCR</b>	39.5	8	91.9		45°
		053 109 611		EX	<b>R4642/BMARCR</b>	33.2	8	91.2		45°	
9/2000	4	A3 1.6 i <b>Eng. AVU-BGU-BSE</b> <b>Eng. BSF</b> 1595 CC.	81	06B 109 601D	IN	<b>R6155/S</b>	39.4	6	94		45°
		06B 109 611C		EX	<b>R6156/BM</b>	33	6	94		45°	
2000	4	A4 1.6 i <b>Eng. ALZ-BSE-BSF</b> 1595 cc.	81	06B 109 601D	IN	<b>R6155/S</b>	39.4	6	94		45°
		06B 109 611C		EX	<b>R6156/BM</b>	33	6	94		45°	
1981/86	4	80 Coupè GL 1781 cc.	81	035 109 601C	IN	<b>R4111/S</b>	38	8	98.5		45°
		049 109 611F		EX	<b>R3729/R</b>	31	8	98.5		45°	
1982/83	4	80 CL - GL - Formel E 80 CC - CD Coupè <b>Eng. DR</b> 1781 cc.	81	035 109 601C	IN	<b>R4111/S</b>	38	8	98.5		45°
		035 109 611F		EX	<b>R4202/R</b>	33	8	98.5		45°	
1983/84	4	80 GTE - GTE Quattro 1781 cc.	81	026 109 601	IN	<b>R4201/XBCR</b>	40	8	98.5		45°
		035 109 611F		EX	<b>R4202/R</b>	33	8	98.5		45°	
1985/86	4	80 GTE Quattro 100 AVANT - Quattro <b>Eng. DX</b> 1781 cc.	81	026 109 601C	IN	<b>R4521/R</b>	40	8	91		45°
		026 109 611A		EX	<b>R4116/R</b>	33.1	8	91		45°	
1986/87	4	80 - 90 80 - 90 Quattro 1781 cc.	81	026 109 601C	IN	<b>R4521/R</b>	40	8	91		45°
		053 109 611		EX	<b>R4642/BMARCR</b>	33.2	8	91.2		45°	

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	<b>G2664</b>	IN	36.5	8	12.06	B	C.I.-F
	<b>G2665</b>				12.11		
	<b>G2666</b>				12.16		
049 103 419	<b>G3061</b>	EX	42.3	8	12.06	B	C.I.-F
	<b>G3062</b>				12.11		
056 103 419A	<b>G2664</b>	IN/EX	36.5	8	12.06	B	C.I.-F
	<b>G2665</b>				12.11		
	<b>G2666</b>				12.16		
	<b>G11384</b>	IN/EX	36.5	5.98	12.06	B	C.I.
	<b>G11385</b>				12.11		
	<b>G11384</b>	IN/EX	36.5	5.98	12.06	B	C.I.
	<b>G11385</b>				12.11		
049 103 419	<b>G2665</b>	EX	42.3	8	12.11	B	C.I.-F
	<b>G3061</b>				12.06		
	<b>G3062</b>				12.11		
056 103 419A	<b>G2664</b>	IN	36.5	8	12.06	B	C.I.-F
	<b>G2665</b>				12.11		
049 103 419	<b>G3061</b>	EX	42.3	8	12.06	B	C.I.-F
	<b>G3062</b>				12.11		
056 103 419A	<b>G2664</b>	IN	36.5	8	12.06	B	C.I.-F
	<b>G2665</b>				12.11		
049 103 419	<b>G3061</b>	EX	42.3	8	12.06	B	C.I.-F
	<b>G3062</b>				12.11		
056 103 419A	<b>G2664</b>	IN	36.5	8	12.06	B	C.I.-F
	<b>G2665</b>				12.11		
049 103 419	<b>G3061</b>	EX	42.3	8	12.06	B	C.I.-F
	<b>G3062</b>				12.11		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
022 109 423A 06B 109 417C	<b>PI 06-0019</b> <b>RA06-943</b>	I
022 109 423A 06B 109 417C	<b>PI 06-0019</b> <b>RA06-943</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


 NOTE  
remarks

AUDI

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983/91	4	80 CC - CD Quattro <b>Eng. DTA</b> 1595 cc. 80 CC - CD - Quattro 100 CC - CD Avant 100 Quattro Avant <b>Eng. DZ</b> 1781 cc. 90 100 CC - CD - Avant <b>Eng. KZ</b> 1994 cc. 90 2.2E 90 Quattro Coupè 200 <b>Eng. KV</b> 2226 cc.	81	035 109 601G 048 109 611A 026 109 611A	IN EX EX	<b>R4115/S</b> <b>R4642/BMARCR</b> <b>R4116/R</b>	38	8	91	I	45°
							33.2	8	91.2	I	45°
							33.1	8	91	I	45°
1987/88	5	80 - 90 -100 90 Quattro - 100 Avant 1994 cc.	81	026 109 601C 053 109 611	IN EX	<b>R4521/R</b> <b>R4642/BMARCR</b>	40	8	91	I	45°
							33.2	8	91.2	I	45°
1988/91	5	80 - 90 Quattro 20V <b>Eng. NM</b> 1994 cc.	81	027 109 601C 027 109 611B	IN EX	<b>R4294/R</b> <b>R4295/BMARCR</b>	32	7	95.5	EE	45°
							28	7	98.2	EE	45°
1991/94 1994/97		S4 2.0 Turbo 20V S6 2.2 i Turbo 20V <b>Eng.AAN 20V</b> 2226 cc.									
1983/86	5	90 E - Coupè GT 100 Avant <b>Eng. KP</b> 1994 cc. 200 <b>Eng. WC</b> 2144 cc.	81	035 109 601C 035 109 611F	IN EX	<b>R4111/S</b> <b>R4202/BMARCR</b>	38	8	98.5	I	45°
							33	8	98.5	I	45°
1986/88	4	80 S 1595 cc. 80 - 90 - 100 Avant 80 - 90 - 100 Quattro	81	035 109 601J 035 109 601K 053 109 611	IN EX	<b>R4641/SCR</b> <b>R4642/BMARCR</b>	38	8	91.9	I	45°
							33.2	8	91.2	I	45°
1987/88	5	1781 cc. 80 - 90 - 100 Avant 80 - 90 - 100 Quattro 2226 cc.									
1994	4	A3 1.6 i <b>Eng. AEK-AKL-APF</b> 1595 cc.	81	078 109 601B 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5	7	91.9	I	45°
							32.9	7	91.2	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A 049 103 419	<b>G2664</b> <b>G2665</b> <b>G2666</b> <b>G3061</b> <b>G3062</b>	IN EX	36.5 42.3	8 8	12.06 12.11 12.16 12.06 12.11	B B	C.I.-F C.I.-F
056 103 419A 049 103 419	<b>G2664</b> <b>G2665</b> <b>G3061</b> <b>G3062</b>	IN EX	36.5 42.3	8 8	12.06 12.11 12.06 12.11	B B	C.I.-F C.I.-F
027 10 3419	<b>G3504</b> <b>G3505</b>	IN/EX	38	7	12.07 12.12	B	C.I.-F
056 103 419A 049 103 419	<b>G2664</b> <b>G2665</b> <b>G3061</b> <b>G3062</b>	IN EX	36.5 42.3	8 8	12.06 12.11 12.06 12.11	B B	C.I.-F C.I.-F
056 103 419A 049 103 419	<b>G2664</b> <b>G2665</b> <b>G3061</b> <b>G3062</b>	IN EX	36.5 42.3	8 8	12.06 12.11 12.06 12.11	B B	C.I.-F C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


**NOTE**  
remarks

**AUDI**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994	4	A4 1.6 i <b>Eng. ADP - AHL - ARM</b> 1595 cc.	81	078 109 601B 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5	7	91.9	I	45°
							32.9	7	91.2	I	45°
1996	4	A3 1.8 i 20V <b>Eng. AGN-AGP</b> 1780 cc.	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°
1996	4	A3 1.8 i Turbo 20V <b>Eng. AGU-AQA</b> 1780 cc.	81	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°
1998	4	A3 1.8 i Turbo 20V <b>Eng. AJQ-APP-ARY-AUQ</b> 1780 cc.	81	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°
1999	4	A3 1.8 Turbo 20V <b>Eng. ARX-AUM</b> 1781 cc.	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°
1994	4	A3 1.8 i 20V <b>Eng. AFY-ADR-APT</b> 1780 cc.	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°
1994	4	A4 1.8 i Turbo 20V <b>Eng. AEB-AJL-AWT</b> <b>Eng. AVJ-AMB-BFB-BEX</b> 1780 cc.	81	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°
1998	4	S3 1.8 i Turbo 20V <b>Eng. AMK-APX-APY-BAM</b> 1780 cc.	81	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°
1998	4	TT 1.8 i Turbo 20V <b>Eng. BAM-AJQ-APP-APX</b> <b>Eng. ARY-AUQ</b> 1780 cc.	81	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°
2002	4	TT 1.8 i Turbo 20V <b>Eng. AUM</b> 1781 cc.	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°
1997	V6	A4 2.4 i V6 30V <b>Eng. AGA-AJG-ALF</b> <b>Eng. APS-APZ</b> 2393 cc.	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9	6	105.1	I	45°
							29.8	6	103.9	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I

NOTE remarks
<b>*R4853/BMARCR</b> Retainer stem end 3.40 mm
<b>*R6189/BMARCR</b> Retainer stem end 5.00 mm
<b>*R6189/BMARCR</b> Retainer stem end 5.00 mm
<b>*R4853/BMARCR</b> Retainer stem end 3.40 mm
<b>*R4853/BMARCR</b> Retainer stem end 3.40 mm
<b>*R6189/BMARCR</b> Retainer stem end 5.00 mm
<b>*R6189/BMARCR</b> Retainer stem end 5.00 mm
<b>*R6189/BMARCR</b> Retainer stem end 5.00 mm
<b>*R4853/BMARCR</b> Retainer stem end 3.40 mm
<b>*R4853/BMARCR</b> Retainer stem end 3.40 mm

**AUDI**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1997	V6	S4 2.7 i V6 Turbo 30V <b>Eng. AGB</b> 2671 cc.	81	058 109 601C	IN	<b>R4852/SARCR</b>	26.9	6	105.1	I	45°
				058 109 611M	EX	<b>R4853/BMARCR*</b>	29.8	6	103.9	I	45°
2004	V6	A6 2.4 V6 <b>Eng. BDW</b> 2393 cc.	81	06E 109 601H	IN	<b>R6581/SCR</b>	32.3	6	104	I	45°
				06D 109 611L	EX	<b>R6207/BMCR</b>	28	6	102	I	45°
2000/05	V6	Allroad 2.7 i Turbo 24V <b>Eng. ARE</b> 2671 cc.	81	058 109 601C	IN	<b>R4852/SARCR</b>	26.9	6	105.1	I	45°
				058 109 611E	EX	<b>R6189/BMARCR*</b>	29.8	6	103.9	I	45°
1988/94	V8	V8 3.6 i 32V <b>Eng. PT</b> 3562 cc.	81	027 109 601C	IN	<b>R4294/R</b>	32	7	95.5	EE	45°
				027 109 611B	EX	<b>R4295/BMARCR</b>	28	7	98.2	EE	45°
1991/94	V8	V8 4.2 i 32V									
1992/94	V8	S4 4.2 i V8 32V <b>Eng. ABH</b> 4172 cc.									
2008	4	TT 1.8 TFSI A3 1.8 TFSI <b>Eng. CDAA</b> 1798 cc.	82.5	06D 109 601M	IN	<b>R6580/SCR</b>	34	6	104	I	45°
				06D 109 611L	EX	<b>R6207/BMCR</b>	28	6	102	I	45°
2012	4	A3 1.8 TFSA	82.5	06L109601	IN	<b>R6900/SCR</b>	33.85	6	104	I	45°
2011		A4 1.8 TFSI		06D 109 611L	EX	<b>R6207/BMCR</b>	28	6	102	I	45°
		A5 1.8 TFSI									
2015 <b>NEW</b>		TT 1.8 TFSI									
1994/97	4	A6 2.0 i <b>Eng. AAE</b> 1984 cc.	82.5	048 109 601A	IN	<b>R4643/SCR</b>	39.5	8	91.9	I	45°
				053 109 611	EX	<b>R4642/BMARCR</b>	33.2	8	91.2	I	45°
2002	4	A4 2.0 FSI 16V <b>Eng. AWA</b>	82.5	06D 109 601K	IN	<b>R6206/S</b>	34	6	104	I	45°
2003		A3 2.0 FSI 16V <b>Eng. AXW-BMB-BLX</b> <b>Eng. BLY-BLR</b> 1984 cc.		06E 109 601E	EX	<b>R6207/BMCR</b>	28	6	102	I	45°
2006	4	A4 2.0 FSI 16V <b>Eng. BYK</b> 1984 cc.	82.5	06D 109 601K	IN	<b>R6206/S</b>	34	6	104	I	45°
				06E 109 601E	EX	<b>R6207/BMCR</b>	28	6	102	I	45°
2008	4	A3 2.0 TSFI 16V A4 2.0 TSFI 16V A5 2.0 TSFI 16V <b>Eng. CAWB-CAEA</b> <b>Eng. CDN-CAZA</b> <b>Eng. CAZB</b> 1984 cc.	82.5	06D 109 601M	IN	<b>R6580/SCR</b>	34	6	104	I	45°
				06D 109 611H	EX	<b>R6207/BMCR</b>	28	6	102	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
027 10 3419	<b>G3504 G3505</b>	IN/EX	38	7	12.07 12.12	B	C.I.-F
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
056 103 419A	<b>G2664 G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	<b>PI 06-0019 RA06-945</b>	I
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	<b>PI 06-0019 RA06-945</b>	I
034 109 309N	<b>PI 06-0001</b>	I
022 109 423A 06E 109 417A	<b>PI 06-0019 RA06-944</b>	I
022 109 423A 06E 109 417A	<b>PI 06-0019 RA06-944</b>	I
022 109 423A 06E 109 417 06E 109 417E 06J 109 417	<b>PI 06-0019 RA06-945</b>	I






**NOTE  
remarks**
**\*R4853/BMARCR**  
Retainer  
stem end 3.40 mm

**\*R6189/BMARCR**  
Retainer  
stem end 5.00 mm

**AUDI**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2013	4	A5 2.0 TSFI 16V <b>Eng. CAED</b> 1984 cc.	82.5	06D 109 601M 06D 109 611H	IN EX	<b>R6580/SCR</b> <b>R6207/BMCR</b>	34 28	6 6	104 102	I I	45° 45°
11/2012 2013 2014 2012 <b>NEW</b>	4	A3 2.0 TSFI 16V A4 2.0 TSFI 16V A5 2.0 TSFI 16V Q3 2.0 TSFI 16V Q5 2.0 TSFI 16V <b>Eng. CHHB-CJXC</b> <b>CULB-CULC-CNCD</b> 1984 CC.	82.5	06L 109601 06D 109 611L	IN EX	<b>R6900/SCR</b> <b>R6207/BMCR</b>	33.85 28	6 6	104 102	I I	45° 45°
2016 <b>NEW</b>	4	A3 2.0 TSFI 16V <b>Eng. DKZA</b> 1984 cc.	82.5	06L 109 601C 06L 109 611	IN EX	<b>R6994/S</b> <b>R6995/BMCR</b>	32.06 28	6 6	105 102.85	I I	45° 45°
2016 <b>NEW</b>	4	A4 2.0 TFSI g-tron A5 2.0 TFSI g-tron <b>Eng. CVLA</b> 1984 cc.	82.5	06L109601E 06L109611B	IN EX	<b>R8039/SARNT</b> <b>R8040/BMARNT</b>	32.09 28	6 6	105 102.9	I I	30° 30°
1993/94 1994/97	4	80 - 100 Avant A6 2.0 i 16V <b>Eng. ACE 16V</b> 1998 cc.	82.5	051 109 601B 051 109 611B	IN EX	<b>R4808/S</b> <b>R4809/R</b>	32 27	7 7	95.8 98	I I	45° 45°
1986/88	4 5	80 1.8 80 Quattro 1.8 <b>Eng. SD</b> 80 1.9E - 1.9E Quattro 1847 cc. 90 2.3E - 2.3E Quattro 100 - 100 Avant Quattro 2309 cc.	82.5	026 109 601C 053 109 611 026 109 611A	IN EX EX	<b>R4521/R</b> <b>R4642/BMARCR</b> <b>R4116/R</b>	40 33.2 33.1	8 8 8	91 91.2 91	I I I	45° 45° 45°
1988/91	4 5	80 Quattro <b>Eng. 6A 16V</b> 1984 cc. 90 2.3 20V 90 2.3 Quattro 20V <b>Eng. 7A</b> 2308 cc.	82.5	027 109 601C 027 109 611B	IN EX	<b>R4294/R</b> <b>R4295/BMARCR</b>	32 28	7 7	95.5 98.2	EE EE	45° 45°
1990 1994/96	5 5	100 2.3E Avant A6 2.3 i <b>Eng. AAR</b> 2308 cc.	82.5	069 109 601F 053 109 611	IN EX	<b>R4483/SCR</b> <b>R4642/BMARCR</b>	36 33.2	8 8	95 91.2	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
051 103 419	<b>G3561 G3592 G11253* G11254*</b>	IN/EX IN/EX	35 35	7 7	12.07 12.12 12.07 12.12	B B	C.I.-F C.I.
056 103 419A	<b>G2664 G2665</b>	IN	36.5	8	12.06 12.11	B	C.I.-F
049 103 419	<b>G3061 G3062</b>	EX	42.3	8	12.06 12.11	B	C.I.-F
027 10 3419	<b>G3504 G3505</b>	IN/EX	38	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664 G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
022 109 423A	<b>PI 06-0019 RA06-946</b>	I
	<b>PI 06-0019</b>	I
06E 109 417AA	<b>PI 06-0019 RA06-992</b>	I
	<b>PI 06-0019 RA06-992</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


**NOTE  
remarks**
**G11253\***  
VERSIONE  
LISCIA

**AUDI**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1990/94	4	80 2.0E - Quattro <b>Eng. ABK - ABT</b> 100 2.0E - Avant <b>Eng. AAE</b> 100 2.3E - Avant <b>Eng. AAD</b>	82.5	048 109 601A 053 109 611	IN EX	<b>R4643/SCR</b> <b>R4642/BMARCR</b>	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1994	4  V6	A6 2.0 i <b>Eng. ABK</b> 1984 cc. 100 2.8E-Avant Quattro <b>Eng. AAH</b> 2771 cc.									
1994	V6	A4 2.6E-A6 Avant 2.6E <b>Eng. ABC</b> 2598 cc. A4 2.8E -A6 Avant 2.8E <b>Eng. AAH</b> 2770 cc.	82.5	048 109 601A 053 109 611	IN EX	<b>R4643/SCR</b> <b>R4642/BMARCR</b>	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1994	V6	A6 2.6E - Avant A6 2.6E - Quattro <b>Eng. ABC</b> 2598 cc. A6 2.8 i E A6 2.8 i E - Quattro A8 2.8 <b>Eng. AAH</b> 2771 cc.	82.5	078 109 601B 078 109 611C	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1996	V6	A4 2.8 i V6 30V <b>Eng. ACK-ALG-AHA</b> <b>Eng. APR-AQD</b> 2771 cc.	82.5	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9 29.8	6 6	105.1 103.9	I I	45° 45°
2004/06	V6	A6 3.0 i V6 30V <b>Eng. ASN-BBJ</b> 2976 cc.	82.5	058 109 601C  058 109 611M	IN  EX	<b>R4852/SARCR</b>  <b>R4853/BMARCR*</b>	26.9  29.8	6  6	105.1  103.9	I  I	45°  45°
2003	V6	TT 3.2i V6 24V <b>Eng. BHE-BUB</b> 3189 cc.	84	022 109 601H 022 109 601G 022 109 611P 022 109 611N	IN  EX	<b>R6702/SARCR</b> <b>R6703/SARCR</b> <b>R6704/BMARCR</b> <b>R6705/BMARCR</b>	33.2 33.2 30.2 30.2	6 6 6 6	136.3 102.4 136.1 102.2	I I I I	45° 45° 45° 45°
2010	V6	A5 3.0 24V A7 3.0 24V Q5 3.0 24V Q7 3.0 24V <b>Eng. CTUA-CTUB-CREC</b> <b>CTDA-CGXC-CHMA</b> <b>CGWC-CTUD-CTXA</b> 2995 cc.	84.5	06D 109 601K 06E 109 601E 06D 109 611L	IN  EX	<b>R6206/S</b>  <b>R6207/BMCR</b>	34  28	6  6	104  102	I  I	45°  45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
	<b>G11556</b> <b>G11557</b> <b>G11558</b> <b>G11559</b>	IN EX	44 65	6 6	10.06 10.11 10.06 10.11		
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0019</b>	I
022 109 423A	<b>PI 06-0019</b>	I


**NOTE**  
remarks

**\*R6189/BMARCR**  
Retainer  
stem end 5.00 mm

**\*R4853/BMARCR**  
Retainer  
stem end 3.40 mm

**AUDI**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994	V8	A8 4.2 <b>Eng. ABZ 32V</b> 4112 cc.	84.5	051 109 601B	IN	<b>R4808/S</b>	32	7	95.8		45°
				051 109 611B	EX	<b>R4809/R</b>	27	7	98		45°
2006	V6	Q7 3.6 FSI 24V <b>Eng. BHK</b> 3597 cc.	89	022 109 601H	IN	<b>R6702/SARCR</b>	33.2	6	136.3		45°
				022 109 601G		<b>R6703/SARCR</b>	33.2	6	102.4		45°
				022 109 611P	EX	<b>R6704/BMARCR</b>	30.2	6	136.1		45°
				022 109 611N		<b>R6705/BMARCR</b>	30.2	6	102.2		45°

## AUDI DIESEL

1980/81	4	80 D - LD - GLD 80 C - CL - GL 1588 cc.	76.5	068 109 601C	IN	<b>R3646/S</b>	34	8	104.8		45°
				068 109 611C	EX	<b>R3647/R</b>	31	8	104.5		45°
1987	4	80 CC - CD 1588 cc.	76.5	068 109 601N	IN	<b>R4296/R</b>	34	8	95		45°
				068 109 611L	EX	<b>R4484/RCR</b>	31.2	8	95.5		45°
1982	4	80 CL - CD Turbo 1588 cc.	76.5	068 109 601D	IN	<b>R4199/BMCR</b>	34	8	104.8		45°
				068 109 611D	EX	<b>R4200/BMCR</b>	31	8	104.7		45°
1985/88	4	80 CC - CD Turbo 80 Quattro Turbo 90 Turbo	76.5	068 109 601M	IN	<b>R4296/R</b>	34	8	95		45°
				068 109 611M	EX	<b>R4297/R</b>	31.2	8	95.5		45°
1981	5	100 C - CL - GL - CD 100 Avant 1986 cc.	76.5	069 109 601C	IN	<b>R3662/S</b>	36	8	105		45°
				068 109 611C	EX	<b>R3647/R</b>	31	8	104.5		45°
1982/85	5	100 Avant CC - CD - CS 100 Avant TD 1986 cc.	76.5	069 109 601C	IN	<b>R3662/S</b>	36	8	105		45°
				068 109 611D	EX	<b>R4200/BMCR</b>	31	8	104.7		45°
1985/88	5	100 CC 100 CC - CD Turbo 100 Avant Turbo	76.5	069 109 601F	IN	<b>R4483/SCR</b>	36	8	95.5		45°
				069 109 601G	IN	<b>R4899/BMARCR</b>	36	8	95.5		45°
				069 109 601H	IN	<b>R4484/RCR</b>	36	8	95.5		45°
				068 109 611L	EX	<b>R4484/RCR</b>	31.2	8	95.5		45°
2001	3	A2 1.2 TDI <b>Eng. ANY</b> 1191 cc.	76.5	045 109 601	IN	<b>R6389/S</b>	36	7	89.6		45°
				045 109 611	EX	<b>R6390/R</b>	31.5	7	89.6		45°
1997	V6	A4 2.5 V6 TDI 24V A6 2.5 V6 TDI 24V <b>Eng. AFB-AKN-AKE</b> 2496 cc.	78.3	059 109 601B	IN	<b>R6085/SCR*</b>	27	6	100.5		45°
				059 109 601C	IN	<b>R6086/BMARCR*</b>	27	6	100.5		45°
	V6	A4 2.5 V6 TDI 24V A6 2.5 V6 TDI 24V <b>Eng. AFB-AKN-AKE</b> 2496 cc.	78.3	059 109 611B	EX	<b>R6085/SCR*</b>	24	6	100.5		45°
				059 109 611C	EX	<b>R6086/BMARCR*</b>	24	6	100.5		45°
1997/02	V6	A8 2.5 V6 TDI 24V <b>Eng. AFB-AKN-AKE</b> 2496 cc.	78.3	059 109 601B	IN	<b>R6085/SCR*</b>	27	6	100.5		45°
				059 109 601C	IN	<b>R6086/BMARCR*</b>	27	6	100.5		45°
	V6	A8 2.5 V6 TDI 24V <b>Eng. AFB-AKN-AKE</b> 2496 cc.	78.3	059 109 611B	EX	<b>R6085/SCR*</b>	24	6	100.5		45°
				059 109 611C	EX	<b>R6086/BMARCR*</b>	24	6	100.5		45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	<b>G3561</b> <b>G3592</b>	IN/EX	35	7	12.07 12.12	B	C.I.-F
	<b>G11556</b> <b>G11557</b> <b>G11558</b> <b>G11559</b>	IN EX	44 65	6	10.06 10.11 10.06 10.11		
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A 049 103 419	<b>G2664</b> <b>G3061</b>	IN EX	36.5 42.3	8	12.06 12.06	B B	C.I.-F C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A 049 103 419	<b>G2664</b> <b>G2665</b> <b>G2666</b> <b>G3061</b> <b>G3062</b>	IN EX	36.5 42.3	8	12.06 12.11 12.16 12.06 12.11	B B	C.I.-F C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0019</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
038 109 309A	<b>PI 06-0032</b>	I
059 109 521C 059 109 444W TRUST PAD	<b>PI 06-0008</b> <b>RA06-906</b> <b>RA06-926</b>	I
059 109 521C 059 109 444W TRUST PAD	<b>PI 06-0008</b> <b>RA06-906</b> <b>RA06-926</b>	I






**NOTE**  
remarks

**AUDI**
**AUDI DIESEL**
**PI 06-0008**  
ONLY ENG. AFB-AKN  
**R6085/SCR-R6086/**  
**BMARCR**  
Retainer stem end  
2.5 mm

**PI 06-0008**  
ONLY ENG. AFB-AKN  
**R6085/SCR-R6086/**  
**BMARCR**  
Retainer stem end  
2.5 mm

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2000	V6	Allroad 2.5 V6 TDI 24V <b>Eng. AKE</b> 2496 cc.	78.3	059 109 601B	IN	<b>R6085/SCR*</b>	27	6	100.5		45°	
				059 109 601C	EX	<b>R6086/BMARCR*</b>	24	6	100.5		45°	
				059 109 611B								
				059 109 611C								
2003	V6	A4 2.5 TDI V6 24V A6 2.5 TDI V6 24V <b>Eng. BFC-BCZ-BAU</b> 2496 cc.	78.3	059 109 601F	IN	<b>R6453/SCR*</b>	27.2	6	100.6		45°	
				059 109 611G	EX	<b>R6454/BMARCR*</b>	24.1	6	100.7		45°	
1999	4	A2 1.4 TDI <b>Eng. AMF</b> 1422 cc.	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9		45°	
				038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90		45°	
5/2010	4	A1 1.6 TDI <b>Eng. CAYC-CAYB</b> 1598 cc.	79.5	03L109601A	IN	<b>R6690/S</b>	26.55	6	99.25		45°	
				03L109611A	EX	<b>R6691/R</b>	24.45	6	99.10		45°	
2009	4	A3 1.6 TDI <b>Eng. CAYA-CAYB</b> 1598 cc.	79.5	03L109601A	IN	<b>R6690/S</b>	26.55	6	99.25		45°	
				03L109611A	EX	<b>R6691/R</b>	24.45	6	99.10		45°	
1989/91	4	80 <b>Eng. 1Y</b> 80 TD <b>Eng. AAZ</b> 1896 cc.	79.5	069 109 601F	IN	<b>R4483/SCR</b>	36	8	95.5		45°	
				069 109 601H	IN	<b>R4899/BMARCR</b>	36	8	95.5		45°	
				074 109 611	EX	<b>R4640/BMARCR</b>	31.2	8	95.5		45°	
					EX	<b>R4640/R</b>	31.2	8	95.5		45°	
1991	4	80 TD <b>Eng. 1Z</b> 1896 cc.	79.5	028 109 601A	IN	<b>R4615/BMARCR</b>	36	8	96.9		45°	
				046 109 611C/E	EX	<b>R4616/BMARCR</b>	31.5	8	96.9		45°	
1994/97	4	A3 - A4 - A6 1.9 TDI A4 1.9 TDI Avant <b>Eng. 1Z 90 CV</b> 1896 cc.	79.5	028 109 601H	IN	<b>R4776/BMCR</b>	36	8	96.9		45°	
				046 109 611F	EX	<b>R4777/BMCR</b>	31.4	8	96.9		45°	
1993	5	100 Avant <b>Eng. AAS</b> 2370 cc.	79.5	069 109 601F	IN	<b>R4483/SCR</b>	36	8	95.5		45°	
				074 109 611	EX	<b>R4640/BMARCR</b>	31.2	8	95.5		45°	
1996/97	4	A3 - A4 - A6 1.9 TDI A4 1.9 TDI Avant <b>Eng. AFN - AHU - AHH</b> <b>Eng. AGR - ALH - AHF</b> 1896 cc. 90 - 110 CV	79.5	028 109 601D	IN	<b>R6087/S</b>	35.9	7	96.8		45°	
				028 109 601K	IN	<b>R4888/BM</b>	35.9	7	96.8		45°	
				028 1096 11G	EX	<b>R4889/BM</b>	31.5	7	96.85		45°	



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I-F
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
059 109 444W TRUST PAD	<b>RA06-906</b> <b>RA06-926</b>	
	<b>PI 06-0008</b> <b>RA06-906</b>	
038 109 309A	<b>PI 06-0032</b>	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	<b>PI 06-0040</b>    <b>RA06-946</b>	I
059 109 521G 059 109 521 H 03L 109 521 03L109 521A 059 109 417G 059 109 417F	<b>PI 06-0040</b>    <b>RA06-946</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


**NOTE**  
remarks





**R6453/SCR-R6454/  
BMACR**

Retainer stem end  
8.3 mm

**AUDI DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000/01	4	A3 1.9 TDI <b>Eng. ASV</b> 1896 cc.	79.5	028 109 601D	IN	<b>R6087/S</b>	35.9	7	96.8	I	45°
				028 1096 11G	EX	<b>R4889/BM</b>	31.5	7	96.85	I	45°
2000	4	A3 1.9 TDI <b>Eng. ATD-AVB</b> 1896 cc.	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
				038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2003	4	A3 1.9 TDI <b>Eng. BKC</b> 1896 cc.	79.5	038 109 601E	IN	<b>R6208/S</b>	35.9	7	89.4	I	45°
				038 109 611E	EX	<b>R6209/BM</b>	31.5	7	89	I	45°
2000 2001	4	A4 1.9 TDI <b>Eng. ATJ-AJM-AVF-AWZ</b> A6 1.9 TDI <b>Eng. AVF-AWX</b> 1896 cc.	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
				038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2003/04	4	A3 2.0 TDI 16V <b>Eng. AZV-BKD</b> Until chassis n. 8P-4140-000 1968 cc.	81	03G 109 601A	IN	<b>R6353/S</b>	29.2	6	88.45	I	45°
				03G 109 611B	EX	<b>R6354/BM</b>	25.5	6	88.2	I	45°
2004	4	A4 2.0 TDI <b>Eng. BPW</b> 1968	81	038 109 601F	IN	<b>R6528/S</b>	35.5	7	89	I	45°
				038 109 611G	EX	<b>R6529/R</b>	31.4	7	88.40	I	45°
2004	4	A3 2.0 TDI 16V <b>Eng. AZV-BKD</b> From chassis n. 8P-4140-000 1968 cc.	81	03G 109 601B	IN	<b>R6372/S</b>	29.1	6	87.8	I	45°
				03G 109 611D	EX	<b>R6373/BM</b>	25.4	6	87.5	I	45°
2004	4	A4 2.0 TDI-PD 16V <b>Eng. BNA-BLB</b> 1968 cc.	81	03G 109 601B	IN	<b>R6372/S</b>	29.1	6	87.8	I	45°
				03G 109 611D	EX	<b>R6373/BM</b>	25.4	6	87.5	I	45°
2004	4	A6 2.0 TDI-PD 16V <b>Eng. BNA-BLB-BRE</b> <b>Eng. BRP-BVG</b> 1868 cc.	81	03G 109 601B	IN	<b>R6372/S</b>	29.1	6	87.8	I	45°
				03G 109 611D	EX	<b>R6373/BM</b>	25.4	6	87.5	I	45°
2008 2009	4	A4 2.0 TDI 16V Q5 2.0 TDI 16V <b>Eng. CAGC-CAHA</b> <b>CRLC-CSUA-CSUB</b> 1968 cc.	81	03L 109 601	IN	<b>R6564/S</b>	28.1	6	99.3	I	45°
				03L 109 611	EX	<b>R6565/BM</b>	26	6	99.1	I	45°
2012	4	Q3 2.0 TDI 16V <b>Eng. CFFA-CFFB</b> <b>CFDG-CFGC-CLJA</b> <b>CLLB-CUVB-CUVC</b> <b>CUVD-CUWA</b> 1968 cc.	81	03L 109 601	IN	<b>R6564/S</b>	28.1	6	99.3	I	45°
				03L 109 611	EX	<b>R6565/BM</b>	26	6	99.1	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I-F
	<b>G11257</b> <b>G11258</b>	IN/EX	31.5	7	12.06 12.11	B	C.I
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I-F
	<b>G11257</b> <b>G11258</b>	N/EX	31.5	7	12.06 12.11	B	C.I
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
037103419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
038 109 309B	<b>PI 06-0032</b>	I
038 109 309B	<b>PI 06-0032</b>	I
038 109 309B	<b>PI 06-0032</b>	I
038 109 309B	<b>PI 06-0032</b>	I
038 109 309B	<b>PI 06-0032</b>	I
03G 109 411C 03G 409 411B 03G 109 412C 03G 109 412B	<b>PI 06-0042</b> <b>PI 06-0045</b> <b>PI 06-0044</b> <b>PI 06-0043</b>	I I I I
03G 109 411C 03G 409 411B 03G 109 412C 03G 109 412B	<b>PI 06-0042</b> <b>PI 06-0045</b> <b>PI 06-0044</b> <b>PI 06-0043</b>	I I I I
03G 109 411C 03G 409 411B 03G 109 412C 03G 109 412B	<b>PI 06-0042</b> <b>PI 06-0045</b> <b>PI 06-0044</b> <b>PI 06-0043</b>	I I I I
059 109 521G 059 109 417G	<b>PI 06-0040</b> <b>RA06-946</b>	I
059 109 521G 059 109 417G	<b>PI 06-0040</b> <b>RA06-946</b>	I


**NOTE  
remarks**
**AUDI DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1990/91	5	100 Avant <b>Eng. 1T</b> 2460 cc. 100 Avant <b>Eng. AAS</b> 2370 cc. 100 Avant TD <b>Eng. AAT - ABP</b> 2460 cc.	81	028 109 601A 046 109 611C/E 074 109 611	IN EX EX	<b>R4615/BMARCR</b> <b>R4616/BMARCR</b> <b>R4640/BMARCR</b>	36	8	96.9	I	45°
							31.5	8	96.9	I	45°
							31.2	8	95	I	45°
1994	5	A6 2.5 - Avant 2.5 TDI <b>Eng. AAT-AEL</b> 2460 cc.	81	046 109 601J 046 109 611F	IN EX	<b>R4776/BMCR</b> <b>R4777/BMCR</b>	36 31.4	8 8	96.9 96.9	I I	45° 45°
2005  2007	V6	A6 2.7 TDI V6 24V A4 2.7 TDI V6 24V A5 2.7 TDI V6 24V <b>Eng. BPP-BSG</b> <b>Eng. CAMA-CAMB-CGKA</b> 2698 cc.	83	059 109 601G 059 109 611H	IN EX	<b>R6514/S</b> <b>R6515/BMAR</b>	28.8 26.8	6 6	99.5 99.4	I I	45° 45°
2003 2005 2005 2007 2007	V6	A8 3.0 TDI V6 24V A6 3.0 TDI V6 24V A4 3.0 TDI V6 24V A5 3.0 TDI V6 24V Q7 3.0 TDI V6 24V <b>Eng. BMK-BKN-BNG</b> <b>Eng. ASB-BUN-BUG</b> <b>Eng. CCWB</b> 2967 cc.	83	059 109 601G 059 109 611K	IN EX	<b>R6514/S</b> <b>R6515/BMAR</b>	28.8 26.8	6 6	99.5 99.4	I I	45° 45°
2014  2012 2010 2014	V6	A6 3.0 TDI 24V A7 3.0 TDI 24V A5 3.0 TDI 24V A8 3.0 TDI 24V Q5 3.0 TDI 24V Q7 3.0 TDI 24V <b>Eng. CPNB-CDTC</b> <b>CTBB-CKVC-CVUA</b> <b>CVUB-CZVC-CRTF</b> <b>CZVD-CRTF-CZVA</b> <b>CRTE-CRTD-CDUD</b> 2967 cc.	83	059 109 601G 059 109 611K	IN EX	<b>R6514/S</b> <b>R6515/BMAR</b>	28.8 26.8	6 6	99.5 99.4	I I	45° 45°

## AUTOBIANCHI

1975	4	A 112 <b>Eng. A112</b> 903 cc.	65	4265695 4266321	IN EX	<b>R3561/SCR</b> <b>R3359/RCR</b>	29 26	7 7	95.5 95.5	EE I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
4265699 4372331	<b>G2196</b> <b>G2197</b>	IN/EX	42.5	7.03	13.04 13.09	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	<b>PI 06-0040</b>    <b>RA06-946</b>	I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	<b>PI 06-0040</b>    <b>RA06-946</b>	I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	<b>PI 06-0040</b>    <b>RA06-946</b>	I


 NOTE  
remarks

AUDI DIESEL

AUTOBIANCHI

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1969/86	4	A 112E <b>Eng. 100GL6.000</b> 903 cc.	65	4265695 4377979	IN EX	<b>R3561/SCR</b> <b>R3551/RCR</b>	29	7	95.5	EE	45°
		26					7	95.5	EE	45°	
1977/85	4	A 112 Elegant - Elite A122 Junior - LX <b>Eng. A112A- A112B1</b> 965 cc.	67.2	5959564 5959563 5973130	IN EX	<b>R3745/SCR</b> <b>R3746/RCR</b>	29	7	95.5	EE	45°
		26					7	95.5	EE	45°	
1985  1989	4	Y10 - Y10 4WD Y10 LX <b>Eng. 156A2.000 Fire</b> 999 cc.	70	7666228 5942727 5942728 7666227	IN EX	<b>R4168/SCR</b> <b>R4169/RCR</b>	30.5	7	97	EE	45°
		27.5					7	97	EE	45°	
1985/89	4	Y10 Touring <b>Eng. 156A.000</b> 1049 cc.	76	4412816 4412822 4340119	IN EX	<b>R3592/SCR</b> <b>R3529/RCR</b>	36.5	8	110	EE	45°
		29					8	110.5	EE	45°	
1985	4	Y10 Turbo <b>Eng. 156A1.000</b> 1049 cc.	76	5997328 5985066	IN EX	<b>R4172/RCR</b> <b>R4173/RCR</b>	36.5	8	110	EE	45°
		29					8	110.5	EE	45°	
1989	4	Y10 1.3 GT ie <b>Eng. M608AA.130</b> 1300 cc.	76	4412816 4412822 4340119	IN EX	<b>R3592/SCR</b> <b>R3529/RCR</b>	36.5	8	110	EE	45°
		29					8	110.5	EE	45°	
<b>BEDFORD</b>											
	4	Rascal <b>Eng. F10A Suzuki</b> 970 cc.	65.5	12911-82000 12915-82050	IN EX	<b>R4549/SNT</b> <b>R4550/RNT</b>	36	7	115.5	EE	45°
		30					7	114.5	EE	45°	
1982	4	Astra 1.3L Van <b>Eng. 1.3N - S</b> 1297 cc.	75	90106098 642763 90106086 642890	IN EX	<b>R3692/SCR</b> <b>R3695/RCR</b>	33	7	104.5	E	45°
		29					7	104.5	E	45°	
1983	4	Astra L Van <b>Eng. 16SV</b> 1598 cc.	79	642679 642854	IN EX	<b>R4383/SCR</b> <b>R4384/RCR</b>	38	7	101	E	45°
		31					7	101	E	45°	
1983/86	4	Astra 1.6L Van <b>Eng. 1.6N - S</b> 1598 cc.	80	90106792 642635 90106797	IN EX	<b>R4236/SCR</b> <b>R4239/RCR</b>	35	8	106.1	E	45°
		32					8	106.1	E	45°	
<b>BMW</b>											
2011	4	114 - 116 - 118 1.6 i 16V <b>Eng. N13B16- F20</b> 1598 cc.	77	11347585901 11347547187	IN EX	<b>R6711/S</b> <b>R6664/RCR</b>	29.70	5	95.10	I	45°
		26					5	110.1	I	45°	

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331	<b>G2196</b> <b>G2197</b>	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4265699 4372331	<b>G2196</b> <b>G2197</b>	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4265699 4372331	<b>G2196</b> <b>G2197</b>	IN/EX	42.5	7.03	13.04 13.09	G	C.I.
4373602 4373603	<b>G2251</b> <b>G2252</b>	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4373602 4373603	<b>G2251</b> <b>G2252</b>	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
11115-82000-001	<b>G3277</b> <b>G3278</b>	IN/EX	48	7	12.07 12.12	G	L-X
	<b>G2800</b> <b>G2801</b>	IN/EX	45.5	7	11.04 11.09	G	L
	<b>G2800</b> <b>G2801</b>	IN/EX	45.5	7	11.04 11.09	G	L
	<b>G3232</b>	IN/EX	43	8	12.04	G	L
	<b>G11524</b> <b>G11525</b> <b>G11526</b> <b>G11527</b>	IN EX	41 44.5	5.01	9.05 9.09 9.05 9.09	B B	L L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
59422730	<b>PI 03-105</b>	M
5233315	<b>PI 06-0009</b>	I
5233315	<b>PI 06-0009</b>	I
5233315	<b>PI 06-0009</b> <b>RA06-911</b>	I
11337559797 7559797	<b>PI 06-0046*</b> <b>PI 06-0047*</b> <b>RA06-950</b>	


**NOTE**  
remarks

**AUTOBIANCHI**
**BEDFORD**
**BMW**
**PI 06-0046\***  
12X29.90  
**PI 06-0047\***  
12X39.30

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1977/83	6	320 - 520 - 320i - 520i <b>Eng. M20B20</b> 1990 cc. 323 i <b>Eng. M20B23</b> 2316 cc.	80	1267687	IN	<b>R3635/SCR</b>	40	7	102.5	I	45°
				1265453 11341267721 1267688 1280643 11341267722	EX	<b>R3636/BMARCR</b>	34	7	102.5	I	45°
1989/92	6	320i 320i 24V 320i Coupè 24V 520i 24V 520i Touring <b>Eng. M50B20</b> 1991 cc.	80	11341722910	IN	<b>R4617/S</b>	29.9	7	107.7	I	45°
				11341722911	EX	<b>R4618/BMARCR</b>	26.9	7	106.8	I	45°
1992	6	320 i 24V <b>Eng. M50B20</b> Mod. E36 1991 cc.	80	11341738220	IN	<b>R4799/SCR</b>	29.9	6	107	I	45°
				11341738214 11341738221 11341738215	EX	<b>R4800/BMARCR</b>	26.9	6	106.1	I	45°
1994 1992	6	320 2.0i 24V 520i 2.0 24V <b>Eng. M50B20</b> Mod. E34 1990 cc.	80	11341738220 11341738214 11341738221 11341738215	IN EX	<b>R4799/SCR</b> <b>R4800/BMARCR</b>	29.9 26.9	6 6	107 106.1	I I	45° 45°
1999											
2015 <b>NEW</b>	3	116 i 12V 118 i 12V 218 i 12V 220 i 12V 216 i 12V 225 xe i 12V 318 i 12V 418 i 12V X1 sDrive 18i 12V <b>Eng. B38A15A</b> <b>Eng. B38B15A</b> 1499 cc.	82	11347633699	IN	<b>R6948/S</b>	30	5	99.30	I	45°
				11348621264	EX	<b>R6949/BM</b>	28.5	6	99.80	I	45°
2007/2011 <b>NEW</b>	4	116 i 16V <b>Eng. N43B16A</b> 1599 cc.	82	11347555760	IN	<b>R6855/S</b>	30	6	106.7	I	45°
				11347552053	EX	<b>R6856/BMARCR</b>	27	6	114.65	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121280523	<b>G2073</b> <b>G2074</b> <b>G2075</b> <b>G2782</b>	IN/EX	45	7	13.05 13.10 13.15 13.25	B	C.I.
11121715373	<b>G3145</b> <b>G3146</b> <b>G3330</b>	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
11121735534	<b>G3544</b> <b>G3548</b>	IN/EX	43.5	6	12.56 12.61	B	C.I.
	<b>G11561</b> <b>G11562</b> <b>G11644</b> <b>G11563</b> <b>G11564</b>	IN IN EX	42 48 48	5 5 6	10.04 10.09 10.05 10.04 10.09	B B B	L L L
	<b>G11486</b> <b>G11621</b>	IN/EX	39	6	10.05 10.10	B	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11321739299	<b>PI 06-0029</b>	I
11321739299	<b>PI 06-0029</b>	I
	<b>PI 06-0019</b>	I
	<b>PI 06-0019</b> <b>RA06-950</b>	I


**NOTE**  
remarks

**PI 06-0029**  
No engine M52B20C

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2015 <b>NEW</b>	4	220 i 16V	82	11347633699	IN EX	<b>R6948/S</b> <b>R6949/BM</b>	30	5	99.30	I	45°	
		225 i 16V		11348621264			28.5	6	99.80		I	45°
		230 i 16V										
		320 i 16V										
		420 i 16V										
		430 i 16V										
		520 i 16V										
		530 i 16V										
		X3 xDrive 20i 16V										
		X4 xDrive 20 i 16V										
		<b>Eng. B46A20B</b>										
		<b>Eng. B48A20A</b>										
		<b>Eng. B48A20B</b>										
		1998 cc.										
2015 <b>NEW</b>	6	M140 i 24V	85	11347633699	IN EX	<b>R6948/S</b> <b>R6949/BM</b>	30	5	99.30	I	45°	
		M240 i 24V		11348621264			28.5	6	99.80		I	45°
		340 i xDrive 24V										
		440 i xDrive 24V										
		540 i xDrive 24V										
2018	6	640 i xDrive 24V										
		740 i xDrive 24V										
		M40 i xDrive 24V										
		<b>Eng. B58B30A</b>										
		2998 cc.										
1988/90	4	316i	84	11341727358	IN EX	<b>R4606/SCR</b> <b>R4607/BMARCR</b>	42	7	102	I	45°	
		<b>Eng. M40B16</b>		11341727352			36	7	101		I	45°
		1596 cc.										
1990	4	318i - 518i										
		<b>Eng. M40B18</b>										
		1796 cc.										
2005 2007 2007 2006 2006	6	325i - 325xi	82	11347539919	IN EX	<b>R6730/S</b> <b>R6731/BM</b>	32.15	5	104.5	I	45°	
		523i		11347553774			27	6	110.5		I	45°
		525i - 525xi										
		X3 2.5 si										
		Z4 2.5i										
		<b>Eng. N52B25A</b>										
		<b>Eng. N52B25C</b>										
		<b>Eng. N53B25Z</b>										
		2497 cc.										
2011	6	523 i 24V	82	11347539919	IN EX	<b>R6730/S</b> <b>R6731/BM</b>	32.15	5	104.5	I	45°	
		<b>Eng. N52B25AG</b>		11347553774			27	6	110.5		I	45°
		<b>N52B25B-N52B25BF</b>										
		2497 cc.										

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11561</b> <b>G11562</b> <b>G11644</b> <b>G11563</b> <b>G11564</b>	IN  IN EX	42  48 48	5  5 6	10.04 10.09 10.05 10.04 10.09	B  B B	L  L L
	<b>G11561</b> <b>G11562</b> <b>G11644</b> <b>G11563</b> <b>G11564</b>	IN  IN EX	42  48 48	5  5 6	10.04 10.09 10.05 10.04 10.09	B  B B	L  L L
11121715373	<b>G3145</b> <b>G3146</b> <b>G3330</b>	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
	<b>G11561</b> <b>G11562</b> <b>G11644</b> <b>G11563</b> <b>G11564</b>	IN  IN EX	42  48 48	5  5 6	10.04 10.09 10.05 10.04 10.09	B  B B	L  L L
	<b>G11561</b> <b>G11562</b> <b>G11644</b> <b>G11563</b> <b>G11564</b>	IN  IN EX	42  48 48	5  5 6	10.04 10.09 10.05 10.04 10.09	B  B B	L  L L





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b>	I
	<b>PI 06-0019</b>	I
11331709063	<b>RA06-909</b>	
11337559797 7559797	<b>RA06-950</b> <b>PI 06-0019</b>	I
11337559797 7559797	<b>RA06-950</b> <b>PI 06-0019</b>	I


**NOTE  
remarks**
**BMW**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1991/93	4	316 i <b>Eng. M42B16</b> 1596 cc. 318 i - 318iS 16V <b>Eng. M42B18</b> 1796 cc.	84	11341722908 11341722903	IN EX	<b>R4692/S</b> <b>R4693/BMARCR</b>	32.9 30.4	7 7	106.7 106.3	I I	45° 45°
1990 1991 1992		325 i 325 i 24V 325 i Coupè 24V 525 i 24 V 525 ix Touring 24V <b>Eng. M50B25</b> 2494 cc.									
2004	4	116 i 316 i <b>Eng. N45B16A</b> 1596 cc.	84	11341435461 11347503737 11341707519 11347503738 11347592839	IN EX	<b>R6459/S</b> <b>R6392/BMARCR</b>	34.9 29	6 6	100 100.1	I I	45° 45°
2004	4	316i/ti 1.8 <b>Eng. N46B18A</b> 1796 cc.	84	11341440304 11341707519	IN EX	<b>R6391/S</b> <b>R6392/BMARCR</b>	32 29	6 6	100 100.1	I I	45° 45°
2001 2003 2004 2007		318 ci 16V 1796 cc. 120 i 16V 118 i 16V 320 i 2.0 16v <b>Eng. N46B20B</b> <b>Eng. N42B20A</b> 1995 cc.	84	11341440304 11341707519	IN EX	<b>R6391/S</b> <b>R6392/BMARCR</b>	32 29	6 6	100 100.1	I I	45° 45°
2007/2011 2006 <b>NEW</b>	4	320 i 16V 120 i 16V 116 i 16V 318 i 16V 520 i 16V <b>Eng. N43B20A-N43B20C</b> 1995 cc.	84	11347548280 11347553776 11347573840	IN EX	<b>R6857/S</b> <b>R6733/BMCR</b>	31.4 28	6 6	106.7 114.60	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121715373	<b>G3145</b> <b>G3146</b> <b>G3330</b>	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
	<b>G11486</b> <b>G11621</b>	IN/EX	39	6	10.05 10.10	B	L
	<b>G11486</b> <b>G11621</b>	IN/EX	39	6	10.05 10.10	B	L
	<b>G11486</b> <b>G11621</b>	IN/EX	39	6	10.05 10.10	B	L
11121735534	<b>G3544</b> <b>G3548</b>	IN/EX	43.5	6	12.56 12.61	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11321739299	<b>PI 06-0029</b>	I


**NOTE  
remarks**
**BMW**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994	4	316i Compact - Coupè <b>Eng. M43B16</b> 1596 cc.	85	11341739658 11341739665	IN EX	<b>R6015/S</b> <b>R6016/BMARCR</b>	42 36	7 7	104 103	I I	45° 45°
1993/98	4	318i 1.8									
1993/95	4	518i 1.8									
1995/98		Z3 1.8 <b>Eng. M43B18</b> 1796 cc.									
2000	4	316i 1.9									
2000		318i 1.9									
1998		Z3 1.9i <b>Eng. M43B19</b> 1895 cc.									
1993		318i <b>Eng. M43B18</b>									
1996		Z 3 <b>Eng. M43B18</b> 1796 cc.									
1994	V12	850 Csi 24V <b>Eng. M73B54</b> 5379 cc									
1995	4	318 Ti Compact 16V	84	11341739822	IN	<b>R4864/S</b>	32.9	6	106	I	45°
1993		318 iS Coupè 16V <b>Eng. M42B18</b> 1796 cc.		11341739820 11341738218 11341438451							
1999	4	Z3 1.9i 16V <b>Eng. M44B19</b> 1895 cc.		11341739823 11341739821 11341738219 11347505731	EX	<b>R4865/RCR</b>	30.5	6	105.6	I	45°
1995	6	323i 2.5 24V									
1999		323 Ci Coupè 2.5 24V <b>Eng. M52B25</b>									
1992/97	6	325i 2.5 24V									
1995	6	523i 2.5 24V <b>Eng. M50B25</b>									
2003		X3 2.5 i 24V <b>Eng. 256S5</b> 2494 cc.									
1995	6	328i 2.8 24V 528i 2.8 24V 728i 2.8 24V Z 3 2.8 24V Roadster <b>Eng. M52B28 - M52B52</b> 2793 c.c.									
2003	6	X3 3.0 i 24V									
2004		Z4 3.0 i 24V <b>Eng. 306S3 - M54B30</b> 2979 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11121715373	<b>G3145</b> <b>G3146</b> <b>G3330</b>	IN/EX	43.5	7	12.55	B	C.I.
					12.60		
					12.65		
11121735534	<b>G3544</b> <b>G3548</b>	IN/EX	43.5	6	12.56	B	C.I.
					12.61		
	<b>G11023</b> <b>G11024</b>	IN/EX	43.4	6	12.05	B	C.I.
					12.10		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0049</b> <b>RA06-909</b>	I
11321748881	<b>PI 06-0021</b>	I
11321748880		
11321748882		
11321748884		
11321739298	<b>PI 06-0029</b>	I
11321739299		






**NOTE  
remarks**
**PI 06-0021**  
33X24

**PI 06-0029**  
35X26

**BMW**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2012  2011 2010 2012	4	125i 2.0 16V	84	11347583777	IN	<b>R6774/S</b>	32	5	105	I	45°	
		320i 2.0 16V		11347583779		EX						<b>R6775/BMAR</b>
		320ix 2.0 16V		113477598273								
		328i-ix 2.0 16V										
		520i 2.0 16V										
		528i-ix 2.0 16V										
		X1 16i 2.0 16V										
		X1 20i 2.0 16V										
		X1 28i 2.0 16V										
		X3 20i 2.0 16V										
X3 28i 2.0 16V												
Z4 18i 2.0 16V												
Z4 20i 2.0 16V												
Z4 28i 2.0 16V												
		<b>Eng. N20-N20B20</b>										
		1997 cc.										
1983	6	325 E - 525 E	84	1267687	IN	<b>R3635/SCR</b>	40	7	102.5	I	45°	
		528 E		1265453		EX						<b>R3636/BMARCR</b>
		<b>Eng. M20B27</b>		11341267721								
		2693 cc.		1267688								
	1280643											
				11341267722								
1986/91 1988/90 1986/91	6	325i-325ix	84	11341720827	IN	<b>R4454/S</b>	42	7	102.5	I	45°	
		525 i 24V		11341720828		EX						<b>R4455/BMARCR</b>
		Z1										
<b>Eng. M20B25</b>												
		2494 cc.										
2002 2003	6	Z4 3.0 i 24V	84	11341739822	IN	<b>R4864/S</b>	32.9	6	106	I	45°	
		X3 3.0 i 24V		11341739820		EX						<b>R4865/RCR</b>
<b>Eng. 306S3</b>	11341738218											
2979 cc.	11341438451											
	11341739823											
	11341739821											
	11341738219											
	11347505731											



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11561</b> <b>G11562</b> <b>G11563</b> <b>G11564</b>	IN  EX	42  48	5  6	10.04 10.09 10.04 10.09	B  B	L  L
11121280523	<b>G2073</b> <b>G2074</b> <b>G2075</b> <b>G2782</b>	IN/EX	45	7	13.05 13.10 13.15 13.25	B	C.I.
11121280523	<b>G2073</b> <b>G2074</b> <b>G2075</b> <b>G2782</b>	IN/EX	45	7	13.05 13.10 13.15 13.25	B	C.I.
11121735534	<b>G3544</b> <b>G3548</b>	IN/EX	43.5	6	12.56 12.61	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11337559797 7559797	<b>PI 06-0019</b> <b>RA06-950</b>	
11321748881	<b>PI 06-0021</b>	I


**NOTE  
remarks**
**BMW**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000/2005	6	325i	84	11347553771	IN	<b>R6715/S</b>	34.17	5	104.4	I	45°
2001		325ti		11347539915							
2000		525i		11347553772	EX	<b>R6716/BM</b>	29	6	110.5	I	45°
2004		X3 2.5i									
2003		Z4 2.5i									
		<b>Eng. M54B25</b>									
		2494 cc.									
2000	6	330i	84								
		530i									
2003		730i -Li									
		X5 3.0i									
		Z3 3.0									
		Z4 3.0i									
		<b>Eng. M54B30</b>									
		2979 cc.									
2005		130i	85								
2007		325i									
		325xi									
		330i									
2007		525i									
		525xi									
		530xi									
		630i									
2005		730i -Li									
2007		X5 3.0i									
2009		Z4 3.0i									
		<b>Eng.N52B30</b>									
		<b>Eng.N52B30A</b>									
		<b>Eng.N53B30A</b>									
		2996 cc.									
2008	6	135i	84	11347553775	IN	<b>R6732/S</b>	31.35	5	106.65	I	45°
2006		335i - 335xi		11347553776	EX	<b>R6733/BMCR</b>	28	6	114.60	I	45°
2008		740i		11347573840							
2008		X6 35i									
2009		Z4 35i									
2010		Z4 35is									
		<b>Eng.N54B30A</b>									
		<b>Eng.N54B30B</b>									
		2979 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11561</b> <b>G11562</b> <b>G11563</b> <b>G11564</b>	IN	42	5	10.04 10.09	B	L
		EX	48	6	10.04 10.09	B	L
	<b>G11561</b> <b>G11562</b> <b>G11563</b> <b>G11564</b>	IN	42	5	10.04 10.09	B	L
		EX	48	6	10.04 10.09	B	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11337559797 7559797	<b>RA06-950</b>	
11337559797 7559797	<b>PI 06-0019</b> <b>RA06-950</b>	I


**NOTE**  
remarks

**BMW**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2009 2012	6	135i 3.0 24V M135i 3.0 24V	84	11347583777 11347583779	IN	<b>R6774/S</b>	32	5	105	I	45°	
2009 2010 2011 2009 2010 2011 2011 2010 2009		335i 3.0 24V 335Xi 3.0 24V 335i 3.0 24V 535i 3.0 24V 535iX 3.0 24V 640i-lx 3.0 24V 740i 3.0 24V X3 35iX 3.0 24V X5 - X6 35iX 3.0 24V X5- X6 40iX- 3.0 24V <b>Eng. N55-N55-B30</b> 2979 cc.		113477598273	EX	<b>R6775/BMAR</b>	28	6	112.8	I	45°	
2005	4	320 si 16V <b>Eng. N45B20A</b> 1997 cc.		85	11341440304 11341707519	IN EX	<b>R6391/S</b> <b>R6392/BMARCR</b>	32 29	6 6	100 100.1	I I	45° 45°
2010	6	130i 325i 325xi 330i 525i 525xi 530xi 630i 730i -Li X5 3.0i Z4 3.0i <b>Eng. N53B30A</b> 2996 cc.			11347552952 11347552953	IN EX	<b>R6734/S</b> <b>R6735/BMCR</b>	32 29	5 6	106.7 114.6	I I	45° 45°
1993	V8	530i Tourig 32V 730i - 730iL 32V <b>Eng. M60B30</b> 2997 CC		84	11341731642 11341736567	IN	<b>R4797/S</b>	31.9	6	104	I	45°
					11341741230 11341736576	EX	<b>R4798/BMARCR</b>	28.5	6	103.6	I	45°
1986/89	V12	750i - 750iL V12 850i <b>Eng. M70</b> 4988 CC			11341727358 11341713731	IN EX	<b>R4606/SCR</b> <b>R4796/BMARCR</b>	41.9 34.9	7 7	102 101.1	I I	45° 45°
1996	4	318iS Compact 16V 318Ti Compact 16V Z 3 Roadster 16V <b>Eng. M44B19</b> 1895 cc.		85	11341739822 11341739820	IN	<b>R4864/S</b>	32.9	6	106	I	45°
					11341739823 11341739821	EX	<b>R4865/RCR</b>	30.5	6	105.6	I	45°
09/1994	V12	750i - 750iL 24V 850ci - 24V <b>Eng. M73 B54</b> 5379 cc.		85	11341739658 11341739665	IN EX	<b>R6015/S</b> <b>R6016/BMARCR</b>	42 36	7 7	104 103	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11561</b> <b>G11562</b> <b>G11563</b> <b>G11564</b>	IN EX	42 48	5 6	10.04 10.09 10.04 10.09	B B	L L
	<b>G11486</b> <b>G11621</b>	IN/EX	39	6	10.05 10.10	B	L
	<b>G11561</b> <b>G11562</b> <b>G11563</b> <b>G11564</b>	IN EX	42 48	5 6	10.04 10.09 10.04 10.09	B B	L L
11121715373	<b>G3145</b>	IN/EX	43.5	7	12.55	B	C.I.
11121735534	<b>G3544</b> <b>G3548</b>	IN/EX	43.5	6	12.56 12.61	B	C.I.
11121715373	<b>G3145</b> <b>G3146</b> <b>G3330</b>	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11337559797 7559797	<b>PI 06-0019</b> <b>RA06-950</b>	I
11337559797 7559797	<b>RA06-950</b>	
11331709063	<b>RA06-909</b>	


**NOTE  
remarks**
**BMW**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1968/76	6	2500 - 2.5CS 525 2494 cc. 2800 - 2.8CS 2788 CC. 528 <b>Eng. 128</b> 2788 cc.	86	11341273592 11341250129	IN EX	<b>R3415/SCR</b> <b>R3416/RCR</b>	46 38	8 8	106.5 107	I I	45° 45°
1976/81		525 - 525i <b>Eng. M30B25</b> 2494 cc.									
1977		528i - 628 CSi - 728i <b>Eng. M30B25</b> 2788 cc.									
1987	4	318i <b>Eng. M40</b> 1766 cc.	89	11341727358 11341727352	IN EX	<b>R4606/SCR</b> <b>R4607/BMARCR</b>	42 36	7 7	102 101	I I	45° 45°
1971/76	6	3.0 S/CS/L <b>Eng. E3</b>	89	11341273592 11341250129	IN EX	<b>R3415/SCR</b> <b>R3416/RCR</b>	46 38	8 8	106.5 107	I I	45° 45°
1988		530i									
1986		730i/iL <b>Eng. M30B30ME</b>									
1976/80		630 CS - 730 <b>Eng. 3000/9</b>									
1976/82		2985 cc. 633 CSi - 732i - 733i <b>Eng. M30B32L</b> 3210 cc.									
1992/93	V8	540i V8 32V 740i - 740iL V8 32V 840Ci 32V 840Ci 3.9 V8 32V <b>Eng. M60B40</b> 3982 cc.	89	11341731640 11341736549 11341736558 11341736568 11341741231	IN EX	<b>R4794/SCR</b> <b>R4795/BMARCR</b>	34.9 30.4	6 6	104.1 103.6	I I	45° 45°
1996	V8	X5 4.4 i V8 32V 540i V8 32V 740i V8 32V 840Ci 4.3 V8 32V <b>Eng. M62B44</b> 4398 cc.	92								
1978/83	6	535i - 635CSi <b>Eng. M30</b> 3430 cc. 535i - 635 CSi <b>Eng. M30</b> 3453 cc.	92 93.4	11341273592 11341250129	IN EX	<b>R3415/SCR</b> <b>R3416/RCR</b>	46 38	8 8	106.5 107	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
111212663642	<b>G2070</b> <b>G2071</b> <b>G2072</b> <b>G2781</b>	IN/EX	50	8	14.05 14.10 14.15 14.25	B	C.I.
11121715373	<b>G3145</b> <b>G3146</b> <b>G3330</b>	IN/EX	43.5	7	12.55 12.60 12.65	B	C.I.
11120721100	<b>G2067</b> <b>G2068</b> <b>G2069</b>	IN/EX	52	8	14.04 14.09 14.14	B	C.I.
11121735534	<b>G3544</b> <b>G3548</b>	IN/EX	43.5	6	12.56 12.61	B	C.I.
11120721100	<b>G2067</b> <b>G2068</b> <b>G2069</b>	IN/EX	52	8	14.04 14.09 14.14	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0029</b>	I
	<b>PI 06-0021</b>	I


**NOTE**  
remarks

<b>PI 06-0029</b> ENG. M60B40
<b>PI 06-0021</b> Eng. M62B44

**BMW**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.					
							D	d	L			
1986/89	4	320i/ls M3 16V <b>Eng. S14-E30</b> 2302 cc.										
<b>BMW DIESEL</b>												
2011 2012	4	116d 114d <b>Eng. N47D16A</b> 1598 cc.	78	11347812618 11347812616	IN EX	<b>R6771/SCR</b> <b>R6772/RCR</b>	24.80 21.20	5 5	94 94	I I	45° 45°	
1983 1986	6	524TD <b>Eng. M21D24WA Turbo</b> 324d - 524d <b>Eng. M21D24 Turbo</b> 2443 cc.	80	11342242621 11342242624 11342242622 11342242623	IN EX	<b>R4396/BMCR</b> <b>R4397/BMARCR</b>	34.9 30.9	7 7	114.3 114.1	I I	45° 45°	
1990/92	6	325TD <b>Eng. M51D25</b> 2498 cc.	80	11342243328 11342244282	IN EX	<b>R4621/BMCR</b> <b>R4622/BMARCR</b>	35.9 30.9	7 7	103.7 103.5	I I	45° 45°	
1994 1992 1996	4 6 6	318TDS - Touring <b>Eng. M41D18</b> 1665 cc. 325TD - 325TDS 325TDS Touring 525TD - 525TDS 525TDS Touring <b>Eng. M51D25</b> 525 TDS <b>Eng. M51D25 Mod. E39</b> 725TDS <b>Eng. M51D25 Mod. E38</b> 2498 cc.	80	11342244814 11342246524 11342244815 11342246525	IN EX	<b>R4919/BMCR</b> <b>R4920/BMARCR</b>	36 31	6 6	103.7 103.5	I I	45° 45°	
2014	3	216 d 1.5 12V 214 d 1.5 12V <b>Eng. B37C15A</b> 1496 cc.	84	11127797711 11347797712	IN EX	<b>R6620/SCR</b> <b>R6621/RCR</b>	27.2 24.6	5 5	94 94	I I	45° 45°	
2007	4	123 d <b>Eng. N47D20B</b> 1995 cc.	84	11127797711 11347797712	IN EX	<b>R6620/SCR</b> <b>R6621/RCR</b>	27.2 24.6	5 5	94 94	I I	45° 45°	



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3147</b> <b>G3148</b> <b>G3149</b>	IN/EX	45	7	12.05 12.10 12.15	B	C.I.
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L
11121280523	<b>G2073</b> <b>G2074</b> <b>G2075</b> <b>G2782</b> <b>G3141</b> <b>G3142</b> <b>G3143</b> <b>G3144</b>	IN    EX	45    52	7    7	13.05 13.10 13.15 13.25 13.05 13.10 13.15 13.25	B    B	C.I.    C.I.
11121280523	<b>G2073</b> <b>G2074</b> <b>G2075</b> <b>G2782</b> <b>G3141</b> <b>G3142</b> <b>G3143</b> <b>G3144</b>	IN    EX	45    52	7    7	13.05 13.10 13.15 13.25 13.05 13.10 13.15 13.25	B    B	C.I.    C.I.
11122244464	<b>G13599</b> <b>G11021</b> <b>G11022</b>	IN/EX	39.5	6	12.55 12.60 12.65	B	C.I.
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11332249817 11337797710 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I
11321739229	<b>PI 06-0029</b>	I
11321739229	<b>PI 06-0029</b>	I
11332249817 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I
11332249817 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I


**NOTE**  
remarks

**BMW**
**BMW DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2013	4	220 d 2.0 16V 215 d 2.0 16V 418 d 2.0 16V 420 d 2.0 16V <b>Eng. N47D20C</b> <b>Eng. N47D20A</b> 1995 cc.	84	11127797711 11347797712	IN EX	<b>R6620/SCR</b> <b>R6621/RCR</b>	27.2	5	94	I	45°
							24.6	5	94	I	45°
2014	4	225 d 2.0 16V <b>Eng. N47D20D</b> 1995 cc.	84	11127797711 11347797712	IN EX	<b>R6620/SCR</b> <b>R6621/RCR</b>	27.2 24.6	5 5	94 94	I I	45° 45°
2015	4	X1 2.0 d 16V <b>Eng. B47C20A/20B</b> 1995 cc.	84	11127797711 11347797712	IN EX	<b>R6620/SCR</b> <b>R6621/RCR</b>	27.2 24.6	5 5	94 94	I I	45° 45°
2015	4	X5 Sdrive 2.0D X5 Xdrive 2.0D <b>Eng. B47D20B</b> 1995	84	11127797711 11347797712	IN EX	<b>R6620/SCR</b> <b>R6621/RCR</b>	27.2	5	94	I	45°
							24.6	5	94	I	45°
1998	4	320 2.0 TDS 16V <b>Eng. M47D20</b> 1951 cc.	84	11342247077	IN/EX	<b>R6088/BMCR</b>	26	6	100	I	45°
2003	X3 2.0 D 118 D										
2004	120 D <b>Eng. 204D4</b> 1995 cc.										
1999	6	330 3.0 TDS 24V									
1998	6	530 3.0 TDS 24V									
1998	6	730 3.0 TDS 24V									
2000	6	X5 3.0 TDS 24V									
	6	X3 3.0 D <b>Eng. M57D30</b> 2498 cc.									
2005	6	530 D 3.0 24V <b>Eng. M57 306D3- M57N30</b>									
2004	6	535 D 3.0 24V <b>Eng. 306D4 - M57N30</b> 2993 cc.									
2010	6	M550d									
2012		750 d xDrive		11347797712	EX	<b>R6621/RCR</b>	24.6	5	94	I	45°
2011		X5 M50d									
2014		X6 M50d									
<b>NEW</b>		<b>Eng. N57D30C</b> 2993 cc.									
2013	6	430 d 3.0 24V <b>Eng. N57D30A/30B</b> 2993 cc.	84	11127797711 11347797712	IN EX	<b>R6620/SCR</b> <b>R6621/RCR</b>	27.2	5	94	I	45°
							24.6	5	94	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L
	<b>G11313</b> <b>G11314</b>	IN/EX	39	6	11.54 11.59	B	L
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11332249817 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I
11332249817 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I
11332249817 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I
11332249817 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I
11332249817 11332247722	<b>PI 06-0019</b>	I
11332248878 11122247056	<b>RA06-942</b>	
11332249817 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I
11332249817 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I


**NOTE**  
remarks

**BMW DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	6	740 D 3.9 32V <b>Eng. M67D39</b> 3901 cc.	84	11342247077	IN/EX	<b>R6088/BMCR</b>	26	6	100	I	45°
2006 2006 2008	6	X3 3.0 sd 335 D X6 35D <b>Eng. N57N306D5</b> 2993 cc.	84	11347799612 11342247077	IN EX	<b>R6619/SCR</b> <b>R6088/BMCR</b>	27.5 26	6 6	99.8 100	I I	45° 45°
2011	6	X5 M50dx X6 M50dx <b>Eng. N57X</b> <b>Eng. N57D30C</b> 2993 cc.	84	11348506606 11347797712	IN EX	<b>R6931/SCR</b> <b>R6621/RCR</b>	29 24.6	5 5	94 94	I I	45° 45°

## CADILLAC

2006/09	4	BLS 2.0 Turbo 16V <b>Eng. B207L/R</b> 1998 cc.	86	12575793 24454518	IN EX	<b>R6308/SCR</b> <b>R6309/BMCR</b>	35.2 30	6 6	102.2 101	I I	45° 45°
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## CADILLAC DIESEL

2006	4	BLS 1.9D <b>Eng. Z19DTH</b> <b>Up to eng. n.17180894</b> 1910 cc.	82	93185523 93178588	IN EX	<b>R6203/SCR</b> <b>R6204/BMCR</b>	28 26	6 6	114.40 114.40	I I	45° 45°
2009	4	BLS 1.9D <b>Eng. Z19DTH</b> <b>From eng. n.17180895</b> 1910 cc.	82	55206431 55207955	IN EX	<b>R6387/SCR</b> <b>R6388/BMCR</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°

## CATERPILLAR

1959/69	4/6	D4 - D330 - 944 - 955 D333 - 977 - D6	144.3	7M7358E 7M7359E 9M4163	IN EX	<b>R3178/S</b> <b>R3179/R</b>	48 45	9.5 9.5	166.5 166.5	K K	30° 30°
	8	<b>Eng. 3208</b> 10400 cc. <b>Eng. 1140 - 1145</b> <b>Eng. 1150 - 1160</b>	114.3	9L7682 9L7683	IN EX	<b>R4303/R</b> <b>R4304/R</b>	53.2 46	9.5 9.5	145 144.5	K K	30° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11313</b> <b>G11314</b>	IN/EX	39	6	11.54 11.59	B	L
	<b>G11313</b> <b>G11314</b>	IN/EX	39	6	11.54 11.59	B	L
	<b>G11528</b> <b>G11529</b>	IN/EX	36	5	10.05 10.10	B	L
9006082	<b>G11379</b> <b>G11380</b>	IN/EX	36	6	10.04 10.09	G	L
55186786	<b>G11302</b> <b>G11303</b>	IN/EX	47	6.02	11.03 11.06	G	C.I.
55186786	<b>GS11302</b>	IN/EX	47	6.02	11.03	SM	C.I.
55210016	<b>G11481</b>	IN/EX	46.7	5	10.03	G	L
55210015	<b>G11482</b>	IN/EX	46.7	5	10.06	G	L
55210016	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L
4N3668	<b>G2101</b>	IN/EX	82	9.55	16.72	G	C.I.
2P1262	<b>G2698</b>	IN/EX	71	9.53	16.72	G	L-Z
1487425	<b>G11247</b>	IN/EX	70.5	9.53	16.72	G	L-Z

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
11332249817 11332248878 11122247056	<b>PI 06-0019</b> <b>RA06-942</b>	I
11332249817 11332247722 11332248878 11122247056	<b>PI 06-0019</b> <b>RA06-942</b>	I
11332249817 11337812893	<b>PI 06-0019</b> <b>RA06-949</b>	I
46475925 46764765 55200333	<b>PI 06-0019</b> <b>RA06-903</b> <b>RA06-901</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I


**NOTE**  
remarks





**PI 06-0019**  
Ball 8.3 MM

**RA06-903**  
55X17R17X10  
**RA06-901**  
57X17R17X10

**BMW DIESEL**
**CADILLAC**
**CADILLAC DIESEL**
**CATERPILLAR**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	4/6	D4 - D4D - D5 - D6C 977 - 11K - 76J 3304 - 3306 920 - 922B - 930 - 944 950 - 951B - 951C 955K - 966C - 12F-14E 112F - 120 - 140	120.65	5S6452	IN	<b>R3934/S</b>	51.5	9.5	140	K	30°
				5S6449	EX	<b>R3935/R</b>	48	9.5	139	K	30°
	4/6	D4 - D4D - D5 - D6C 977 - 11K - 76J 3304 - 3306 920 - 922B - 930 - 944 950 - 951B - 951C 955K - 966C - 12F-14E	120.65	5S6452	IN	<b>R3934/S</b>	51.5	9.5	140	K	30°
				5S7232 8N0875	EX	<b>R3936/R</b>	48	9.5	139	K	30°
	4/6	112F - 120 - 140 D7F - 980B D330C - D333C Scrapers 627 - 637	120.65	7S8809	IN	<b>R3937/S</b>	51.5	9.5	140	K	30°
				9N6117 2W2621	EX	<b>R3936/R</b>	48	9.5	139	K	30°
				5S7232 8N0875 7S6767			<b>R3938/BMAR</b>	48	9.5	139	K
	4/6	120G - 130G - 518 950 - 955L D4D - SA 920 - 930 - 941B - 951 D6C - SA - D7G 14G - 235 - 528 - 571 572G - 627B - 637 814 - 5 - 6 996C - 977L D5 - SA - 12G 561C 980B 16G 245 621B - 623B <b>Eng. 3304T-3304NA</b> <b>Eng. 3306T-3306NA</b> <b>Eng. 3306TA</b> <b>Eng. 3406T-3406TA</b>	120.65	2W2620	IN	<b>R4343/R</b>	51.5	9.5	136.5	K	30°
				6N9915 7N0572 1007860  7N0573 6N9916 1487455 1007861	EX	<b>R4344/R</b>	48	9.5	135	K	30°
	4	<b>Eng. 3116</b>	126.9	7W8064	IN	<b>R4953/BM</b>	47	8	177	EE	30°
				1614280 611589 7W2699 1051779 1360819 6115590	EX	<b>R4951/BMAR</b>	40	8	177	EE	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1984	6	Eng. 3406 Serial 92U1 3408 Serial 28V1 3412 Serial 60M1-38S1	137.16	1W3859 2W2622 1152368 4N5654 1W3860 7N4580 4N5633 1152367 1061111	IN	<b>R4096/RCR</b>	45	9.5	181.5	K	30°
					EX	<b>R4097/RCR</b>	41.8	9.5	181.5	K	45°
	6	988 - 620 - 631 - 641 650 - 651 - 657 - 666 824 - 824/B - 825/B 830 - 834 - 835	137.16	1P407 2M6402 1N4885 1P2629 2M6403 8N3725 7E7830	IN	<b>R4345/RCR</b>	45	9.5	152	K	45°
					EX	<b>R4346/RCR</b>	42	9.5	152	K	45°
1958/69	4/6	D7 Serial N. 17A D8 Serial N. 13A - 13A1 14A - 14A1 - 15A - 15A1 - 35A1 - 36A1 Eng. D364 - D375 Eng. D386 - D397	146.05	8H1993 8H1994	IN	<b>R3506/S</b>	59.5	12.6	236	G	45°
					EX	<b>R3507/R</b>	58	12.6	235	G	45°
	6 8 12	D9 Serial N. 18A1 19A1 - 34A1 - 49A1 50A1 - 66A1 D379 - D398	158.75	7M7817 8H7097 8N3723	IN	<b>R3941/R</b>	63.5	12.5	238.5	G	30°
					EX	<b>R3942/R</b>	60	12.5	238.5	G	30°
	V8 V12	Eng. G379 Eng. D398	158.75	1W8606 1W1822 2W3211	IN	<b>R4968/BMAR</b>	63.5	9.3	238.5	K	30°
					EX	<b>R4969/BMAR</b>	60	9.3	238.6	K	30°
	8	Eng. 3204		9L7682 9N5125 1196772	IN	<b>R4303/R</b>	53.2	9.45	145	K	30°
					EX	<b>R4675/BMAR</b>	46	9.45	144.5	K	45°
	V16	Eng. 3516	170.18	7E4609 1047184	IN/EX	<b>R6040/BMAR</b>	56	9.5	219	K	30°
		D3 Eng. 3204		9N0180 9N0185	IN	<b>R4868/S</b>	48	9.5	150	K	30°
					EX	<b>R4869/R</b>	45.8	9.5	149.7	K	45°
		Eng. 3066 CLZ-HBC		5I7738 5I7739	IN	<b>R6393/RNT</b>	44	8	134.2	M	30°
					EX	<b>R6394/RNT</b>	37	8	134	M	30°
		Eng. 3408 Eng. EI GY		122-0322 122-0321	IN	<b>R6490/BMARCR</b>	45	9.5	184.4	K	30°
					EX	<b>R6491/BMARCR</b>	41.9	9.5	184.3	K	45°

## CHEVROLET





2010	4	Spark 1.0 Eng. B10D1 995 cc.	68	96463002 96463003	IN	<b>R6807/SNT</b>	25.86	5	99.20	S	45°
					EX	<b>R6808/RNT</b>	23.45	5	100	S	45°
1986	3	Tico - Matiz Eng. F8B - F8CV 796 cc.	68.5	12911-78B00-000 12915-78B00-222 11915A78B01-000	IN	<b>R4894/SNT</b>	35.7	5.5	110.5	S	45°
					EX	<b>R4895/RNT</b>	31.7	5.5	110.3	S	45°





## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003	4	Matiz 1.0 i <b>Eng. B10S</b> 995 cc.	68.5	12911-78B00-000	IN	<b>R4894/SNT</b>	35.7	5.5	110.5	S	45°
				12915-78B00-222	EX	<b>R4895/RNT</b>	31.7	5.5	110.3	S	45°
				11915A78B01-000							
2002 2006 2011	4	Kalos 1.2 Aveo 1.2 Spark 1.2 <b>Eng. F12S3 - B12D1</b> 1148 cc	68.5	94580146 96352793 96352783	IN EX	<b>R4894/SNT</b> <b>R4895/RNT</b>	35.7 31.7	5.5 5.5	110.5 110.3	S S	45° 45°
2013	4	Spark 1.2 16V <b>Eng. LMU</b> 1206 cc.	69.7	94580146 96352793 96352783	IN EX	<b>R4894/SNT</b> <b>R4895/RNT</b>	35.7 31.7	5.5 5.5	110.5 110.3	S S	45° 45°
2012	4	Cruze 1.4 i 16V Orlando 1.4 i 16V Trax 1.4 i 16V <b>Eng. LUJ</b> 1362 cc.	72.5	55565339	IN	<b>R4878/SCR</b>	28	5	93.8	I	45°
				55570170	EX	<b>R4879/RCR</b>	25	5	93.8	I	45°
2012	4	Cruze 1.4 Turbo 16V <b>Eng. A14NT-LUJ</b> 1364 cc.	72.5	55565339 55570170	IN EX	<b>R4878/SCR</b> <b>R4879/RCR</b>	28 25	5 5	93.8 93.8	I I	45° 45°
2012	4	Volt-e-Rev 1.4 i 16V <b>Eng. LUU-X30F</b> 1364 cc.	73.4	90529527 90529529	IN EX	<b>R4878/SCR</b> <b>R4879/RCR</b>	28 25	5 5	93.8 93.8	I I	45° 45°
2011	4	Aveo 1.4 16V <b>Eng. A14XER</b> 1398 cc.	73.4	90529527 90529529	IN EX	<b>R4878/SCR</b> <b>R4879/RCR</b>	28 25	5 5	93.8 93.8	I I	45° 45°
1996	4	Nexia 1.5 <b>Eng. G15MF</b> 1498 c.	76.5	90215492	IN	<b>R6090/SCR</b>	38	7	101.7	E	45°
				96098751	EX	<b>R6091/RCR</b>	31	7	101.7	E	45°
1994 1995	4	Espero 1.5 16V Nexia 1.5 16V <b>Eng. A15MF</b> 1498 cc.	76.5	96103129 96103130	IN EX	<b>R4986/SCR</b> <b>R4987/RCR</b>	30.3 26	6 6	102.4 102	E E	45° 45°
1997  1997	4	Lanos 1.4 i 8V <b>Eng. A13DM/13SMS</b> 1349 cc. Lanos 1.5 i 8V <b>Eng. A15DM/15SMS</b> 1498 cc.	76.5	96182934 96182933	IN EX	<b>R6094/SCR</b> <b>R6095/RCR</b>	38 31	7 7	103.5 103.5	E E	45° 45°
2002 2003	4	Kalos 1.4 i 8V Aveo 1.4 i 8V <b>Eng. F14S3</b> 1399 cc.	77.9	96335947 96335948	IN EX	<b>R6399/SNT</b> <b>R6400/RNT</b>	38 31	6 6	104 104	I I	45° 45°
2003 2004	4	Kalos 1.4 i 16V Lancetti 1.4 i 16V <b>Eng. F14D3-F14D5</b> 1399 cc.	77.9	96376881 96440081 96376980 96440079	IN EX	<b>R6462/SCR</b> <b>R6463/RCR</b>	28.5 27.3	6 6	101.6 101.3	S S	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11115A-70B00	<b>G11184</b> <b>G11185</b>	IN/EX	43	5.5	11.07 11.12	G	C.I.-X
94580080	<b>G11184</b> <b>G11185</b>	IN/EX	43	5.5	11.07 11.12	G	C.I.-X
94580080	<b>G11184</b> <b>G11185</b>	IN/EX	43	5.5	11.07 11.12	G	C.I.-X
	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
96350913	<b>G11417</b> <b>GS11417</b>	IN/EX IN/EX	47.5 47.5	7.02 7.02	11.03 11.03	G SM	L L
96103034	<b>G11268</b> <b>G11269</b>	IN/EX	40	5.99	11.06 11.11	G	L
96350913	<b>G11417</b> <b>GS11417</b>	IN/EX IN/EX	47.5 47.5	7.02 7.02	11.03 11.03	G SM	L L
96338200	<b>G11443</b> <b>G11444</b>	IN/EX	47.5	6	11.04 11.09	G	L
	<b>GS11443</b>	IN/EX	47.5	6	11.04	SM	L
96336671	<b>G11268</b>	IN/EX	40	5.99	11.06	G	L





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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
94580144 96951789	<b>RA06-996</b>	
	<b>PI 06-0008</b> <b>RA06-910</b>	I
	<b>PI 06-0008</b> <b>RA06-910</b>	I
	<b>PI 06-0008</b> <b>RA06-910</b>	I
	<b>PI 06-0008</b> <b>RA06-910</b>	I
05233315	<b>PI 06-0009</b> <b>RA06-920</b>	I
	<b>PI 06-0010</b>	I
05233315	<b>PI 06-0009</b> <b>RA06-920</b>	I
05233315	<b>PI 06-0009</b>	I
96376400	<b>PI 06-0010</b>	I


**NOTE  
remarks**
**CHEVROLET**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1997	4	Lanos 1.6 i 16V	79	96182806	IN	<b>R6096/SCR</b>	30.3	6	102.5	E	45°
2000	4	Nubira 1.6 i 16V Tacuma 1.6 i 16V <b>Eng. A16DMS</b> 1598 cc.		96182805	EX	<b>R6097/RCR</b>	26	6	102	E	45°
2009	4	Cruze 1.6 i 16V	79	55557862	IN	<b>R6366/SCR</b>	31.2	5	117.2	I	45°
2011		Aveo 1.6 i 16V		55558728	EX	<b>R6367/BMCR</b>	27.5	5	116.2	I	45°
2012		Trax 1.6 i 16V <b>Eng. F16D4-LDE</b> 1598 cc.									
2009	4	Cruze 1.8	82	55557741	IN	<b>R6504/SCR</b>	31	5	114	I	45°
2011		Cruze 1.8		71744388	EX	<b>R6505/BMCR</b>	27.5	5	113.2	I	45°
2013		Trax 1.8 <b>Eng. F18D4</b> 1796 cc.									
1995	4	Espero 1.8	84.8	90220119	IN	<b>R4592/SCR</b>	41.8	7	103.8	E	45°
		<b>Eng. C18LE</b> 1796 cc.		90323756	EX	<b>R4593/RCR</b>	36.5	7	103.6	E	45°
1995	4	Espero 2.0	86	90323757							
2000		Tacuma 1.8 SX	84.8	96230591	IN	<b>R6165/SCR</b>	38	6	101.3	I	45°
		<b>Eng. F18N</b> 1761 cc.		96230595	EX	<b>R6166/RCR</b>	31.4	6	101.1	I	45°
1999	4	Nubira 2.0 i 16V	86	90412277	IN	<b>R4649/SCR</b>	32	6	102.1	I	45°
1997		Leganza 2.0 i 16V		641022							
		Evanda 2.0 i 16V		641325	EX	<b>R4650/BMCR</b>	29	6	92.2	I	45°
2000	4	Tacuma 2.0 i 16V		90410813							
2005		Epica 2.0 i 16V <b>Eng. T20SED</b> 1998 cc.									
1999/02	4	Leganza 2.2 i 16V	86	90412277	IN	<b>R4649/SCR</b>	32	6	102.1	I	45°
		<b>Eng. T22SED</b> 2198 cc		641022	EX	<b>R4650/BMCR</b>	29	6	92.2	I	45°
				641325							
				90410813							

## CHEVROLET DIESEL

2011	4	Aveo 1.3 D 16V	69.6	EURO 4	IN	<b>R6304/SCR</b>	21.9	6	109.2	I	45°
		Cruze 1.3 D 1.3 16V		EURO 5	EX	<b>R6305/BMCR</b>	21.9	6	109.2	I	45°
		<b>Eng. LDV</b>			IN	<b>R6636/SCR</b>	22.45	6	109.2	I	45°
		<b>Eng. LSF</b> 1248 cc.			EX	<b>R6640/BMCR</b>	22.45	6	109.2	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
96103034	<b>G11268</b> <b>G11269</b>	IN/EX	40	5.99	11.06 11.11	G	L
71739771	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
642014	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
	<b>G11479</b>	IN/EX	37	5	10.03	G	C.I.
	<b>G11480</b> <b>GS11479</b>	IN/EX	37	5	10.06 10.03	SM	C.I.
71739771	<b>G11479</b> <b>G11480</b>	IN/EX	37	5	10.03 10.06	G	C.I.
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
90502079	<b>G3511</b> <b>G11150</b> <b>G11151</b>	IN/EX	45	6	10.05 10.10 10.15	G	C.I.
90502079	<b>G3511</b> <b>G11150</b> <b>G11151</b>	IN/EX	45	6	10.05 10.10 10.15 10.15	G	C.I.
90502079	<b>G3511</b> <b>G11150</b> <b>G11151</b>	IN/EX	45	6	10.05 10.10 10.15 10.15	G	C.I.
	<b>G11310</b> <b>G11311</b>	IN/EX	43	6.02	10.03 10.07	G	C.I.
	<b>GS11310</b>	IN/EX	43	6.02	10.03	SM	C.I.

**PI PUNTERIE · LIFTERS  
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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
96184997 96376400	<b>PI 06-0010</b>	I
05233315	<b>PI 06-0009</b>	I
05233315	<b>PI 06-0009</b>	I
	<b>PI 06-0010</b>	I
	<b>PI 06-0010</b>	I
	<b>PI 06-0019</b> <b>RA06-900</b>	I






 NOTE  
remarks

CHEVROLET

CHEVROLET DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2012	4	Trax 1.7 TD Cruze 1.7 TD <b>Eng. LUD</b> 1686 cc.	79	98113743	IN	<b>R6645/SNT</b>	27.40	6	102.6	S	45°
				97385842	EX	<b>R6646/RNT</b>	25.45	6	102.4	S	45°
2000	4	Truck Plus <b>Eng. XUD9 - 162</b> 1905 cc.	80	50054982	IN	<b>R4243/SCR</b>	38.5	8	112.4	E	45°
				50060609	EX	<b>R3988/RCR</b>	33	8	112	E	45°
2007	4	Nubira 2.0 TCDI Captiva 2.0 VCDI Epica 2.0 VCDI <b>Eng. Z20DM - Z20DMH</b> 1991 cc.	83	96951454	IN	<b>R6548/SCR</b>	28.5	6	95.7	I	45°
				96951455	EX	<b>R6549/RCR</b>	24.4	6	95.7	I	45°
2010 2011	4	Cruze 2.0 TD Orlando 2.0 TD <b>Eng. Z20D1</b> 1998 cc.	86	25183821	IN	<b>R6787/SCR</b>	28.8	5	101.9	I	45°
				25183822	EX	<b>R6788/RCR</b>	26.45	5	101.9	I	45°
2011	4	Captiva 2.2 TD <b>Eng. Z22D1</b> 2231 cc.									





## CHRYSLER

2014	4	Renegade 1.4 Turbo 16V <b>Eng. 55263624</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°
				55239748	EX	<b>R6589/BMARCR</b>	22.4	6	94.7	I	45°
2001	4	Neon 1.6 i 16V <b>Eng. R50</b> 1598 cc.	77	11341485585	IN	<b>R6252/SCR</b>	30.3	6	109.5	I	45°
				11347513023 04777770AB 11347829943 11347513024 04777772AB/AC	EX	<b>R6253/BMCR</b>	23.3	6	118.3	I	45°
2004	4	PT Cruiser 1.6 i 16V <b>Eng. R50</b> 1598 cc.	77	11341485585	IN	<b>R6252/SCR</b>	30.3	6	109.5	I	45°
				11347513023 04777770AB 11347829943 11347513024 04777772AB/AC	EX	<b>R6253/BMCR</b>	23.3	6	118.3	I	45°
2006/10	4	Sebring 2.0 i 16V <b>Eng. ECN</b> 1998 cc.	86	KMN187696	IN	<b>R6811/SNT</b>	35	5.5	113.30	S	45°
				KMN183950	EX	<b>R6812/RNT</b>	28.96	5.5	106	S	45°
1996/99 2000 2001	4	Neon 2.0 i 16V PT Cruiser 2.0 i 16V Sebring 2.0 i 16V <b>Eng. ECC</b> 1995 cc.	87.5	04667969AB	IN	<b>R6597/SCR</b>	34.8	6	111.6	I	45°
				04777898AA 04884690AA	EX	<b>R6598/RCR</b>	28.5	6	109.8	I	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2000	4	PT Cruiser 2.4 i 16V	87.5	04667969AB	IN	<b>R6597/SCR</b>	34.8	6	111.6	I	45°	
2001		Sebring 2.4 i 16V		04777898AA	EX	<b>R6598/RCR</b>	28.5	6	109.8	I	45°	
1995		Stratus 2.4 i 16V										
2000		Voyager 2.4 i 16V										
2003		PT Cruiser 2.4 i 16V <b>Eng. EDZ</b> <b>Eng. EDV</b> 2429 cc.										
2006	4	Compass 2.4 i 16V	88	KMN187696	IN	<b>R6811/SNT</b>	35	5.5	113.30	S	45°	
		Patriot 2.4 i 16V <b>Eng. ED3-ERZ</b> 2359 cc.		KMN183950	EX	<b>R6812/RNT</b>	28.96	5.5	106	S	45°	

## CHRYSLER DIESEL

2014 <b>NEW</b>	4	Renegade 1.6 MJT 16V	79.5	55254226	IN	<b>R6867/SCR</b>	26.6	5	114.4	I	45°
		<b>Eng. EJK-55263113</b> 1598 cc.		55220016	EX	<b>R6388/BMCR</b>	24.5	5	114.4	I	45°
2007	4	Sebring 2.0 CRD 16V	81	68001582AA	IN	<b>R6372/S</b>	29.1	6	87.8	I	45°
2008		Compass 2.0 Tdi 16V Patriot 2.0 Tdi 16V <b>Eng. ECD-BSY-BYL</b> <b>Eng. BWD-ECE</b> 1968 cc.		68001583AA	EX	<b>R6373/BM</b>	25.4	6	87.5	I	45°
2006	V6	Cherokee 3.0 CRD 24V	83	5175396AA	IN	<b>R6473/SCR</b>	28.5	6	102.3	I	45°
		Commander 3.0 CRD 24V <b>Eng. EXL-OM642.980</b> OM642.982 2987 cc.		5175397AA	EX	<b>R6474/RCR</b>	25.4	6	102.3	I	45°
2014	4	Renegade 2.0 MJT 16V	83	55251295	IN	<b>R6868/SCR</b>	26.6	5	114.4	I	45°
		<b>Eng. EBT-55263088</b> <b>Eng. 55263087</b> 1956 cc.		55220016	EX	<b>R6388/BMCR</b>	24.5	5	114.4	I	45°
2002	4	PT Cruiser 2.2 CRD 16V	88	050 73 735AA	IN	<b>R6173/SNT</b>	30.1	7	104	S	45°
		<b>Eng. OM664</b> 2151 cc.		050 73 738AA	EX	<b>R6174/RNT</b>	28.4	7	104.4	S	45°
1991/92	4	Voyager 2.5 TD	92	047 20 146	IN	<b>R3598/RCR</b>	40	8	121	E	35°
		<b>Eng. VM</b> 2499 cc.		047 20 148	EX	<b>R3599/RCR</b>	34	8	121	E	45°
2001	4	Voyager 2.5 CRD 16V	92	05066770AA	IN	<b>R6460/SCR</b>	32.4	6	109	I	45°
2004		Voyager 2.8 CRD 16V <b>Eng. HR425-HR428</b> <b>Eng. RA428-RA425</b> 2499-2776 cc.		05066769AA	EX	<b>R6461/BMCR</b>	30.9	6	108.3	I	45°
2002/08	4	Wrangler 2.8 CRD 16V	84	05066770AA	IN	<b>R6460/SCR</b>	32.4	6	109	I	45°
		<b>Eng. 30C-31C-ENR</b> R428 DOHC 2777 cc.		05066769AA	EX	<b>R6461/BMCR</b>	30.9	6	108.3	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
04667411	<b>G11501</b>	IN/EX	44	6	11.08	G	L
	<b>GS11619</b> <b>GS11620</b>	IN/EX	44	5.5	11.04 11.09	SM	L
	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7	5	10.03 10.06 10.03	G SM	L L
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11398</b> <b>G11399</b>	IN/EX	34.5	6	11.56 11.60	G	C.I.
	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7	5	10.03 10.06 10.03	G SM	L L
	<b>G11054</b> <b>G11055</b> <b>G11056</b>	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
	<b>G3126</b> <b>G3127</b>	IN/EX	55	8	14.07 14.12	G	L
5066773AA	<b>G11476</b>	IN/EX	44.5	6.01	11.03	G	C.I.
5066773AA	<b>G11476</b>	IN/EX	44.5	6.01	11.03	G	C.I.

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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-933</b>	I
68001578AA 68001577A 68001580AA 68001579AA	<b>PI 06-0042</b> <b>PI 06-0045</b> <b>PI 06-0044</b> <b>PI 06-0043</b>	I I I I
	<b>RA06-970</b> <b>PI 06-0019</b>	I
	<b>PI 06-0019</b> <b>RA06-933</b>	I






 NOTE  
remarks

CHRYSLER

CHRYSLER DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2007	4	Chrysler 2.8 CRD <b>Eng. ENS</b> 2777 cc.	94	K68027469AA K68027470AA	IN EX	<b>R6817/SCR</b> <b>R6818/BMCR</b>	31.8	6	107.6	I	45°
							29.2	6	107.8	I	45°
2007	4	Wrangler 2.8 CRD 16V <b>Eng. 51C-52C-ENS</b> <b>RA428</b> 2777 cc.	94	K68027469AA K68027470AA	IN EX	<b>R6817/SCR</b> <b>R6818/BMCR</b>	31.8	6	107.6	I	45°
							29.2	6	107.8	I	45°



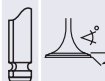
## CITROËN

1967	2	Dyane 2 CV	68.5	AYA124-7E AYA124 -8C	IN EX	<b>R3367/S</b> <b>R3368/XB</b>	39	8	91	I	30°	
							32	8.5	89	I	45°	
1993	4	AX 10E - 10RE <b>Eng. TU9M</b> 954 cc.	70	97531079 97531046	IN EX	<b>R4228/S</b> <b>R4229/RCR</b>	34.7	7	112.8	E	30°	
							27.7	7	112.6	E	45°	
1984	4	LNA 4 CV 954 cc.	70	95563504 95551307	IN EX	<b>R3627/S</b>  <b>R3628/R</b>	37	8	113.5	E	30°	
1982		BX 11	72	0948.38			EX	29	8	113.5	E	45°
1983		LNA11 RE/RS		9556305 95551308								
1978		Visa Super - E-L <b>Eng. 109/5F</b> 1124 cc.		0949.33 0949.42								
2003	4	C2 1.1 C3 1.1 <b>Eng. TU1JP</b> 1124 cc.	70	0948.91 97531044 97533264	IN EX	<b>R6110/S</b> <b>R4231/RCR</b>	36.7	7	112.7	E	45°	
							29.2	7	112.6	E	45°	
2005	3	C1 1.0 12V <b>Eng. 1KR-FE</b> 998 cc.	71	0948.E2 0949.C8	IN EX	<b>R6439/SNT</b> <b>R6440/RNT</b>	27.5	5	88.5	S	45°	
							23.6	5	89.1	S	45°	
2012	3	C3 1.0 Vti <b>Eng. ZMZ-EBO</b> 999 cc.	71	1608838680 1608838780	IN EX	<b>R6952/S</b> <b>R6953/RNT</b>	27	5	92.60	S	45°	
							24.20	5	93	S	45°	
2016	3	C3 1.0 VVTI 12V <b>Eng. ZMZ/EBO</b> 999 cc.	71	9676359080 9676359180	IN EX	<b>R6805/S</b> <b>R6806/RNT</b>	29.10	5	92.55	S	45°	
							26.10	5	91.80	S	45°	
1986	4	AX 11 RE-TRE <b>Eng. TU1</b>	72	97531080 97533266 97531044 97533264	IN EX	<b>R4230/S</b>  <b>R4231/RCR</b>	36.7	7	112.8	E	30°	
1993		ZX Reflex					EX	29.2	7	112.6	E	45°
1996		Saxo1.1i X - SX - VSX										
1997		Exper - Berlingo 1.1i 1124 cc. <b>Eng. TU1K - TU1MZ</b> 1124 cc.										
1988/96	4	C15 1.1 <b>Eng. HDZ-TU1M</b> 1124 cc.	72	0948.58 0949.59	IN EX	<b>R4230/S</b> <b>R4231/RCR</b>	36.7 29.2	7 7	112.8 112.6	E E	30° 45°	



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996/99	4	Berlingo 1.4 <b>Eng. TU3-2</b> 1360 cc.	72	97531080	IN	<b>R4230/S</b>	36.7	7	112.8	E	30°
				97533266	EX	<b>R4231/RCR</b>	29.2	7	112.6	E	45°
1968/79	2	Ami 6/8 Dyane 6 2 CV - LN 602cc.	74	AM124-7E		IN	<b>R3365/S</b>	40	8	88.5	I
				AM124-8D	EX	<b>R3366/R</b>	34	8.5	86.5	I	45°
1973	4	Ami Super 1015 cc. Axel 11 R GSA 6 CV - GS 1129 cc.	74	5457480K	IN	<b>R3363/S</b>	39	8	97.5	I	30°
				5457481W	EX	<b>R3364/RCR</b>	34	8.5	96	I	45°
1972/80	4	GS 1200 - GS 1220 1222 cc.	77								
2012 2016	3	C3 II 1.2 THP 110 C3 III 1.2 Vti C4 II 1.2 Vti	75	1608838680	IN	<b>R6952/S</b>	27	5	92.60	S	45°
				1608838780	EX	<b>R6953/RNT</b>	24.20	5	93	S	45°
2013 <b>NEW</b>		DS3 1.2 Vti <b>Eng. EB2DTM</b> 1199 cc.									
19840 1984 1981	4	BX 14E-TRE Visa Super X Visa 14 TRS Visa GT-Chrono XT <b>Eng. 150 A/B/C</b> 1361 cc.	75	95563504	IN	<b>R3627/S</b>	37	8	113.5	E	30°
				95551307	EX	<b>R3628/R</b>	29	8	113.5	E	45°
0948.38											
9556305											
95551308											
0949.33											
0949.42											
1986 1987 1991 1993 1991 1993 1996	4	AX 14 TRS-TZS-TZX AX GT AX XT AX 14 TGS ZX Reflex - Advantage ZX Tilt 1.4i Xara 1.4i XP - SX Saxo 1.4i VTL - SX	75	97531080	IN	<b>R4230/S</b>	36.7	7	112.8	E	30°
				97533266	EX	<b>R4231/RCR</b>	29.2	7	112.6	E	45°
0948.58											
97531044											
97533264											
0949.59											
1996		Xara 1.4i XP - SX Saxo 1.4i VTL - SX									
1997		Berlingo 1.4i 1361 cc. <b>Eng. TU3</b> 1361 cc.									
1987/96		C15 1.4 <b>Eng. KDY-TU3FM/M</b> 1361 cc.									
2003	4	C2 1.4 C3 1.4 <b>Eng. TU3JP</b> 1360 cc.	75	0948.91	IN	<b>R6110/S</b>	36.7	7	112.7	E	45°
				0949.59	EX	<b>R4231/RCR</b>	29.2	7	112.6	E	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.59	<b>G3159</b> <b>G3160</b>	IN/EX	47.5	7	13.06 13.11	G	C.I.
	<b>G11524</b> <b>G11525</b> <b>G11526</b> <b>G11527</b>	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L
220510 790210	<b>G2700</b> <b>G2793</b>	IN/EX	47.5	8	13.06 13.11	G	C.I.
0220.59	<b>G3159</b> <b>G3160</b>	IN/EX	47.5	7	13.06 13.11	G	C.I.
	<b>G11033*</b> <b>G11034*</b>	IN/EX	47.5	7	13.06 13.11	B	C.I.
0220.59	<b>G3159</b> <b>G3160</b>	IN/EX	47.5	7	13.06 13.11	G	C.I.

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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE remarks
<b>G11033*</b> * BRONZE VERSION

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	4	C2 1.4 i 16V C3 1.4 i 16V C4 1.4 i 16V <b>Eng. ET3J4-KFU</b> 1360 cc.	75	0948.C8 0949.C4	IN EX	<b>R6441/S</b> <b>R6442/BMCR</b>	28.2 24.35	5.5 5.5	100.7 101.1	I I	45° 45°
2008	4	Nemo 1.4 i <b>Eng. KfV (TU3JP)</b> 1361 cc.	75	0948.58 0949.59	IN EX	<b>R4230/S</b> <b>R4231/RCR</b>	36.7 29.2	7 7	112.8 112.6	E E	30° 45°
2013 2014 2016	3	C3 1.2 Vti 12V C1 1.2 Vti 12V C4 Cactus 1.2 Vti 12V C- Elysée 1.2 Vti 12V <b>Eng. HM01-HMZ.-EB2</b> EB2F 1199 cc.	75	9676359080 9676359180	IN EX	<b>R6805/S</b> <b>R6806/RNT</b>	29.10 26.10	5 5	92.55 91.80	S S	45° 45°
2014 2015 <b>NEW</b>	3	C4 1.2 THP Turbo 12V DS4 1.2 THP Turbo 12V DS3 1.2 THP Turbo 12V <b>Eng. HNY - EB2DTS</b> 1199 cc.	75	9801960980 9807645980 9675073180	IN EX	<b>R6936/SCR</b> <b>R6937/BMAR</b>	26.39 23.77	5 5.15	93.48 92.90	S S	45° 45°
2012 <b>NEW</b>	4	C4 II Aircross 1.6 <b>Eng. 4A92</b> 1590 cc.	75	1607612780 1607612580	IN EX	<b>R8007/SNT</b> <b>R8008/RNT</b>	30.45 25.45	5 5	87.30 88.60	S S	45° 45°
1979	2	LNA Visa Club 652 cc.	77	95551313 95551314	IN EX	<b>R3983/S</b> <b>R3984/RCR</b>	39.5 35.5	8 8.5	87.5 86.5	I I	45° 45°
1974/78 1979	4 4	GS X2 <b>Eng. G12/619</b> 1222 cc. Axel 1300 - GSA X3 <b>Eng. T13/653</b> 1299 cc.	77 79.4	5468599U 5459813 5468600E 5459814	IN EX	<b>R3621/S</b> <b>R3622/RCR</b>	38 36	8 8.5	95 94	I I	45° 45°
2008 2009	4	C3 1.4 i 16V C4 1.4 i 16V DS3 1.4 i 16V <b>Eng. 8 FP EP3</b> 1397 cc.	77	753388480 753388580	IN EX	<b>R6712/S</b> <b>R6725/R</b>	29.95 25.10	5 5	97.10 110.75	I I	45° 45°
2008 2010 2011	4	C3 1.6 i 16V C4 1.6 i 16V DS3 1.6 i 16V DS4 1.6 i 16V <b>Eng. 5FS EP6C</b> 1598 cc.	77	753388480 753388580	IN EX	<b>R6712/S</b> <b>R6725/R</b>	29.95 25.10	5 5	97.10 110.75	I I	45° 45°
2011	4	DS4 - DS5 <b>Eng. 5FU (EP6DTX)</b> 1598 cc.	77	0948.G4 0949.E2	IN EX	<b>R6711/S</b> <b>R6664/RCR</b>	29.70 26	5 5	95.10 110.1	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11495</b> <b>G11496</b>	IN/EX	38	5.5	10.57 10.60	B	L
0220.59	<b>G3159</b> <b>G3160</b>	IN/EX	47.5	7	13.06 13.11	G	C.I.
	<b>G11524</b> <b>G11525</b> <b>G11526</b> <b>G11527</b>	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L
	<b>G11633</b> <b>G11634</b>	IN EX	39 36.5	5 5.18	9.07 9.07	B B	L L
1607589980	<b>G11640</b>	IN/EX	34.4	5	10.6	B	L-X-U
	<b>G11524</b> <b>G11525</b> <b>G11526</b> <b>G11527</b>	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L

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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.42 0942.51 0942.52 0942.53 0903.68	<b>PI 06-0019</b>    <b>RA06-978</b>	I
	<b>PI 06-0046*</b> <b>PI 06-0047*</b> <b>RA06-950</b>	I I
	<b>PI 06-0046*</b> <b>PI 06-0047*</b> <b>RA06-950</b>	I I
0903.J6	<b>RA06-950</b>	


**NOTE  
remarks**

	<b>PI 06-0046*</b> 12X29.90 <b>PI 06-0047*</b> 12X39.30	
	<b>PI 06-0046*</b> 12X29.90 <b>PI 06-0047*</b> 12X39.30	

**CITROËN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	Saxo 1.6i VTS 16V <b>Eng. TU5J4</b> 1587 cc.	78.5	96254648	IN	<b>R4975/SCR</b>	28.8	6	104.4	S	45°
				96254645	EX	<b>R4976/RCR</b>	24.5	6	104.4	S	45°
1996	4	Saxo 1.6i VTR - SX Xara 1.6i 1587 cc.	78.5	96183535	IN	<b>R4881/S</b>	39.4	7	111.7	I	30°
				96101887	EX	<b>R4882/RCR</b>	31.3	7	111.5	I	45°
1998	4	Xsara 1.6i <b>Eng. TU5JP</b> <b>From Eng. 7875</b> 1587 cc.	78.5	0948.93	IN	<b>R6089/S</b>	39.4	7	111.7	I	45°
				96101887	EX	<b>R4882/RCR</b>	31.3	7	111.5	I	45°
2000	4	Xsara/Picasso 1.6 i 16V <b>Eng. NFU-TU5JP</b> 1587 cc.	78.5	0948.A9	IN	<b>R6147/S</b>	31.2	6	103.8	S	45°
				0948.E0 0949.A8 0949.C5	EX	<b>R6148/RCR</b>	24.5	6	104.4	S	45°
2003	4	C2 1.6 i 16V C3 1.6 i 16V <b>Eng. NFU -TU5JPA</b> 1587 cc.	78.5	0948.A9	IN	<b>R6147/S</b>	31.2	6	103.8	S	45°
				0948.E0 0949.A8 0949.C5	EX	<b>R6148/RCR</b>	24.5	6	104.4	S	45°
2000 2004	4	Berlingo 1.6 i 16V C4 1.6 i 16V <b>Eng. NFU-TU5JP4</b> 1587 cc.	78.5	0948.A9	IN	<b>R6147/S</b>	31.2	6	103.8	S	45°
				0948.E0 0949.A8 0949.C5	EX	<b>R6148/RCR</b>	24.5	6	104.4	S	45°
1998 2001	4	Xsara Picasso 1.8i 16V C5 1.8i 16V <b>Eng. EW7J4</b> 1749 cc.	82.7	0948.A4	IN	<b>R6157/S</b>	29.8	6	106	S	45°
				0949.A4	EX	<b>R6158/BMCR</b>	27.2	6	104	S	45°
1984	4	BX 16RE-RS-S-TRI-TRS <b>Eng. 171C</b> Visa GTI <b>Eng. 180A</b> 1580 cc.	83	91512096	IN	<b>R3985/SCR</b>	40	8	109.5	E	45°
				91508631	EX	<b>R4311/RCR</b>	32	8	108.7	E	45°
				91513446	EX	<b>R3986/RCR</b>	33	8	108.7	E	45°
1984/86	4	BX 19 TRI <b>Eng. 159A</b> 1905 cc.	83	91518971	IN	<b>R4364/S</b>	39.5	8	105.2	E	45°
				91518972	EX	<b>R4365/RARCR</b>	33	8	105.2	E	45°
1986	4	BX 19 GTI <b>Eng. D2A</b> 1905 cc.	83	91537489	IN	<b>R4360/S</b>	41.6	8	105.2	E	45°
				91537491	EX	<b>R4361/RARCR</b>	34.5	8	104.8	E	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.95	<b>G11259</b> <b>G11260</b>	IN/EX	40	6	11.07 11.12	B	C.I.
0220.84	<b>G3454</b> <b>G3455</b> <b>G3456</b>	IN/EX	48	7.01	13.06 13.11 13.16	B	C.I.
0220.59	<b>G3159</b> <b>G3160</b>	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.95	<b>G11259</b> <b>G11260</b>	IN/EX	40	6	11.07 11.12	B	C.I.
0220.95	<b>G11259</b> <b>G11260</b>	IN/EX	40	6	11.07 11.12	B	C.I.
0220.95	<b>G11259</b> <b>G11260</b>	IN/EX	40	6	11.07 11.12	B	C.I.
02130.12	<b>G11315</b> <b>G11316</b>	IN	40	6	12.07 12.12	B	C.I.
02130.13	<b>G11317</b> <b>G11318</b>	EX	40	6	12.07 12.12	G	C.I.
0220.64	<b>G3239</b> <b>G3240</b>	IN	38.7	8.01	13.06 13.11	B	C.I.
0220.72	<b>G3241</b> <b>G3242</b>	EX	45	8.01	13.07 13.12	B	C.I.
	<b>G3239</b> <b>G3240</b>	IN	38.7	8.01	13.06 13.11	B	C.I.
	<b>G3241</b> <b>G3242</b>	EX	45	8.01	13.07 13.12	B	C.I.
	<b>G3239</b> <b>G3240</b>	IN	38.7	8.01	13.06 13.11	B	C.I.
	<b>G3241</b> <b>G3242</b>	EX	45	8.01	13.07 13.12	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0024</b>	I
	<b>PI 06-0037</b>	I
	<b>PI 06-0037</b>	I
	<b>PI 06-0037</b>	I
96369569 96212525	<b>PI 06-0024</b>	I


 NOTE  
remarks

CITROËN

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1984 1991	4	Visa GTI ZX Aura <b>Eng. XU5M</b> 1580 cc.	83	91535017 91535019	IN EX	<b>R4362/S</b> <b>R4363/RARCR</b>	41.6 34.5	8 8	108.8 108.4	E E	45° 45°
1987	4	BX 19 TRS-TRI <b>Eng. D2A</b>									
1991	4	ZX Volcano <b>Eng. XU9JA</b> 1905 cc.									
1993 1997	4 4	ZX Break - Xantia SX Xantia SX <b>Eng. XU5JP</b> 1580 - 1761 cc.									
1997	4 4	Xsara 1.8i Berlingo 1.8i <b>Eng. XU7JB - JP</b> 1761 cc.									
1988	4	BX 19 16V <b>Eng. D6A</b> 1905 cc.	83	91540748 91540782	IN EX	<b>R4456/SCR</b> <b>R4457/RCR</b>	34.5 29.6	7 7	106.5 105.8	I I	45° 45°
1995	4	Xantia X 1.8i 16V <b>Eng. HU7JP4</b>									
	4	Xantia SX 2.0i 16V <b>Eng. XU10J4R</b> 1998 cc.	86	96172597 96172795	IN EX	<b>R6329/SCR*</b> <b>R6330/RCR*</b>	34.5 29.6	7 7	106.4 105.7	I I	45° 45°
1993 1995	4	ZX - Xantia VSX 16V XM 16V SX <b>Eng. XU10J4R</b> 1998 cc.									
1997	4	Xsara VTS 16V <b>Eng. XU7JP4</b> 1761 cc.	83	96172597 96172795	IN EX	<b>R6329/SCR*</b> <b>R6330/RCR*</b>	34.5 29.6	7 7	106.4 105.7	I I	45° 45°
07-97/00	4	Xsara/Picasso 1.8 i 16V <b>Eng. LFY-XU7JP4</b> 1761 cc.	83	0948.92 0949.92	IN EX	<b>R6112/S</b> <b>R6111/RCR</b>	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1998	4	Xsara Picasso 2.0i 16V Evasion 2.0i 16V C5 2.0 16V	85	0948.99 0949.99	IN EX	<b>R6113/S</b> <b>R6114/RCR</b>	33.3 29	6 6	106.2 103.6	E E	45° 45
2001 2004		Jumpy 2.0 16V C4 2.0 16V <b>Eng. EW10J4</b> 1997 cc.									
2001	4	C5 2.0 HPI <b>Eng. EW10J4</b> <b>Eng. RLZ</b> 1998 cc.	85	0948.A7 0949.A7	IN EX	<b>R6159/S</b> <b>R6160/BMCR</b>	32.4 29.2	6 6	105 102.6	S S	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3239</b> <b>G3240</b> <b>G3241</b> <b>G3242</b>	IN EX	38.7 45	8.01 8.01	13.06 13.11 13.07 13.12	B B	C.I. C.I.
0220-73 0221-19	<b>G3536</b> <b>G3537</b> <b>G3538</b> <b>G3539</b>  <b>G11027</b> <b>G11028</b>	IN EX IN/EX	40 40 40	7.01 7.01 7	12.06 12.11 12.06 12.11 12.06 12.11	B B B	C.I. C.I. C.I.
0220-73 0221-19	<b>G3536</b> <b>G3537</b> <b>G3538</b> <b>G3539</b>	IN EX	40 40	7.01 7.01	12.06 12.11 12.06 12.11	B B	C.I. C.I.
0221.25 0221.26	<b>G11158</b> <b>G11223</b> <b>G11159</b> <b>G11225</b>	IN EX	41 41	5.98 5.99	12.07 12.12 12.07 12.12	B G	C.I. C.I.
02130.12 02130.13	<b>G11315</b> <b>G11316</b> <b>G11317</b> <b>G11318</b>	IN EX	40 40	6 6	12.07 12.12 12.07 12.12	B G	C.I. C.I.
02130.12 02130.13	<b>G11315</b> <b>G11316</b> <b>G11317</b> <b>G11318</b>	IN EX	40 40	6 6	12.07 12.12 12.07 12.12	B G	C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580-A	<b>PI 06-0007</b>	I
9629316580-A	<b>PI 06-0007</b>	I
9629316580-A	<b>PI 06-0007</b>	I
	<b>PI 06-0024</b>	I
	<b>PI 06-0024</b>	I


**NOTE**  
remarks





**R6329/SCR\***  
**R6330/RCR\***  
Retainer stem  
end 2.2 mm

**\*R6329/SCR-**  
**R6330/RCR**  
Retainer stem  
end 2.2 mm

**CITROËN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1989	4	XM Ambiance-Harmonie	86	96059361	IN	<b>R4458/S</b>	42.6	8	108.8	I	45°
1993	4	ZX Volcane 2.0i	86	96147032	EX	<b>R4459/RCR</b>	34.5	8	108.4	I	45°
	4	Xantia SX-VSX 2.0 IE									
	4	XM VSX Turbo									
1994	4	Evasion X-SX 2.0i									
	4	Evasion SX-VSX Turbo									
		<b>Eng. XU10J2CTE</b> 1998 cc.									
1997	4	Xsara VTS 16V	86	0948.82	IN	<b>R6060/S</b>	34	6	106.4	S	45°
		<b>Eng. XU10J4RS</b> 1998 cc.		0949.87	EX	<b>R6061/BMARCR</b>	30.7	6	105.3	S	45°
1996	4	ZX 2.0L 16V	86	0948.92	IN	<b>R6112/S</b>	34.6	6	106.4	E	45°
1995	4	Xantia SX	86	0949.92	EX	<b>R6111/RCR</b>	29.6	6	105.8	E	45°
		<b>Eng. XU10J4R</b> 1998 cc.									
07-97/00	4	XM 2.0 i 16V	86	0948.92	IN	<b>R6112/S</b>	34.6	6	106.4	E	45°
		<b>Eng. RFV -XU10J4R</b> 1998 cc.		0949.92	EX	<b>R6111/RCR</b>	29.6	6	105.8	E	45°
1998	4	Xsara 2.0 i 16V	86	0948.92	IN	<b>R6112/S</b>	34.6	6	106.4	E	45°
		<b>Eng. XU10J4R</b> 1998 cc.		0949.92	EX	<b>R6111/RCR</b>	29.6	6	105.8	E	45°
2002	4	C8 2.2 i 16V	86	0948.A1	IN	<b>R6347/S</b>	35	6	106	S	45°
		<b>Eng. 3FZ</b> 2231 cc.		0949.A2	EX	<b>R6348/RCR</b>	31.1	6	102.8	S	45°
1995	4	Jumpy 1.6	86.4	7617500	IN	<b>R4625/SCR</b>	39.5	8	108.5	EE	45°
		<b>Eng. 220A2.000</b> 1581 cc.		5973128	EX	<b>R3324/RCR</b>	31	8	109	EE	45°
1983	4	CX 25 Break GTI	93	95600183	IN	<b>R4460/S</b>	48.2	8	116.2	I	45°
		CX 25 Familiare - Pallas		95562254	EX	<b>R3420/R</b>	39	9	104.2	I	45°
		CX 25 Prestige									
		<b>Eng. 25/659</b> 2500 cc.									
1983	4	CX 25 GTI Turbo	93	95611049	IN	<b>R4461/SCR</b>	44	8	114	I	30°
		CX 25 Prestige Turbo		95562254	EX	<b>R3420/R</b>	39	9	104.2	I	45°
		<b>Eng. M25/662</b> 2500 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220-85	<b>G3340</b> <b>G3341</b>	IN	43.5	8.01	13.07 13.12	B	C.I.
0221.21	<b>G3344</b> <b>G3345</b>	EX	51	8.01	13.07 13.12	B	C.I.
	<b>G11352</b> <b>G11353</b>	IN/EX	41	6	12.07 12.12	B	C.I.
0221.25	<b>G11158</b> <b>G11223</b>	IN	41	5.98	12.07 12.12	B	C.I.
0221.26	<b>G11159</b> <b>G11225</b>	EX	41	5.99	12.07 12.12	G	C.I.
0221.25	<b>G11158</b> <b>G11223</b>	IN	41	5.98	12.07 12.12	B	C.I.
0221.26	<b>G11159</b> <b>G11225</b>	EX	41	5.99	12.07 12.12	G	C.I.
0221.25	<b>G11158</b> <b>G11223</b>	IN	41	5.98	12.07 12.12	B	C.I.
0221.26	<b>G11159</b> <b>G11225</b>	EX	41	5.99	12.07 12.12	G	C.I.
02130.12	<b>G11315</b> <b>G11316</b>	IN	40	6	12.07 12.12	B	C.I.
02130.13	<b>G11317</b> <b>G11318</b>	EX	40	6	12.07 12.12	G	C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
DX12432 N-124-3 DX124102N-124-10	<b>G2110</b> <b>G2113</b>	IN EX	60 44.5	8 8.98	13.06 13.06	G B	C.I. C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580-A	<b>PI 06-0007</b>	I
9629316580-A	<b>PI 06-0007</b>	I
9629316580-A	<b>PI 06-0007</b>	I
9629316580-A	<b>PI 06-0007</b>	I
4152447	<b>PI 03-102</b>	M


**NOTE  
remarks**
**CITROËN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2005	4	C1 1.4 HDI	73.7	0948.C2	IN	<b>R6149/SCR</b>	32.8	5.5	97.5	I	45°
2003		C2 1.4 HDI		0949.B1	EX	<b>R6150/BMCR</b>	30.2	5.5	97.5	I	45°
2002		C3 1.4 HDI									
2003		Xsara 1.4 HDI									
2008		Nemo 1.4 HDI <b>Eng. 8HX-8HZ(DV4TD)</b> <b>Eng. 8HR(DV4C)</b> 1398 cc.									
2002	4	C3 1.4 HDI 16V <b>Eng. 8HY(DV4TED4)</b> 1398 cc.	73.7	0948.C4 0949.C1	IN EX	<b>R6395/SCR</b> <b>R6396/BMCR</b>	24.3 22.4	5.5 5.5	96.4 96.5	I I	45° 45°
1988	4	AX 14 RD -TRD <b>Eng. TUD3</b> 1361 cc.	75	95638449 96012815 95638450 96012816	IN EX	<b>R4412/S</b> <b>R4413/RCR</b>	35.5 30.6	7 7	108.4 108.2	E E	45° 45°
		Stessa applicazione spessore testa maggiorato 1 mm.			IN EX	<b>R4774/S</b> <b>R4775/RCR</b>	35.5 30.6	7 7	108.4 108.2	E E	45° 45°
2018 <b>NEW</b>	4	Berlingo 1.5 BlueHDI 100 C3 AIRCROSS II C3 III 1.5 BlueHDI 100 C4-C5 1.5 BlueHDI 100 Spacetourer 1.5 BlueHDI100 <b>Eng. YHY(DV5RD)</b> <b>YHY(DV5RD)</b> <b>YHR(DV5RUCd9)</b> <b>YHV(D5VRUC)</b> 1499 cc	75	3553632 9814152480 9814152380 938084780 3553641	IN EX	<b>R8017/SCR</b> <b>R8022/RCR</b>	24.40 22.06	5.5 5.5	95.38 94.81	I I	45° 45°
2005	4	C3 1.6 HDI 16V <b>Eng. 9HX-9HZ</b> <b>DV6TED4</b> 1560 cc.	75	0948.C7 0949.C3	IN EX	<b>R6397/SCR</b> <b>R6398/BMCR</b>	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2004	4	C4 1.6 HDI 16V <b>Eng. 9HX-9HY-9HZ</b> <b>DV6TED4</b>	75	0948.C7 0949.C3	IN EX	<b>R6397/SCR</b> <b>R6398/BMCR</b>	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2005		Berlingo 1.6 HDI 16V <b>Eng. 9HX-9HY-9HZ</b> <b>DV6TED4</b> 1560 cc.									
2004	4	C5 1.6 HDI 16V <b>Eng.9HZ-9HY(DV6TED4)</b> 1560 cc.	75	0948.C7 0949.C3	IN EX	<b>R6397/SCR</b> <b>R6398/BMCR</b>	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2004	4	Xsara Picasso 1.6 HDI 16V <b>Eng.9HZ-9HY(DV6TED4)</b> 1560 cc.	75	0948.C7 0949.C3	IN EX	<b>R6397/SCR</b> <b>R6398/BMCR</b>	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G3332</b> <b>G3333</b> <b>G3334</b> <b>G3336</b> <b>G3337</b> <b>G3338</b>	IN   EX	40.2   43	7   7	13.07 13.12 13.17 13.07 13.12 13.17	B   B	C.I.   C.I.
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
963237240 0942.42 0903.65 9636848280	<b>PI 06-0019</b>  <b>RA06-914</b>	I
963237240 0942.42 0903.J1	<b>PI 06-0019</b>  <b>RA06-934</b>	I
96027105	<b>PI 03-105</b>	M
963237240 0942.42 0903.67	<b>PI 06-0019</b>  <b>RA06-934</b>	I
963237240 0942.42 0903.66	<b>PI 06-0019</b>  <b>RA06-934</b>	I
963237240 0942.42 0903.66	<b>PI 06-0019</b>  <b>RA06-934</b>	I
963237240 0942.42 0903.66	<b>PI 06-0019</b>  <b>RA06-934</b>	I


**NOTE**  
remarks

**PI 06-0019**  
Ball 8.3 mm

**PI 06-0019**  
Ball 8.3 mm

**PI 06-0019**  
Ball 8.3 mm

**PI 06-0019**  
Ball 8.3 mm





**PI 06-0019**  
Ball 8.3 mm

**PI 06-0019**  
Ball 8.3 mm

**CITROËN DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2011 2011 2010	4	DS5 1.6 HDI DS4 1.6 HDI DS3 1.6 HDI C3 1.6 HDI C4 1.6 HDI C5 1.6 HDI <b>Eng. 9HP(DV6DTE)</b> 1560 cc.	75	0948.F7 0949.F5	IN EX	<b>R6726/SCR</b> <b>R6727/RCR</b>	30.15 27.5	5.5 5.5	95.60 95.50	I I	45° 45°
2016	4	C-Elisèe 1.6 BlueHDI <b>Eng. DV6FD</b> 1560 cc.	75	0948.F7 0949.F5	IN EX	<b>R6726/SCR</b> <b>R6727/RCR</b>	30.15 27.5	5.5 5.5	95.60 95.50	I I	45° 45°
1994 1997	4	AX 15 DX - SX - VSX Saxo 1.5 D SX Xsara 1.5 D SX <b>Eng. TUD5</b> 1527 cc.	77	96150145 96150144	IN EX	<b>R4821/S</b> <b>R4822/RCR</b>	37 31.5	7 7	108.4 108.2	E E	45° 45°
1984 1986 1991	4	BX 17 RD - C1 15 D Visa 17D - RD ZX Reflex <b>Eng. 161A XUD7</b> 1769 cc.	80	93501279 96137360 93510773 93510774 93501280	IN EX EX	<b>R3987/S</b> <b>R4810/RCR</b> <b>R3988/RCR</b>	38 33 33	8 8 8	112.4 112 112	E E E	30° 45° 45°
1984/86	4	C15 1.7 D <b>Eng. 161A-XUD7</b> 1769 cc.	80	93510415 96137360 93510773 93510774 93501280	IN EX EX	<b>R4243/SCR</b> <b>R4810/RCR</b> <b>R3988/RCR</b>	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1986/97	4	C15 1.7 D <b>Eng. 161A-A9A-XUDT</b> 1769 cc.	80	93510415 96137360 93510773 93510774 93501280	IN EX EX	<b>R4243/SCR</b> <b>R4810/RCR</b> <b>R3988/RCR</b>	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1988	4	BX DTR <b>Eng. XUD7-TE Turbo D</b> 1769 cc.	80	96005391 6005392	IN EX	<b>R4883/RCR</b> <b>R3988/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
1993  1993 1994 1996 1993 1994	4  4	ZX Break 1.7 Berlingo <b>Eng. XUD7</b> 1769 cc.  ZX Break 1.9 Xantia 1.9 Berlingo 1.9 Xantia S/SX Jumpy 1.9D <b>Eng. XUD9A - B - L</b> 1905 cc.	80  83	93510415 93510773 93510774 93501280 0949.73	IN EX  EX	<b>R4243/SCR</b> <b>R3988/RCR</b>  <b>R4810/RCR</b>	38.5 33  33	8 8  8	112.4 112  112	E E  E	45° 45°  45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G3555</b> <b>G3557</b> <b>G3556</b> <b>G3558</b>	IN EX	40.2 43	7	13.07 13.12 13.07 13.12	B B	C.I. C.I.
0220-55 9456001351	<b>G3167</b> <b>G3168</b> <b>G3169</b>	IN/EX	50	8.02	14.06 14.11 14.16	B	L
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
963237240 0942.42	<b>PI 06-0019</b>  <b>RA06-914</b>	I
963237240 0942.42	<b>PI 06-0019</b>  <b>RA06-914</b>	I
96027105	<b>PI 03-105</b>	M


**NOTE  
remarks**
**CITROËN DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008/09 2005/09 <b>NEW</b>	V6	C5 2.7 Hdi V6 24V C6 2.7 Ddi V6 24V <b>Eng. UHZ-DT17-DT17TED4</b> 2720 cc.	81	0948.E1 0949.C6	IN EX	<b>R6942/SCR</b> <b>R6943/BMCR</b>	27.8 25.20	6 6	97.10 96.40	I I	45° 45°
1992/94	4	C25 1.9 TD <b>Eng. 280A1.000</b> 1929 cc.	82.6	7547158 7588577	IN EX	<b>R4627/RCR</b> <b>R4626/RCR</b>	37.5 33.5	8 8	116.5 116.5	EE EE	45° 45°
1997	4	Berlingo - Jumpy - Xsara <b>Eng. DW8</b> 1868 cc.	82.8	0948.94 0949.73	IN EX	<b>R4243/SCR</b> <b>R4810/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
2012 <b>NEW</b>	4	C4 1.8 HDI 16V <b>Eng. 4N13</b> 1798 cc.	83	1010A260 1607612480 1011A286 1607612680	IN EX	<b>R6887/SNT</b> <b>R6888/BMNT</b>	28.15 23.7	6 6	121.65 113	EE EE	45° 45°
1983	4	BX 19 D - RD - TRD <b>Eng. XUD9</b> 1905 cc.	83	93501279 96137360 93510773 93510774 93501280	IN EX EX	<b>R3987/S</b> <b>R4810/RCR</b> <b>R3988/RCR</b>	38 33 33	8 8 8	112.4 112 112	E E E	30° 45° 45°
1986	4	BX 19 D - RD - TRD <b>Eng. XUD9</b> 2088 cc.	83	93510415 96137360 93510773 93510774 93501280	IN EX EX	<b>R4243/SCR</b> <b>R4810/RCR</b> <b>R3988/RCR</b>	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1993  1997	4	ZX Advantage-Aura TD Xantia X-SX-VSX TD Evasion SV-X-SX TD Jumpy - Xsara SX <b>Eng. XUD9TE</b> 1905 cc.	83	96005391 96272853	IN EX	<b>R4883/RCR</b> <b>R3988/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
1997	4	Xsara 1.9D <b>Eng. XUD9BSD</b> 1905 cc.	83	0948.94 0949.73	IN EX	<b>R4243/SCR</b> <b>R4810/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
2009 <b>NEW</b>	V6	C5 3.0 Hdi V6 24V C6 3.0 Hdi V6 24V <b>Eng. X801-X8Z-DT20C</b> 2992 cc.	84	0948.E1 0949.C6	IN EX	<b>R6942/SCR</b> <b>R6943/BMCR</b>	27.8 25.20	6 6	97.10 96.40	I I	45° 45°
1989  1995	4  4	XM 2.1 TD 12V <b>Eng. XUD11A</b>  Xantia 2.1 TD 12V Evasion 2.1TD 12V <b>Eng. XUD11BTE</b> 2088 cc.	85	96008334 96079213	IN EX	<b>R4623/SCR</b> <b>R4624/BMARCR</b>	33.9 33.9	8 8	122.3 121.9	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11625</b>	IN/EX	39.2	6	10.73	G	L
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L
	<b>G11630</b> <b>G11631</b> <b>GS11630</b> <b>GS11631</b>	IN EX IN EX	48.7 48.2 48.7 48.2	6 6 6 6	11.11 11.10 11.11 11.10	G G SM SM	L-X L-X-U L-X L-X-U
0220-55 9456001351	<b>G3167</b> <b>G3168</b> <b>G3169</b>	IN/EX	50	8.02	14.06 14.11 14.16	B	L
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L
	<b>G3528</b> <b>G11025</b>	IN/EX	48	8.02	14.05 14.10	B	C.I.
	<b>G3528</b> <b>G11025</b>	IN/EX	48	8.02	14.05 14.10	B	C.I.
	<b>G11625</b>	IN/EX	39.2	6	10.73	G	L
220081	<b>G3513</b> <b>G11026</b>	IN/EX	54.5	8.01	13.06 13.12	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-964</b>	I
4152447	<b>PI 03-102</b>	M
	<b>PI 06-0019</b> <b>RA06-914</b>	I
	<b>PI 06-0019</b> <b>RA06-964</b>	I
0942.25 93013372 0903.46 THRUST PAD	<b>PI 06-0017</b>  <b>RA06-912</b> <b>RA06-927</b>	I


**NOTE**  
remarks

**CITROËN DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	Xantia - Xsara 2.0 TD <b>Eng. DW 10</b> 1997 cc.	85	0948.95	IN	<b>R6092/SCR</b>	35.6	6	107.1	I	45°
				0949.96	EX	<b>R6093/BMCR</b>	33.8	6	107.1	I	45°
1999	4	Evasion 2.0 HDI <b>Eng. RHZ (DW10ATED)</b>	85	0948.95	IN	<b>R6092/SCR</b>	35.6	6	107.1	I	45°
1999		Xantia 2.0 HDI		0949.96	EX	<b>R6093/BMCR</b>	33.8	6	107.1	I	45°
1999		Xsara Picasso 2.0 HDI									
		<b>Eng. RHY-RHZ</b>									
		<b>Eng. DWTD/ATED</b>									
1999		Jumpy 2.0 HDI									
		<b>Eng. RHY-RHX-RHZ</b>									
		<b>Eng. DW10TD/ATED/BTED</b>									
2001		C5 2.0 HDI									
		<b>Eng. RHZ (DW10ATED)</b> 1997 cc.									
2001	4	C5 2.0 HDI 16V Evasion 2.0 HDI 16V <b>Eng. RHS-RHW</b> <b>Eng. DW10ATED4 FAP</b>	85	0948.C0	IN	<b>R6161/SCR</b>	29.9	6	106.2	I	45°
				0949.A9	EX	<b>R6162/BMCR</b>	25	6	106.1	I	45°
2001		Jumpy 2.0 HDI 16V									
		<b>Eng. RHS</b>									
		<b>Eng. DW10ATED4 FAP</b>									
2002		C8 2.0 HDI 16V									
		<b>Eng. DW10ATED4 FAP</b>									
		<b>Eng. DW10ATED4-RHS</b>									
		<b>Eng. RHS-RHW-RHX-RHY</b>									
		<b>Eng. RHZ</b>									
		<b>Eng. DW10BTED4</b> 1997 cc.									
2004	4	C4 2.0 HDI 16V C5 2.0 HDI 16V <b>Eng. RHR(DW10BTED4)</b> 1997 cc.	85	0948.A3	IN	<b>R6163/SCR</b>	29.8	6	105	I	45°
				0949.A3	EX	<b>R6164/BMCR</b>	25	6	105	I	45°
2007	4	Jumpy 2.0 HDI 16V <b>Eng. RHK-RHR</b> <b>DW10UTED4/BTED4</b> 1997 cc.	85	0948.A3	IN	<b>R6163/SCR</b>	29.8	6	105	I	45°
				0949.A3	EX	<b>R6164/BMCR</b>	25	6	105	I	45°
2011	4	DS4 2.0 HDI 16V DS5 2.0 HDI 16V <b>Eng. RHH (DW10CTED4)</b> 1997 cc.	85	0948.F6	IN	<b>R6724/SCR</b>	27.25	6	104.5	I	45°
				0949.A3	EX	<b>R6164/BMCR</b>	25	6	105	I	45°
2015	4	C5 2.0 BlueHDI 16V <b>Eng. AHW i (DW10FC)</b> 1997 cc.	85	0948.E5	IN	<b>R6595/SCR</b>	27.2	6	95.80	I	45°
				0949.E1	EX	<b>R6596/BMCR</b>	25	6	95	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
0220.A1	<b>G11396</b>	IN/EX	42.5	6	12.06	G	C.I.
	<b>G11397</b>				12.11		
0220.A1	<b>GS11396</b>	IN/EX	42.5	6	12.06	SM	C.I.
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
0220.A1	<b>G11396</b>	IN/EX	42.5	6	12.06	G	C.I.
	<b>G11397</b>				12.11		
0220.A1	<b>GS11396</b>	IN/EX	42.5	6	12.06	SM	C.I.
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
0220.A1	<b>G11396</b>	IN/EX	42.5	6	12.06	G	C.I.
	<b>G11397</b>				12.11		
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
0220.A1	<b>G11396</b>	IN/EX	42.5	6	12.06	G	C.I.
	<b>G11397</b>				12.11		
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
0220.A1	<b>G11396</b>	IN/EX	42.5	6	12.06	G	C.I.
	<b>G11397</b>				12.11		
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
963237240	<b>PI 06-0019</b>	I
0949.42		
0903.64	<b>RA06-913</b>	
963237240	<b>PI 06-0019</b>	I
0949.42		
0903.64	<b>RA06-913</b>	
0942.49	<b>PI 06-0039</b>	I
0903.69	<b>RA06-915</b>	
0903.60	<b>PI 06-0019</b>	I
	<b>RA06-913</b>	
0942.49	<b>PI 06-0039</b>	I
0903.69	<b>RA06-915</b>	
0942.49	<b>PI 06-0039</b>	I
0903.69	<b>RA06-915</b>	
	<b>PI 06-0055</b>	I
	<b>RA06-949</b>	


**NOTE  
remarks**
**PI 06-0019**  
Ball 8.3 mm  
**RA06-913**  
L46 DIA R 17 MM

**PI 06-0019**  
Ball 8.3 mm  
**RA06-913**  
L46 DIA R 17 MM





**RA06-915**  
L58.4  
**RA06-913**  
L46 DIA R 17MM  
**PI 06-0019**  
ONLY ENG. RHS-RHX  
ENG. RHY-RHZ  
**PI 06-0039**  
ONLY ENG. RHW

**RA06-915**  
L58.4

**RA06-915**  
L58.4

**CITROËN DIESEL**

**VALVOLE  
ENGINE VALVES**


ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
	4	Jumper 2.2 HDI <b>Eng. DW12TED</b> 2179 cc.	85	0948.95 0949.96	IN EX	<b>R6092/SCR</b> <b>R6093/BMCR</b>	35.6 33.8	6 6	107.1 107.1	I I	45° 45°
2001 2002	4	C5 2.2 HDI 16V C8 2.2 HDI 16V <b>Eng. 4HX-4HW</b> <b>Eng. DW12TED4 FAP</b> 2179 cc.	85	0948.A3 0949.A3	IN EX	<b>R6163/SCR</b> <b>R6164/BMCR</b>	29.8 25	6 6	105 105	I I	45° 45°
2008	4	C5 2.2 HDI 16V C8 2.2 HDI 16V <b>Eng. 4HT (DW12BTED4)</b> 2179 cc.	85	0948.E5 0949.E1	IN EX	<b>R6595/SCR</b> <b>R6596/BMCR</b>	27.2 25	6 6	95.80 95	I I	45° 45°
2006	4	Jumper 2.2 Hdi 100 <b>Eng. 4HV (P22DTE)</b> 2198 cc.	86	0948.E6 0949.E3	IN EX	<b>R6508/SCR</b> <b>R6509/RCR</b>	29.8 25.8	7 7	122.3 122.1	I I	45° 45°
1975/78	4	CX 2500 D <b>Eng. M22/621</b> 2175 cc.	90	5478734G 5457479	IN EX	<b>R3517/SCR</b> <b>R3518/BMCR</b>	42 35	8 9	121.5 121.5	I I	45° 45°
1995	4	XM TD 2.5 12V VSX <b>Eng. DK5-ATE Turbo</b> 2446 c.c.	92	96095457 96304239 96096146	IN EX	<b>R4944/SCR</b> <b>R4945/RCR</b>	36.9 36.9	7 7	127.9 127.5	I I	45° 45°
1994	4	Jumper 2.5 D 12V <b>Eng. T9A-DJ5</b> Jumper 2.5 TD 12V <b>Eng. T8A-THZ-DJ5T</b> 2446 cc.	92	96095457 96304239 96096146	IN EX	<b>R4944/SCR</b> <b>R4945/RCR</b>	36.9 36.9	7 7	127.9 127.5	I I	45° 45°
2001	4	Jumper 27 2.5 TD <b>Eng. DJ5TED</b> 2446 cc.	92	0948.84 0949.90	IN EX	<b>R6151/SCR</b> <b>R6152/RCR</b>	41 37.8	7 7	115.7 115.5	I I	45° 45°
2000	4	Jumper 2.8 HDI <b>Eng. 8140.43S</b> 2798 cc.	94.4	0948.A2 0949.A0	IN EX	<b>R3989/RNT</b> <b>R4887/BMCR</b>	41 36	8 8	120.7 122	EE EE	30° 45°
2004	4	Jumper 2.8 HDI <b>Eng. 8140.43N</b> 2798 cc.	94.4	0948.A2 0949.A0	IN EX	<b>R3989/RNT</b> <b>R4887/BMCR</b>	41 36	8 8	120.7 122	EE EE	30° 45°
2007	4	Jumper 3.0 HDI <b>Eng. F1CE0481A</b> 2998 cc.	95.8	504072531 504081062	IN EX	<b>R6368/SCR</b> <b>R6369/BMCR</b>	32.4 32.4	6 6	120 119.95	I I	30° 30°

**CUMMINS**

	6	<b>Eng. ISC 24V</b> 8300 cc.		3800340 3942588 38003410 3942589	IN EX	<b>R6536/SCR</b> <b>R6537/RCR</b>	38 38	8 8	137.8 137.9	S S	30° 45°
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**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.A2	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX	41.5	6	10.06 10.11	G	L
0220.A1	<b>G11396</b> <b>G11397</b>	IN/EX	42.5	6	12.06 12.11	G	C.I.
0220.A1	<b>GS11396</b>	IN/EX	42.5	6	12.06	SM	C.I.
0220.A2	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX	41.5	6	10.06 10.11	G	L
0220.A1	<b>G11396</b> <b>G11397</b>	IN/EX	42.5	6	12.06 12.11	SM G	L C.I.
0220.A2	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX	41.5	6	10.06 10.11	G	L
	<b>G11569</b> <b>G11570</b>	IN/EX	51.5	6.96	12.06 12.10	SM	L
0220.93	<b>G3566</b> <b>G11036</b>	IN/EX	54	7.01	13.05 13.10	G	L
0220.93	<b>G3566</b> <b>G11036</b>	IN/EX	54	7.01	13.05 13.10	B	C.I.
	<b>G11415</b> <b>G11416</b>	IN/EX	43.1	7.00	13.07 13.12	B	C.I.
	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	B	C.I.
	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
500388426 504053804	<b>G11388</b> <b>G11389</b> <b>G11390</b> <b>G11391</b>	IN/EX	49	6	10.05 10.10 10.15 10.20	G	L
3942645	<b>G11463</b>	IN/EX	50	8	14.00	G	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
963237240 0949.42 0903.64	<b>PI 06-0019</b> <b>RA06-913</b>	I
0942.49 0903.69	<b>PI 06-0039</b> <b>RA06-915</b>	I
0942.25 0903.46 THRUST PAD	<b>PI 06-0017</b> <b>RA06-912</b> <b>RA06-927</b>	I
0942.25 0903.46 THRUST PAD	<b>PI 06-0017</b> <b>RA06-912</b> <b>RA06-927</b>	I
0942.33	<b>PI 06-0016</b>	I
	<b>PI 03-101</b>	M
	<b>PI 03-101</b>	M
0903.H9	<b>PI 06-0008</b> <b>RA06-916</b>	I


**NOTE**  
remarks

**PI 06-0019**  
Ball 8.3 mm  
**RA06-913**  
L46 DIA R 17 MM





**RA06-915**  
L58.4

**PI 06-0017**  
**RA06-912**  
**RA06-927**
**PI 06-0016**
**RA06-916**  
L66X19.5R22.83

**CITROËN DIESEL**
**CUMMINS**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	4	4B & 4BT Tutbo D 3.9 L	102	3920867	IN	<b>R4958/SCR</b>	45	8	129.2	EE	30°
	6	6B & 6BT Turbo D 5.9 L	102	3802005 3802355 3901117 3802356 3901607 3920868 4095188	EX	<b>R4959/BMCR</b>	42	8	129	EE	45°
2006	6	<b>Eng. ISC260-300-320</b> 330-310-370-315 8270 cc.	114	3800340 3942588 3800341 3942589	IN EX	<b>R6536/SCR</b> <b>R6537/RCR</b>	38 38	8 8	137.8 137.9	 EE	30° 45°
	6	6C Series 8.3 L	114.05	3924492 3802275 3802463 3921444 3802085	IN EX	<b>R4956/SCR</b> <b>R4957/BMCR</b>	52 46	9.5 9.5	151 151	EE EE	30° 45°
	6	NH 180 - NH 195 L6	123.8	150288 144911	IN EX	<b>R6022/BM</b> <b>R6022/BM</b>	44.5 44.5	10.30 10.30	179 179	K K	30° 30°
	6	NH 230 - 230B - 250 NH 250 B-C-P NHC 250 - NHD 230 NHE 220 - 225 - 225B NHF 240 - 265 NHH 250 - NHCT NTCC 250S - 290 - 350 NT 270 - 280 - 300 NT 310 - 335 - 400 NTA 370 - 400 - 420 NTC 230 - 250 - 280 NTC 335 - 350 - 400 NTCC 400 - NTF 365 9640 cc.	139.7	135957 3000926 145701 3040830 145701	IN EX	<b>R6327/S</b> <b>R4671/BMARCR</b>	47.5 47.5	11.5 11.5	179.5 179.5	K K	30° 30°
	6	NTA 380 14011 cc.	139.7	3040830 145701	IN	<b>R4671/BMARCR</b>	47.5	11.5	179.5	K	30°
	V12	V - VT - VTA 23171 cc.		3040830 145701	EX	<b>R4671/BMARCR</b>	47.5	11.5	179.5	K	30°
	6/12	K Series KTA model. 5760 cc.	159	207241 4986317 4986317 3035110 3088389	IN EX EX	<b>R6328/S</b> <b>R4750/BMCR</b> <b>R4750/BMCR</b>	56.4 56.4 56.4	12.6 12.6 12.6	191.8 191.8 191.8	M M M	30° 30° 30°

## DACIA





2008	4	Sandero 1.2 16V <b>Eng. D4F</b> 1149 cc.	69	7701472986 7701473004	IN EX	<b>R6177/S</b> <b>R6178/BM</b>	26 22	5.5 5.5	110.7 112.5	I I	45° 45°
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## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2013	3	Logan 900Tce Turbo 12V Sandero 900Tce Turbo 12V <b>Eng. H4BT-H4B-</b> 898 cc.	72.2	132013562R 132025379R	IN EX	<b>R6799/SNT</b> <b>R6800/RCR</b>	26.55 23.50	5.5 5.5	100.90 101.7	I I	45° 30°
2012	4	Dokker 1.2 Tce 16V Turbo Lodgy 1.2 Tce 16V Turbo Duster 1.2 Tce 16V Turbo <b>Eng. H5F.402-408-410</b> 1198 cc.	72.2	13201-7322R 13202-7223R	IN EX	<b>R6901/SNT</b> <b>R6902/BMCR</b>	26.58 23.50	5.5 5.5	100.86 101.85	I I	45° 30°
2004 2008	4	Logan 1.4 i Sandero 1.4 i 1390 cc. <b>Eng. K7J-710</b> 1390 cc.	79.5	7701465088 7701465090 7701468149	IN EX	<b>R4574/S</b> <b>R4575/RCR</b>	37.5 33.6	7 7	107.8 107.8	E E	30° 45°
2004 2012	4	Logan 1.6 i Sandero 1.6 i <b>Eng. K7M-710</b> Logdy 1.6 i <b>Eng. K7MA8</b> 1598 cc.									
2017	4	Duster 1.6 16V <b>Eng. H4M738</b> 1598 cc.	78	132018521R 132019075R 132028257R 132029606R	IN EX	<b>R6966/SNT</b> <b>R6967/RNT</b>	31.7 25.45	5 5	101.8 102.5	S S	45° 45°
2010	4	Duster 1.6 16V <b>Eng. K4M690/696</b> 1598 cc.	79.5	7701471378 7701471379 7701473354	IN EX	<b>R6029/S</b> <b>R6030/R</b>	32.7 28	5.5 5.5	109.3 107.7	E E	45° 45°

## DACIA DIESEL

2005 2009 2010 2012	4	Logan 1.5 DCI Sandero 1.5 DCI Duster 1.5 DCI Logdy 1.5 DCI <b>Eng. K9K.792-656-667</b> <b>K9K658</b> 1461 cc.	76		IN EX	<b>R6185/S</b> <b>R6186/BM</b>	33.5 29	6 6	100.95 100.75	I I	45° 45°
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## DAF

1969	6	Series 1600 - 1800 <b>Eng. DF615</b> Series 1300-1500-1600 <b>Eng. DTD/DT615 Turbo</b> 6170 cc.	104.175	257263 517472 257265	IN EX	<b>R4560/SCR</b> <b>R4561/RCR</b>	42 39.3	8.7 8.6	141 140.8	EE EE	30° 30°



## VALVOLE ENGINE VALVES


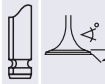
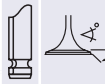


ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002	4	LF 45 <b>Eng. LF 45.130/150/170</b>	114	1404919	IN	<b>R6500/SCR</b>	33	7	124.6	EE	30°
		LF 45.180 3920 cc.		1404918	EX	<b>R6501/BMCR</b>	33	7	124.2	EE	45°
	6	LF 55 <b>Eng. LF 55.220/250</b>									
		5880 cc.									
1989/93	6	Serie FA 2700 HS <b>Eng. HS 825 TURBO</b>	118	394838	IN	<b>R6401/BMCR</b>	50	10	157.9	S	30°
		8250 cc.		394839	EX	<b>R6402/BMCR</b>	45.5	10	157.9	S	30°
1992/98	6	Serie FA 75.240/270/300 <b>Eng. RS180/200/222 L/M</b>	118	394838	IN	<b>R6401/BMCR</b>	50	10	157.9	S	30°
		8650 cc. Turbo		394839	EX	<b>R6402/BMCR</b>	45.5	10	157.9	S	30°
2004	6	CF75.310	118	1345509	IN	<b>R6583/SCR</b>	40.5	9	158	EE	20°
		CF75.360 9200 cc.		1352127	EX	<b>R6584/BMCR</b>	37	9	154.4	EE	45°
1969/76	6	Serie AT 2400 <b>Eng. DKA - DKL 1160</b>	130	267356	IN	<b>R4511/BMCR</b>	55	11	152	EE	30°
		Serie AT 2400 FA <b>Eng. DKB 1160</b>		267357	EX	<b>R4512/BMCR</b>	48	11	150	EE	30°
1973	6	Serie FA-FT 2600 <b>Eng. DKT 1160</b>									
		Serie FA - FAT 2800 <b>Eng. DKS 1160 Turbo</b>									
		11630 cc.									
1973	6	FA 2805 <b>Eng. DKV 1160 Turbo</b>	130	266305	IN	<b>R4513/BMCR</b>	54.9	11	175	EE	30°
				266306	EX	<b>R4514/BMICR</b>	50	11	175	EE	30°
1984/88	6	FA - FAG 3305 <b>Eng. DKX 1160 Ati Turbo</b>									
		11630 cc.									
1988/91	6	Serie FA/FT 95.130 ATI	130	1259989	IN	<b>R6218/BMCR</b>	54.7	11	175	S	30°
		Serie 95.350 ATI		1254382	EX	<b>R6219/BMCR</b>	49.8	11	175	S	30°
		Serie 95.380 ATI <b>Eng. WS225-WS259</b>									
		<b>Eng. WS 282</b>									
		11630 cc.									
2004	6	XF 250 M4V Euro 2	130	1307654	IN	<b>R6220/SCR</b>	45.5	9	163.6	EE	30°
		XF 315 M4V Euro 2		1327029	EX	<b>R6221/BMCR</b>	42.5	9	158.7	EE	30°
		XF 355 M4V Euro 2		1307655							
		12583 cc.									
1998	6	85 CF 24V	130	1342220	IN	<b>R6488/SCR*</b>	45.5	9	163.7	EE	20°
		95 XF24 V <b>Eng. XF Euro 2 / Euro 3</b>		1362696	EX	<b>R6489/BMCR</b>	42.5	9	158.6	EE	45°
		12580 cc.									



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	6	CF85.430 XF95.430 12600 cc.	130	1603846 1684773 1362696	IN EX	<b>R6582/SCR*</b> <b>R6489/BMCR</b>	45.5 42.5	9 9	163.7 158.6	EE EE	20° 45°
2005 2006	6	XF105 CF85 <b>Eng. MX265 - MX300</b> <b>Eng. MX340-MX375</b> 12900 cc.	130	1684513 1678541	IN EX	<b>R6934/SCR</b> <b>R6935/BMARCR</b>	45.5 42.5	10 10	169.3 168.6	S S	20° 30°

## DAIHATSU

1997	3	Move <b>Eng. ED-20</b> 847 cc.	66.6	13711-87202 13715-87202	IN EX	<b>R6637/SNT</b> <b>R6638/RNT</b>	34 28	7 7	111.1 110.6	EE EE	45° 45°
2007	3	Cuore 1.0 VVTi 12V <b>Eng. KR-FE</b> 998 cc.	71	13711-40040 13715-40040	IN EX	<b>R6439/SNT</b> <b>R6440/RNT</b>	27.5 23.6	5 5	88.5 89.1	S S	45° 45°
1979	2	Cuore - Hijet Atrai Wide Cab <b>Eng. AB/CB</b> 547 cc.	71.6	13711-87701 13715-87701	IN EX	<b>R4676/SNT</b> <b>R4677/RNT</b>	36 33	7 7	101.6 101.6	EE EE	45° 45°
1977	3	Charade 1000 <b>Eng. CB</b> 993 cc.	76								
2000	3	Cuore 1.0 <b>Eng. EJ-DE 12V</b> 989 cc.	72	13711-97205 13715-97203	IN EX	<b>R6226/SNT</b> <b>R6227/RNT</b>	24.5 21.1	5 5	79.2 79.8	S S	45° 45°
2000	4	Sirion 1.3 i 16V YRV 1.3 i 16V Terios 1.3 i 16V <b>Eng. K3-VE</b> 1298 cc.	72	13711-97401 13711-23030 13715-97401 13715-23030	IN EX	<b>R6228/SNT</b> <b>R6229/RNT</b>	26 22.6	5 5	88.2 89.2	S S	45° 45°
2006	4	Materia 1.3 i 16V <b>Eng. K3-VE</b> 1299 cc.	72	13711-B1020 13715-B1020	IN EX	<b>R6072/SNT</b> <b>R6073/RNT</b>	26 22.6	5 5	88.2 89.1	E E	45° 45°
2006	4	Materia 1.5 i 16V Terios 1.5i 16V <b>Eng. 3SZ-3SZ-VE</b> 1495 cc.	72	13711-B1020 13715-B1020	IN EX	<b>R6072/SNT</b> <b>R6073/RNT</b>	26 22.6	5 5	88.2 89.1	E 5	45° 45°
1988	4	Charade 1.3 16V Terios 1.3 16V <b>Eng. HCE</b> 1295 cc.	76	13711-87103 13711-87104 13715-87105 31715-87106	IN EX	<b>R6224/SNT</b> <b>R6225/RNT</b>	30 26	6.6 6.6	112.7 114.5	EE EE	45° 45°
1999	4	Feroza 16V Charade 16V Rocky 16V 1589 cc.	76	13711-87103 13711-87104 13715-87105 31715-87106	IN EX	<b>R6224/SNT</b> <b>R6225/RNT</b>	30 26	6.6 6.6	112.7 114.5	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1313683	<b>G11322</b>	IN/EX	77	9	15.06	G	
11124-87701	<b>G3173</b> <b>G3358</b> <b>G3359</b>	IN/EX	50	6.99	12.06 12.11 12.16	G	L
11122-21010	<b>G11364</b>	IN/EX	34.5	5	9.74	G	L-X
11124-87701	<b>G3173</b> <b>G3358</b> <b>G3359</b>	IN/EX	50	6.99	12.06 12.11 12.16	G	L
11122-21010	<b>G11364</b> <b>GS11364</b>	IN/EX IN/EX	34.5 34.5	5 5	9.74 9.74	G G	L-X L-X
	<b>G11364</b> <b>GS11364</b>	IN/EX IN/EX	5 5		9.74 9.74	G SM	L-X L-X
	<b>G11364</b> <b>GS11364</b>	IN/EX IN/EX	34.5 34.5	5 5	9.74 9.74	G SM	L-X L-X

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
13801-87702	<b>RA06-921</b>	
13812-87102	<b>RA 06-923</b>	EX
13813-87102	<b>RA 06-924</b>	EX
13811-87104	<b>RA 06-922</b>	IN
13814-87102	<b>RA 06-925</b>	IN



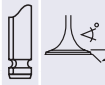


**NOTE**  
remarks

**R6582/SCR\***  
Retainer sten end  
mm9.20

**DAF**
**DAIHATSU**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
<b>DAIHATSU DIESEL</b>											
1983	3	Charade 1000 D <b>Eng. CL</b> 993 cc.	76	13711-87704	IN	<b>R4462/SNT</b>	35	7	105	EE	45°
				13715-87703	EX	<b>R4463/RNT</b>	32	7	105	EE	45°
<b>FIAT</b>											
1966	4	124 Berlina <b>Eng. 124</b>		4132069	IN	<b>R3175/S</b>	34.5	8	99.5	M	45°
				4147475	EX	<b>R3176/R</b>	31	8	100	M	45°
1974/82	4	127 L - CL - 127 Special 900 E - Fiorino Panda 45 <b>Eng. A112 - 127 A</b> 903 cc.	65	4265695	IN	<b>R3561/SCR</b>	29	7	95.5	EE	45°
				4266321	EX	<b>R3359/RCR</b>	26	7	95.5	I	45°
				4377979	EX	<b>R3551/RCR</b>	26	7	95.5	EE	45°
1986/90	4	Panda 45 - Panda 900 Uno 45 - Uno 45 S - ES 900 E - Fiorino <b>Eng. 146.4 - M20.AA</b> 903 cc. Panda 4X4 <b>Eng. A112A</b> 965 cc.	65	5959564	IN	<b>R3745/SCR</b>	29	7	95.5	EE	45°
			67.2	5959563 5973130	EX	<b>R3746/RCR</b>	26	7	95.5	EE	45°
1991/98	4	Cinquecento 900 Cinquecento 900 ie Panda 900 ie Seicento 900 ie <b>Eng. 1170A1.046</b> <b>Eng. 1170A1.000</b> 899 cc.	65	46407749	IN	<b>R3745/SCR</b>	29	7	95.5	EE	45°
5959564				EX	<b>R3746/RCR</b>	26	7	95.5	EE	45°	
5959563											
1992/00				5973130							
1998/00				7783841							
1985/92	4	Panda 750 Panda 750 L-CL - Super Panda 750 Young <b>Eng. 156A Fire</b> 769 cc.	65	7537668	IN	<b>R4176/SCR</b>	26.5	7	97	EE	45°
				7537667	EX	<b>R4177/RCR</b>	23.5	7	97	EE	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
550-610-301	<b>G3174</b> <b>G3360</b> <b>G3361</b>	IN/EX	45	6.99	12.06 12.11 12.16	G	L
4130546	<b>G2223</b>	IN	44.5	8.03	14.06	G	L
4130547	<b>G2227</b>	EX	48	8.03	14.06	G	L-Z
4265699 4372331	<b>G2196</b> <b>G2197</b>	IN/EX	42.5	7.03	13.04 13.09	G	C.I
4265699 4372331	<b>G2196</b> <b>G2197</b>	IN/EX	42.5	7.03	13.04 13.09	G	C.I
4265699 4372331	<b>G2196</b> <b>G2197</b>  <b>GS2196</b>	IN/EX  IN/EX	42.5  42.5	7.03  7.03	13.04 13.09  13.04	G  SM	C.I  C.I
4265699 4372331	<b>G2196</b> <b>G2197</b>  <b>GS2196</b>	IN/EX  IN/EX	42.5  42.5	7.03  7.03	13.04 13.09  13.04	G  SM	C.I  C.I

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4642782	<b>PI 06-0015*</b>	I


 NOTE  
remarks

DAIHATSU D.
FIAT
*PI 06-0015 Ø 12

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1985	4	Uno 45 Fire <b>Eng. 156A2.000</b> 999 cc. Panda 1000	70	5942727	IN	<b>R4168/SCR</b>	30.4	7	97.1	EE	45°
				7666228	EX	<b>R4169/RCR</b>	27.3	7	97.2	EE	45°
1986		Panda 1000 4x4 <b>Eng. 156 A3.000 - Fire</b> 999 cc.		5942728							
1986/89		Tipo 1.1 - Uno 60 1.1 <b>Eng. 156A3.000 - Fire</b> 1108 cc.		7666227							
1986		Panda 1.1ie Panda 1.1 ie 4x4 <b>Eng. 160A3.000 - Fire</b> 1108 cc.									
1993		Punto 55 1.1 - 6 Speed Punto 55 1.1S-SX-ED <b>Eng. 176A6.000</b> 1108 cc.									
1995	4	Panda 1.1 ie <b>Eng. 176B2.000</b>	70	7770334	IN	<b>R4686/SCR</b>	31.5	7	97.1	EE	45°
1995/04		Panda 1.1 ie <b>Eng. 187A1.000</b> <b>Up to eng. N. 2533527</b>		46436048							
				46553046	EX	<b>R4169/RCR</b>	27.3	7	97.2	EE	45°
1998	4	Seicento 1.1 ie <b>Eng. 176B2.000</b> <b>Eng. 187A1.000</b> <b>Up to eng. N. 2543170</b> 1108 cc.		5942728							
				7666227							
				46514754							
				46553047							
2004	4	Panda 1.1 ie <b>Eng. 187A1.000</b>	70	55194993	IN	<b>R6411/SCR</b>	31.9	5	98.4	I	45°
				55194994	EX	<b>R6412/BMCR</b>	27.3	5	98.7	I	45°
						<b>From eng. N. 2533528</b>					
2004	4	Seicento 1.1 ie <b>Eng. 187A1.000</b> <b>From eng. N.2543171</b> 1108 cc.		<b>55194246</b>	IN	<b>R6624/SARCR</b>	31.9	5	98.4	I	30°
				<b>55194247</b>	EX	<b>R6625/BMARNT</b>	27.3	5	98.7	I	30°
				<b>NATURAL POWER ENGINE</b>							
2018 <b>NEW</b>	3	500X Multiar Turbo <b>Eng. GSE T3</b> 999 cc.	70		IN EX	<b>R8005/SNT</b> <b>R8006/BMNT</b>	27.6 24.4	5 5.5	94.73 107.05	I I	45° 45°
2018 <b>NEW</b>	4	500X Multiar Turbo <b>Eng. GSE T4</b> 1332 cc.	70		IN EX	<b>R8005/SNT</b> <b>R8006/BMNT</b>	27.6 24.4	5 5.5	94.73 107.05	I I	45° 45°
1993	4	Punto 60 1.2 S - SX <b>Eng. 176A6.000</b> 1242 cc.	70.8	5942727	IN	<b>R4168/SCR</b>	30.4	7	97.1	EE	45°
				7666228							
				5942728	EX	<b>R4169/RCR</b>	27.3	7	97.2	EE	45°
				7666227							

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331	<b>G2196</b>	IN/EX	42.5	7.03	13.04	G	C.I
	<b>G2197</b>				13.09		
	<b>GS2196</b>	IN/EX	42.5	7.03	13.04	SM	C.I
7765039 7780108	<b>G3554</b>	IN/EX	40.4	7.03	13.04	G	C.I.
	<b>G3586</b>				13.07		
	<b>GS3554</b>	IN/EX	40.4	7.03	13.04	SM	C.I.
4265699 4372331	<b>G2196</b>	IN/EX	42.5	7.03	13.04	G	C.I
	<b>G2197</b>				13.09		
	<b>GS2196</b>	IN/EX	42.5	7.03	13.04	SM	C.I
55190559	<b>G11425</b>	IN/EX	44	5.00	10.03	G	C.I.
	<b>G11426</b>				10.08		
	<b>GS11425</b>	IN/EX			10.03		
	<b>G11440*</b>	IN/EX			10.03	B	C.I.
4265699 4372331	<b>G2196</b>	IN/EX	42.5	7.03	13.04	G	C.I
	<b>G2197</b>				13.09		

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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
5942273 60503405 60816361	<b>PI 03-105</b>	M
5942273 60503405 60816361	<b>PI 03-105</b>	M
55200250	<b>PI 03-110</b>	M
5942273 60503405 60816361	<b>PI 03-105</b>	M


**NOTE**  
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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993	4	Punto 75S - SX - Punto 75EL - ELX <b>Eng. 176A8.000</b> 1242 cc.	70.8	7770334 46436048 5942728 7666227	IN	<b>R4686/SCR</b>	31.5	7	97.1	EE	45°
2003	4	Nuova Panda 1.2 8V <b>Eng. 188A4.000</b> <b>Up to Eng. N. 2533527</b> 1242 cc.		46514754	EX	<b>R4169/RCR</b>	27.3	7	97.2	EE	45°
2001/03	4	Doblò 1.2 ie <b>Eng. 22A5.000</b> <b>Up to Eng. N. 2533527</b> 1242 cc.									
2004	4	Panda 1.2 ie	70.8	55194993	IN	<b>R6411/SCR</b>	31.9	5	98.4	I	45°
2004	4	Punto 1.2 ie <b>Eng. 188A4.000</b> <b>From eng. N. 2533528</b> 1242 cc.		55194994	EX	<b>R6412/BMCR</b>	27.3	5	98.7	I	45°
				<b>55194246</b>	IN	<b>R6624/SARCR</b>	31.9	5	98.4	I	30°
2004	4	Doblò 1.2 ie <b>Eng. 22A5.000</b> <b>From eng. N. 2533528</b> 1242 cc.		<b>55194247</b> <b>NATURAL POWER</b> <b>ENGINE</b>	EX	<b>R6625/BMARNT</b>	27.3	5	98.7	I	30°
1998	4	Brava 1.2 ie 16V	70.8	46403681	IN	<b>R4876/SCR</b>	26.8	6	95	I	45°
1998	4	Bravo 1.2 ie 16V		46553048							
1999	4	Marea 1.2 ie 16V		46471639	EX	<b>R4877/RCR</b>	22.4	6	96.2	I	45°
2002/04	4	Palio 1.2 ie 16V		46553049							
1997/99	4	Punto 1.2 ie 16V									
2001	4	Stilo 1.2 ie 16V <b>Eng. 182B2.000</b> <b>Eng. 188A5.000</b> <b>Eng. 176B9.000</b> 1242 cc.									
2004	4	Idea 1.2 ie 16V	70.8	46403681	IN	<b>R4876/SCR</b>	26.8	6	95	I	45°
1999/04	4	Punto 1.2 ie 16V <b>Eng. 188A5.000</b> <b>Until eng. N. 985540</b> 1242 cc.		46553048 46471639 46553049	EX	<b>R4877/RCR</b>	22.4	6	96.2	I	45°
2004	4	Idea 1.2 ie 16V <b>Eng. 188A5.000</b> <b>From eng. N. 985541</b> 1242 cc.	70.8	55185028 55185080	IN EX	<b>R6506/SCR</b> <b>R6507/RCR</b>	26.8 22.5	6 6	95.2 94.7	I I	45° 45°
2006	4	Grande Punto 1.2 ie <b>Eng. 199A4.000</b> 1242 cc.	70.8	55194219 55200422	IN EX	<b>R6502/SCR</b> <b>R6503/BMCR</b>	33.3 28.1	5 5	99.9 100.5	I I	45° 45°
				<b>NATURAL POWER</b> <b>ENGINE</b>	IN EX	<b>R6626/SARCR</b> <b>R6627/BMARNT</b>	33.3 28.1	5 5	99.9 100.5	I I	30° 30°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331	<b>G2196</b> <b>G2197</b>	IN/EX	42.5	7.03	13.04 13.09	G	C.I
	<b>GS2196</b>	IN/EX	42.5	7.03	13.04	SM	C.I
7765039 7780108	<b>G3554</b> <b>G3586</b>	IN/EX	40.4	7.03	13.04 13.07	G	C.I.
	<b>GS3554</b>	IN/EX	40.4	7.03	13.04	SM	C.I.
55190559	<b>G11425</b> <b>G11426</b> <b>GS11425</b> <b>G11440*</b>	IN/EX IN/EX IN/EX	44	5.00	10.03 10.08 10.03 10.03	G SM B	C.I. C.I. C.I.
46518800	<b>G11069</b> <b>G11070</b> <b>G11071</b>  <b>GS11069</b>	IN/EX IN/EX IN/EX	39.7	6.02	10.04 10.08 10.24 10.04	G SM	C.I. C.I.
46518800	<b>G11069</b> <b>G11070</b> <b>G11071</b>  <b>GS11069</b>	IN/EX IN/EX IN/EX	39.7	6.02	10.04 10.08 10.24 10.04	G SM	C.I. C.I.
73500256	<b>G11069</b> <b>G11070</b> <b>G11071</b>  <b>GS11069</b>	IN/EX IN/EX IN/EX	39.7	6.02	10.03 10.07 10.24 10.03	G SM	C.I. C.I.
55190559	<b>G11425</b> <b>G11426</b> <b>GS11425</b> <b>G11440*</b>	IN/EX IN/EX IN/EX	44	5.00	10.03 10.08 10.03 10.03	G SM B	C.I. C.I. C.I.

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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
5942273 60503405 60816361	<b>PI 03-105</b>	M
55200250	<b>PI 03-110</b>	M
46448011 46765629	<b>PI 06-0002</b>	I
46448011 46765629	<b>PI 06-0002</b>	I
55193839	<b>PI 06-0033</b>	I
55202354	<b>PI 03-110</b>	M


**NOTE**  
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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2007	4	500 1.2 8V <b>Eng. 169A4000</b> 1242 cc.	70.8	55194219	IN	<b>R6502/SCR</b>	33.3	5	99.9	I	45°
				55229143 55200422 55229144	EX	<b>R6503/BMCR</b>	28.1	5	100.5	I	45°
2004 2003/04 2004	4	Idea 1.4 ie 16V Punto 1.4 ie 16V Stilo 1.4 ie 16V <b>Eng. 843A1.000</b> <b>Eng. 192B2.000</b> <b>Until eng. N. 984712</b> 1368 cc.	72	46403681 46471639	IN EX	<b>R4876/SCR</b> <b>R4877/RCR</b>	26.8 22.4	6 6	95 96.2	I I	45° 45°
2005	4	Idea 1.4 ie 8V Doblò 1.4 ie 8V <b>Eng. 350A1.000</b> 1368 cc. <b>NATURAL POWER ENGINE</b>	72	55194219	IN	<b>R6502/SCR</b>	33.3	5	99.9	I	45°
				55200422 55198341 55198342	EX IN EX	<b>R6503/BMCR</b> <b>R6626/SARCR</b> <b>R6627/BMARNT</b>	28.1 33.3 28.1	5 5 5	100.5 99.9 100.5	I I I	45° 30° 30°
2005	4	Idea 1.4 ie 16V Stilo 1.4 ie 16V <b>Eng. 843A1.000</b> <b>Eng. 192B2.000</b> <b>From eng. N. 984713</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°
				55185080	EX	<b>R6507/RCR</b>	22.5	6	94.7	I	45°
2006	4	Grande Punto 1.4 ie <b>Eng. 199A7.000</b> 1368 cc. NATURAL POWER ENGINE	72	55194219	IN	<b>R6502/SCR</b>	33.3	5	99.9	I	45°
				55200422 55198341 55198342	EX IN EX	<b>R6503/BMCR</b> <b>R6626/SARCR</b> <b>R6627/BMARNT</b>	28.1 33.3 28.1	5 5 5	100.5 99.9 100.5	I I I	45° 30° 30°
2006	4	Grande Punto 1.4 ie 16V <b>Eng. 199A6.000</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°
				55185080	EX	<b>R6507/RCR</b>	22.5	6	94.7	I	45°
2007	4	500 1.4 ie 16V <b>Eng. 169A3000</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°
				55185080	EX	<b>R6507/RCR</b>	22.5	6	94.7	I	45°
2008	4	Grande Punto 1.4 T 16V Bravo 1.4 Turbo 16V <b>Eng. 198A1000</b> <b>Eng. 198A4000</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°
				55206233	EX	<b>R6589/BMARCR</b>	22.4	6	94.7	I	45°
2008	4	500 Abarth 1.4 T 16V <b>Eng. 199A8000</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°
				55206233	EX	<b>R6589/BMARCR</b>	22.4	6	94.7	I	45°
2010	4	Doblò 1.4 GPL <b>Eng. 198A4.000</b> 1368 cc.	72	55225886	IN	<b>R6758/SARCR</b>	26.8	6	95.2	I	30°
				55225887	EX	<b>R6757/BMARNT</b>	23	6	94.9	I	30°

**GUIDAVALVOLE  
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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
55190559	<b>G11425</b>	IN/EX	44	5.00	10.03	G	C.I.
	<b>G11426</b>				10.08		
	<b>GS11425</b>	IN/EX	44	5.00	10.03	SM	C.I.
46518800	<b>G11069</b>	IN/EX	39.7	6.02	10.04	G	C.I.
	<b>G11070</b>				10.08		
	<b>G11071</b>				10.24		
	<b>GS11069</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
55190559	<b>G11425</b>	IN/EX	44	5.00	10.03	G	C.I.
	<b>G11426</b>				10.08		
	<b>GS11425</b>	IN/EX	44	5.00	10.03	SM	C.I.
	<b>G11440*</b>	IN/EX	44	5.00	10.03	B	C.I.
73500256	<b>G11069</b>	IN/EX	39.7	6.02	10.03	G	C.I.
	<b>G11070</b>				10.07		
	<b>G11071</b>				10.24		
	<b>GS11069</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
55190559	<b>G11425</b>	IN/EX	44	5.00	10.03	G	C.I.
	<b>G11426</b>				10.08		
	<b>GS11425</b>	IN/EX	44	5.00	10.03	SM	C.I.
	<b>G11440*</b>	IN/EX	44	5.00	10.03	B	C.I.
73500256	<b>G11069</b>	IN/EX	39.7	6.02	10.03	G	C.I.
	<b>G11070</b>				10.07		
	<b>G11071</b>				10.24		
	<b>GS11069</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
73500256	<b>G11069</b>	IN/EX	39.7	6.02	10.03	G	C.I.
	<b>G11070</b>				10.07		
	<b>G11071</b>				10.24		
	<b>GS11069</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
73500256	<b>GS11069</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
	<b>G11514*</b>	IN/EX	39.7	6.02	10.03	B	C.I.
73500256	<b>GS11069</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
	<b>G11514*</b>	IN/EX	39.7	6.02	10.03	B	C.I.
73500256	<b>GS11069</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
	<b>G11514*</b>	IN/EX	39.7	6.02	10.03	B	C.I.

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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46448011 46765629	<b>PI 06-0002</b>	I
55202354	<b>PI 03-110</b>	M
55193839	<b>PI 06-0033</b>	I
55202354	<b>PI 03-110</b>	M
55193839	<b>PI 06-0033</b>	I
55193839	<b>PI 06-0033</b>	I
55193839	<b>PI 06-0033</b>	I
55193839	<b>PI 06-0033</b>	I


**NOTE**  
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**\*G11514**  
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## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2012	4	500L 1.4 i 16 <b>Eng. 843A1.000</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°	
				55239748	EX	<b>R6507/RCR</b>	22.5	6	94.7	I	45°	
2012	4	500L 1.4 T-JET16V <b>Eng. 940B7.000</b> 1368 cc. <b>NATURAL POWER ENGINE</b>	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°	
				55239748	EX	<b>R6507/RCR</b>	22.5	6	94.7	I	45°	
				55225886	IN	<b>R6758/SARCR</b>	26.8	6	95.2	I	30°	
				55225887	EX	<b>R6757/BMARNT</b>	23	6	94.9	I	30°	
2014	4	500X 1.4 MultiAir T 16V <b>Eng. 55263624</b> 1368 cc.	72	55185028	IN	<b>R6506/SCR</b>	26.8	6	95.2	I	45°	
				55206233	EX	<b>R6589/BMARCR</b>	22.4	6	94.7	I	45°	
1972/75	2	500 R - 126 <b>Eng. 126A</b> 594 cc.	73.5	4062108	IN	<b>R1430/N</b>	32	8	115.5	D	45°	
				4294099	EX	<b>R3435/R</b>	28	8	115.5	I	45°	
					EX	<b>R3436/RCR</b>	28	8	115.5	I	45°	
1967	2	500 D Giardiniera 500 D - F - L <b>Eng. 110 D/F</b> 499 - 594 cc.	97.4	4062108	IN	<b>R1430/N</b>	32	8	115.5	D	45°	
			73.5	4094941	EX	<b>R3243/R</b>	28	8	115.5	D	45°	
1977	4	127 C - CL 127 L - Fiorino 127 Panorama 147 <b>Eng. 127A.000</b> 1049 cc.	76	4340118	IN	<b>R3528/SCR</b>	34	8	110.5	EE	45°	
				4340119	EX	<b>R3529/RCR</b>	29	8	110.5	EE	45°	
1978	4	127 Sport 70HP Ritmo 60L 1049 cc. Duna 60 Nuovo Fiorino <b>Eng. 146A9.000</b> 1116 cc. Duna 70 <b>Eng. 146A5.000</b> 1301 cc.	76	4412816	IN	<b>R3592/SCR</b>	36.5	8	110	EE	45°	
				4412822	EX	<b>R3529/RCR</b>	29	8	110.5	EE	45°	
				4340119								
1978	2	126 - 650 Personal <b>Eng. 126A</b> 652 cc. 126 - Bis <b>Eng. 126A2</b> 704 cc.	77	4374855	IN	<b>R3548/NCR</b>	33	8	115.5	D	45°	
				5977214	EX	<b>R3549/RCR</b>	28	8	115.5	D	45°	
1980/86	2	Panda 30 L - CL -Super 126 FSM <b>Eng. 141A000</b> 652 cc.	77	5976236	IN	<b>R3600/SCR</b>	34	8	115.5	D	45°	
				4400640	EX	<b>R3549/RCR</b>	28	8	115.5	D	45°	
2006	4	Sedici 1.6 16V <b>Eng. M16A</b> 1586 cc.	78	71742050	IN	<b>R6212/SNT</b>	30	5.5	101	EE	45°	
				71747245	EX	<b>R6213/RNT</b>	25	5.5	99	EE	45°	





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ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2005	4	Stilo 1.6 ie PDA 16V <b>Eng. 192B30</b> 1598 cc.	79	55557862 71739797	IN EX	<b>R6366/SCR</b> <b>R6367/BMCR</b>	31.2 27.5	5 5	117.2 116.2	I I	45° 45°
1968/71	4	128 - 128 Special 128 Sport <b>Eng. 128</b>	80	4212771 4239917 4190307	IN EX	<b>R3323/SCR</b> <b>R3324/RCR</b>	36 31	8 8	108.5 109	EE EE	45° 45°
1978/80		Regata 60 - Ritmo 60 <b>Eng. 138</b>		4286929 4315062							
1980/86		Ritmo 50 CL Ritmo 60 L - CL <b>Eng. 146</b>		4239918 5973128							
1983/85		Nuova Ritmo E.S.									
1978/85		Uno 55 <b>Eng. 138</b>									
1985/86		Uno 60 - UNO 60 S -SL <b>Eng. 146</b> 1116 cc.									
2012	2	500 0.9 Twin Air <b>Eng. 199B6.000</b>	80.5	55229666 55231897	IN EX	<b>R6789/SCR</b> <b>R6790/BMCR</b>	30.14 25.3	5 5	95.5 95.3	I I	45° 45°
2012	2	Panda 0.9 Twin Air <b>Eng. 312A4.000</b> <b>Eng. 312A2.000</b> 875 cc.									
09/2013 <b>NEW</b>	2	Panda 0.9 Twin Air <b>Eng. 312A2.000 CNG</b> 875 cc.	80.5	55229667 55231995	IN EX	<b>R6908/SARCR</b> <b>R6909/BMARNT</b>	31.05 26.10	5 5	95.5 95.62	I I	30° 30°
1988	4	Tipo 1400 <b>Eng. 160A1.000</b>	80.5	7609772 4315062	IN EX	<b>R4252/SCR</b> <b>R3324/RCR</b>	37.5 31	8 8	108.5 109	EE EE	45° 45°
1989		Uno 70 ie <b>Eng. 146C1.000</b>		4239918 5973128							
1990		Tempra SX - SW <b>Eng. 159A2.000</b> 1372 cc.									
1985/89	4	Uno ie Turbo <b>Eng. 146A8.000/A8.046</b>	80.5	7565812 7574881	IN EX	<b>R4170/RCR</b> <b>R4171/RCR</b>	36 33	8 8	108 109	I I	45° 45°
1993		Punto GT Turbo <b>Eng. 176A4.000</b> <b>Eng. 176B6.000</b> 1372 cc.									
1999 1999/04 2001	4	Marea 1.6 ie 16V Palio 1.6 ie 16V Stilo 1.6 16V <b>Eng. 182B6.000 103CV</b> 1596 cc.	80.5	46761369 46517325 55192067 46761370 46451209 55196738	IN EX	<b>R6153/SCR</b> <b>R6154/RCR</b>	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
642014	<b>G11479</b> <b>G11480</b> <b>GS11479</b>	IN/EX IN/EX	37	5	10.03 10.06 10.03	G SM	C.I. C.I.
4250801 4371508	<b>G2231</b> <b>G2232</b>	IN/EX	42	8.03	14.06 14.11	G	C.I.
71769214	<b>G11593</b> <b>GS11593</b> <b>G11594</b>	IN/EX IN/EX IN/EX	40.5	5.01	9.06 9.06 9.06	G SM B	C.I. C.I. C.I.
71769214	<b>G11593</b> <b>GS11593</b> <b>G11594</b>	IN/EX IN/EX IN/EX	40.5	5.01	9.06 9.06 9.06	G SM B	C.I. C.I. C.I.
4250803 4372160	<b>G2235</b> <b>G2236</b>  <b>GS2235</b>	IN/EX IN/EX IN/EX	46.5	8.03	14.06 14.11 14.06	G SM	C.I. C.I.
5997546	<b>G2243</b> <b>G2244</b>	IN/EX	46.5	8.03	14.06 14.11	B	C.I.
4265699 4372331 7756897 7757052	<b>G2196</b> <b>G2197</b> <b>G3531</b> <b>G11007</b> <b>GS2196</b> <b>GS3531</b>	IN EX IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08 13.04 13.03	G G SM SM	C.I. C.I. C.I. C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
46465330 46787055	<b>PI 06-0004</b>	I


**NOTE  
remarks**
**FIAT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1999/04	4	Multipla 1.6 ie 16V Bipower/Blupower <b>Eng. 182B6.000 103CV</b> 1596 cc.	80.5	46761369 55192067 46761370 55196738	IN EX	<b>R6153/SCR</b> <b>R6154/RCR</b>	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°
2001/04	4	Doblò 1.6 ie 16V Bipower/Natural Power <b>Eng. 182B6.000</b> 1596 cc.	80.5	55192067 55196738	IN EX	<b>R6153/SCR</b> <b>R6154/RCR</b>	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°
1995/96	4	Brava 1.4 ie S - SX - 12V Bravo 1.4 ie S - SX - 12V <b>Eng. 182A3.000</b> <b>Eng. 182A5.000</b> 1370 cc.	82	7712114 46413334	IN EX	<b>R4778/SCR</b> <b>R4779/RCR</b>	30.3 35.5	7 7	110.5 110.5	EE EE	45° 45°
1995	4	Barchetta 1.8 ie 16V <b>Eng. 183A1.000</b> <b>Eng. 188A6.000</b>	82	7766564 7766565 60674496 46533298	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
1995	4	Brava 1.8 ie 16V Bravo 1.8 ie 16V <b>Eng. 182A2.000</b>									
1993	4	Coupè 1.8 ie 16V <b>Eng. 183A1.000</b>									
1996	4	Marea 1.8 ie 16V <b>Eng. 182A2.000</b>									
1999	4	Punto 1.8 ie 16V <b>Eng. 183A1.000</b> <b>Eng. 188A6.000</b>									
2001	4	Stilo 1.8 ie 16V <b>Eng. 192A4.000</b> 1747 cc.									
1995/97 1996/98 1996/98	5	Bravo 2.0 ie 20V Coupè 2.0 ie 20V Marea 2.0 ie 20V <b>Eng. 182A1.000</b>		82	7735898 7735899		IN EX	<b>R4738/SCR</b> <b>R4739/BMCR</b>	30 26	7 7	113.1 108..7
1996	5	Coupè 2.0 ie Turbo 20V <b>Eng. 175A3.000</b> 1998 c.									
1998/00	5	Bravo 2.0 ie 20V <b>Eng. 182B7.000</b> Coupè 2.0 ie 20V <b>Eng. 182B3.000</b> 1998 1999 Marea 2.0 ie 16V <b>Eng. 182B7.000</b> <b>Eng. 185A8.000</b> 1998 cc.	82	7766564 7766565 60674496	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
2006	4	Croma 1.8 ie 16V <b>Eng. 939A4.000</b> 1796 cc.		82	55557741 71744388		IN EX	<b>R6504/SCR</b> <b>R6505/BMCR</b>	31 27.5	5 5	114 113.2

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331 7756897 7757052	<b>G2196</b> <b>G2197</b> <b>G3531</b> <b>G11007</b>	IN  EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
4265699 4372331 7756897 7757052	<b>G2196</b> <b>G2197</b> <b>G3531</b> <b>G11007</b>	IN  EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
7756897 7757052	<b>G3531</b> <b>G11007</b> <b>GS3531</b>	IN/EX  IN/EX	42 42	7.02 7.02	13.03 13.08 13.03	G SM	C.I. C.I.
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	<b>GS3531</b> <b>GS3532</b>	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
	<b>G11515*</b> <b>G11516*</b>	IN EX	42 46	7.02 7.02	13.03 13.03	B B	C.I. C.I.
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	<b>GS3531</b> <b>GS3532</b>	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42 46	7.02 7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
	<b>GS3531</b> <b>GS3532</b>	IN EX	42 46	7.02 7.02	13.03 13.03	SM SM	C.I. C.I.
71739771	<b>G11479</b> <b>G11480</b> <b>GS11479</b>	IN/EX  IN/EX	37 37	5 5	10.03 10.06 10.03	G SM	C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46465330 46787055	<b>PI 06-0004</b>	I
46465330 46787055	<b>PI 06-0004</b>	I
7778140 46411495 46471599	<b>PI 06-0006</b> <b>RA06-902</b>	I
46465330 46787055	<b>PI 06-0004</b>	I
46465330 46787055	<b>PI 06-0004</b>	I
46465330 46787055	<b>PI 06-0004</b>	I






**NOTE**  
remarks

**G11515\***  
**G11516\***  
VERSIONE BRONZO

**FIAT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2001	5	Stilo 2.4 ie 20V Abarth <b>Eng. 192A2.000</b> 2446 cc.	83	7766564 7766565 60674496	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
1996	4	Coupè 2.0 16V <b>Eng. 836A3.000</b> 1998 cc.	82	7722907 7650916	IN EX	<b>R4730/RCR</b> <b>R4731/RARCR</b>	34.4 28.3	7 7	128 125	EE EE	45° 45°
1989/92	4	Tipo 1.8 ie 16V <b>Eng. 160A5.000</b> 1756 cc.	84	7474739 7958073 7574742	IN EX	<b>R4347/RCR</b> <b>R4348/RARCR</b>	34.5 28.5	7 7	128 126	EE EE	45° 45°
1990	4	Tipo 1.8 ie GT Tempra 1.8 ie SX <b>Eng. 159A4.000</b> 1756 cc. Tipo - Tempra 2.0 ie <b>Eng. 159A6.046</b> 1995 cc.	84	4440061 7597080	IN EX	<b>R4174/RCR</b> <b>R3563/RCR</b>	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1986	4	Ritmo 100 S <b>Eng. 149A4.000</b> 1585 cc.	84	4440061 5975341	IN EX	<b>R4174/RCR</b> <b>R3563/RCR</b>	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1980		Ritmo 130 TC									
1981		Nuova Ritmo 130 TC <b>Eng. 138AR2.000</b>									
1981		Nuova Ritmo 125 TC <b>Eng. 138AR1.000</b>									
1986		Croma CHT <b>Eng. 154A1.000</b> 1995 cc.									
1985	4	Croma 2000 ie Turbo <b>Eng. 154A2.000</b> <b>Eng. 154C4.000/046</b> 1995 cc.	84	46406169 4440061 5953041	IN EX	<b>R4174/RCR</b> <b>R4175/RCR</b>	43.5 36	8 8	105.5 106	EE EE	45° 45°
1991/96	4	Croma 2.0 ie 16V 154E1.000	84	7474739 7722907	IN IN	<b>R4347/RCR</b> <b>R4730/RCR</b>	34.5 34.4	7 7	128 128	EE EE	45° 45°
1991/93		Tipo 2.0 ie 16V <b>Eng. 160A8.046</b> <b>Eng. 136A3.000</b> 1995 cc.		7958073 7574742	EX	<b>R4348/RARCR</b>	28.5	7	126	EE	45°
1994	4	Coupè 2.0 ie 16V <b>Eng. 836A3.000</b> 1995 cc.	84	7722907 7650916	IN EX	<b>R4730/RCR</b> <b>R4731/RARCR</b>	34.4 28.3	7 7	128 125	EE EE	45° 45°
1994	4	Coupè 2.0 ie Turbo 16V <b>Eng. 175A1.000</b> 1995 cc.	84	7722907 7650916	IN EX	<b>R4730/RCR</b> <b>R4731/RARCR</b>	34.4 28.3	7 7	128 125	EE EE	45° 45°
1982	4	Ducato 10 <b>Eng. XM7T Peugeot</b> 1795 cc.	84	7910029730 7910028074	IN EX	<b>R3390/N</b> <b>R3391/R</b>	42.5 35.5	8 8	118.6 112.2	E E	30° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42  46	7.02  7.02	13.03 13.08 13.03 13.08	G  G	C.I.  C.I.
7616998 7616992	<b>G3205</b> <b>G3206</b>	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	<b>G3205</b> <b>G3206</b>	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
4250801 4371508	<b>G2231</b> <b>G2232</b>	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508	<b>G2231</b> <b>G2232</b>	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508 82399099	<b>G2231</b> <b>G2232</b> <b>G2239</b> <b>G2240</b>	IN  EX	42  42	8.03  8.03	14.06 14.11 14.06 14.11	G  B	C.I.  C.I.
7616998 7616992	<b>G3205</b> <b>G3206</b>	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	<b>G3205</b> <b>G3206</b>	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
	<b>G2560</b> <b>G2561</b>	IN/EX	55	8.02	14.05 14.10	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46465330 46787055	<b>PI 06-0004</b>	I
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M


**NOTE**  
remarks

**FIAT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1997	4	Ulysse 1.8 <b>Eng. LFW-Peugeot</b> 1762 cc.	85	9635317980 9153501980	IN EX	<b>R4292/XB</b> <b>R4293/RCR</b>	41.5	8	108.5	E	45°
							34.5	8	108.5	E	45°
2000	4	Ulysse 2.0 16V Scudo 2.0 16V <b>Eng. RFN-Peugeot</b> 1997 cc.	85	9623950380 9636001780	IN EX	<b>R6113/S</b> <b>R6114/RCR</b>	33.3	6	106.2	E	45°
							29	6	103.6	E	45°
1973 1974	4	X 1/9 128 Special <b>Eng. 128AS.000</b> 1290 cc.	86	4212771 4239917 4190307 4286929	IN EX	<b>R3323/SCR</b> <b>R3470/R</b>	36	8	108.5	EE	45°
							31	8	109	EE	45°
1978		Regata 70		4315062							
1981		Regata 75 <b>Eng. 128A3.000</b>		4239918 5973128							
1978		Ritmo 65 L - CL <b>Eng. 138A1.000</b>									
1978		Nuova Ritmo 70 <b>Eng. 138B2.000</b>									
1983		Ritmo 70 CL <b>Eng. 149A7</b>									
1981		Ritmo Super 75 <b>Eng. 128A3.000</b>									
1983		Uno 70 <b>Eng. 138B2.000</b> 1301 cc.									
1994	4	Ulysse 2.0 <b>Eng. XU10J2CTE</b> 1998 cc.	86	9605936180 9614703280	IN EX	<b>R4608/S</b> <b>R4609/RCR</b>	42.6	8	108.8	I	45°
							34.5	8	108.4	I	45°
1994	4	Ulysse 2.0 Turbo <b>Eng. RGX-Peugeot</b> 1997 cc.	86	9605936180 9614703280	IN EX	<b>R4608/S</b> <b>R4609/RCR</b>	42.6	8	108.8	I	45°
							34.5	8	108.4	I	45°
1998/00	4	Ulysse 2.0 16V <b>Eng. RFV -Peugeot</b> 1997 cc.	86	9628943380 9629861180	IN EX	<b>R6112/S</b> <b>R6111/RCR</b>	34.6	6	106.4	E	45°
							29.6	6	105.8	E	45°
1978 1981/85	4	Ritmo 75 L - CL <b>Eng. 138A2.000</b> Ritmo Super 85 <b>Eng. 138A4.000</b>	86.4	4460697 4239917 4319339 4403047	IN EX	<b>R3323/SCR</b> <b>R3594/RCR</b>	36	8	108.5	EE	45°
							33.5	8	109	EE	45°
1989		Uno 75 <b>Eng. M6505AA</b> 1498 cc.		5973129							
1988 1989	4	Tipo DGT 1.6 <b>Eng. 160A2.000</b> Tempra <b>Eng. 159A3.000</b> 1580cc.	86.4	7609772 4319339 4403047 5973129	IN EX	<b>R4252/SCR</b> <b>R3594/RCR</b>	37.5	8	108.5	EE	45°
							33.5	8	109	EE	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3239</b> <b>G3241</b>	IN EX	38.7 45	8.01 8.01	13.06 13.07	B B	C.I. C.I.
	<b>G11352</b> <b>G11353</b>	IN/EX	41	6	12.07 12.12	B	C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	<b>GS2265</b>	IN/EX	46.5	8.03	14.06	SM	C.I.
	<b>G3340</b> <b>G3341</b> <b>G3344</b> <b>G3345</b>	IN EX	43.5 51	8.01 8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
	<b>G3340</b> <b>G3341</b> <b>G3344</b>	IN EX	43.5 51	8.01 8.01	13.07 13.12 13.07	B B	C.I. C.I.
	<b>G11158</b> <b>G11223</b> <b>G11159</b>	IN EX	41 41	5.98 5.99	12.07 12.12 12.07	B G	C.I. C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0002</b>	I
4152447 60800018	<b>PI 03-102</b>	M
	<b>PI 06-0007</b>	I


 NOTE  
remarks

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## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1989 1990 1993  1995	4	Fiorino 1.6 Tipo - Tempra 1.6 SX Punto 90 SX - ELX Punto Cabrio <b>Eng. 176A9.000</b> 1581 cc.	86.4	7617500 4315062 4239918 5973128	IN EX	<b>R4625/SCR</b> <b>R3324/RCR</b>	39.5 31	8 8	108.5 109	EE EE	45° 45°
1996	4	Scudo 1.6 ie <b>Eng. 220A2.000</b> 1581 cc.	86.4	46531591 5973128	IN EX	<b>R4252/SCR</b> <b>R3324/RCR</b>	37.5 31	8 8	108.5 109	EE EE	45° 45°
1995 1995 1996  1996	4	Brava 1.6 ie 16V Bravo 1.6 ie 16V Marea 1.6 ie 16V Marea 1.6 ie 16V BP Palio 1.6 ie 16V <b>Eng. 182A4.000</b> <b>Eng. 182A6.000</b> 1581 cc. <b>Until eng. 9911364</b>	86.4	46413806 46462158 46413807 46462159	IN EX	<b>R4780/SCR</b> <b>R4781/RCR</b>	30.4 29.7	7 7	102.5 102.8	EE EE	45° 45°
1995 1995 1996  1996	4	Brava 1.6 ie 16V Bravo 1.6 ie 16V Marea 1.6 ie 16V Marea 1.6 ie 16V BP Palio 1.6 ie 16V <b>Eng. 182A4.000</b> <b>Eng. 182A6.000</b> 1581 cc. <b>From eng. N. 9911365</b>	86.4	46761369 46517325 55192067 46761370 46451209 55196738	IN EX	<b>R6153/SCR</b> <b>R6154/RCR</b>	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°
1999	4	Multipla 1.6 ie 16V Bipower/Blupower <b>Eng. 182A4.000</b> <b>Eng. 186A3.000</b> <b>Eng. 186A4.000</b> 1581 cc.	86.4	46517325 46451209	IN EX	<b>R6153/SCR</b> <b>R6154/RCR</b>	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°
1986	4	Nuova Ritmo 85/85S Regata 85 <b>Eng. 138B3.000</b> Ritmo 85 <b>Eng. 149A5.000</b> 1498 cc.	86.6	4460697 4239917 4319339 4403047 5973129	IN EX	<b>R3323/SCR</b> <b>R3594/RCR</b>	36 33.5	8 8	108.5 109	EE EE	45° 45°
1982	4	Ducato 13 Furgone <b>Eng. XN1T Peugeot</b> 1971 cc.	88	7910029730 7910028074	IN EX	<b>R3390/N</b> <b>R3391/R</b>	42.5 35.5	8 8	118.6 112.2	E E	30° 45°
1993	6	Croma 2.5 V6 <b>Eng. M612FA.25.C</b> 2492 cc.	88	119280330001 119280330101	IN EX	<b>R3961/RCR</b> <b>R3962/RCR</b>	41 36.5	9 9	107.5 94.5	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4265699 4372331 7756897 7757052	<b>G2196</b> <b>G2197</b> <b>G3531</b> <b>G11007</b>	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
	<b>GS2196</b> <b>GS3531</b>	IN EX	42.5 42	7.03 7.02	13.04 13.03	SM SM	C.I. C.I.
4265699 4372331 7756897 7757052	<b>G2196</b> <b>G2197</b> <b>G3531</b> <b>G11007</b>	IN EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
	<b>GS2196</b> <b>GS3531</b>	IN EX	42.5 42	7.03 7.02	13.04 13.03	SM SM	C.I. C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	<b>GS2265</b>	IN/EX	46.5	8.03	14.06	SM	C.I.
	<b>G2560</b> <b>G2561</b>	IN/EX	55	8.02	14.05 14.10	G	C.I.
119130150302 60737369	<b>G2042</b> <b>G2043</b> <b>G3122</b> <b>G3123</b>	IN EX	49 42.5	9 9	14.05 14.10 14.07 14.12	B G	C.I. C.I.

**PI PUNTERIE · LIFTERS  
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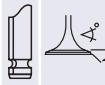

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
46465330 46787055	<b>PI 06-0004</b>	I
46465330 46787055	<b>PI 06-0004</b>	I
46465330 46787055	<b>PI 06-0004</b>	I
4152447 60800018	<b>PI 03-102</b>	M


 NOTE  
remarks

FIAT

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
<b>FIAT DIESEL</b>											
2003	4	Punto 1.3 MJT 16V Panda 1.3 MJT 16V Idea 1.3 MJT 16V	69.6	55195680 46518930 55219793							
2007		500 1.3 MJT 16V		55211966	IN	<b>R6304/SCR</b>	21.9	6	109.2	I	45°
2009		Qubo 1.3 MJT 16V <b>Eng. 188A9.000</b> <b>Eng. 169A.1000</b> 1248 cc.		46518931 55208213 55211867	EX	<b>R6305/BMCR</b>	21.9	6	109.2	I	45°
2006	4	Grande Punto 1.3 MJT 16V <b>Eng. 199A2.000</b> <b>Eng. 199A3.000</b> 1248 cc.	69.6	55195680 46518930 46518931 55208213	IN EX	<b>R6304/SCR</b> <b>R6305/BMCR</b>	21.9 21.9	6 6	109.2 109.2	I I	45° 45°
2009	4	Punto 1.3 MJT 16V Panda 1.3 MJT 16V Idea 1.3 MJT 16V 500 1.3 MJT 16V Qubo 1.3 MJT 16V Grande Punto 1.3 MJT 16V <b>Eng. 199B1.000-B4.000</b> <b>Euro 5</b> 1248 cc.	69.6	55204574 55223835 55229957 55270167 55270168 55223836 55229958 55270169 55270170	IN     EX	<b>R6636/SCR</b>     <b>R6640/BMCR</b>	22.45     22.5	6     6	109.2     109.2	I     I	45°     45°
2015	4	500 1.3 Mjtd 16V <b>Eng. 312B1.000-B5.000</b> <b>Euro 6</b> 1242 cc.	69.6	55204574 55223835 55229957 55270167 55270168 55223836 55229958 55270169 55270170	IN     EX	<b>R6636/SCR</b>     <b>R6640/BMCR</b>	22.45     22.5	6     6	109.2     109.2	I     I	45°     45°
1981/87	4	127 1.3 D	76	4424173	IN	<b>R3637/RCR</b>	34	8	112	EE	45°
1981/93		Fiorino 1.3 D <b>Eng. 127A5.000</b>		4424174	EX	<b>R3638/RCR</b>	29	8	112	EE	45°
1986/89		Panda 1.3 D <b>Eng. 156A5.000</b>									
1983/92		Uno 45 1.3 D <b>Eng. 146B1.000</b> 1301 cc.									
2006	4	Scudo 1.6 D <b>Peugeot engine 9HV</b> 1560 cc.	75	9645024780 9640840080	IN EX	<b>R6397/SCR</b> <b>R6398/BMCR</b>	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
1986	4	Uno 1.4 TD <b>Eng. 146B6.000</b> <b>Eng. 146B3.000</b> 1367 cc.	78	7553000 7553004	IN EX	<b>R4195/RCR</b> <b>R4196/RCR</b>	33 30	8 8	117 117	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
46816601 46816602	<b>G11310</b> <b>G11311</b>	IN/EX	43	6.02	10.03 10.07	G	L-X
	<b>GS11310</b>	IN/EX	43	6.02	10.03	SM	L-X
46816601 46816602	<b>G11310</b> <b>G11311</b>	IN/EX	43	6.02	10.03 10.07	G	L-X
	<b>GS11310</b>	IN/EX	43	6.02	10.03	SM	L-X
46816601 46816602	<b>G11310</b> <b>G11311</b>	IN/EX	43	6.02	10.03 10.07	G	L-X
	<b>GS11310</b>	IN/EX	43	6.02	10.03	SM	L-X
46816601 46816602	<b>G11310</b> <b>G11311</b>	IN/EX	43	6.02	10.03 10.07	G	L-X
	<b>GS11310</b>	IN/EX	43	6.02	10.03	SM	L-X
4373602 4373603	<b>G2251</b> <b>G2252</b>	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
4373602 4373603	<b>G2251</b> <b>G2252</b>	IN/EX	46.5	8.03	15.06 15.11	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925 73501138	<b>PI 06-0019</b> <b>RA06-900</b>	I
46475925 73501138	<b>PI 06-0019</b> <b>RA06-900</b>	I
46475925 73501138	<b>PI 06-0019</b> <b>RA06-900</b>	I
46475925 73501138	<b>PI 06-0019</b> <b>RA06-900</b>	I
4152447	<b>PI 03-102</b>	M
963237240 9650981280 9640253580	<b>PI 06-0019</b> <b>RA06-934</b>	I
4152447	<b>PI 03-102</b>	M





 NOTE  
remarks

FIAT DIESEL

**PI 06-0019**  
Ball 8.3 mm

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	4	Idea 1.6 MJTD 16V Grande Punto 1.6 MJTD 16V Bravo 1.6 MJT D16V 500I 1.6 MJTD 16V <b>Eng. 3502A2000</b> <b>Eng. 955A3000</b> <b>Eng. 198A2000</b> <b>Euro 5</b> 1598 cc.	79.5	55205125 55207955	IN EX	<b>R6590/SCR</b> <b>R6388/BMCR</b>	26.6 24.5	5 5	114.4 114.4	I I	45° 45°
2015	4	500X MJTD 1.6 16V <b>Eng. 55260384</b> <b>Euro 6</b> 1598 cc.	79.5	55261262 55207955	IN EX	<b>R6867/SCR</b> <b>R6388/BMCR</b>	26.6 24.5	5 5	114.4 114.4	I I	45° 45°
2016	4	Fiat Talento 1.6 DCI <b>Eng. R9M</b> 1598 cc.	80	6000616511 6000616514 6000615512	IN EX	<b>R6797/S</b> <b>R6798/BM</b>	23.50 23.40	6 6	104.20 104.07	I I	45° 45°
1996	4	Brava 1.9 TD Bravo 1.9 TD Marea 1.9 TD	82	7798620 46527855 7783225	IN EX	<b>R4740/BMCR</b> <b>R4741/BMCR</b>	37.5 31	8 8	114.5 114.2	I I	45° 45°
1997		Marengo 1.9 TD <b>Eng. 182A7.000</b> <b>Eng. 182A8.000</b> 1910 cc.			46527856						
2001		Doblò 1.9 D Doblò Cargo 1.9 D <b>Eng. 223A6.000</b> 1910 cc.									
2001	4	Palio 1.9 D Strada 1.9 D <b>Eng. 223A6.000 Euro 3</b> 1910 cc.									
1999		Punto 1.9 D Punto Van 1.9D <b>Eng. 188A3.000</b> Euro 2 - 3 1910 cc.									
1996/98	5	Marea 2.4 TD <b>Eng. 185A2.000</b> 2387 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
55210016	<b>G11481</b>	IN/EX	46.7	5	10.03	G	L
55210015	<b>G11482</b>				10.06		
	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L
55210016	<b>G11481</b>	IN/EX	46.7	5	10.03	G	L
55210015	<b>G11482</b>				10.06		
	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L
	<b>G11308</b>	IN/EX	40.5	6	11.07	B	C.I.
	<b>G11309</b>				11.12		
7565472	<b>G11000</b>	IN/EX	43	8.02	14.03	G	C.I.
46433782	<b>G11018</b>				14.06		
46433783	<b>G11019</b>				14.11		
	<b>GS11000</b>	IN/EX	43	8.02	14.03	SM	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925	<b>PI 06-0019</b>	I
55186463	<b>RA06-933</b>	
46475925	<b>PI 06-0019</b>	I
55186463	<b>RA06-933</b>	
	<b>PI 06-0019</b>	I
	<b>RA06-940</b>	
41524470	<b>PI 03-102</b>	M


**NOTE  
remarks**
**FIAT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1998	4	Brava 1.9 JTD <b>Eng. 182A7.000</b> <b>Eng. 182A8.000</b>	82	46478834 55193126 46416321	IN EX	<b>R4941/BMCR</b> <b>R4943/BMCR</b>	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
1998		Bravo 1.9 JTD		55202630							
1999		Marea 1.9 JTD		46783962							
1999		Marengo 1.9 JTD <b>Eng. 182B9.000</b> <b>Eng. 182B4.000</b> <b>Eng. 186A6.000</b>									
2001		Doblò 1.9 JTD									
2001		Doblò Cargo 1.9 JTD <b>Eng. 182B9.000</b> <b>Eng. 186A9.000</b>									
2004		Idea 1.9 JTD Idea Van 1.9 JTD <b>Eng. 188B2.000</b>									
1999/03		Multipla 1.9 JTD <b>Eng. 182B4.000</b> <b>Eng. 186A6.000</b> <b>Eng. 186A8.000</b>									
2004		Multipla 1.9 JTD <b>Eng. 186A9.000</b>									
2002/04		Palio 1.9 JTD									
1999		Punto 1.9 JTD Punto Van 1.9 JTD <b>Eng. 188A2.000</b> <b>Eng. 188A7.000</b>									
2003		Punto 1.9 JTD <b>Eng. 188B2.000</b>									
2001		Stilo 1.9 MJT 8V <b>Eng. 192A8.000</b> <b>Eng. 192B5.000</b> <b>Eng. 192A1.000/A3.000</b>									
2006		Grande Punto 1.9 MJT 8V									
2006		Croma 1.9 MJT 8V <b>Eng. 199A5.000</b> <b>Eng. 939A1.000</b>									
2006		Sedici 1.9 MJT 8V <b>Eng. D19AA</b> 1910 cc.									
2004	4	Stilo 1.9 MJT 16V <b>Eng. 937A5.000</b>	82	55195535 46802049	IN EX	<b>R6203/SCR</b> <b>R6204/BMCR</b>	28 26	6 6	114.40 114.40	I I	45° 45°
2006		Croma 1.9 MJT 16V <b>Eng. 939A1.000</b> 1910 cc.		46787902 55190249							



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7565472 46433782-55193339 46433783	<b>G11000</b> <b>G11018</b> <b>G11019</b>	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
	<b>GS11000</b>	IN/EX	43	8.02	14.03	SM	C.I.
55186786	<b>G11302</b> <b>G11303</b>	IN/EX	47	6.02	11.03 11.06	G	C.I.
55186786	<b>GS11302</b>	IN/EX	47	6.02	11.03	SM	C.I.

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ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	<b>PI 03-102</b>	M
46475925 46764765 55200333	<b>PI 06-0019</b> <b>RA06-903</b> <b>RA06-901</b>	I


**NOTE  
remarks**
**RA06-903**  
55X17R17X10  
**RA06-901**  
57X17R17X10

**FIAT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
07/2006	4	Stilo 1.9 MJT 16V <b>Eng. 937A5.000</b> Croma 1.9 MJT 16V <b>Eng. 939A1.000</b> 1910 cc.	82	55206431 55205183	IN EX	<b>R6387/SCR</b> <b>R6388/BMCR</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
2009 <b>NEW</b>	4	Croma 1.9 MJT 16V <b>Eng. 939A2000</b> 1910 cc.	82	55206431 55207955	IN EX	<b>R6387/SCR</b> <b>R6388/BMCR</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
1999	5	Marea 2.4 TD <b>Eng. 185A6.000</b> 2387 cc.	82	55193126 46783962	IN EX	<b>R4941/BMCR</b> <b>R4943/BMCR</b>	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
2005	5	Croma 2.4 MJT 20V <b>Eng. 939A3.000</b> 2387 cc.	82	55195535 46802049 46787902 55190249	IN EX	<b>R6203/SCR</b> <b>R6204/BMCR</b>	28 26	6 6	114.40 114.40	I I	45° 45°
2005	5	Croma 2.4 JTDM 20V <b>Eng. 939A3000</b> <b>Up to eng. 5553217</b> 2387 cc.	82	55190248 55190249	IN EX	<b>R6601/SCR*</b> <b>R6602/BMCR*</b>	27.9 24.9	5 5	114.2 114.2	I I	45° 45°
07/2006	5	Croma 2.4 JTDM 20V <b>Eng. 939A3.000</b> <b>From eng. 5553218</b> 2387 cc.	82	55206431 55205183	IN EX	<b>R6387/SCR*</b> <b>R6388/BMCR*</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
1998	4	Scudo 1.9 D <b>Eng. WJY-WJZ-DW8</b> 1868 cc.	82.2	9630597380 96272853 9613736280	EX EX	<b>R4243/SCR</b> <b>R3988/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
55210016	<b>G11481</b>	IN/EX	46.7	5	10.03	G	L
55210015	<b>G11482</b>				10.06		
55210016	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L
55210016	<b>G11481</b>	IN/EX	46.7	5	10.03	G	L
55210015	<b>G11482</b>				10.06		
55210016	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L
7565472	<b>G11000</b>	IN/EX	43	8.02	14.03	G	C.I.
46433782	<b>G11018</b>				14.06		
46433783	<b>G11019</b>				14.11		
55186786	<b>G11302</b>	IN/EX	47	6.02	11.03	G	C.I.
	<b>G11303</b>				11.06		
55186786	<b>GS11302</b>	IN/EX	47	6.02	11.03	SM	C.I.
55210016	<b>G11481</b>	IN/EX	46.7	5	10.03	G	L
55210015	<b>G11482</b>				10.06		
	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L
55210016	<b>G11481</b>	IN/EX	46.7	5	10.03	G	L
55210015	<b>G11482</b>				10.06		
55210016	<b>GS11481</b>	IN/EX	46.7	5	10.03	SM	L
	<b>G3163</b>	IN/EX	52	8.02	14.05	B	L
	<b>G3528</b>	IN/EX	48	8.02	14.05	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925	<b>PI 06-0019</b>	I
55186463	<b>RA06-933</b>	
46475925	<b>PI 06-0019</b>	I
55186463	<b>RA06-933</b>	
4152447	<b>PI 03-102</b>	M
46475925	<b>PI 06-0019</b>	I
46764765	<b>RA06-903</b>	
55200333	<b>RA06-901</b>	
46475925	<b>PI 06-0019</b>	I
55186463	<b>RA06-933</b>	
46475925	<b>PI 06-0019</b>	I
55186463	<b>RA06-933</b>	


**NOTE  
remarks**
**RA06-903**  
55X17R17X10  
**RA06-901**  
57X17R17X10





**R6601/SCR\***  
Retainer s.e. 5.8 mm  
**R6602/BMCR\***  
Retainer s.e. 6.5 mm

**R6387/SCR\***  
Retainer s.e. 4.9 mm  
**R6388/BMCR\***  
Retainer s.e. 5.9 mm

**FIAT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1987/91	4	Duna 1.7 D <b>Eng. 160A7.000</b>	82.6	5990532 5990533	IN EX	<b>R3953/SCR</b> <b>R3954/RCR</b>	37.5 33.5	8 8	117 117	EE EE	45° 45°
1986/89		Regata 1.7 D									
1986/88		Ritmo 1.7 D									
1989/92		Uno 60 D									
1988/91		Uno Van 1.7 D <b>Eng. 149B3.000</b>									
1988/96		Tipo 1.7 D <b>Eng. 149B4.00</b>									
1992/94		Uno 1.7 D									
1988		Fiorino 1.7 D									
1992/94		Uno Van 1.7 D <b>Eng. 146B2.000</b> <b>Eng. 149B3.000</b> <b>Eng. 149B4.046</b>									
		1697 cc.									
1994/98		Palio 60 1.7 D									
1993/96		Punto 1.7 D									
1993/96		Punto Van 1.7 d <b>Eng. 176B3.000</b>									
		1698 cc.									
1995/97		Brava 1.9 D	82.6	5990532	IN	<b>R3953/SCR</b>	37.5	8	117	EE	45°
		Bravo 1.9 D		5990533	EX	<b>R3954/RCR</b>	33.5	8	117	EE	45°
1990/96		Tempra 1.9 D									
1990/96		Tipo 1.9 D									
1990/97		Marengo 1.9 D									
		<b>Eng. 160A7.000</b>									
1984/90		Regata 1.9 D <b>Eng. 149A1.000</b>									
1989/94		Uno 1.9 D <b>Eng. 149B5.046</b>									
1987/94		Ducato 1.9 D <b>Eng. 149B1.000</b>									
1989/94		Talento 1.9 D									
1994/01		Ducato 1.9 D <b>Eng. 230A2.000</b>									
		1929 cc.									
1996/01	4	Palio 70 1.7 TD	82.6	7547158	IN	<b>R4627/RCR</b>	37.5	8	116.5	EE	45°
1993/99		Punto 1.7 TD		7588577	EX	<b>R4626/RCR</b>	33.5	8	116.5	EE	45°
1993/99		Punto Van 1.7 TD									
1999		Strada 1.7 TD <b>Eng. 176A3.000</b> <b>Eng. 176A5.000</b> <b>Eng. 176B7.000</b>									
		1698 cc.									
1997		Fiorino 1.7 TD <b>Eng. 146D7.000</b>									
		1697 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	<b>G2265</b>	IN/EX	46.5	8.03	14.06	G	C.I.
	<b>G2266</b>				14.11		
4354245 4471271	<b>GS2265</b>	IN/EX	46.5	8.03	14.06	SM	C.I.
4354245 4471271	<b>G2828</b>	IN/EX	59.5	8.03	15.03	G	C.I.
	<b>G2279</b>				15.08		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M

 NOTE  
remarks

FIAT DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986/90		Regata 1.9 TD	82.6	7547158	IN	<b>R4627/RCR</b>	37.5	8	116.5	EE	45°
1986/88		Rtmo 1.9 TD		7588577	EX	<b>R4626/RCR</b>	33.5	8	116.5	EE	45°
1990/97		Tempra 1.9 TD									
1990/96		Tipo 1.9 TD									
1990/97		Marengo 1.9 TD									
		<b>Eng. 160A6.000/A6.046</b>									
		<b>Eng. 160B6.000</b>									
		<b>Eng. 160D1.000</b>									
1989/94		Ducato 1.9 TD									
		<b>Eng. 280A1.000</b>									
1994		Ducato 1.9 TD									
		<b>Eng. 230A4.000</b>									
		<b>Eng. 230A3.000</b>									
		1929 cc.									
1989/96	4	Croma 1.9 TD ie	82.6	7597566	IN	<b>R4392/SCR</b>	36.5	8	114	EE	45°
		<b>Eng. 154B.000</b>		7597565	EX	<b>R4393/RCR</b>	33.5	8	114	EE	45°
		<b>Eng. 154C6.000</b>									
		<b>Eng. 154D1.000</b>									
		1929 cc.									
1980/85	4	Ritmo D L - CL	83	4368843	IN	<b>R3609/SCR</b>	38.5	8	126	EE	45°
		Nuova Ritmo D		4368845	EX	<b>R3610/RCR</b>	33.5	8	126	EE	45°
		Regata D		5996615							
		<b>Eng. 138B6.000</b>									
		1714 cc.									
1995	4	Ulysse 1.9 TD	83	9601136380	IN	<b>R4883/RCR</b>	38.5	8	112.4	E	45°
1995		Ducato 1.9TD		96272853	EX	<b>R3988/RCR</b>	33	8	112	E	45°
1996		Scudo 1.9 TD		9613736280							
		<b>Eng. DHX-D8B</b>									
		1905 cc.									
1996/98	4	Scudo 1.9 D	83	9630597380	EX	<b>R4243/SCR</b>	38.5	8	112.4	E	45°
		<b>Eng. D9B</b>		96272853	EX	<b>R3988/RCR</b>	33	8	112	E	45°
		1905 cc.		9613736280							
2008	4	Bravo 2.0 MJTD 16V	83	55206431	IN	<b>R6387/SCR</b>	28	5	114.4	I	45°
		<b>Eng. 198A5000</b>		55207955	EX	<b>R6388/BMCR</b>	24.5	5	114.4	I	45°
		1956 cc.									
2011	4	Freemont 2.0MJTD 16V	83	55206431	IN	<b>R6387/SCR</b>	28	5	114.4	I	45°
		<b>Eng. 939B5.000</b>		55207955	EX	<b>R6388/BMCR</b>	24.5	5	114.4	I	45°
		<b>Eng. 940A5.000</b>									
		1956 cc.									
2015	4	500X 2.0 MJTD 16V	83	55261261	IN	<b>R6868/SCR</b>	28	5	114.4	I	45°
		<b>Eng. 55263087-55263088</b>		55207955	EX	<b>R6388/BMCR</b>	24.5	5	114.4	I	45°
		1956 cc.									
1999	4	Ulysse 2.0 JTD	85	9624774280	IN	<b>R6092/SCR</b>	35.6	6	107.1	I	45°
1999		Ducato 2.0 JTD		9624774580	EX	<b>R6093/BMCR</b>	33.8	6	107.1	I	45°
1999		Scudo 2.0 JTD									
		<b>Eng. RHZ-RHX-RHV</b>									
		1998 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	<b>GS2265</b>	IN/EX	46.5	8.03	14.06	SM	C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	<b>GS2265</b>	IN/EX	46.5	8.03	14.06	SM	C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
	<b>G3528</b> <b>G11025</b>	IN/EX	48	8.02	14.05 14.10	B	C.I.
	<b>G3163</b> <b>G3528</b>	IN/EX IN/EX	52 48	8.02 8.02	14.05 14.05	B B	L C.I.
	55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 5	10.03 10.06 10.03	G SM	L L
55210016 55210015		<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 5	10.03 10.06 10.03	G SM	L L
	55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 5	10.03 10.06 10.03	G SM	L L
9640340380		<b>G11319</b> <b>G11320</b> <b>GS11319</b> <b>G11396</b> <b>G11397</b>	IN/EX IN/EX IN/EX	41.5 6 41.5 6 42.5	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
9638075480	<b>PI 06-0019</b> <b>RA06-913</b>	I I


**NOTE  
remarks**
**RA06-913**  
L46 DIA R 17 MM

**FIAT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	Ulysse 2.1 TD 12V <b>Eng. XUD11BTE-Turbo</b> 2088 cc.	85	0948.68	IN	<b>R4623/SCR</b>	33.9	8	122.3	I	45°
				0949.68	EX	<b>R4624/BMARCR</b>	33.9	8	121.9	I	45°
2000	4	Ulysse 2.0 JTD 16V Scudo 2.0JTD 16V <b>Eng. RHM-RHT-RHW</b> 1997 cc.	85	9635317980	IN	<b>R6161/SCR</b>	29.9	6	106.2	I	45°
2001				9635318480	EX	<b>R6162/BMCR</b>	25	6	106.1	I	45°
2006	4	Ulysse 2.0 MJTD 16V <b>Eng. RHR-RHK</b> 1997 cc.	85	9627184380	IN	<b>R6163/SCR</b>	29.8	6	105	I	45°
				9683321080	EX	<b>R6164/BMCR</b>	25	6	105	I	45°
2001	4	Ulysse 2.2 JTD <b>Eng. 4HW</b> 2179 cc.	85	9627184380	IN	<b>R6163/SCR</b>	29.8	6	105	I	45°
				9634437580	EX	<b>R6164/BMCR</b>	25	6	105	I	45°
2006	4	Ducato 2.2 JTD <b>Eng. 4HV</b> 2198 cc.	86	9660035980	IN	<b>R6508/SCR</b>	29.8	7	122.3	I	30°
				9660640080	EX	<b>R6509/RCR</b>	25.8	7	122.1	I	45°
1974/81	4	242 D <b>Eng. B22.615</b> 2175 cc. 242 E <b>Eng. B25.637</b> 2499 cc.	90  93	5471746	IN	<b>R3517/SCR</b>	42	8	121.5	I	45°
				5414239	EX	<b>R3518/BMCR</b>	35	9	121.5	I	45°
2006	4	Ducato 2.3 JTD 16V <b>Eng. F1AE481B</b> 2287 cc.	88	504069199	IN	<b>R6339/SCR</b>	30	6	120.4	I	45°
				500362856	EX	<b>R6340/BMCR</b>	30	6	120.35	I	45°
1978/83	4	131 D - 132 D <b>Eng. 8144.65</b> 1995 cc. 131 D - Campagnola <b>Eng. 8142.61</b> 132 D - Argenta D <b>Eng. 8144.61</b> Ducato <b>Eng. 8144.65</b> 2445 cc.	88	4733348	IN	<b>R4504/BMNT</b>	40.9	8	121.9	EE	30°
				4741915	IN	<b>R3596/BMNT</b>	41	8	122	EE	45°
				4757358	IN	<b>R3642/BMNT</b>	41	8	120.9	EE	30°
			93	4754990	IN	<b>R3645/BMNT</b>	41	8	121	EE	45°
				4733349	EX	<b>R3597/BMNT</b>	32.9	8	122	EE	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3513</b> <b>G11026</b>	IN/EX	54.5	8.01	13.06 13.12	B	C.I.
9640340380	<b>G11319</b> <b>G11320</b> <b>GS11319</b> <b>G11396</b> <b>G11397</b>	IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.
9640340380	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX IN/EX	41.5 41.5	6 6	10.06 10.11 10.06	G SM	L L
	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX IN/EX	41.5 41.5	6 6	10.06 10.11 10.06	G SM	L L
	<b>G11569</b> <b>G11570</b>	IN/EX	51.5	6.96	12.06 12.10	G	L
5414143	<b>G2273</b> <b>G2274</b>	IN	54	8	13.07 13.12	G	C.I.
5414141	<b>G2276</b> <b>G2277</b>	EX	57	8.98	13.07 13.12	G	C.I.
504053804	<b>G11388</b> <b>G11389</b> <b>G11390</b> <b>G11391</b>	IN/EX	49	6	10.05 10.10 10.15 10.20	G	L
4749395 4749397 4726483 4733258	<b>G2713</b> <b>G2834</b> <b>G2269</b> <b>G2270</b>	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9301337280 THRUST PAD	<b>PI 06-0017</b> <b>RA06-912</b> <b>RA06-927</b>	I
504014269 9651263580	<b>PI 06-0039</b> <b>RA06-915</b>	I
504014269 9651263580	<b>PI 06-0039</b> <b>RA06-915</b>	I
9638075480 9651263580 9683893280	<b>PI 06-0039</b> <b>RA06-915</b>	I
504074464 504014269	<b>PI 06-0008</b> <b>RA06-916</b>	I
4733350	<b>PI 03-101</b>	M


**NOTE**  
remarks

**RA06-915**  
L58.4

**RA06-915**  
L58.4





**RA06-915**  
L58.4

**RA06-916**  
L66X19.5R22.83

**FIAT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983/84	4	131 Supermirafiori D Nuova Argenta D Ducato D <b>Eng. 8144.61</b> 2445 cc.	93	7301820 504069200 7301821 4826033 7302157	IN EX EX	<b>R3989/RNT</b>  <b>R3990/RCR</b>  <b>R3991/RCR</b>	41 34.5 34.5	8 8 8	120.7 122 122	EE EE EE	30° 45° 45°
1983/86		Argenta TD <b>Eng. 8144.81 Turbo</b> Croma TD <b>Eng. 8144.91 Turbo</b> 2445 cc.									
1986		Ducato TD <b>Eng. 8144.21id - Turbo</b> 2445 cc.									
1986/86		Argenta D - Croma D Ducato D <b>Eng. 8144.67</b> 2499 cc.									
1991		Croma TD <b>Eng. 8144.97 Turbo</b> 2499 cc.									
1994	4	Ducato 2.5 JTD <b>Eng. 8140.47R-8140.47</b> 2445 cc.	93	7301820 4826033	IN EX	<b>R3989/RNT</b> <b>R3990/RCR</b>	41 34.5	8 8	120.7 122	EE EE	30° 45°
1996	4	Ducato 2.8 D <b>Eng. 8140.63</b> 2798 cc.	94.4	98468338 99432837	IN EX	<b>R4762/BMCR</b> <b>R4887/BMCR</b>	43.5 36	8 8	122 122	EE EE	45° 45°
1996	4	Ducato 2.8 TD id <b>Eng. 8140.43</b> 2798 cc.	94.4	7301820 99432837	IN EX	<b>R3989/RNT</b> <b>R4887/BMCR</b>	41 36	8 8	120.7 122	EE EE	30° 45°
2000	4	Ducato 2.8 JTD <b>Eng. 8140.43S</b> 2798 cc.	94.4	7301820 99432837	IN EX	<b>R3989/RNT</b> <b>R4887/BMCR</b>	41 36	8 8	120.7 122	EE EE	30° 45°
2006	4	Ducato 3.0 JTD 16V <b>Eng. F1CE0481A</b> 2998 cc.	95.8	504072531 504081062	IN EX	<b>R6368/SCR</b> <b>R6369/BMCR</b>	32.4 32.4	6 6	120 119.95	I I	30° 30°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4749395 4749397 4726483 4733258	<b>G2713</b> <b>G2834</b> <b>G2269</b> <b>G2270</b>	IN  EX	56  60	8.03  8.03	13.03 13.08 13.03 13.08	G  G	C.I.  L
4749395 4749397	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	<b>G2713</b> <b>G2834</b> <b>G11568</b>	IN/EX IN/EX	56 56	8.03 8.03	13.03 13.08 13.03	G B	C.I. C.I.
4749395 4749397	<b>G2713</b> <b>G2834</b> <b>G11568</b>	IN/EX IN/EX	56 56	8.03 8.03	13.03 13.08 13.03	G B	C.I. C.I.
500388426  504053804	<b>G11388</b> <b>G11389</b> <b>G11390</b> <b>G11391</b> <b>G11587</b>	IN/EX  IN/EX	49  49	6  6	10.05 10.10 10.15 10.20 10.05	G  B	L  L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
	<b>PI 06-0008</b> <b>RA06-916</b>	I






**NOTE  
remarks**

			<b>G11568</b> VERSIONE BRONZO
			<b>G11568</b> VERSIONE BRONZO
			<b>RA06-916</b> L66X19.5R22.83 <b>G11587</b> VERSIONE BRONZO

**FIAT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
<b>FIAT NEW HOLLAND</b>											
	2	250 - 255 - 30 - 300 <b>Eng. 8025.01</b> 1599 cc.	95	4802200 4621511 4673608	IN/D  EX	<b>R3479/NNT</b>  <b>R3440/RNT</b>	44  37	8  8	126  125.5	E  E	45°  45°
	3	350 - 355 - 400 - 420 450 - 455C - 460 - 470 480 <b>Eng. 8035.01</b> 2338 cc.		Spessore testa maggiorato 1 mm	IN/D EX	<b>R4100/NNT</b> <b>R4101/RNT</b>	44 37	8 8	126 125.5	E E	45° 45°
	4	550 - 555 <b>Eng. 8045.01</b> 3119 cc.									
	2	300 - 350 - 355C <b>Eng. 8025.02</b> 1728 cc.	100								
	3	440 - 446 - 450 - 455 465 - 466 - 474 - 480 500 - 505 - 540 <b>Eng. 8035.02</b> 2592 cc.									
	4	600 - 605 - 640 - 665 666 - 670 - 680 80.66/70 <b>Eng. 8045.02</b> 3455 cc.									
	6	980 - 1000 <b>Eng. 8065.02</b> 5184 cc.									
	3	505 C - 565 C - 570 580 <b>Eng. 8035.04</b> 2748 cc.	103								
	4	765 C - 766 - 780 - 855 <b>Eng. 8045.04</b> 3666 cc.									
	5	880/5 - 90 - 90.90/55 955 C <b>Eng. 8055.04</b> 4583 cc.									
	6	1000 S - 1180 <b>Eng. 8065.04</b> 5499 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4601299	<b>G2295</b>	IN/EX	49	8.03	14.03	G	L
	<b>G2296</b>				14.08		
	<b>G2297</b>				14.13		
4601300	<b>G2852</b>				14.23		



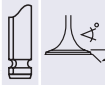
**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	<b>PI 03-106</b>	M

NOTE remarks

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	3	45.66/76 - 50.66/86 55.46/56/65/66/75 55.76/86/90 60.86 <b>Eng. 8035.06</b> 2710 cc.	100	99432652 1904656 4824416 4784888 4803805 4824417	IN	<b>R4232/SNT</b>	45.5	8	125.5	E	30°
	4	65.46/56/66/88/90 65.93/94 70.56/65/66/75/76 70.86/88/90 72.93/94 <b>Eng. 8045.06</b> 3613 cc.		99432717 99432718 4784889 4784890 1904655 1904654 4806717	EX	<b>R4233/RNT</b>	37.5	8	125.5	E	45°
	6	100 S - 100.90 <b>Eng. 8065.06</b> 5420 cc.									
	3	60 - 60.46/56/65/66 60.75/76/85/86/88 60.90/93/94 62 - 62.85/86 <b>Eng. 8035.05</b> 2930 cc.	104								
	4	80 - 80.55/65/66/75 80.76/88/90 82 - 82.85/86/93/94 <b>Eng. 8045.05</b> 3908 cc. 85.90 - 88 C - 88.85/93 88.94 - A90 <b>Eng. 8045.25 Turbo</b> 3908 cc.									
	5	90 - 90.90 - 95.55 <b>Eng. 8055.05</b> 4885 cc.									
	6	110 - 110.90 - 115.90 F100 - F110 - F115 - F120 <b>Eng. 8065.05</b> 5862 cc. 130.90 - 140 - 140.90 F130 - F140 <b>Eng. 8065.25 Turbo</b> 5868 cc.									
	6	1280 - 1380 <b>Eng. 8065.24 Turbo</b> 5500 cc.	103	4802204 4658055	IN/D EX	<b>R4540/NNT</b> <b>R4541/BMNT</b>	44.5 37	8 8	125.6 125.7	E E	30° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4601299	<b>G2295</b>	IN/EX	49	8.03	14.03	G	L
	<b>G2296</b>				14.08		
	<b>G2297</b>				14.13		
4601300	<b>G2852</b>				14.23		
4601299	<b>G2295</b>	IN/EX	49	8.03	14.03	G	L
	<b>G2296</b>				14.08		
	<b>G2297</b>				14.13		
4601300	<b>G2852</b>				14.23		





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	<b>PI 03-106</b>	M


**NOTE  
remarks**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓						
							D	d	L				
	3	650 S - 655 - 655 C <b>Eng. CN3</b> 3706 cc.	110	8823545	IN/D EX	<b>R3329/NNT</b> <b>R3330/SNT</b>	43	8	138	E	45°		
	4	750 - 805 C - 880 <b>Eng. C03</b> 4562 cc. 850 - 850 Super - 880 <b>Eng. C03/70</b> 4941 cc.		8823544					36.5	8	138	E	45°
	6	100 C - 120 C - 1300 <b>Eng. CP3</b> 7412 cc.		8823549									
	4	80 C - 90 C <b>Eng. C03 - 130T</b> 5401 cc.	115	8824754	IN/D EX	<b>R3438/SNT</b> <b>R3439/SNT</b>	48.5	8	137.5	E	45°		
	6	1580 Turbo - 160.55 160.55 Turbo - 160.90 180.55 - 180.90 - 1880 <b>Eng. 8365.25 Turbo</b> 8100 cc. 1355 C - 1580 <b>Eng. 8365.05</b> 8102 cc.		4821709 8825776 8830045					41	8	137.5	E	45°
1973	6	150 C - 150 CB - AD 14 BD14 - FL14 - FR12C <b>Eng. 8205.02 - 8200.02</b> 9819 cc.	122	4684088 4684089	IN EX	<b>R3471/XBNT</b> <b>R3472/BMCR</b>	51 45	10 10	161 161	E E	45° 45°		
1965	6	AD 18 - BD 18 - BD 20 <b>Eng. 8215.01.221</b> 12883 cc.	135	4580688 4632840	IN EX	<b>R3251/SNT</b> <b>R1478/BMNT</b>	58 49	11 11	166.5 166.5	E E	45° 45°		
1971/81	6	180C - 200C - AD 18 BD 18 - FD 20 - FE 40 <b>Eng. 8215.02</b> 13798 cc.	137	4683025 4683026	IN EX	<b>R3473/XBNT</b> <b>R3474/BMCR</b>	59 49	11 11	170 170	E E	45° 45°		

## FORD

1985/95	4	Fiesta 1.0 i <b>Eng. TLB</b> 999 cc.	68.7	89BM6507AA 6165227	IN	<b>R4702/SCR</b>	33	7	104	I	45°
1986/94		Escort 1.1 <b>Eng. GUC-GUF</b> 1117 cc.		89BM6505CA 1038606	EX	<b>R4703/RCR</b>	29	7	104.4	I	45°
1986/90		Courier 1.1 <b>Eng. GSG-GUC</b>									
1989		Fiesta 1.1 <b>Eng. GUD-GUE</b> 1119 cc.									



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4758794	<b>G2365</b>	IN	55	8	14.05	G	C.I.
4758795	<b>G2366</b>				14.10		
4758796	<b>G2367</b>				14.15		
4758798	<b>G2368</b>	EX	62	8	14.05	G	L
4758799	<b>G2369</b>				14.10		
	<b>G2370</b>				14.15		
4758794	<b>G2365</b>	IN	55	8	14.05	G	C.I.
4758795	<b>G2366</b>				14.10		
4758796	<b>G2367</b>				14.15		
4758798	<b>G2368</b>	EX	62	8	14.05	G	L
4758799	<b>G2369</b>				14.10		
	<b>G2370</b>				14.15		
4647838	<b>G2353</b>	IN	80	10.03	17.03	G	L
	<b>G2354</b>				17.08		
4647842	<b>G2356</b>	EX	70	10.03	17.03	G	L
	<b>G2357</b>				17.08		
4630627	<b>G2337</b>	IN	86	11.03	18.03	G	L
	<b>G2338</b>				18.08		
4647763	<b>G2340</b>	EX	76	11.03	18.03	G	L
	<b>G2341</b>				18.08		
4630627	<b>G2337</b>	IN	86	11.03	18.03	G	L
	<b>G2338</b>				18.08		
4647763	<b>G2340</b>	EX	76	11.03	18.03	G	L
	<b>G2341</b>				18.08		

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4753580	<b>PI 03-107</b>	M
4753580	<b>PI 03-107</b>	M
99432644	<b>PI 03-109</b>	M






 NOTE  
remarks

FIAT - NEW HOLLAND

FORD

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1989	4	Escort 1.3 <b>Eng. JBA-JBD</b> 1299 cc.	68.7	89BM6507BA 6165228	IN	<b>R4704/SCR</b>	34.5	7	104	I	45°
1986		Orion 1.3 <b>Eng. JBB</b> 1300 cc.		89BM6505CA 1038606	EX	<b>R4703/RCR</b>	29	7	104.4	I	45°
1986/90	4	Courier 1.3 <b>Eng. JLA</b> 1300 cc.	68.7	89BM6507BA 6165228	IN	<b>R4704/SCR</b>	34.5	7	104	I	45°
1991/94		Courier 1.3 <b>Eng. J6B-JBC-JBD</b> 1299 cc.		89BM6505CA 1038606	EX	<b>R4703/RCR</b>	29	7	104.4	I	45°
1995		Courier 1.3 <b>Eng. J4C-J4J-J4L</b> 1297 cc. Endura E	73.96								
2008	4	KA 1.2 8V <b>Eng. F4P Duratec</b> 1242 CC.	70.8	1535523 1535519	IN EX	<b>R6502/SCR</b> <b>R6503/BMCR</b>	33.3 28.1	5 5	99.9 100.5	I I	45° 45°
1995/7-97	4	Fiesta 1.2i 16V <b>Eng. DHA-DHB-DHC-DHD</b> <b>Eng. DHE-DHF-DHG</b> 1242 cc. Zetec	71.8	1004446 1004444	IN EX	<b>R4790/SCR</b> <b>R4791/RCR</b>	26 22	6 6	98 100	E E	45° 45°
08/1997	4	Fiesta 1.2i 16V <b>Eng. DHA-DHB-DHC-DHD</b> <b>Eng. DHE-DHF-DHG</b> 1242 cc. Zetec	71.8	97MM6507A2B 1051772 98MM6505A2A 1069529	IN EX	<b>R4992/SCR</b> <b>R4993/RCR</b>	26 22	6 6	97.7 99.7	I I	45° 45°
2004	4	Focus 1.4 i 16V <b>Eng. ASDA</b> 1388 cc	71.9	1320926 1113189 1S6G6505BA	IN EX	<b>R6413/SCR</b> <b>R6196/RCR</b>	28 24.1	6 6	99.4 101.4	I I	45° 45°
2012	3	Focus III 1.0 EcoBoost C-Max 1.0 EcoBoost Fiesta 1.0 EcoBoost <b>Eng. M1DA-M1JE-SFJA</b> 998 cc.	71.9	1760579 1760588	IN EX	<b>R6819/SNT</b> <b>R6820/RCR</b>	27.08 23.10	5 5	96.40 98.15	I I	45° 45°
2013	3	Fiesta 1.0 12V <b>Eng. XMJA</b> 998 cc.	71.9	1760579 1760588	IN EX	<b>R6819/SNT</b> <b>R6820/RCR</b>	27.08 23.10	5 5	96.40 98.15	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11425</b> <b>G11426</b> <b>GS11425</b>	IN/EX IN/EX	44 44	5.00 5.00	10.03 10.08 10.03	G SM	C.I. C.I.
	<b>G11221</b> <b>G11222</b> <b>GS11221</b> <b>G3520</b> <b>G3577</b>	IN/EX IN/EX IN/EX IN/EX	39 39 36	6 6 6.08	11.05 11.10 11.05 12.03 12.08	G SM G	L L L
	<b>G11221</b> <b>G11222</b> <b>GS11221</b> <b>G3520</b> <b>G3577</b>	IN/EX IN/EX IN/EX IN/EX	39 39 36	6 6 6.08	11.05 11.10 11.05 12.03 12.08	G SM G	L L L
	<b>G11623</b> <b>G11624</b>	IN/EX	36	5	9.53 9.58	B	L
	<b>G11623</b> <b>G11624</b>	IN/EX	36	5	9.53 9.58	B	L

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1004442 1004443 96MM6500A1C	<b>PI 03-111</b>	M
1004442 1004443 96MM6500A1C	<b>PI 03-111</b>	M


**NOTE  
remarks**
**FORD**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2012 2018 2017 2019 2013 <b>NEW</b>	3	C-MAX II 1.0 EcoBoost ECOSPORT 1.0 EcoBoost Fiesta VII 1.0 EcoBoost Puma 1.0 EcoBoost Transit 1.0 EcoBoost <b>Eng. B7DA-SFJL-SFJP-SFJH SFJE-SFJJ-SFJK-SFJF-SFJN M1JM-M1JL-YYJE-B3DA- B7JB-B7JA-BZJA-B3GA- M2GA-M2GB</b> 998 cc.	71.9	2207985 H6BG-6507-AA 2207983 H6BG-6505-AA	IN  EX	<b>R8023/SNT</b>  <b>R8024/RNT</b>	26.31 22.51	5.5 5.5	121.03 122.30	I I	45° 45°
2003  2008	4	Fiesta 1.2 i 16V <b>Eng. M7JA-M7JB</b> <b>Eng. FUJA-FUJB</b> Fiesta 1.2 i 16V 1242 cc.	72	1320928 1113187	IN EX	<b>R6464/SNT</b> <b>R6465/RNT</b>	26 22	6 6	99.7 101.8	I I	45° 45°
2017	3	Fiesta VII 1.1 <b>Eng. FSJB-XPJA-XPJB-XYJA XYJB-XYJC</b> 1084 cc.	73	1760579 2048374 CA6G-6505-BB	IN EX	<b>R6819/SNT</b> <b>R6820/RCR</b>	27.08 23.10	5 5	96.40 98.15	I I	45° 45°
1976	4	Fiesta 1.0 L - GL 957 cc. O/S Stem dia. .003	73.96	80BM6507AC 77BM6505AC 80BM6507BC 77BM6505BC	IN EX IN EX	<b>R3523/NCR</b> <b>R3524/RCR</b> <b>R3574/NCR</b> <b>R3575/RCR</b>	33 29 33 29	7.88 7.85 7.95 7.93	106 105.6 106 105.6	I I I I	45° 45° 45° 45°
1976/83	4	Escort 1.1 - Fiesta 1.1 1117 cc. O/S Stem dia. .003	73.96	80BM6507DC 77BM6505AC 80BM6507EC 77BM6505BC	IN EX IN EX	<b>R3525/NCR</b> <b>R3524/RCR</b> <b>R3576/NCR</b> <b>R3575/RCR</b>	38 29 38 29	7.88 7.85 7.95 7.93	106 105.6 106 105.6	I I I I	45° 45° 45° 45°
1980	4	Escort 1.1 L - E - LE <b>Eng. CVH</b> 1117 cc.	73.96	81SM6507KE 81SM6505AE	IN EX	<b>R4271/SCR</b> <b>R4272/RCR</b>	38 32	8 8	136 133	I I	45° 45°
1980	4	Escort - Orion 1.3 L-GL <b>Eng. CVH</b> 1295 cc. O/S Stem dia.mm. 0.2  O/S Stem dia.mm. 0.4	73.96	81SM6507KF 81SM6505AF  81SM6507NF 81SM6505BF 81SM6507RF 81SM6505CF	IN EX  IN EX IN EX	<b>R3615/SCR</b> <b>R3923/RCR</b>  <b>R3924/SCR</b> <b>R3926/RCR</b> <b>R3925/SCR</b> <b>R3927/RCR</b>	42 34  42 34 42 34	8 8  8.2 8.2 8.4 8.4	135 131.5  135 131.5 135 131.5	I I  I I I I	45° 45°  45° 45° 45° 45°
2002	4	KA 1.3 8V Fiesta 1.3 8V Fusion 1.3 8V <b>Eng. Duratec</b> 1299 cc.	73.96	1144340 1144339	IN EX	<b>R6542/SCR</b> <b>R6543/RCR</b>	35.1 29.7	6 6	109.6 109.8	I I	45° 45°
1995	4	KA 1.3 i <b>Eng. J4D-J4K-J4M-J4P</b> <b>Eng. JJB-JJ-BAA</b> 1297 cc.	74	89BM6507BA 6165228 89BM6505CA 1038606	IN  EX	<b>R4704/SCR</b>  <b>R4703/RCR</b>	34.5 29	7 7	104 104.4	I I	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002		KA 1.3 i <b>Eng. A9A-A9B</b> 1299 cc.	74	1144340	IN	<b>R6542/SCR</b>	35.1	6	109.6	I	45°
				1144339	EX	<b>R6543/RCR</b>	29.7	6	109.8	I	45°
2004		Fiesta Van 1.3 i <b>Eng. A9JA-A9JB</b> 1299 cc.	74	89BM6507BA	IN	<b>R4704/SCR</b>	34.5	7	104	I	45°
				6165228 89BM6505CA	EX	<b>R4703/RCR</b>	29	7	104.4	I	45°
1996/07-97	4	Fiesta 1.4i 16V Courier 1.4 i 16V <b>Eng. FHA-FHE</b> 1388 cc. Zetec	75.9	1012749	IN	<b>R4792/SCR</b>	28	6	97.5	E	45°
				1012747	EX	<b>R4793/RCR</b>	24	6	99.5	E	45°
7/97	4	Puma 1.4 i 16V <b>Eng. FHD-FHF</b> 1388 cc. Zetec	76	928M6507C1A	IN	<b>R4788/SCR</b>	26	6	97.1	S	45°
				928M6507C2A 6742922 948M6505A2A 1023591	EX	<b>R4789/RCR</b>	24.5	6	96.6	S	45°
1990/07-97	4	Ecort 1.6 i 16V <b>Eng. L1E-L1H-L1H</b>	76	928M6507C1A	IN	<b>R4788/SCR</b>	26	6	97.1	S	45°
1989/96		Fiesta 1.6 16V <b>Eng. L1G</b>		928M6507C2A 6742922	EX	<b>R4789/RCR</b>	24.5	6	96.6	S	45°
1996/07-97		Fiesta 1.6 16V <b>Eng. L1V-L1T</b>		948M6505A2A 1023591	EX	<b>R4789/RCR</b>	24.5	6	96.6	S	45°
1993/93		Mondeo 1.6 i 16V <b>Eng. L1F-L1J</b>									
1996/7-97		Mondeo 1.6 i 16V <b>Eng. L1J-L1L</b> 1597 cc. Zetec									
08/97	4	Fiesta 1.4i 16V <b>Eng. FHA-FHE</b>	76	97MM6507B2B	IN	<b>R4994/SCR</b>	28	6	97.4	I	45°
				1051773	EX	<b>R4995/RCR</b>	24	6	99.5	I	45°
1998		Focus 1.4 i 16V <b>Eng. FXDA-FXDB-FXDC</b>		98MM6505B2A 1051771	EX	<b>R4995/RCR</b>	24	6	99.5	I	45°
08/97		Puma 1.4 i 16V <b>Eng. FHD-FHF</b> 1388 cc. Zetec									
2009	4	Fiesta VI 1.4 i 16V 1388 cc.	76	1320926	IN	<b>R6413/SCR</b>	28	6	99.4	I	45°
				1113189 1S6G6505BA	EX	<b>R6196/RCR</b>	24.1	6	101.4	I	45°
2009	4	Fiesta VI 1.4 i 16V <b>BIFUEL ENGINE</b> 1388 cc.		1673829	IN	<b>R6617/SNT</b>	28.1	6	99.40	I	45°
				1673827	EX	<b>R6618/RARNT</b>	24.13	6	101.4	I	45°
08/1997	4	Fiesta 1.6i 16V <b>Eng. L1V-L1T</b>	76	928M6507E2A 1041830	IN	<b>R4996/SCR</b>	26	6	97	I	45°
08-1997/00		Mondeo 1.6i 16V <b>Eng. L1J-L1L</b> 1597 cc. Zetec		948M6505C2A 1033898	EX	<b>R4997/RCR</b>	24.5	6	96.7	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11221</b> <b>G11222</b> <b>GS11221</b> <b>G3520</b>	IN/EX IN/EX IN/EX	39 39 36	6 6 6.08	11.05 11.10 11.05 12.03	G SM G	L L L
	<b>G3520</b> <b>G3577</b>	IN/EX	36	6.08	12.03 12.08	G	L
	<b>G3520</b> <b>G3577</b>	IN/EX	36	6.08	12.03 12.08	G	L
	<b>G11221</b> <b>G11222</b> <b>GS11221</b>  <b>G3520</b> <b>G3577</b>	IN/EX IN/EX IN/EX	39 39 36	6 6 6.08	11.05 11.10 11.05 12.03 12.08	G SM G	L L L
	<b>G3499</b> <b>G11190</b> <b>GS3499</b> <b>GS3499</b>	IN/EX IN/EX IN/EX	40.5 40.5 40.5	6 6 6	11.04 11.09 11.04 11.04	G SM SM	L-X L-X L-X
	<b>G3520</b> <b>G3577</b>  <b>G11087*</b> <b>G11088</b>	IN/EX IN/EX IN/EX	36 36	6.08 6.08	12.03 12.08 12.03 12.08	G B	L L

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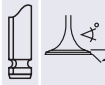
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1004442 1004443 96MM6500A1C	<b>PI 03-111</b>	M
1004442 1004443 96MM6500A2C	<b>PI 03-111</b>	M
6902034 6945586	<b>PI 06-0003</b>	I
1004442 1004443 96MM6500A2C	<b>PI 03-111</b>	M
6902034 6945586	<b>PI 06-0003</b>	I


**NOTE**  
remarks

**FORD**
**\*G11087**  
VERSIONE BRONZO

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986	4	Escort 1.4 <b>Eng. FUA-FUC</b>	77.24	86SM6507AA 6137194	IN	<b>R4273/SCR</b>	40	8	136.5	I	45°
1987/89		Fiesta 1.4 <b>Eng. FUB-FUD</b>		86SM6505AD 6162460	EX	<b>R4274/RCR</b>	34	8	133	I	45°
1986/90		Orion 1.4 <b>Eng. F6B-F6D-FUA-FUC</b> 1392 cc. Zetec									
2015 <b>NEW</b>	4	C-Max 1.5 l EcoBoost 16V <b>Eng. M8DB</b> 1499 cc.	79	1755220 1800892 1800711	IN EX	<b>R6916/SNT</b> <b>R6917/RNT</b>	30 29.9	5 5	98.8 99.85	I I	45° 30°
1998	4	Focus 1.6i 16V <b>Eng. Zetec S</b> Up to 10/2000 1596 cc.	79	1053844 1053842	IN EX	<b>R6000/SCR</b> <b>R6001/RCR</b>	27 24.5	6 6	98 97.8	I I	45° 45°
1998/12-00	4	Focus 1.6i 16V <b>Eng. FYDA-FYDB-FYDC</b> <b>Eng. FYDD</b> 1596 cc. Zetec	79	98MM6507C28 1072048 98MM6505B2A 1051771	IN EX	<b>R6140/SCR</b> <b>R4995/RCR</b>	30 24	6 6	97 99.5	I I	45° 45°
1979	4	Focus 1.6i 16V <b>Eng. FYDA-FYDB-FYDC</b> <b>Eng. FYDD</b>	79	1122364 1S4G6507CA 1320927	IN	<b>R6195/SCR</b>	30	6	99	I	45°
2004 2004		Focus 1.6 i 16V Focus C-Max 1.6 i 16V <b>Eng. HWDA-HWDB</b>		1S4G6507CB 1113189 1S6G6505BA	EX	<b>R6196/RCR</b>	24.1	6	101.4	I	45°
2004 2004		Focus 1.6 i 16V Ti-VCT Focus c-MAX 1.6 i 16V Ti-VCT <b>Eng. HXDA</b>									
2002		Fusion 1.6 i 16V <b>Eng. FYJA</b> 1596 cc. Zetec									
2007	4	New Mondeo 1.6 i16V <b>Eng. RHBA</b> 1596 cc.	79	1122364 1S4G6507CA 1113189 1S6G6505BA	IN EX	<b>R6195/SCR</b> <b>R6196/RCR</b>	30 24.1	6 6	99 101.4	I I	45° 45°
2007	4	C-Max 1.6 i 16V <b>Eng. HWDA-HWDB</b> 1596 cc.		1122364 1113189	IN EX	<b>R6195/SCR</b> <b>R6196/RCR</b>	30 24.1	6 6	99 101.4	I I	45° 45°
2014	4	Focus III EcoBoost 1.5 16V Kuga II EcoBoost 1.5 16V Mondeo V EcoBoost 1.5 16V <b>Eng. M8DA-M8DB-M9DA</b> <b>M9DB-UNCE-M8MA-UNCA</b> <b>UNCB-UNCF</b> 1498 CC.	79	1755220 1800892 1800711	IN EX	<b>R6916/SNT</b> <b>R6917/RNT</b>	30 24.9	5 5	99.80 99.85	I I	45° 30°
2010	4	Focus III EcoBoost 1.6 16V Fiesta VI EcoBoost 1.6 16V <b>Eng. YUDA-JTJA-JTJB</b> 1596 cc.	79	1755220 1800892 1800711	IN EX	<b>R6916/SNT</b> <b>R6917/RNT</b>	30 24.9	5 5	99.80 99.85	I I	45° 30°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
81SM6510LC	<b>G2882</b> <b>G2883</b>	IN/EX	65	8.07	13.56 13.61	G	C.I.
	<b>G11623</b> <b>G11624</b>	IN/EX	36	5	9.53 9.58	B	L
	<b>G3520</b> <b>G3577</b>	IN/EX	36	6.08	12.03 12.08	G	L
	<b>G11087*</b> <b>G11088</b>	IN/EX	36	6.08	12.03 12.08	B	L
	<b>G3499</b> <b>G11190</b>	IN/EX	40.5	6	11.04 11.09	G	L-X
	<b>GS3499</b>	IN/EX	40.5	6	11.04	SM	L-X
	<b>G3499</b> <b>G11190</b>	IN/EX	40.5	6	11.04 11.09	G	L-X
	<b>GS3499</b>	IN/EX	40.5	6	11.04	SM	L-X
	<b>G3499</b> <b>G11190</b>	IN/EX	40.5	6	11.04 11.09	G	L-X
	<b>GS3499</b>	IN/EX	40.5	6	11.04	SM	L-X
	<b>G11623</b> <b>G11624</b>	IN/EX	36	5	9.53 9.58	B	L
	<b>G11623</b> <b>G11624</b>	IN/EX	36	5	9.53 9.58	B	L

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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1004442 1004443 96MM6500A2C	<b>PI 03-111</b>	M






**NOTE**  
remarks

**\*G11087**  
VERSIONE BRONZO

**FORD**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓									
							D	d	L							
2010	4	C-Max 1.6 i EcoBoost 16V <b>Eng. JQDA-JQDB-JQMA</b> 1596 cc.	79	1755220	IN	<b>R6916/SNT</b>	30	5	99.80	I	45°					
				1800892	EX	<b>R6917/RNT</b>	24.9	5	99.85	I	30°					
1980/89	4	Escort 1.6 L -GL - XR3 Orion 1.6 L -GL <b>Eng. CVH</b> 1596 - 1598 cc. O/S Stem dia.mm. 0.2	79.96	81SM6507KF	IN	<b>R3615/SCR</b>	42	8	135	I	45°					
				81SM6505AG	EX	<b>R3616/RCR</b>	37	8	132	I	45°					
				81SM6507NF	IN	<b>R3924/SCR</b>	42	8.2	135	I	45°					
				81SM6505BG	EX	<b>R3929/RCR</b>	37	8.2	132	I	45°					
				81SM6507RF	IN	<b>R3925/SCR</b>	42	8.4	135	I	45°					
81SM6505CG	EX	<b>R3930/RCR</b>	37	8.4	132	I	45°									
1998	4	Puma 1.7 i 16V <b>Eng. MHA/B</b> 1679 cc. Zetec	80	1031008-8	IN	<b>R6004/SNT</b>	30	6	96.2	E	45°					
				1031007-5	EX	<b>R6005/RNT</b>	26	6	98.2	E	45°					
1990/07-97	4	Escort 1.8i 16V <b>Eng. RDA-RQB Zetec</b>	80.6	928M6507D1A	IN	<b>R4633/SCR</b>	32	6	97.1	E	45°					
1989/96		Fiesta 1.8 i 16V		6640543	EX	<b>R4634/BMCR</b>						28	6	96.7	E	45°
1991/93		Orion 1.8 i 16V		928M6505D2A												
1993/96		Mondeo 1.8 i 16V <b>Eng. RDA-RQB-RDB</b> <b>Eng. RQC Zetec</b>		6911483												
1996/07-97	Mondeo 1.8 i 16V <b>Eng. RKA-RKB Zetec</b> <b>Eng. RKB-RKF-RKJ Zetec</b>															
1796 cc.																
08/97	4	Escort 1.8i 16V <b>Eng. RDA-RQB Zetec</b>	80.6	928M6507F2A	IN	<b>R4998/SCR</b>	32	6	97.1	I	45°					
08/97		Mondeo 1.8 i 16V <b>Eng. RKB-RKF-RKJ Zetec</b>		1041838	EX	<b>R4999/BMCR</b>						28	6	96.7	I	45°
1796 cc.																
1998	4	Focus 1.8i 16V <b>Eng. EYDB-EYDC-EYDF</b> Zetec 1796 cc.	80.6	1053845	IN	<b>R6002/SCR</b>	33	6	98	I	45°					
					1053843	EX	<b>R6003/BMCR</b>	28	6	97.7	I	45°				
08/00	4	Focus 1.8 i 16V <b>Eng. EYDB-EYDC-EYDF</b>	80.6	1131988	IN	<b>R6002/SCR</b>	33	6	98	I	45°					
2002		Tourneo 1.8 i 16V		1124514	EX	<b>R6003/BMCR</b>						28	6	97.7	I	45°
2002		Transit 1.8 i 16V <b>Eng. EYPA</b> 1796 cc. Zetec														

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11623</b> <b>G11624</b>	IN/EX	36	5	9.53 9.58	B	L
81SM6510LC	<b>G2882</b> <b>G2883</b>	IN/EX	65	8.07	13.56 13.61	G	C.I.
	<b>G11089</b> <b>G11090</b> <b>GS11089</b>	IN/EX IN/EX	39	6	11.06 11.11 11.06	G SM	L L
	<b>G3520</b> <b>G3577</b>	IN/EX	36	6.08	12.03 12.08	G	L
	<b>G3520</b> <b>G3577</b>	IN/EX	36	6.08	12.03 12.08	G	L
	<b>G3520</b> <b>G3577</b>	IN/EX	36	6.08	12.03 12.08	G	L
	<b>G3520</b> <b>G3577</b>	IN/EX	36	6.08	12.03 12.08	G	L





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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6902034 6945586	<b>PI 06-0003</b>	I
6902034 6945586	<b>PI 06-0003</b>	I


**NOTE  
remarks**
**FORD**

## VALVOLE ENGINE VALVES



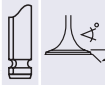
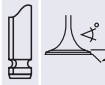


ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1967/81	4	Escort 940 940 cc.	80.985	711M6507GA	IN	<b>R3332/NCR</b>	36	7.87	111	I	45°
1967/70		Escort 1.1 1098 cc.		711M6505GA	EX	<b>R3333/RCR</b>	31.5	7.85	111	I	45°
		Escort 1.3 Capri MKI 1.3 Cortina 1.3 1298 cc.									
		O/S Stem dia. .003		711M6507HA	IN	<b>R3572/NCR</b>	36	7.94	111	I	45°
				711M6505HA	EX	<b>R3573/RCR</b>	31.5	7.92	111	I	45°
1970/81	4	Escort 1.3 - Fiesta 1.3	80.985	711M6507KA	IN	<b>R3494/NCR</b>	38	7.87	111	I	45°
1970/73		Capri MK.I/II/III 1.3 1298 cc.		711M6505GA	EX	<b>R3333/RCR</b>	31.5	7.85	111	I	45°
		Capri MK.I 1.6 1599 cc.									
		O/S Stem dia. .003		711M6507LA	IN	<b>R3613/NCR</b>	38	7.94	111	I	45°
				711M6505HA	EX	<b>R3573/RCR</b>	31.5	7.92	111	I	45°
		O/S Stem dia. .015		711M6507MA	IN	<b>R3994/NCR</b>	38	8.24	111	I	45°
				711M6505JA	EX	<b>R3993/RCR</b>	31.5	8.22	111	I	45°
1984	4	Sierra 1.6 E - LE - GLE	81.3	79HM6507EA	IN	<b>R4466/SCR</b>	42	8.04	113.2	I	45°
		Sierra 1.6 Ghia - Laser <b>Eng. 1.6E Max OHC</b> 1599 cc.		84HM6505FA	EX	<b>R4468/BMCR</b>	32	8.02	113.3	I	45°
1988	4	Sierra 2.0i RS Turbo 16V <b>Eng. Cosworth</b> 1993 cc.			IN	<b>R6230/RCR</b>	35	7	105.6	EE	45°
					EX	<b>R6231/RCR</b>	31	8	105.8	EE	45°
2003	4	SportKA 1.6 i 16V <b>Eng. CDB-CDC</b>	82	1127416	IN	<b>R6417/SCR</b>	40	6	109.7	I	45°
		StreetKA 1.6 i 16V <b>Eng. CDRA-CDRB</b> 1599 cc. Zetec Rocam		1089830	EX	<b>R6418/BMCR</b>	34	6	109.8	I	45°
2003	4	Focus C-Max 1.8 i 16V	83	1324691	IN	<b>R6341/SNT</b>	32.5	5.5	103.4	S	45°
2004		Focus 1.8 i 16V <b>Eng. CSDA - CSDB</b> <b>Eng. QQDB</b> 1798 cc.		1324690	EX	<b>R6342/RNT</b>	28	5.5	104.6	S	45°
2004	4	Mondeo 1.8 16V <b>Eng. CFBA-CGBB-CGBA</b> 1798 cc.	83	1324691	IN	<b>R6341/SNT</b>	32.5	5.5	103.4	S	45°
				1324690	EX	<b>R6342/RNT</b>	28	5.5	104.6	S	45°
2007	4	C-Max 1.8 i 16V <b>Eng. QQDA-QQDB</b> 1798 cc.	83	1324691	IN	<b>R6341/SNT</b>	32.5	5.5	103.4	S	45°
				1324690	EX	<b>R6342/RNT</b>	28	5.5	104.6	S	45°
2007	5	Mondeo 2.5 i Turbo	83	1369828	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
		S-Max 2.5 i Turbo <b>Eng. HUWA</b> 2521 cc.		1369831	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2018 <b>NEW</b>	3	Focus IV 1.5 EcoBoost <b>Eng. XZJF-Y1DA-Y2DA-YZJA</b> <b>For Chain Driven Eng.</b> 1496 cc.	84	2251484 HX7G-6507-AA	IN	<b>R8011/SNT</b>	30.88	5.5	104.75	I	45°
				2251486 HX7-6505-AA	EX	<b>R8012/RNT</b>	26.48	5.5	99.70	I	45°
2018 <b>NEW</b>	3	Focus IV 1.5 EcoBoost <b>Eng. XZJF-Y1DA-Y2DA-YZJA</b> <b>For Belt Driven Eng.</b> 1496 cc.	84	2164270	IN	<b>R8025/SNT</b>	34	5.5	99.14	I	45°
				2164268	EX	<b>R8026/RNT</b>	28.45	5.5	107.20	I	45°
1993/96 1996/07-97	4	Mondeo 2.0 i 16V <b>Eng. NAA Zetec</b> Mondeo 2.0 i 16V <b>Eng. NGA-NGB-NGC</b> <b>Eng. NGD Zetec</b> 1988 cc.	84.8	928M6507D1A 6640543	IN	<b>R4633/SCR</b>	32	6	97.1	E	45°
				928M6505D2A 6911483	EX	<b>R4634/BMCR</b>	28	6	96.7	E	45°
1999 08/97	4	Cougar 2.0 16V <b>Eng. EDDB-EDBB-EDBC</b> <b>Eng. EDBD Zetec</b> Mondeo 2.0 i 16V <b>Eng. NGA-NGB-NGC</b> <b>Eng. NGD Zetec</b> 1988 cc.	84.8	928M6507F2A 1041838	IN	<b>R4998/SCR</b>	32	6	97.1	I	45°
				948M6505D2A 1033899	EX	<b>R4999/BMCR</b>	28	6	96.7	I	45°
1998	4	Focus 2.0i 16V <b>Eng.EDDB-EDDC-EDDF</b> Zetec 1998 cc.	84.8	1053845	IN	<b>R6002/SCR</b>	33	6	98	I	45°
				1053843 1124514	EX	<b>R6003/BMCR</b>	28	6	97.7	I	45°
2002/04	4	Ford Focus 2.0 ST170 16V <b>Eng.ALDA</b> 1988 cc.	84.8	1143059	IN	<b>R6606/SCR</b>	33.50	6	102.85	I	45°
				1143057	EX	<b>R6607/RCR</b>	28	6	102.35	I	45°
1989/94	4	Sierra - Scorpio 2.0 <b>Eng. DOHC/DLI</b> 1998 cc.	86	88WM6507BA	IN	<b>R4442/SCR</b>	42.5	7	108.5	I	45°
				88WM6505EA 88WM6505DA	EX	<b>R4443/BMCR</b>	38	7	109	I	45°
1998/00	4	Mondeo 2.0i 16V <b>Eng. CJBA-CJBB</b> <b>Duratec HE</b> 1999 cc.	87.5	1053845	IN	<b>R6002/SCR</b>	33	6	98	I	45°
				1053843 1124514	EX	<b>R6003/BMCR</b>	28	6	97.7	I	45°
2000	4	Mondeo 2.0i 16V <b>Eng. CJBA-CJBB</b> <b>Duratec HE</b> 1999 cc.	87.5	1124378	IN	<b>R6370/SNT</b>	35	5.5	103.4	S	45°
				1124377	EX	<b>R6371/RNT</b>	30	5.5	104.6	S	45°
2004	4	Focus 2.0 i 16V Focus C-Max 1.8 i 16V <b>Eng. AODA Duratec HE</b> 1999 cc.	87.5	1124378	IN	<b>R6370/SNT</b>	35	5.5	103.4	S	45°
				1124377	EX	<b>R6371/RNT</b>	30	5.5	104.6	S	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2007	4	C-Max 2.0 i 16V <b>Eng. AODA Duratec</b>	87.5	1124378 1124377	IN EX	<b>R6370/SNT</b> <b>R6371/RNT</b>	35 30	5.5 5.5	103.4 104.6	S S	45° 45°
2007		Galaxy 2.0 i 16V Mondeo 2.0 i 16V									
2006		S-Max 2.0 i 16V <b>Eng. AOWA</b> 1999 cc.									
2007	4	Mondeo IV 2.0 i 16V 145 CV 1999 cc.	87.5	1124378 1324690	IN EX	<b>R6370/SNT</b> <b>R6342/RNT</b>	35 28	5.5 5.5	103.4 104.6	S S	45° 45°
2014	4	Mondeo 2.0 EcoBoost	87.5	1675266	IN	<b>R6946/SNT</b>	32.45	5.5	103.55	S	45°
2015		S-Max 2.0 EcoBoost		5144989	EX	<b>R6947/BMARNT</b>	28	5.5	104.7	S	45°
2012 <b>NEW</b>		Focus III 2.0 ST <b>Eng. R9CB-R9CM-R9CF</b> <b>R9DA-TNCC-TNCD-TNCF</b> 1999 cc.									
1970/79	4	Capri 2000 Cortina 2000 GL - GT Escort RS 2000 Granada GL - L - Ghia Taurus 2000 GL - GLS Transit FT 100/120/130 Transit FT 160/190	90.8	70HM6507DD 6063961 70HM6505DE 6048949	IN EX	<b>R4048/SCR</b> <b>R4051/RCR</b>	42 36	8 8	111.15 110.5	I I	45° 45°
1985		Scorpio 2.0 - Sierra 2.0 1993 cc. O/S Stem dia.mm. 0.2		70HM6507ED 70HM6505EE	IN EX	<b>R4049/SCR</b> <b>R4052/RCR</b>	42 36	8.2 8.2	111.15 110.5	I I	45° 45°

## FORD DIESEL

2009	4	KA 1.3 TDCI <b>Eng. FD4</b> 1248 cc.	69.6	FROM 2011	IN IN EX EX	<b>R6304/SCR</b> <b>R6636/SCR</b> <b>R6305/BMCR</b> <b>R6640/BMCR</b>	21.9 22.45 21.9 22.5	6 6 6 6	109.2 109.2 109.2 109.2	I I I I	45° 45° 45° 45°
2002/2012	4	B-Max TDCI <b>Eng. UGJC</b> 1499 cc.	73.5	1685847 AV6Q6507AA 1685845 AV6Q6505AA	IN EX	<b>R6713/SCR</b> <b>R6714/RCR</b>	30.10 27.40	5.5 5.5	95.50 95.50	I I	45° 45°
2012	4	Fiesta VI TDCI	73.5	1685847	IN	<b>R6713/SCR</b>	30.10	5.5	95.50	I	45°
2014		Tourneo Kombi TDCI		AV6Q6507AA							
2014		Transit Kombi TDCI <b>Eng. UGJC-XUJA-XUJB</b> <b>HUCC-XUCD-UGCA-UGCB</b> <b>XUCD-UGCB-XUCC-UGCA</b> 1499 cc.		1685845 AV6Q6505AA	EX	<b>R6714/RCR</b>	27.40	5.5	95.50	I	45°





## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2014	4	Focus III Econetic TDCI <b>Eng. XXDB-XWDD-XWDA</b> <b>XWDB-XWDC-XWDD-XXDA</b> <b>XXDC-ENUG-UJGE-AEDA</b> 1499 cc.	73.5	1685847	IN	<b>R6713/SCR</b>	30.10	5.5	95.50	I	45°
				AV6Q6507AA 1685845 AV6Q6505AA	EX	<b>R6714/RCR</b>	27.40	5.5	95.50	I	45°
2014	4	Transit Courier 1.5 TDCI <b>Eng. UGCB</b> 1498 cc.	73.5	1685847	IN	<b>R6713/SCR</b>	30.10	5.5	95.50	I	45°
				AV6Q6507AA 1685845 AV6Q6505AA	EX	<b>R6714/RCR</b>	27.40	5.5	95.50	I	45°
2015	4	Mondeo 1.5 TDCi ECOnetic <b>Eng. UGCC-XUCA</b> 1498 cc.	73.5	1685847	IN	<b>R6713/SCR</b>	30.10	5.5	95.50	I	45°
				AV6Q6507AA 1685845 AV6Q6505AA	EX	<b>R6714/RCR</b>	27.40	5.5	95.50	I	45°
2001 2002 2004	4	Fiesta 1.4TDCi Fusion 1.4 TDCi Fiesta Van 1. TDCi <b>Eng. F6JA/F6JB</b> 1399 cc.	73.7	1145933	IN	<b>R6322/SCR</b>	32.9	5.5	97.5	I	45°
				1152191 1145932 1202362	EX	<b>R6323/RCR</b>	30.2	5.5	97.5	I	45°
2010	4	Fiesta 1.4 TDCi <b>Eng. KVJA</b> 1399 cc.	73.7	1685847	IN	<b>R6713/SCR</b>	30.10	5.5	95.50	I	45°
				AV6Q6507AA 1685845 AV6Q6505AA	EX	<b>R6714/RCR</b>	27.40	5.5	95.50	I	45°
2004 2004	4	Fiesta 1.6 TDCi 16V Fusion 1.6 TDCi 16V <b>Eng. HHJA-HHJB</b>	75	1229882	IN	<b>R6397/SCR</b>	25.6	5.5	96.4	I	45°
				1229883	EX	<b>R6398/BMCR</b>	23.4	5.5	96.6	I	45°
2004 2008	4	Focus 1.6 TDCi 16V Focus C-Max 1.6 TDCi 16V <b>Eng. G8DA-G8DB</b> <b>Eng. GPDA-GPDC</b>									
2008	4	Fiesta 1.6 TDCi 16V 1560 cc.									
2010	4	C-Max 1.6 TDCi Fiesta 1.6 TDCi Focus 1.6 TDCi S-Max 1.6 TDCi <b>Eng. T1DA-T1DB-T3DB</b> <b>Eng. TJZA-TJZB-T1WB</b> 1560 cc.	75	1685847	IN	<b>R6713/SCR</b>	30.10	5.5	95.50	I	45°
				AV6Q6507AA 1685845 AV6Q6505AA	EX	<b>R6714/RCR</b>	27.40	5.5	95.50	I	45°
2014	4	Transit Courier 1.6 TDCI <b>Eng. T3CB</b> 1560 cc.	75	1685847	IN	<b>R6713/SCR</b>	30.10	5.5	95.50	I	45°
				AV6Q6507AA 1685845 AV6Q6505AA	EX	<b>R6714/RCR</b>	27.40	5.5	95.50	I	45°
2017 <b>NEW</b>	4	ECOSPORT 1.5 EcoBlue <b>Eng. BEGA-Z2DA-Z2GA</b> <b>Z2JA-ZTDA-ZTDB-ZTGA</b> <b>ZTJA-TZJB-ZTJC</b> 1499 cc.	75	2190141	IN	<b>R8027/SCR</b>	25.41	5.5	95.44	I	45°
				JX6Q-6507-AA 2190125 JQ6Q-6505-AA	EX	<b>R8028/RCR</b>	22.05	5.5	94.80	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0903.65	<b>PI06-0019</b> <b>RA06-914</b>	I
0903.65	<b>PI06-0019</b> <b>RA06-914</b>	I
0903.65	<b>PI06-0019</b> <b>RA06-914</b>	I
1212979 1118064 1145958 2S6Q-6564-AA	<b>PI 06-0019</b> <b>RA06-914</b>	I
0903.65	<b>PI06-0019</b> <b>RA06-914</b>	I
1212979 1118064 1231272	<b>PI 06-0019</b> <b>RA06-934</b>	I
0903.65	<b>PI06-0019</b> <b>RA06-914</b> <b>RA06-934*</b>	
0903.65	<b>PI06-0019</b> <b>RA06-914</b>	


**NOTE**  
remarks

**RA06-934**  
Eng. TZJA-TZJB

**FORD DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1995/04-96	4	Galaxy 1.9 Tdi <b>Eng. 1Z TDi</b> Up to eng. N. 770000	79.5	028 109 601H 1669766	IN	<b>R4776/BMCR</b>	36	8	96.9	I	45°
95/04-96		Galaxy 1.9 Tdi <b>Eng. AFN</b> Up to eng. N. 002000 1896 cc.		046 109 611F 1669772	EX	<b>R4777/BMCR</b>	31.4	8	96.9	I	45°
05/96	4	Galaxy 1.9 Tdi <b>Eng. 1Z TDi</b> From eng. N. 770001	79.5	1079769 1049788	IN EX	<b>R6087/S</b> <b>R4889/BM</b>	35.9 31.5	7 7	96.8 96.85	I I	45° 45°
1996/00		Galaxy 1.9 Tdi <b>Eng. AFN</b> From eng. N. 002001									
1997/00		Galaxy 1.9 Tdi <b>Eng. Avg</b> 1896 cc.									
1995	4	Galaxy 1.9 Tdi <b>Eng. ANU-AUY-ASZ</b> 1896 cc.	79.5	1100679 1100678	IN EX	<b>R6128/S</b> <b>R6129/BM</b>	35.9 31.5	7 7	89.9 90	I I	45° 45°
1984/85	4	Orion 1.6 D Fiesta 1.6 D Escort 1.6 D <b>Eng. LTA-LTC</b> 1608 cc.	80	84FM6507AC 1631007 84FM6505AC	IN EX	<b>R4224/SCR</b> <b>R4225/RCR</b>	35 31	8 8	107.3 108.5	I I	45° 45°
1986/90	4	Escort 1.8 D Escort Van 1.8 <b>Eng. RTA-RTB</b>	82.5	89FF6507AA 6172851	IN	<b>R4375/BMCR</b>	36.5	8	107.1	I	45°
1990/92		Escort 1.8 D Courier 1.8 D <b>Eng. RTE-RTF-RTH</b>		89FF6505AA 6172854	EX	<b>R4376/BMCR</b>	32	8	109.2	I	45°
1989/96		Fiesta 1.8 D <b>Eng. RTC-RTD-RTG</b>									
1989/93		Orion 1.8 D <b>Eng. RTA-RTB-RTE-RTF</b> <b>Eng. RTH</b> 1753 cc. O/S Stem dia.mm. 0.1			IN	<b>R4682/BMCR</b>	36.5	8.07	107.1	I	45°
		O/S Stem dia.mm. 0.2		89FF6507BA 89FF6505BA	EX IN EX	<b>R4683/BMCR</b> <b>R4854/BMCR</b> <b>R4855/BMCR</b>	32 36.5 32	8.07 8.15 8.15	109.2 107.1 109.2	I I I	45° 45° 45°
1993/98	4	Escort 1.8 TD Orion 1.8 TD <b>Eng. RFD-RFK</b>	82.5	89FF6507FA/FB 93FF6507AA/AF 6172851	IN	<b>R4375/BMARCR</b>	36.5	8	107.1	I	45°
1990/93		Sierra 1.8 TD <b>Eng. RFA.RFB-RFL</b> 1753 cc.		89FF6505FA 93FF6505AA 6172848	EX	<b>R4376/BMARCR</b>	32	8	109.2	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**



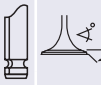
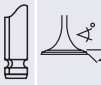

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1005252	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1077143	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07	B	C.I-F
1077143	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07	B	C.I-F
7402396	<b>G11325</b> <b>G11326</b>	IN/EX	38	8.01	12.76 12.81	G	C.I.
7402396	<b>G11325</b> <b>G11326</b>	IN/EX	38	8.01	12.76 12.81	G	C.I.
7402396	<b>G11325</b> <b>G11326</b>	IN/EX	38	8.01	12.76 12.81	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0032</b>	I
6136467 6181794 6111580	<b>PI 03-112</b>	M
6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	<b>PI 03-112</b>	M
6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	<b>PI 03-112</b>	M


**NOTE  
remarks**
**FORD DIESEL**

**VALVOLE  
ENGINE VALVES**


ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1999	4	Focus 1.8 TDCi <b>Eng. BHDA-BHDB-C9DA</b> <b>Eng. C9DC</b>	82.5	1113197 1198044 1352129	IN EX	<b>R6143/SCR</b> <b>R6144/BMCR</b>	36.5 32	8 8	107 108.7	I I	45° 45°
2000		Fiesta 1.8 TDCi <b>Eng. C9DC-RTN-RTP</b> <b>Eng. RTQ</b>		1078429							
2001		Focus 1.8 TDCi <b>Eng. F9DA-F9DB</b>									
2002		Focus 1.8 TDCi <b>Eng. FFDA</b>									
2001		Tourneo 1.8 TDCi <b>Eng. HCPA</b>									
2001		Transit 1.8 TDCi <b>Eng. HCPA-HCPB</b>									
2000		Courier 1.8 Tddi <b>Eng. RTN-RTP-RTQ</b>									
2005/07 2007	4	Focus C-MAX 1.8 TDCI Mondeo 1.8 TDCI <b>Eng. KKDA</b> 1753 cc. Endura di									
2015 <b>NEW</b>	4	Transit Eco Blue 2.0 TDI <b>Eng. YMF6-YMR6</b> 1995 cc.	84.01	2239538 GK2Q-6507-AB 2321494 GK2Q-6505-AC	IN EX	<b>R6988/SCR</b> <b>R6989/RCR</b>	28 25.50	5.5 5.5	99.81 99.90	I I	45° 45°
2003	4	Focus 2.0 TDCi 16V Focus C- Max 2.0 TDCi 16V <b>Eng. G6DA-G6DB</b> 1997 cc.	85	1231931 1231930	IN EX	<b>R6163/SCR</b> <b>R6164/BMCR</b>	29.8 25	6 6	105 105	I I	45° 45°
2006	4	S Max 2.0 TDCI New Galaxy 2.0 TDCI <b>Eng. AZWA-QXWA-QXWB</b> 1997 cc.	85	1231931 1231930	IN EX	<b>R6163/SCR</b> <b>R6164/BMCR</b>	29.8 25	6 6	105 105	I I	45° 45°
03/2008 2007	4	Kuga 2.0 TDCi 16V Mondeo IV 2.0 TDCi 16V <b>Eng. QXBA-UFBA</b> 1997 cc.	85	1231931 1231930	IN EX	<b>R6163/SCR</b> <b>R6164/BMCR</b>	29.8 25	6 6	105 105	I I	45° 45°
2010	4	Mondeo IV 2.0 TDCI <b>Eng. TXBA-TXWA</b> 1997 cc.	85	1683701 1675716	IN EX	<b>R6724/SCR</b> <b>R6164/BMCR</b>	27.25 25	6 6	104.5 105	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7402396	<b>G11325</b> <b>G11326</b>	IN/EX	38	8.01	12.76 12.81	G	C.I.
	<b>G11319</b> <b>G11320</b> <b>GS11319</b> <b>G11396</b> <b>G11397</b>	IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.
	<b>G11319</b> <b>G11320</b> <b>GS11319</b> <b>G11396</b>	IN/EX IN/EX IN/EX IN/EX	41.5 41.5 42.5 42.5	6 6 6 6	10.06 10.11 10.06 12.06	G SM G	L L C.I.
	<b>G11319</b> <b>G11320</b> <b>GS11319</b> <b>G11396</b> <b>G11397</b> <b>GS11396</b>	IN/EX IN/EX IN/EX IN/EX IN/EX IN/EX	41.5 41.5 42.5 42.5 42.5 42.5	6 6 6 6 6 6	10.06 10.11 10.06 12.06 12.11 12.06	G SM G SM	L L C.I. C.I.
	<b>G11319</b> <b>G11320</b> <b>GS11319</b> <b>G11396</b> <b>G11397</b> <b>GS11396</b>	IN/EX IN/EX IN/EX IN/EX IN/EX IN/EX	41.5 41.5 42.5 42.5 42.5 42.5	6 6 6 6 6 6	10.06 10.11 10.06 12.06 12.11 12.06	G SM G SM	L L C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1047213 6136467 6181794 6111580 6957756 84FM6500B1B 89FF6500AA 93FF6500AA	<b>PI 03-112</b>	M
2018404 2385774 GK2Q-6G093-AA	<b>PI 06-0061</b> <b>RA06-998</b>	I
1331285	<b>PI 06-0039</b> <b>RA06-915</b>	I
1331285	<b>PI 06-0039</b> <b>RA06-915</b>	I
1331285	<b>PI 06-0039</b> <b>RA06-915</b>	I
1331285 0903.J2 0903.J3	<b>PI 06-0039</b> <b>RA06-915</b>	I






**NOTE  
remarks**
**FORD DIESEL**
**RA06-915**  
L58.4

**RA06-915**  
L58.4

**RA06-915**  
L58.4

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008 2008	4	S-Max 2.2 TDCi 16V Mondeo IV 2.2 TDCi 16V <b>Eng. Q4AB</b> 2179 cc.	85	1871590 1427813	IN EX	<b>R6595/SCR</b> <b>R6596/BMCR</b>	27.2 25	6 6	95.8 95	I I	45° 45°
2000 2000 2001 2001	4	Mondeo 2.0 TDCi 16V <b>Eng. D5BA</b> Mondeo 2.0 TDCi 16V <b>Eng. D6BA-FMBA-HJBA</b> <b>Eng. HJBB-HJBC</b> Transit 2.0 Di 16V <b>Eng. D3FA</b> Transit 2.0 Tddi 16V <b>Eng. F3FA-ABFA-ABFB</b> 1998 cc Duratorq DI	86	1121333 1121331 1216915 1217148 1738494 1121332 1132466 1214456 1706990	IN    EX	<b>R6145/SCR</b>    <b>R6146/BMCR</b>	29.8    25.8	7    7	122.2    122.2	I    I	30°    45°
2004	4	Mondeo 2.2 TDCi 16V <b>Eng. QJBA</b> 2198 cc.	86	1121333 1121331 1121332	IN EX	<b>R6145/SCR</b> <b>R6146/BMCR</b>	29.8 25.8	7 7	122.2 122.2	I I	30° 45°
2011	4	Transit 2.2TDCi 16V <b>Eng. CYFB-DRFB</b> 2198 cc.	86	1738494 1217148 1706997	IN EX	<b>R6145/SCR</b> <b>R6146/BMCR</b>	29.8 25.8	7 7	122.2 122.2	I I	30° 45°
1977	4	Granada 1.9D <b>Eng. XD4.88</b> 1948 cc. Granada 2.1D <b>Eng. XD4.90</b> 2112cc.	88 90	78EM6507AA 78EM6505AA	IN EX	<b>R3442/N</b> <b>R3443/RCR</b>	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°
2004 2001	4 4	Transit 2.4 Tddi 16V <b>Eng. F4FA-D2FA-D2FE</b> Transit 2.4 Tddi 16V <b>Eng. DT24H-N-P</b> 2402 cc. Duratorq	89.9	1096250 1096248	IN EX	<b>R6167/SCR</b> <b>R6168/RCR</b>	31.3 27.8	7 7	122.2 122.1	I I	30° 45°
2006	4	Transit 2.4 TDCi 16V <b>Eng. PHFA-PHFC</b> 2402 cc.	89.9	1121333 1121331 1121332	IN EX	<b>R6145/SCR</b> <b>R6146/BMCR</b>	29.8 25.8	7 7	122.2 122.2	I I	30° 45°
1996/99	4	Granada - Scorpio <b>Eng. VM TD</b> 2498 cc.	92	V94DD-6507AA V94DD-6505AA	IN EX	<b>R3598/RCR</b> <b>R3599/RCR</b>	40 34	8 8	121 121	E E	35° 45°
2006	4	Ranger 2.5 tdi 16V Everest 2.5 tdi 16V <b>Eng. WLAA</b> 2499 cc.	93	1449108 6M346507AA 1449109 6M346505AA	IN EX	<b>R6698/SNT</b> <b>R6699/RNT</b>	31 28	6 6	112 112	S S	45° 45°
1971/77	4/6	FT 100/125/130/150/ <b>Eng. 2401E - 2402E</b> 2358 - 3537 cc.	93.46 93.64	735F6507AAA 715F6505AAC	IN EX	<b>R3545/RCR</b> <b>R3546/RCR</b>	44.5 36.5	9 9	126.5 126.5	EE EE	45° 30°
1978	4/6	FT 100/125/130/150/ <b>Eng. 2401E - 2402E</b> 2358 - 3537 cc.	93.46 93.64	785F6507AAA 785F6505AAA	IN EX	<b>R3656/RCR</b> <b>R3657/RCR</b>	44.5 36.5	9 9	124 124	EE EE	45° 30°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX IN/EX	41.5	6	10.06 10.11 10.06	G SM	L L
XSQ6510AC	<b>G11459</b> <b>G11460</b>  <b>GS11459</b>	IN/EX IN/EX IN/EX	51.5	6.96	12.06 12.10 12.06	G SM	L L
	<b>G11459</b> <b>G11460</b> <b>GS11459</b>	IN/EX IN/EX IN/EX	51.5	6.96	12.06 12.10 12.06	G SM	L L
	<b>G11459</b> <b>G11460</b> <b>GS11459</b>	IN/EX IN/EX IN/EX	51.5	6.96	12.06 12.10 12.06	G SM	L L
22016	<b>G2558</b> <b>G2559</b> <b>G2970</b>	IN/EX	55.4	8.50	14.06 14.11 14.16	G	L
XSQ6510AC	<b>G11459</b> <b>G11460</b>  <b>GS11459</b>	IN/EX IN/EX IN/EX	51.5	6.96	12.06 12.10 12.06	G SM	L L
	<b>G11459</b> <b>G11460</b> <b>GS11459</b>	IN/EX IN/EX IN/EX	51.5	6.96	12.06 12.10 12.06	G SM	L L
20380025A	<b>G3126</b> <b>G3127</b>	IN/EX	55	8	14.07 14.12	G	L
715F6510ABA	<b>G2376</b> <b>G2377</b>	IN/EX	61.5	8.98	14.74 14.79	G	L
715F6510ACA	<b>G2714</b> <b>G2880</b>	IN/EX	59	8.98	14.74 14.79	G	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1120750 1120752	<b>RA06-931</b> <b>RA06-932</b>	
1120750 1120752	<b>RA06-931</b> <b>RA06-932</b>	
	<b>RA06-990</b>  <b>RA06-991</b>	
1099936 1100013	<b>RA06-953</b> <b>RA06-954</b>	
1449039 6M346564AA	<b>RA06-974</b>	


**NOTE**  
remarks

**RA06-931**  
VERSIONE LUNGA  
LONG VERSION

**RA06-931**  
VERSIONE LUNGA  
LONG VERSION

**RA06-990**  
EURO 4  
**RA06-991**  
EURO 5

**RA06-953**  
VERSIONE LUNGA  
LONG VERSION

**FORD DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1983/00	4	Transit 2.5D-Di <b>Eng. 4AB-4BA-4BC-4CA</b> <b>Eng. 4CC-4FA-4FB-4FC</b> <b>Eng. 4FD</b> 2496 cc.	93.65	894F6507A1B 1050570 894F6505A1B 6200033	IN	<b>R4631/RCR</b>	42	9	124.5	I	30°
							36.3	9	124	I	45°
1982	4	Granada 2.3 D - LD Scorpio 2.3 D - LD Sierra 2.3 D - LD <b>Eng. LXD 2</b> 2304 cc.	94	83EM6507AA 78EM6505AA	IN	<b>R3658/S</b>	40.5	8.5	116.5	E	30°
							33.5	8.5	116.5	E	45°
1982/84	4	Granada 2.5 LD - GLD <b>Eng. XD 3</b> 2498 cc.	94	83EM6507BB 83EM6505AB	IN	<b>R4018/S</b>	42.5	8.5	116	E	45°
							35.5	8.5	116.2	E	45°
1993	4	Mavreick 2.7 TD <b>Eng. TD27-TD27T</b> 2663 cc.	96	1952666 1962501	IN	<b>R4923/SNT</b>	43.5	8	117	M	45°
							38	8	117	M	45°

## FORD TRACTOR

1952/56	4	Fordson Major <b>Eng. 4D</b> 3260 - 3610cc.	100	EIADDN6507 EIADDN6505B EIADDN6505C	IN	<b>R0444/N</b>	44	9.5	158.5	K	30°
							39	9.5	156.5	H	30°
							39	9.5	156.5	D	30°
1957/95	6	Fordson Super Major <b>Eng. 6D</b> 5416 cc.									
1968/81	6	D/N Series - R Series <b>Eng. 360 DT Turbo</b> 5945 cc. <b>Eng. 2713E-365</b> 5948 cc.	104.77 106.68 111.76	723F6507GAA 723F6505GAA C5NE6507A C5NE6505A C5NE6507B C5NE6505B C5NE6507C C5NE6505C	IN	<b>R3943/S</b>	45	9.5	155.5	M	30°
							39	9.5	156.5	M	30°
							46	9.4	146	M	45°
							38.5	9.4	146	K	45°
							46	9.5	146	M	45°
							38.5	9.5	146	K	45°
1965	3	Dexta 2000 <b>Eng. LD 2502E-158</b> <b>Eng. 2588 cc.</b>		C5NE6505B C5NE6507C C5NE6505C	EX	<b>R3672/R</b>	38.5	9.5	146	K	45°
							46	9.8	146	M	45°
							38.5	9.8	146	K	45°
1972	4	7600		D0NN6507J D6NN6505A	IN	<b>R3526/S</b>	46.5	9.4	146	M	30°
							38.5	9.4	146	K	45°





## HONDA

1984	4	City - Jazz <b>Eng. ER</b> 1232 cc.	66	14711-PC0000 14721-PC0000	IN	<b>R4424/SNT</b>	30	6.6	117	H	45°
							24	6.6	117	H	45°
1972/77	4	Civic 1200 <b>Eng. EB1</b> 1169 cc.	70	14711-611000 14721-611000	IN	<b>R3801/RCR</b>	34	6.6	112.8	H	45°
							30	6.6	112.7	H	45°



## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1979	4	Ballade - Civic 1300 <b>Eng. EJ/EN</b> 1335 cc. Civic 1500 <b>Eng. CVC</b> 1488 cc.	72	14711-634920 14721-634920	IN EX	<b>R3799/RCR</b> <b>R3800/RCR</b>	36	6.6	109.5	H	45°
							32	6.6	109.5	H	45°
2003	4	Jazz 1.2 Dsi <b>Eng. A12A1</b> 1246 cc.	73	14711-PWA000 14721-PWA000	IN EX	<b>R6591/SNT</b> <b>R6592/RNT</b>	32	5.5	118.3	E	45°
2003	4	Jazz 1.4 Dsi <b>Eng. L13A1</b> 1339 cc.					28	5.5	118	E	45°
2008	4	Civic VII 1.4 i 16V Jazz III 1.4 i 16V <b>Eng. L13Z1</b> 1339 cc.	73	14711-RB0-000 14721-RB0-000	IN EX	<b>R6801/SNT</b> <b>R6802/RNT</b>	27.95	5.5	118.9	S	45°
							23	5.5	117.50	S	45°
1973	4	Ballade - Civic 1300 <b>Eng. EV ( 3 Valve)</b> 1342 cc.	74	14711-PE0000 14721-PE0000	IN EX	<b>R4522/SNT</b> <b>R4523/RNT</b>	27	6.6	112.8	E	45°
							32	6.6	113.8	E	45°
1983	4	Ballade 1500 Civic 1500 Shuttle 1500 <b>Eng. EW ( 3 Valve)</b> 1488 cc.									
1999/02	4	Logo 1.3 i 16V <b>Eng. D13B7</b> 1343 cc.	75	14711-P08000 14711-P2A000 14721-P08000 14721-P2A000	IN EX	<b>R6232/SNT</b> <b>R6233/BMNT</b>	30	5.5	118.6	S	45°
							26	5.5	116	S	45°
1988	4	Civic Hatchback 16V Civic Sedan 16V Civic Coupè 16V Civic Shuttle 4WD 16V Civic CRX <b>Eng. 1493 - 1595 cc.</b>	75	14711-PM3000 14721-PM3000	IN EX	<b>R4900/SNT</b> <b>R4901/RNT</b>	29	5.5	115	E	45°
							24.9	5.5	118.7	E	45°
1988	4	Civic 1.6 16V Concerto 1.6 16v CR-X 1.6 16V <b>Eng. D16A</b> 1590 cc.	75	14711-PG6000 14721-PG6000	IN EX	<b>R4912/SNT</b> <b>R4913/RNT</b>	30	6.6	105.5	E	45°
							27	6.6	104.6	E	45°



## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	Accord 1.6 i 16V <b>Eng. D16B6</b>	75	14711-P08000	IN	<b>R6232/SNT</b>	30	5.5	118.6	S	45°
1995	4	Civic 1.4 i 16V <b>Eng. D14Z1/Z2/Z4/Z5</b>		14711-P2A000							
		1396 cc.		14721-P08000	EX	<b>R6233/BMNT</b>	26	5.5	116	S	45°
1995/01	4	Civic 1.6 i 16V <b>Eng. D16Y5/Y6</b>		14721-P2A000							
1997	4	Civic 1.6 i 16V <b>Eng. D16B2</b>		14721-P1JE00							
		1590 cc.									
1999	4	HR-V 1.6 Vtec 16V <b>Eng. D16W1/W5</b>		14711-P08000	IN	<b>R6232/SNT</b>	30	5.5	118.6	S	45°
		1590 cc.		14711-P2A000							
				14721-P08000	EX	<b>R6233/BMNT</b>	26	5.5	116	S	45°
				14721-P2A000							
2001	4	Stream 1.7 i Vtec 16V	75	14711-P08000	IN	<b>R6232/SNT</b>	30	5.5	118.6	S	45°
2005	4	FR-V 1.7 i Vtec 16V <b>Eng. D17A2</b>		14711-P2A000							
		1668 cc.		14721-P08000	EX	<b>R6233/BMNT</b>	26	5.5	116	S	45°
				14721-P2A000							
1978	4	Accord - Prelude 1800 <b>Eng. EK</b>	77	14711-PC1000	IN	<b>R4524/SNT</b>	36	7	113.2	E	45°
		1750 cc.		14721-PC1000	EX	<b>R4525/RNT</b>	30	7	113.2	E	45°
1979	4	Accord 1600 Prelude 1600 <b>Eng. EP</b>	77	14711-PB2000	IN	<b>R4902/SNT</b>	35	7	113.3	E	45°
		1602 cc.		14711-689000	IN	<b>R4904/SNT</b>	34	7	113.8	E	45°
				14721-689660	EX	<b>R4903/RNT</b>	28	7	113.8	E	45°
1983	4	Accord 1600 <b>Eng. EY ( 3 Valve)</b>	80	14711-PC6000	IN	<b>R4422/SNT</b>	30	6.6	120.5	E	45°
		1598 cc.		1472-1PC6000	EX	<b>R4423/RNT</b>	35	7	120.7	E	45°
		Accord - Prelude 1800 <b>Eng. ES ( 3 Valve)</b>									
		1829 cc.									
1989	4	Prelude 16V <b>Eng. B20A</b>	81	14711-PH3000	IN	<b>R4905/SNT</b>	33	6.6	104.5	E	45°
		1958 cc.		14721-PH3000	EX	<b>R4906/RNT</b>	28	6.6	106	E	45°
1991/01	4	Civic 1.6 VTI 16V	81	14711-PR3000	IN	<b>R6405/SNT</b>	33	5.5	102.3	S	45°
1992/98	4	CR-X 1.6 VTI 16V <b>Eng. B16A2</b>		14721-PR3000	EX	<b>R6406/RNT</b>	27.9	5.5	102.5	S	45°
		1590 cc.									
2002	4	CR-V 2.0i 16V V-TEC <b>Eng. K20A4</b>	81	14711-RNA-000	IN	<b>R6559/SNT</b>	32	5.5	116.7	S	45°
		1998 cc.		14721-P2A-000	EX	<b>R6233/BMNT</b>	26	5.5	116	S	45°
2005	4	FR-V 1.8i 16V V-TEC <b>Eng. R18A1</b>	81	14711-RNA-000	IN	<b>R6559/SNT</b>	32	5.5	116.7	S	45°
2006	4	Civic 1.8i 16V V-TEC <b>Eng. R18A2</b>		14721-P2A-000	EX	<b>R6233/BMNT</b>	26	5.5	116	S	45°
		1799 cc.									



## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008	4	Accord VII 2.0 16V <b>Eng. 20A3</b> 1997 cc.	81	14711-R60-U00 14721-P2A-000	IN EX	<b>R6803/SNT</b> <b>R6804/RNT</b>	33	5.5	117.80	S	45°
							25.95	5.5	115.90	S	45°
1985	6	Legend V6 24V <b>Eng. C25A</b> 2494 cc.	84	14711-PH3000 14721-PH7000	IN EX	<b>R4905/SNT</b> <b>R6234/RNT</b>	33	6.6	104.5	E	45°
							27.5	6.6	106.5	E	45°
1995	4	CR-V 2.0 i 16V <b>Eng. B20B</b> 1973 cc.	84	14711-P75A00 1472-1P75A00	IN EX	<b>R6098/SNT</b> <b>R6099/BMNT</b>	31	6.55	105.5	E	45°
							28	6.55	106	E	45°
1993	4	Accord 1.8i 16V <b>Eng. F18A3</b> 1850 cc.	85	14711-PT3A00 14721-PT3A00 14721-PT6A00	IN EX	<b>R4907/SNT</b> <b>R4908/RNT</b>	34	5.5	112.1	E	45°
							29	5.5	123.5	E	45°
1993	4	Accord 2.0 16V <b>Eng. F20A3</b> 1997 cc.	85	14711-PT3A00 14721-PT3A00 14721-PT6A00	IN EX	<b>R4907/SNT</b> <b>R4908/RNT</b>	34	5.5	112.1	E	45°
							29	5.5	123.5	E	45°
1998	4	Accord 1.8 i 16V <b>Eng. F18B2</b> 1850 cc.	85	14711-PDAE00 14721-PDAE00	IN EX	<b>R6403/SNT</b> <b>R6404/RNT</b>	34	5.5	116	S	45°
							29	5.5	114.2	S	45°
1998/01	4	Accord 2.0 i 16V <b>Eng. F20B6</b> 1997 cc.	85	14711-PDAE00 14721-PDAE00	IN EX	<b>R6403/SNT</b> <b>R6404/RNT</b>	34	5.5	116	S	45°
1992	4	Accord 16V <b>Eng. F22</b> 2155 cc.	85	14711-PT3A00 14721-PT3A00 14721-PT6A00	IN EX	<b>R4907/SNT</b> <b>R4908/RNT</b>	34	5.5	112.1	E	45°
							29	5.5	123.5	E	45°
1993 <b>NEW</b>	4	Accord 2.2 <b>Eng. F22A8</b> 2157 cc.	85	14711-P13000 14721-P13000	IN EX	<b>R6666/SNT</b> <b>R6667/RNT</b>	35	5.5	106.7	S	45°
							30	5.5	106.9	S	45°
1996/98	4	Accord 2.2 i Vtec 16V <b>Eng. F22Z2</b> 2156 cc.	86	14711-PDAE00 14721-PDAE00	IN EX	<b>R6403/SNT</b> <b>R6404/RNT</b>	34	5.5	116	S	45°
							29	5.5	114.2	S	45°
1998	4	Accord 2.3 i 16V	86	14711-PDAE00 14721-PDAE00	IN EX	<b>R6403/SNT</b> <b>R6404/RNT</b>	34	5.5	116	S	45°
1998	4	Shuttle 2.3 i 16V <b>Eng. F23A7</b> 2254 cc.	86	14711-PDAE00 14721-PDAE00	IN EX	<b>R6403/SNT</b> <b>R6404/RNT</b>	34	5.5	116	S	45°
2003	4	Accord 2.0i 16V V-TEC <b>Eng. K20A6</b>	86	14711-PNA-000 14721-PNA-000	IN EX	<b>R6555/SNT</b> <b>R6556/RNT</b>	35	5.5	109.1	S	45°
							29.9	5.5	108.6	S	45°
2005	4	FR-V 2.0i 16V V-TEC <b>Eng. K20A9</b>	86	14711-PNA-000 14721-PRB-000	IN EX	<b>R6555/SNT</b> <b>R6556/RNT</b>	35	5.5	109.1	S	45°
2002/06	4	CR-V 2.0i V-TEC 16V <b>Eng. K20A4</b> 1998 cc.	86	14711-PNA-000 14721-PRB-000	IN EX	<b>R6555/SNT</b> <b>R6556/RNT</b>	35	5.5	109.1	S	45°
1987	6	Legend V6 24V <b>Eng. C27A</b> 2675 cc.	87	14711-PH3000 14721-PH7000	IN EX	<b>R4905/SNT</b> <b>R6234/RNT</b>	33	6.6	104.5	E	45°
							27.5	6.6	106.5	E	45°
1992/93	4	Prelude 2.3 SI 16V <b>Eng. H23A1</b> 2300 cc.	87	14711-PT2000 14721-PT2000	IN EX	<b>R4914/SNT</b> <b>R4915/RNT</b>	34	6.6	103.5	E	45°
							29	6.6	102.75	E	45°





## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1998	4	Prelude 2.2 V-TEC <b>Eng. H22A5</b> 2157 cc.	87	14711-P13000 14721-P13000	IN EX	<b>R6666/SNT</b> <b>R6667/RNT</b>	35	5.5	106.7	S	45°
							30	5.5	106.9	S	45°

## HONDA DIESEL

2002	4	Civic 1.7 CDTI 16V <b>Eng. 4EE2</b> 1686 cc.	79	147111PLZ-D00 14721-PLZ-D00	IN EX	<b>R6136/RNT</b> <b>R6137/RNT</b>	27.5	6	98.5	S	45°
							26.5	6	98.1	S	45°
1996	4	Accord 2.0 TDI 16V Civic 2.0 TDI 16V <b>Eng. 20T2N</b> 1994 cc.	84.5	14711-P5TG01 14721-P5TG01	IN EX	<b>R6119/SNT</b> <b>R6120/RNT</b>	37.2	7	86.7	EE	45°
							32.5	7	86.7	EE	45°
2005	4	Civic 2.2 i - CTDI CR-V 2.2i 16V -CTDI FR-V 2.2i 16V-CTDI <b>Eng. N22A1 - N22A2</b> 2204 cc.	87	14711-RBD-E00 14721-RBD-E00	IN EX	<b>R6557/SNT</b> <b>R6558/RNT</b>	28	5.5	100.7	S	45°
							26	5.5	100.4	S	45°
2008	4	Accord 2.2 i DITEC CRV 2.2 i DTEC <b>Eng. N22B1 - N22B3</b> 2199 cc.	85	14711-RL0-G00 14721-RL0-G50	IN EX	<b>R6741/SNT</b> <b>R6742/RNT</b>	27.9	5.5	98.9	S	45°
							26	5.5	98.9	S	45°

## HÜRLIMANN

		ELITE 6115 H358 - 361 - 362 - 466 H478 XA655 - 606 XE305 - 306 - 361 XF481 - XN706 - 707 XT908 - 910 - 911		010.6016.0 066.1421.0	IN EX	<b>MI5186/BMNT</b> <b>MI3786/BMNT</b>	44	9	131	E	30°
							39.5	9	130.5	E	45°
		ELITE 6135 PRESTIGE 488 SX1360 - XE307 XF476 - 491 XN707 - 709 XT909 - 913		010.6017.0 010.6022.0	IN EX	<b>MI5187/SARCR</b> <b>MI5188/BMCR</b>	44	9	130.5	E	30°
							39.5	9	130.5	E	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3571</b> <b>G11092</b> <b>G3572</b>	IN	47.5	5.50	11.06	G	L
		EX	54	5.50	11.06	G	L
	<b>G11251</b> <b>G11265</b>	IN/EX	42.3	6	11.06 11.11	G	C.I.
12204-P5TG00	<b>G11323</b>	IN/EX	28.5	6.95	12.07	G	L
12204-PNA-305 12205-PNA-305	<b>G11472</b> <b>G11513</b>	IN EX	41.5 45.5	5.50 5.50	11.07 11.07	G G	L L
06614160 0.007.17790./10	<b>G3541</b> <b>G11227</b>	IN EX	63 60	9.03 9.02	15.03 15.03	G G	L C.I.
06614160 0.007.17790./10	<b>G3541</b> <b>G11227</b>	IN EX	63 60	9.03 9.02	15.03 15.03	G G	L C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
14540-RBD-E01 14621-RBD-E01	<b>PI 06-0058</b> <b>RA06-979</b>	I


**NOTE  
remarks**
**HONDA DIESEL**
**HÜRLIMANN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
		ELITE 4105 - 6135 H372 - 488T XE307 - XF491 XT909 - 910		081.1420.0/01 066.1421.0	IN EX	<b>MI4203/SARNT</b> <b>MI3786/BMNT</b>	44.2 39.5	9 9	130.8 130.5	E E	30° 45°
		H356 - 466 - 476		066.1420.0 066.1421.0	IN EX	<b>MI3785/SNT</b> <b>MI3786/BMNT</b>	43 39.5	9 9	130.8 130.5	E E	45° 45°
		H360 - 470 - 480 H490T - 496T H5110 - 5116 H6130 - 6136 - 6170		009.7266.0 009.7267.0	IN EX	<b>MI5169/SCR</b> <b>MI5170/BMCR</b>	49 42.5	10 10	159.8 159.6	A A	30° 45°
		H355 - 361		042.1420.2/01 071.1420.2/01	IN EX	<b>MI3782/BMCR</b> <b>MI3784/BMCR</b>	44 42	8 8	147.8 147.8	E E	45° 45°
		H345 - 351		052.1420.0/01 039.1420.2/01 039.1421.0/02	IN IN EX	<b>MI3395/SNT</b> <b>MI3708/SNT</b> <b>MI3457/RNT</b>	42 42 39.8	9 9 9	148 148 148	E E E	45° 45° 45°





## HYUNDAI

1998	4	Atos 1.0 i 12V Prime 1.0 i 12V <b>Eng. G4HC</b> 999 cc.	66	22211-02500 22212-02500	IN EX	<b>R6169/SNT</b> <b>R6170/RNT</b>	23 27	5.5 5.5	100.3 100	S S	45° 45°
2008		i 10 1.1 12V <b>Eng. G4HG</b> 1086 cc.	67	22211-02200 22212-02200	IN EX	<b>R6568/SNT</b> <b>R6569/RNT</b>	23.50 27	5.5 5.5	99.57 99	S S	45° 45°
2008	4	i 10 - 1.2 16V i 20 - 1.2 16V <b>Eng. G4LA</b> 1248 cc.	71	22211-03200 22211-03201 22212-03200 22212-03201	IN EX	<b>R6572/SNT</b> <b>R6573/RNT</b>	26.7 24.1	5.5 5.5	101.15 101.3	S S	45° 45°
2011	3	i10 1.0 12V <b>Eng. G3LA</b> 998 cc.	71	22211-04000 22212-04000	IN EX	<b>R6813/SNT</b> <b>R6814/RNT</b>	26.75 24.07	5.5 5.5	93 93.47	S S	45° 45°
1994 1999	4	Accent 1.3 i 12V <b>Eng. G4N</b> 1341 cc. Accent 1.3 i 12V <b>Eng. G4EK</b> 1341 cc.	71.5	22211-22003 22212-22011	IN EX	<b>R6250/SNT</b> <b>R6251/R</b>	27.4 32	6 6	99 98.4	S S	45° 45°
1974	4 4	Pony <b>Eng. G36</b> 1238 cc. Pony - Stellar <b>Eng. 4G33</b> 1439 cc. Stellar <b>Eng. G32B</b> 1594 cc.	73 76.9	MD000480 MD000481	IN EX	<b>R3829/S</b> <b>R3830/RCR</b>	38 31	8 8	106 102.5	H H	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994	4	Accent 1.2 i 12V <b>Eng. G4K</b> 1495 cc.	75.5	22211-22003 22212-22011	IN EX	<b>R6250/SNT</b> <b>R6251/R</b>	27.4 32	6 6	99 98.4	S S	45° 45°
1999	4	Accent 1.2 i 12V <b>Eng. G4EB</b> 1495 cc.									
2005	4	Getz 1.4 16V Accent 1.4 16V Verna 1.4 16V <b>Eng. G4EE</b> 1399 cc.	75.5	22211-26600 22212-26600	IN EX	<b>R6241/SNT</b> <b>R6242/RNT</b>	29.1 25	6 6	91.9 92.4	S S	45° 45°
2001/04	4	Coupè 1.6 i 16V	76.5	22211-26600	IN	<b>R6241/SNT</b>	29.1	6	91.9	S	45°
2000/04		Elantra 1.6 i 16V		22212-26000	EX	<b>R6242/RNT</b>	25	6	92.4	S	45°
2003/04		Getz 1.6 i 16V									
2001/04		Matrix 1.6 i 16V <b>Eng. G4ED</b> 1599 cc.									
2008	4	i 20 - 1.4	77	22211-2B000	IN	<b>R6566/SNT</b>	31.5	5.5	93.2	S	45°
2008		i 30 - 1.4 16V <b>Eng. G4FA</b> 1396 cc.		22212-2B400 22212-2B000	EX	<b>R6567/RNT</b>	26	5.5	92.6	S	45°
2008		i 30 - 1.6 16V <b>Eng. G4FC</b> 1591 cc.									
2010	4	ix 35 1.6 16V	77	22211-2B000	IN	<b>R6566/SNT</b>	31.5	5.5	93.2	S	45°
2011		i 40 1.6 16V		22211-2B400							
2011		i 30 1.6 16V		22212-2B000	EX	<b>R6567/RNT</b>	26	5.5	92.6	S	45°
2011		Velster 1.6 16V <b>Eng. G4FD</b> 1591 cc.									
2001	4	Lantra 1.6 16V <b>Eng. G4DR</b> 1599 cc.	77.4	22211-33000 22212-33000	IN EX	<b>R6248/SNT</b> <b>R6249/RNT</b>	34 30.5	6.5 6.5	109.5 109.7	S S	45° 45°
2002/04	4	Coupè 2.0 i 16V	82	22211-23000	IN	<b>R6407/SNT</b>	32	6	102.3	S	45°
2000/04		Elantra 2.0 i 16v <b>Eng. G4GC</b> 1975 cc.		22212-23000	EX	<b>R6408/RNT</b>	27.5	6	104.7	S	45°
2001/04	4	Matrix 1.8 i 16V <b>Eng. G4GB</b> 1795 cc.	82	22211-23000 22212-23000	IN EX	<b>R6407/SNT</b> <b>R6408/RNT</b>	32 27.5	6 6	102.3 104.7	S S	45° 45°
2004	4	Tucson 2.0i 16V	82	22211-23600	IN	<b>R6585/SNT</b>	32	6	114.4	S	45°
2004		Trajjet 2.0i 16V <b>Eng. G4GC</b> 1975 cc.		22212-23600	EX	<b>R6586/RNT</b>	27.5	6	116.6	S	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-22905 22115-22905	<b>G11418</b> <b>G11419</b>	IN EX	42.7 39	6 6	11.10 11.10	G G	
22114-26000 22115-26000	<b>GS11461</b> <b>GS11462</b>	IN EX	36.5 41	6.01 6.01	11.06 11.06	SM SM	L-X L-X-U
22114-26000 22115-26000	<b>G11098</b> <b>G11099</b> <b>GS11098</b>	IN/EX IN/EX	40 40	6 6	11.07 11.12 11.07	G G	L-X L-X
	<b>GS11461</b> <b>GS11462</b>	IN EX	36.5 41	6.01 6.01	11.06 11.06	SM SM	L-X L-X-U
	<b>G11478</b>	IN/EX	40.5	5.5	10.05	G	L-X
	<b>G11478</b>	IN/EX	40.5	5.5	10.05	G	L-X
MDO - 16441 MDO - 16445	<b>G2945</b> <b>G3584</b> <b>G2946</b> <b>G3585</b>	IN EX	44 44 50 50	6.60 6.60 6.60 6.60	12.06 12.11 12.06 12.11	G G	L-X L-X
22114-23501 22115-23501	<b>G11420</b> <b>G11421</b>	IN EX	46 54.5	6 6	11.05 11.05	G G	L-X L-X-U
22114-23501 22115-23501	<b>G11420</b> <b>G11421</b>	IN EX	46 54.5	6 6	11.05 11.05	G G	L-X L-X-U
22114-26000 22115-26000	<b>GS11461</b> <b>GS11462</b>	IN EX	36.5 41	6.01 6.01	11.06 11.06	SM SM	L-X L-X-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0020</b>	I
	<b>PI 06-0020</b>	I
	<b>PI 06-0057</b>	I


**NOTE  
remarks**
**HYUNDAI**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998/01 2000 2000	4	Sonata 2.0 i 16V Trajet 2.0 i 16V Santa Fe 2.0 i 16V <b>Eng. G4JP</b> 1997 cc.	85	22211-33000 22212-33000	IN EX	<b>R6248/SNT</b> <b>R6249/RNT</b>	34 30.5	6.5 6.5	109.5 109.7	S S	45° 45°
1998/01 1998/01		Sonata 2.4 i 16V H1 2.4 i 16V 2351 cc. <b>Eng. G4CS</b> 2351 cc.	86.5								
2008 2010	4	Sonata 2.0 16V VVTI ix 35 2.0 16V <b>Eng. G4KD-G4KA</b> 1998 cc.	86	22211-2G000 22212-25002	IN EX	<b>R6811/SNT</b> <b>R6812/RNT</b>	35 28.96	5.5 5.5	113.30 106	S S	45° 45°
2002 2001 2002 2001 2004	V6	Coupé 2.7 i V6 24V Sonata 2.7 i V6 24V Trajet 2.7 i V6 24V Santa Fe 2.7 i V6 24V Tucson 2.7 i V6 24V <b>Eng. G6B4</b> 2656 cc.	86.7	22211-37201 22212-37200	IN EX	<b>R6409/SNT</b> <b>R6410/RNT</b>	32 27.5	6 6	96.2 97.3	S S	45° 45°
2004	V6	Tucson 2.7 V6 24V <b>Eng. G6BA</b> 2656 cc.	86.7	22211-23600 22212-23600	IN EX	<b>R6585/SNT</b> <b>R6586/RNT</b>	32 27.5	6 6	114.4 116.6	S S	45° 45°
2006/10	4	Sonata 2.4 i 16V <b>Eng. G4KE</b> 2359 cc.	88	22211-2G000 22212-25002	IN EX	<b>R6811/SNT</b> <b>R6812/RNT</b>	35 28.96	5.5 5.5	113.30 106	S S	45° 45°

## HYUNDAI DIESEL

2005  2004	4	Accent 1.5 CRDi 16V Getz 1.5 CRDi 16V Verna 1.5 CRDi 16V Matrix 1.5 CRDi 16V <b>Eng. D4FA</b> 1493 cc.	75	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26 21	5.5 5.5	93 93.7	I I	45° 45°
2008	3	i 10 1.1 CRDi 12V <b>Eng. D3FA</b> 1120 cc.	75	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26 21	5.5 5.5	93 93.7	I I	45° 45°
2008 2010 2011	4	i 20 1.4 CRDi ix 20 1.4 CRDi ix 30 1.4 CRDi <b>Eng. D4FC</b> 1396 cc.	75	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26 21	5.5 5.5	93 93.7	I I	45° 45°
2008	4	i 20 1.6 CRDi 16V i 30 1.6 CRDi 16V <b>Eng. D4FB</b> 1582 cc.	77.2	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26 21	5.5 5.5	93 93.7	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
MDO - 16441	<b>G2945</b>	IN	44	6.60	12.06	G	L-X
	<b>G3584</b>		44	6.60	12.11		
MDO - 16445	<b>G2946</b>	EX	50	6.60	12.06	G	L-X
	<b>G3585</b>		50	6.60	12.11		
22114-25000	<b>GS11619</b> <b>GS11620</b>	IN/EX	44	5.5	11.04 11.09	SM	L
22114-23000	<b>G11422</b>	IN	39	6	11.05	G	L-X
22115-37100	<b>G11423</b>	EX	43	6	11.10	G	L-X-U
	<b>GS11422</b>	IN	39	6	11.05	SM	L-X
	<b>GS11423</b>	EX	43	6	11.10	SM	L-X-U
22114-23501	<b>G11420</b>	IN	46	6	11.05	G	L-X
22115-23501	<b>G11421</b>	EX	54.5	6	11.05	G	L-X-U
22114-25000	<b>GS11619</b> <b>GS11620</b>	IN/EX	44	5.5	11.04 11.09	SM	L
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	<b>GS11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>GS11571</b>	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	G	C.I.-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
22231-37110	<b>PI 06-0057</b>	I
22231-26011		
22231-26010		
	<b>PI 06-0019</b> <b>RA06-957</b>	I
	<b>PI 06-0019</b> <b>RA06-957</b>	I
	<b>PI 06-0019</b> <b>RA06-957</b>	I
	<b>PI 06-0019</b> <b>RA06-957</b>	I


 NOTE  
remarks

HYUNDAI

HYUNDAI DIESEL

**VALVOLE  
ENGINE VALVES**


ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2010 2011	4	ix 35 1.7 CRDi 16V i 40 1.7 CRDi 16V <b>Eng. D4FD</b> 1685 cc.	77.2	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26 21	5.5 5.5	93 93.7	I I	45° 45°
1997	4	Lantra 1.9 D <b>Eng. XUD9AY Peugeot</b> 1905 CC.	83	22211-29000 22212-29000	IN EX	<b>R4243/SCR</b> <b>R4810/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
2002 2002 2002	3	Accent 1.5 CRDi 12V Getz 1.5 CRDi 12V Matrix 1.5 CRDi 12V <b>Eng. D3EA VM R315</b> 1496 cc.	83	22211-27000/01 22212-27000/01	IN EX	<b>R6239/SNT</b> <b>R6240/RNT</b>	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
2001 2001 2001 2004 2007	4	Trajeto 2.0 CRDi 16V Santa Fe 2.0 CRDi 16V Elantra 2.0 CRDi 16V Tucson 2.0 CRDi 16V i 30 2.0 CRDi 16V <b>Eng. D4EA VM Eng.</b> 1991 cc.	83	22211-27000/01 22212-27000/01	IN EX	<b>R6239/SNT</b> <b>R6240/RNT</b>	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
2010 <b>NEW</b>	4	ix 35 2.0 CRDi 16V Santa Fe II 2.0 CRDi 16V <b>Eng. D4HA</b> 1995 cc.	84	22211-2F000 22212-2F000 22212-2F010	IN EX	<b>R6809/SNT</b> <b>R6810/RNT</b>	29 26	6 6	108.5 108.3	I I	45° 45°
2009 2012 <b>NEW</b>	4	Santa Fe II 2.2 CRDi 16V Santa Fe III 2.2 CRDi 16V <b>Eng. D4HB</b> 2199 cc.	85.4	22211-2F000 22212-2F010	IN EX	<b>R6809/SNT</b> <b>R6810/RNT</b>	29 26	6 6	108.5 108.3	I I	45° 45°
2005/10	4	Santa Fe 2.2 CRDi 16V <b>Eng. D4EB</b> 2188 cc.	87	22211-27000/01 22212-27000/01	IN EX	<b>R6239/SNT</b> <b>R6240/RNT</b>	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
2003 2008	4	H 200 2.5 CRDi 16V H1 2.5 CRDi 16V <b>Eng. D4CB</b> 2497 cc.	91	22211-4A061 22212-4A061	IN EX	<b>R6466/SNT</b> <b>R6467/RNT</b>	31.7 28	7 7	110.5 110.5	I I	45° 45°
1991	4	Galloper 2.5 TD <b>Eng. D4BH</b> 2476 cc.	91.1	22211-42850 22212-42850	IN EX	<b>R4537/SNT</b> <b>R4538/RNT</b>	40 34	8 8	136.5 136.5	EE EE	45° 45°
1993	4	Porter 2.5 D <b>Eng. D4BA-D4BX</b> 2476 cc.	91.1	22211-42850 22212-42850	IN EX	<b>R4537/SNT</b> <b>R4538/RNT</b>	40 34	8 8	136.5 136.5	EE EE	45° 45°
1991/98	4	Galloper 2.5 Tdi <b>Eng. D4BH</b> 2476 cc.	91.1	22211-42520 22212-42520	IN EX	<b>R6102/BMNT</b> <b>R6103/BMNT</b>	40 34	8 8	130.2 130	EE EE	45° 45°
1991  1998	4  4	H1 2.5 D - TD <b>Eng. D4BB - D4BF</b>  H1 2.5 Tdi <b>Eng. D4BH</b> 2476 cc.	91.1	22211-42520 22212-42520	IN EX	<b>R6102/BMNT</b> <b>R6103/BMNT</b>	40 34	8 8	130.2 130	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	G	C.I.-U
	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L
22114-27000	<b>G11424</b>	IN/EX	36.6	6.00	11.05	G	C.I.
22114-27000	<b>GS11424</b>	IN/EX	36.6	6.00	11.05	SM	C.I.
22114-27000	<b>G11424</b>	IN/EX	36.6	6.00	11.05	G	C.I.
	<b>GS11424</b>	IN/EX	36.6	6.00	11.05	SM	C.I.
22114-27000	<b>G11424</b>	IN/EX	36.6	6.00	11.05	G	C.I.
	<b>GS11424</b>	IN/EX	36.6	6.00	11.05	SM	C.I.
22114-4A000	<b>G11490</b>	IN	43.3	7	12.06	G	L-X
22115-4A000	<b>G11491</b>	EX	39.4	7	12.06	G	L-X
22114-42520	<b>G3217</b>	IN	71	8	13.11	G	L-X
22115-42520	<b>G3218</b>	EX	74	8	13.11	G	L-X-U
22114-42520	<b>G3217</b>	IN	71	8	13.11	G	L-X
22115-42520	<b>G3218</b>	EX	74	8	13.11	G	L-X-U
22114-42000	<b>G11327</b>	IN	71	8.00	13.07	G	L-X
22115-42000	<b>G11328</b>	EX	74	8.00	13.07	G	L-X-U
22114-42000	<b>G11327</b>	IN	71	8.00	13.07	G	L-X
22115-42000	<b>G11328</b>	EX	74	8.00	13.07	G	L-X-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-957</b>	I
24170-27001 24180-27000 22231-27900 22231-27000	<b>RA06-936</b> <b>RA06-937*</b> <b>PI 06-0051</b>	I
24170-27001 24180-27000 22231-27900 22231-27000	<b>RA06-936</b> <b>RA06-937*</b> <b>PI 06-0051</b>	I
24170-2F000	<b>RA06-985</b>	
24170-2F000	<b>RA06-985</b>	
24170-27001 24180-27000 22231-27900	<b>RA06-936</b> <b>RA06-937*</b> <b>PI 06-0051</b>	I
24170-4A001 24180-4A000	<b>RA06-967</b> <b>RA06-968</b> <b>PI 06-0019</b>	I


**NOTE  
remarks**
**RA06-937**  
VERSIONE LUNGA  
LONG VERSION

**RA06-937**  
VERSIONE LUNGA  
LONG VERSION

**RA06-937**  
VERSIONE LUNGA  
LONG VERSION

**RA06-967** LATO IN  
**RA06-968** LATO EX

**HYUNDAI DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1991 2006	4	Galopper 2.5 TD H100 2.5 TD <b>Eng. 4D56T</b> 2477 cc.	91.1	22211-42860 22212-42860	IN EX	<b>R6795/SNT</b> <b>R6796/RNT</b>	40 34	8 8	132 132	S S	45° 45°
1993/01	4	H100 2.5 D - TD <b>Eng. D4BA-D4BF-D4BX</b> 2476 cc.	91.1	22211-42520 22212-42520	IN EX	<b>R6102/BMNT</b> <b>R6103/BMNT</b>	40 34	8 8	130.2 130	EE EE	45° 45°
<b>NEW</b>	4	H100 <b>Eng. D4BB</b> 2476 cc.	91.1	22211-42220 22212-42220	IN EX	<b>R6956/SNT</b> <b>R6957/RNT</b>	42.05 36	8 8	132.2 132	S S	45° 45°
2001	4	Terracan 2.5 TDI <b>Eng. D4BH</b> 2476 cc.	91.1	22211-42520 22212-42520	IN EX	<b>R6102/BMNT</b> <b>R6103/BMNT</b>	40 34	8 8	130.2 130	EE EE	45° 45°
2001	4	Terracan 2.9 CRDi 16V <b>Eng. J3TCI</b> 2902 cc.	97.1	OK5511-2111A OK5511-2121A	IN EX	<b>R6171/SNT</b> <b>R6172/RNT</b>	34 31.6	7 7	126.2 126	E E	45° 45°

## INFINITI DIESEL

2015	4	Q30 1.5 d <b>Eng. OM607</b> 1461 cc.	76	13201-1680R 13201-00Q0G 13202-4905R	IN EX	<b>R6185/S</b> <b>R6186/BM</b>	33.5 29	6 6	100.95 100.75	I I	45° 45°
2015 2013 2016	4	Q30 2.2 d 16V Q50 2.2 d 16V QX30 2.2 d 16V <b>Eng. OM651</b> 2143 cc.	83	13201-HG00C 13202-HG00D	IN EX	<b>R6755/SCR</b> <b>R6756/BMCR</b>	28.40 24.7	6 6	108.9 109.2	I I	45° 45°

## INTERNATIONAL HARVESTER

1953/63	2	Tractor D214 - S - D215 <b>Eng. DD66</b> 1088 cc.	82.55	713384R2 713385R2	IN EX	<b>R3711/S</b> <b>R3712/S</b>	36 32	8.7 8.7	147.7 147.5	D D	45° 45°
	3	Tractor D320 - D322 <b>Eng. DD99</b> 1631 cc.									
	4	Tractor D430 - 432 <b>Eng. DD132</b> 2175 CC.									
	2	Tractor D217 - D219 <b>Eng. DD74</b> 1217 cc.	87.31								
	3	Tractor D323 - D324 D326 <b>Eng. DD111</b> 1825 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
MDO - 50523	<b>G3217</b>	IN	71	8	13.11	G	L-X
MDO - 50527	<b>G3218</b>	EX	74	8	13.11	G	L-X-U
22114-42000	<b>G11327</b>	IN	71	8.00	13.07	G	L-X
22115-42000	<b>G11328</b>	EX	74	8.00	13.07	G	L-X-U
22114-42000	<b>G11327</b>	IN	71	8.00	13.07	G	L-X
22115-42000	<b>G11328</b>	EX	74	8.00	13.07	G	L-X-U
22114-42000	<b>G11327</b>	IN	71	8.00	13.07	G	L-X
22115-42000	<b>G11328</b>	EX	74	8.00	13.07	G	L-X-U
OK551-10-281	<b>G11483</b>	IN/EX	52.7	7	12.05	G	C.I.-U
	<b>G11308</b> <b>G11309</b>	IN/EX	40.5	6	11.07 11.12	B	L
13213-HG00A	<b>G3578</b> <b>G3579</b> <b>G3580</b>	IN	37.5	6	12.57 12.62 12.77	G	C.I.
3044492R1	<b>G2721</b>	IN	82.5	8.74	14.31	G	C.I.
3044493R1	<b>G2722</b>	EX	76	8.72	14.31	G	C.I.-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
24531-4X100 OK55112130	<b>RA06-973</b>	
	<b>PI 06-0048</b> <b>RA06-958</b>	I


 NOTE  
remarks

HYUNDAI DIESEL

INFINITI DIESEL

INTERNATIONAL HARVESTER

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1965	3	Tractor D523 - 633 <b>Eng. D179</b> 2933 cc.	98.42	3055055R2 3055056R2	IN EX	<b>R3513/S</b> <b>R3514/BM</b>	43 41	10 10	146 146	E E	45° 45°
1965	4	Tractor SU 644 HD <b>Eng. D239</b>									
1972	4	Tractor 856 XL <b>Eng. TD 239 Turbo</b> 3910 cc.									
1965	6	Tractor 520A - 946A <b>Eng. D358</b> 5860 cc.									
1972	6	Tractor 125E - 520B <b>Eng. TD 358 Turbo</b> 5860 cc.									

## ISUZU

1989	4	Impulse <b>Eng. 4ZD1</b> 2254 cc.	89.3	894174221 894174222 894447025	IN	<b>R6245/SNT</b>	44.1	8	108.6	M	45°
		Trooper II <b>Eng. 4ZE1</b> 2559 cc.	92.6	894174223 894447026	EX	<b>R6246/RNT</b>	37	8	108.1	M	45°
	4	NPR <b>Eng. 4HE1 TC</b> 4751 cc.	110	8970338641 8970338642 8970604150 8970193370 8972195092 8971891140	IN EX	<b>R6793/SCR</b> <b>R6794/RCR</b>	50 42	9 9	140.9 140.2	S S	45° 45°





## ISUZU DIESEL

1984	4	Chevrolet Spectrum Gemini D <b>Eng. 4EC1</b> 1488 cc.	76	8943268430 8941100173 8941150592	IN EX EX	<b>R4546/SCR</b> <b>R4547/RCR</b> <b>R4548/RARCR</b>	34.6 30.6 30.6	7 7 7	104.1 104 104	E E E	45° 45° 45°
		Gemini TD <b>Eng. 4EC1 Turbo</b> 1488 cc.									



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1980	4	Florian SII - Journey S Fester Rodeo <b>Eng. C190</b> 1951 cc.	86	5125510280 5125520340	IN EX	<b>R4534/S</b> <b>R4535/RCR</b>	40 34	8 8	115.8 115.8	EE EE	45° 45°
1969		Elf 150 - 250 TLD <b>Eng. C240</b> 2369 cc.									
1979	4	Luv - Truck Rodeo Bighorn Trooper 4x4 <b>Eng. C223</b> 1951 cc.	88								
1988/92	4	Trooper TD <b>Eng. 4JBIT</b> 2771 cc.	93	8-94547-875-1 8-94133-275-1	IN EX	<b>R6235/SNT</b> <b>R6236/RNT</b>	40.1 35.5	8 8	118 118	EE EE	45° 45°
1998	V6	Trooper 3.2 V6 24V <b>Eng. 6VD1</b> 3165 cc.	97	641049 97131961 641360 97131962	IN EX	<b>R6345/SNT</b> <b>R6346/RNT</b>	34 29	6 6	103.8 103.5	S S	45° 45°
1973	4	Elf 250 <b>Eng. 4BA1</b> 2775 cc.	98								
	6	<b>Eng. D500</b> 4978 cc.									
	4	Elf 250 <b>Eng. 4BC1</b> 3268 CC.									
	6	<b>Eng. 6BD1</b> 5785 cc.									
1973	4	Elf 350 <b>Eng. 4BB1</b> 3595 cc.	102								
1979	6	<b>Eng. 6BF1</b> 6130 cc.	105								
2001	4	Trooper 30.TD <b>Eng. KJX1</b> 3000 cc.		8971371540 8971371551	IN EX	<b>R6201/SNT</b> <b>R6202/RNT</b>	33 33	7 7	98.2 98.1	S S	45° 45°
2007 <b>NEW</b>	4	D-Max 3.0 D <b>Eng. 4JJ1-TC</b> <b>Eng. 4JJ1-TCS</b> <b>Eng. 4JJ1-X</b> 2999 cc.	95.4	8980169730 8973096751 8980169741 8973096771	IN EX	<b>R6782/SCR</b> <b>R6783/RCR</b>	33 30	7 7	107.5 107.3	S S	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
5-11721-016-0	<b>G3563</b>	IN/EX	50	8	14.04	G	C.I.
5-11721-001	<b>G3562</b>	IN/EX	60	9	14.04	G	L

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ROCKER ARMS**



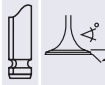
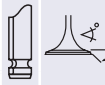
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE  
remarks**

ISUZU DIESEL	

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2005	4	Daily 2.3 Unijet 16V <b>Eng. F1AE481B</b> 2287 cc.	88	504069199 500362856	IN EX	<b>R6339/SCR</b> <b>R6340/BMCR</b>	30	6	120.4	I	45°
							30	6	120.35	I	45°
1979	4	Combi-Daily-Grinta 2.5 D <b>Eng. 8140.61</b> <b>Up to eng. N. 20125</b> 2445 cc.	93	4733348 4733349	IN EX	<b>R4504/BMNT</b> <b>R3597/BMNT</b>	40.9	8	121.9	EE	30°
							32.9	8	122	EE	45°
1979	4	Combi-Daily-Grinta 2.5 D <b>Eng. 8140.61</b> <b>From eng. N. 161918</b> <b>Up to eng. N. 452000</b> 2445 cc.	93	4757358 4733349	IN EX	<b>R3642/BMNT</b> <b>R3597/BMNT</b>	41	8	120.9	EE	30°
							32.9	8	122	EE	45°
1978	4	Daily - Ducato - Grinta <b>Eng. 8144.61</b> 2445 cc.	93	4733348 4757358 4733349	IN IN EX	<b>R4504/BMNT</b> <b>R3642/BMNT</b> <b>R3597/BMNT</b>	40.9	8	121.9	EE	30°
							41	8	120.9	EE	30°
							32.9	8	122	EE	45°
1986	4	Daily 2.5 TD id 35/40/45/49.10 A40/45.10 <b>Eng. 8140.21 Turbo</b> 2445 cc.	93	7301820 7301821	IN EX	<b>R3989/RNT</b> <b>R3990/RCR</b>	41	8	120.7	EE	30°
1989	New Daily 2.5 TD 35/45/49.10 A40/45/49.10 <b>Eng. 8140.27R Turbo</b> <b>Eng. 8140.27A Turbo</b>	34.5					8	122	EE	45°	
1990/94	4	40.10 2.5 TD 4X4 <b>Eng. 8140.27 Turbo</b>									
1990	4	Turbodaily 2.5 TD 35/49/59.12 A45.12 <b>Eng. 8140.47 Turbo</b>									
1990	4	New Daily 2.5 TD 35/49.10 <b>Eng. 8140.47B/R Turbo</b> <b>Eng. 8140.47S Turbo</b> 2499 cc.									
1979	4	Combi-Daily-Grinta 2.5 D <b>Eng. 8140.61</b> <b>From eng. N. 452001</b> 2445 cc.									
	4	New Daily 2.5 TD <b>Eng. 8140.97 Turbo</b> 2499 cc.	93	7301820 7302157	IN EX	<b>R3989/RNT</b> <b>R3991/RCR</b>	41 34.5	8 8	120.7 122	EE EE	30° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape					
			L	d	D							
504053804	<b>G11388</b>	IN/EX	49	6	10.05	G	L					
	<b>G11389</b>				10.10							
	<b>G11390</b>				10.15							
	<b>G11391</b>				10.20							
	<b>G11587</b>				10.05							
4749395 4749397 4726483 4733258	<b>G2713</b>	IN	56	8.03	13.03	G	C.I.					
	<b>G2834</b>				13.08							
	<b>G2269</b>				EX			60	8.03	13.03	G	L
	<b>G2270</b>									13.08		
4749395 4749397 4726483 4733258	<b>G2713</b>	IN	56	8.03	13.03	G	C.I.					
	<b>G2834</b>				13.08							
	<b>G2269</b>				EX			60	8.03	13.03	G	L
	<b>G2270</b>									13.08		
4749395 4749397 4726483 4733258	<b>G2713</b>	IN	56	8.03	13.03	G	C.I.					
	<b>G2834</b>				13.08							
	<b>G2269</b>				EX			60	8.03	13.03	G	L
	<b>G2270</b>									13.08		
4749395 4749397	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.					

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
504074464 504014269	<b>PI 06-0008</b> <b>RA06-916</b>	I
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M


**NOTE**  
remarks





**RA06-916**  
L66X19.5R22.83

**G11587**  
VERSIONE BRONZO

**IVECO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1989	4	New Daily 2.5 D A40.8 Bus 2.5 D <b>Eng. 8140.07</b> 2499 cc. Aspirato	93	4813760 7303309	IN EX	<b>R4684/BMNT</b> <b>R4685/BMNT</b>	41 34.5	8 8	121.9 121.9	EE EE	30° 45°
1996	4	New Daily 2.5 D <b>Eng. 8140.67F</b> 2499 cc.	93	98468338 98418161	IN EX	<b>R4762/BMCR</b> <b>R4715/BMCR</b>	43.5 36.7	8 8	122 122	EE EE	30° 45°
1996	4	Daily 2.8 TD Intercooler <b>Up to eng. N. 3456314</b> 2499 cc.	93	98468338 99432837	IN EX	<b>R4762/BMCR</b> <b>R4887/BMCR</b>	43.5 36	8 8	122 122	EE EE	30° 45°
1996	4	New Daily 2.8 D <b>Up to eng. N. 2613437</b> <b>Eng. 8140.63</b> 2798 cc.	94.4	98468338 98418161	IN EX	<b>R4762/BMCR</b> <b>R4715/BMCR</b>	43.5 36.7	8 8	122 122	EE EE	30° 45°
1996	4	New Daily 2.8 D <b>From eng. N. 2613438</b> <b>Eng. 8140.63</b> 2798 cc.	94.4	98468338 99432837	IN EX	<b>R4762/BMCR</b> <b>R4887/BMCR</b>	43.5 36	8 8	122 122	EE EE	30° 45°
1996	4	Turbo Daily 2.8 TD id 30/35/40/49.10 A40/45/49.10 <b>Eng. 8140.23 Turbo</b>	94.4	7301820 99432837	IN EX	<b>R3989/RNT</b> <b>R4887/BMCR</b>	41 36	8 8	120.7 122	EE EE	30° 45°
1996	Daily 2.8 TD Intercooler 35/49/59.12 A35/40/45.12 <b>Eng. 8140.43 Turbo</b>										
1999	Daily 2.8 TD Intercooler <b>Eng. 8140.43B/C</b> <b>Eng. 8140.43K Turbo</b> <b>Eng. 8140.43N Turbo</b> <b>Eng. 8140.43R Turbo</b> <b>Eng. 8140.43S Turbo</b> 2798 cc.										
2005	4	Daily 3.0 Unijet 16V <b>Eng. F1CE0481A</b> 2998 cc.	95.8	504072531 504081062	IN EX	<b>R6368/SCR</b> <b>R6369/BMCR</b>	32.4 32.4	6 6	120 119.95	I I	30° 30°
1958/69	4	314 - 414 - 416 645N - 650E - 650N-662 C145N - C40/50 4678 cc.	95	4550817 4550818	IN/D EX	<b>R1484/NNT</b> <b>R1485/RNT</b>	40.5 36.5	9 9	131 131	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4749395 4749397 4726483 4733258	<b>G2713</b> <b>G2834</b> <b>G2269</b> <b>G2270</b>	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L
4749395 4749397	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
4749395 4749397	<b>G2713</b> <b>G2834</b> <b>G11568</b>	IN/EX IN/EX	56 56	8.03 8.03	13.03 13.08 13.03	G B	C.I. C.I.
4749395 4749397	<b>G2713</b> <b>G2834</b> <b>G11568</b>	IN/EX IN/EX	56 56	8.03 8.03	13.03 13.08 13.03	G B	C.I. C.I.
4749395 4749397	<b>G2713</b> <b>G2834</b> <b>G11568</b>	IN/EX IN/EX	56 56	8.03 8.03	13.03 13.08 13.03	G B	C.I. C.I.
500388426 504053804	<b>G11388</b> <b>G11389</b> <b>G11390</b> <b>G11391</b> <b>G11587</b>	IN/EX IN/EX	49 49	6 6	10.05 10.10 10.15 10.20 10.05	G B	L L
561288 561289	<b>G2303</b> <b>G2305</b>	IN EX	59 69	9.03 9.03	15.03 15.03	G G	L L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
4733350	<b>PI 03-101</b>	M
	<b>PI 06-0008</b> <b>RA06-916</b>	I


**NOTE**  
remarks

**RA06-916**  
L66X19.5R22.83  
**G11587**  
VERSIONE BRONZO

**IVECO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1968/85	3/4 6	100 - 100EC/NC	95	4659379	IN/D	<b>R3298/NNT</b>	44	8	125.5	E	45°
		109.14 - 110NC	100	1902205							
		120.13 - 314/3 Bus	103	4673608	EX	<b>R3440/RNT</b>	37	8	125.5	E	45°
		314 - 414 - 416 Bus									
		315/316.13									
		50/55/60.8 - 50/55NC		Spessore testa	IN/D	<b>R4630/NNT</b>	44	8	125.5	E	45°
		612NE - 616N2		maggiorato	EX	<b>R4101/RNT</b>	37	8	125.5	E	45°
		616N2/N4 - 616N3		1 mm							
		625N1/N2 - 625N3									
		645N1/N2/N3									
65NC/PC											
650N1/N2/N3											
655N/N1											
662N1/N2/N3											
672N/N2											
80NC - 90NC											
A90.13 Bus											
OM100/110N											
OM40 NC											
		<b>Eng. 8030.01 - 8040.01</b>									
		<b>Eng. 8060.01 - 8030.02</b>									
		<b>Eng. 8040.02 - 8060.02</b>									
		<b>Eng. 8060.12 - 8040.04</b>									
		<b>Eng. 8060.04</b>									
2000	4	Eurocargo 65/75 E 13/15	102	4895052	IN	<b>R6500/SCR</b>	33	7	124.6	EE	30°
		Eurocargo 75/80/90/100 E 17		4895051	EX	<b>R6501/BMCR</b>	33	7	124.2	EE	45°
		<b>Eng. F4AE 0481</b>									
		3920 cc.									
2000	4	Engine Tector NEF45 16V	104	4895052	IN	<b>R6500/SCR</b>	33	7	124.6	EE	30°
		4485 cc.		4895051	EX	<b>R6501/BMCR</b>	33	7	124.2	EE	45°
2000	6	Eurocargo 75/80/90/100 E18	102	4895052	IN	<b>R6500/SCR</b>	33	7	124.6	EE	30°
		Eurocargo 120/130/140 E18		4895051	EX	<b>R6501/BMCR</b>	33	7	124.2	EE	45°
		Eurocargo 80/90/100/180 E21									
		Eurocargo 120/130/140 E24/28									
		Eurocargo 150/180/320 E24/28									
		<b>Eng. F4AE 0681</b>									
		5880 cc.									
1983	6	115/135.17 Turbo	103	4802204	IN/D	<b>R4540/NNT</b>	44.5	8	125.6	E	30°
		315.17 Bus		4658055	EX	<b>R4541/BMNT</b>	37	8	125.7	E	45°
		<b>Eng. 8060.24</b>		4673608							
		5496 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4802126	<b>G3396</b> <b>G3397</b> <b>G3398</b>	IN/EX	56	8.03	14.02 14.05 14.15	G	L
4601299	<b>G2295</b> <b>G2296</b> <b>G2297</b>	IN/EX	49	8.03	14.03 14.08 14.13	G	L
4601300	<b>G2852</b>				14.23		
4648421	<b>G2298</b> <b>G2299</b> <b>G2300</b>	IN	56	8.03	14.04 14.09 14.14	G	L
4684422	<b>G2854</b> <b>G2855</b> <b>G2856</b>	EX	56	8.03	14.04 14.09 14.14	G	L
	<b>G11489</b> <b>G11500</b>	IN/EX	50	7.01	13.05 13.09	G	L
	<b>G11489</b> <b>G11500</b>	IN/EX	50	7.01	13.05 13.09	G	L
	<b>G11489</b> <b>G11500</b>	IN/EX	50	7.01	13.05 13.09	G	L
4802126	<b>G3396</b> <b>G3397</b> <b>G3398</b>	IN/EX	56	8.03	14.02 14.05 14.15	G	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	<b>PI 03-106</b>	M


**NOTE  
remarks**
**IVECO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1987	6	79.14 - 115.14 <b>Eng. 8060.05</b> 79.17 - 115.17 <b>Eng. 8060.25 Turbo</b> 5862 cc.	104	99432652 1904656 4824416 4784888 4803805	IN	<b>R4232/SNT</b>	45.5	8	125.5	E	30°
1990	4	65E14 Eurocargo 75E14 Eurocargo <b>Eng. 8040.45 Turbo</b> 3908 cc.		1908408 99432717 99432718 4784889	EX	<b>R4233/RNT</b>	37.5	8	125.5	E	45°
1990	6	80E15/18 Eurocargo 100E15/18 Eurocargo <b>Eng. 8060.25 Turbo</b> 5861 cc.		4784890 1904655 1904654 4806717							
1991	4/6	75E14 Eurocargo <b>Eng. 8040.45 Turbo</b> 3908 cc.		1908409							
1991	4/6	80E21 - 100E21 <b>Eng. 8060.45 Turbo</b> 5861 cc.									
1987	4	40NC - 50NC - 55NC <b>Eng. 8040.05</b> 3908 cc. 60.11 - 79.12 Turbozeta <b>Eng. 8040.25.200</b> 60E10 - 65E10 - 65E12 75E12 <b>Eng. 8040.25 B4200</b> 3908 cc.	104	99432652 1904656 4824416 4784888 4803805 1908408 99432717 99432718 4784889	IN      EX	<b>R4232/SNT</b>    <b>R4233/RNT</b>	45.5      37.5	8      8	125.5      125.5	E      E	30°      45°
1990	6	Eurocargo 120/130E23 <b>Eng. 8060.45S- Turbo</b> 5861 cc.	104	98497235 99433902	IN EX	<b>R6264/SCR</b> <b>R6265/BMCR</b>	46 38.3	9 9	141.2 141.2	E E	30° 45°
	6	<b>Engine Tector NEF67 24V</b> 6728 cc.	104	4895052 4895051	IN EX	<b>R6500/SCR</b> <b>R6501/BMCR</b>	33 33	7 7	124.6 124.2	EE EE	30° 45°
	6	<b>Engine Tector NEF67 12V</b> 6728 cc.	104	4895187 4895188	IN EX	<b>R4958/SCR</b> <b>R4959/BMCR</b>	45 42	8 8	129.2 129	EE EE	30° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4802126	<b>G3396</b> <b>G3397</b> <b>G3398</b>	IN/EX	56	8.03	14.02 14.05 14.15	G	L
	<b>G11497</b> <b>G11498</b>	IN/EX	56	8.03	14.02 14.05	G	L-U
4802126	<b>G3396</b> <b>G3397</b> <b>G3398</b>	IN/EX	56	8.03	14.02 14.05 14.15	G	L
	<b>G11497</b> <b>G11498</b>	IN/EX	56	8.03	14.02 14.05	G	L-U
98435241EZ	<b>G11100</b> <b>G11072</b>	IN	81	9.02	15.02 15.07	G	C.I.
98474643EZ	<b>G11074*</b> <b>G11075</b>	EX	70	9.02	15.02 15.07	G	C.I.
	<b>G11083*</b>	IN/EX	70	9.02	15.02	G	C.I.
	<b>G11489</b> <b>G11500</b>	IN/EX	50	7.01	13.05 13.09	G	L
500391440	<b>G11407</b> <b>G11408</b>	IN	75.5	8.02	13.03 13.08	G	C.I.
500391436	<b>G11409</b> <b>G11410</b>	EX	75.5	8.02	13.03 13.08	G	C.I.-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
98471524	<b>PI 03-106</b>	M
98471524	<b>PI 03-106</b>	M


**NOTE  
remarks**

C.I.  
\***G11074** Ø 12  
C.I.  
\***G11083** Ø 13

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1966	4	Leoncino A15 Cerbiatto Tigrotto 50/55/65/75 OM80/90/100/110 <b>Eng. C03</b> 4940 cc.	110	8823545 8823544 8823549	IN/D EX	<b>R3329/NNT</b> <b>R3330/SNT</b>	43 36.5	8 8	138 138	E E	45° 45°
1968	6	673N/NR/T - 130 R/T OM 100/120/130 <b>Eng. CP3</b> 7410 cc.									
1991	6	150/180E27R Eurocargo <b>Eng. 8360.46 Turbo</b> 490E2 - 523/590E2 Bus 370SE Cityclass 22/27 180/190E24 Eurotech <b>Eng. 8360.46B/R/V Turbo</b> Europolis 200E.10.20 <b>Eng. 8360SCR22A00 Turbo</b> 7685 cc.	112	98497241 99438924 1908427 4860107	IN EX	<b>R4892/SCR</b> <b>R4893/BMCR</b>	47 42.5	9 9	142 142.3	E E	25° 45°
1977	4	50/55/60/65/70/79 <b>Eng. 8340.04</b> 4570 cc. A70.12 <b>Eng. 8340.05</b> 5400 cc.	115	8824754 4821709 8825776 8830045	IN/D EX	<b>R3438/SNT</b> <b>R3439/SNT</b>	48.5 41	8 8	137.5 137.5	E E	45° 45°
	6	150NC17 - 150NR/NT 159NC17 <b>Eng. 8360.03</b> 8100 cc. 120/140/150 <b>Eng. 8360.04</b> 8102 cc. 120/150/159 <b>Eng. 8360.05</b> 8102 cc.									
1979											
	6	Tector <b>Eng. F4AE681A/E 24V</b> 5880 cc.	115	4895052 4895051	IN EX	<b>R6500/SCR</b> <b>R6501/BMCR</b>	33 33	7 7	124.6 124.2	EE EE	30° 45°
2012	6	Stralis Hi-Way Curson 9 24V <b>Eng. F2CE0681A</b> F2CE0682A-F2CE0683A F2CE0684A-F2CFE611/310 F2CFE611/330-F2CFE611/360 F2CFE611/400 8707 cc.	117	99456803 500354685 504042365 500354682 99457210 500354687 504042363 504078215	IN EX	<b>R6266/SCR</b> <b>R6267/BMCR</b>	40 39	8 8	174.5 173.3	E E	30° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4758794 4758795 4758796 4758798	<b>G2365</b> <b>G2366</b> <b>G2367</b> <b>G2368</b> <b>G2369</b> <b>G2370</b>	IN   EX	55   62	8   8	14.05 14.10 14.15 14.05 14.10 14.15	G   G	C.I.   L
4861816  4861818 4861811  4861813	<b>G11077</b> <b>G11078</b> <b>G11079</b> <b>G11080</b> <b>G11081</b> <b>G11082</b>	IN   EX	62   57	9.02   9.02	16.05 16.10 16.25 16.05 16.10 16.25	G   G	L   C.I.
4758794 4758795 4758796 4758798	<b>G2365</b> <b>G2366</b> <b>G2367</b> <b>G2368</b> <b>G2369</b> <b>G2370</b>	IN   EX	55   62	8   8	14.05 14.10 14.15 14.05 14.10 14.15	G   G	C.I.   L
	<b>G11489</b> <b>G11500</b>	IN/EX	50	7.01	13.05 13.09	G	L
500391440  500391436	<b>G11407</b> <b>G11408</b> <b>G11409</b> <b>G11410</b>  <b>G11626</b> <b>G11627</b>	IN   EX  IN EX	75.5   75.5  75.5 75.5	8.02   8.02  8.02 8.02	13.03 13.08 13.03 13.08  13.03 13.03	G   G  B B	C.I.   C.I.-U  C.I. C.I.-U





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4753580	<b>PI 03-107</b>	M
4753580	<b>PI 03-107</b>	M


**NOTE  
remarks**
**IVECO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	6	Euromover 190/260 E24 Eurotech 190/260/440 E 31 Eurotech 190/260/400 E 35 Cursor 8 24V <b>Eng. F2BE0681/0682</b> 7790 cc.	115	99456803 500354685 504042365 500354682 99457210 500354687 504042363 504078215	IN          EX	<b>R6266/SCR</b>     <b>R6267/BMCR</b>	40	8	174.5	E	30°
							39	8	173.3	E	45°
1986 1987	6	175.24.00 190.32 GV-TRU 220-260.32 TRU <b>Eng. 8460.21.202</b>	120	61320722 61316814 61318428 61320865 61321255 61315973	IN      EX	<b>R4772/BMCR</b>     <b>R4773/BMCR</b>	49.5	9	147.3	EE	30°
1991							43	9	146	EE	45°
1991							400E 38 440E 38 Eurotec 240E 38 Eurotec 8460.41.320 9500 cc.				
1986	6	175.24RSU - 370S24 190/240.24 Turbotech 480/580/680 Turbocity <b>Eng. 8460.21</b> <b>Eng. 8460.21B</b>	120	61320722 61316814 61318428 61321255 61315973	IN    EX	<b>R4772/BMCR</b>   <b>R4773/BMCR</b>	49.5	9	147.3	EE	30°
1987							43	9	146	EE	45°
1990							190/220/260.32 Turbotech 190/240.32GV Turbotech 370 SE Eoroclass 29/35 <b>Eng. 8460.41</b> Eurotech/Eurotrakker 180/190/240/260/400E30 <b>Eng. 8460.41C</b> Turbocity 480 <b>Eng. 8460.41D/E</b> 9500 cc.				

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
500391440	<b>G11407</b>	IN	75.5	8.02	13.03	G	C.I.
500391436	<b>G11408</b>	EX	75.5	8.02	13.08	G	C.I.-U
	<b>G11409</b>				13.03		
	<b>G11410</b>	IN	75.5	8.02	13.03	B	C.I.
	<b>G11626</b>				13.08		
	<b>G11627</b>	EX	75.5	8.02	13.03	B	C.I.-U
61585072	<b>G3228</b> <b>G3229</b>	IN/EX	67	9	16.05 16.10	G	L
61585072	<b>G3228</b> <b>G3229</b>	IN/EX	67	9	16.05 16.10	G	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE  
remarks**
**IVECO**



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
61585072	<b>G3228</b> <b>G3229</b>	IN/EX	67	9	16.05 16.10	G	L
4647838	<b>G2353</b> <b>G2354</b>	IN	80	10.03	17.03 17.08	G	L
4647842	<b>G2356</b> <b>G2357</b>	EX	70	10.03	17.03 17.08	G	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	<b>PI 03-109*</b>	M


**NOTE  
remarks**

**\*PI 03-109** only eng.  
Ø 122

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1975	6	130/150.20NC/NR/NT 140.20 - 150N/R20 159/170.20/NC 190 - 190.20 <b>Eng. 8220.02 X200</b> 370/470.20 Bus 470/570.20 670.20 Bus S-U Effeuno <b>Eng. 8220.12</b>	125	61584588 61583970E 61579364 61584589 61583972E 61579824	IN     EX	<b>R3665/SCR</b>     <b>R3666/BMCR</b>	53.5     46	9     9	141.5     141.5	E     E	30°     45°
1982		165.24/R - 180.24 370/470/671.24 Bus Inbus AS 250 - I 120 U Effeuno Turbo <b>Eng. 8220.02 Turbo</b> <b>Eng. 8220.22/32Turbo</b> 9570 cc.									
1961	6	682 N1/N2/N3/N4 682T/T2/RN2 690 N1/N2/T1/T2 303 - 306 Bus 405 - 410 - 411 Bus <b>Eng. 203 - 203H - 310H</b> 10676 - 11548 cc.	125 130	4535358 4535359 4632840	IN EX EX	<b>R1378/SNT</b> <b>R1379/SNT</b> <b>R1478/BMNT</b>	56 49 49	11 11 11	166.5 166.5 166.5	E E E	45° 45° 45°
2000	6	Eurostar/Eurotech 190/260 Eurostar/Eurotech 440E40/43 Stralis 260/440 4 40/43 Cursor 10 24V <b>Eng. F3AE0681DA/AE</b> 10300 cc.	125	500355776 500355779	IN EX	<b>R6268/BMCR</b> <b>R6269/BMCR</b>	43 42	9 9	202.9 201.6	E E	30° 45°
1963	6	619/683 N/T 690N3/T3 693 N/N1/T/T1/NB/NP <b>Eng. 221.000</b> 12883 cc.	135	4580688 4632840	IN EX	<b>R3251/SNT</b> <b>R1478/BMNT</b>	58 49	11 11	166.5 166.5	E E	45° 45°
2000	6	Eurotrækker <b>Eng. F3B3681B Cursor 13</b> 12900 cc.	135	500355778 500355780 504080352	IN EX	<b>R6270/SCR</b> <b>R6271/BMCR</b>	47 46	10 10	199.3 198.1	E E	30° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
61585072	<b>G3228</b> <b>G3229</b>	IN/EX	67	9	16.05 16.10	G	L
978966	<b>G2319</b> <b>G2320</b>	IN/EX	86	11.03	19.03 19.08	G	F
500391479 500391476	<b>G11338</b> <b>G11339</b>	IN EX	97 97	9.02 9.02	15.04 15.04	G G	C.I. C.I.-U
4630627 4647763	<b>G2337</b> <b>G2338</b> <b>G2340</b> <b>G2341</b>	IN EX	86 76	11.03 11.03	18.03 18.08 18.03 18.08	G G	L L
500390993 500390994	<b>G11340</b> <b>G11341</b>	IN EX	97 97	10.02 10.02	16.03 16.03	G G	C.I. C.I.-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	<b>PI 03-109</b>	M


**NOTE**  
remarks

**IVECO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1972/81	6	160/170/180/240 170NC - 180N/NC/NT 190NC - 190/260.26 300 - 320 - 330.26.30 370.26 Bus 421A/AL Bus 619N1/T1/N1P/T1P 690N4/T4 691 N/T/S 697 N/T/NP <b>Eng. 8241.02 - 8210.12</b> 13797 cc.	137	4683025 4683026	IN EX	<b>R3473/XBNT</b> <b>R3474/BMCR</b>	59	11	170	E	45°
							49	11	170	E	45°
1981	6	Turbostar 190.33 Turbotech 190.30 <b>Up to eng. N. 259269</b> <b>Eng. 8210.22</b> 13797 cc.	137	4849522 4673862 4673861	IN EX	<b>R4262/BMNT*</b> <b>R4263/BMCR*</b>	57.5	11	170	E	30°
							48	11	170	E	45°
1981	6	Turbostar 190.33 Turbotech 190.30 <b>From eng. N. 258269</b> <b>Up to eng. N. 298108</b> <b>Eng. 8210.22</b> <b>Eng. 8210.22X</b> 13797 cc.	137	98478407 98474603 4673861	IN EX	<b>R6325/SCR*</b> <b>R4263/BMCR*</b>	57.5	11	170	E	30°
							48	11	170	E	45°
1981	6	Turbostar 190.33 Turbotech 190.30 <b>From eng. N. 298109</b> <b>Eng. 8210.22</b> 13797 cc. 370S30 <b>From eng. N. 298109</b> <b>Eng. 8210.22X</b> 13797 cc.	137	98478407 98497025 98474604 98497026	IN EX	<b>R6325/SCR*</b> <b>R6326/BMCR*</b>	57.5	11	170	E	30°
							48	11	170	E	45°
1981	6	Eurotrakker 190/380 Eurotrakker 400/720E31 <b>Eng. 8210.22V</b> 13798 cc.	137	4849522 4673862 4673861	IN EX	<b>R4262/BMNT*</b> <b>R4263/BMCR*</b>	57.5	11	170	E	30°
							48	11	170	E	45°
1992	6	Turbostar/Turbotech 190/220/240/260.36 330.36H <b>Eng. 8210.42</b> <b>Eng. 8210.42R</b> <b>Up to eng. N. 258269</b> 13798 cc.	137	4849522 4673862 4673861	IN EX	<b>R4262/BMNT*</b> <b>R4263/BMCR*</b>	57.5	11	170	E	30°
							48	11	170	E	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4630627	<b>G2337</b>	IN	86	11.03	18.03	G	L
4647763	<b>G2338</b> <b>G2340</b> <b>G2341</b>	EX	76	11.03	18.03 18.08	G	L
4630923	<b>G2343</b>	IN	86	11.03	18.03	G	L
4648237	<b>G2344</b> <b>G2346</b> <b>G2347</b>	EX	76	11.03	18.03 18.08	G	L
4630923	<b>G2343</b>	IN	86	11.03	18.03	G	L
4648237	<b>G2344</b> <b>G2346</b> <b>G2347</b>	EX	76	11.03	18.03 18.08	G	L
4630923	<b>G2343</b>	IN	86	11.03	18.03	G	L
4648237	<b>G2344</b> <b>G2346</b> <b>G2347</b>	EX	76	11.03	18.03 18.08	G	L
4630923	<b>G2343</b>	IN	86	11.03	18.03	G	L
4648237	<b>G2344</b> <b>G2346</b> <b>G2347</b>	EX	76	11.03	18.03 18.08	G	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	<b>PI 03-109</b>	M
99432644	<b>PI 03-109</b>	M
99432644	<b>PI 03-109</b>	M
99432644	<b>PI 03-109</b>	M
99432644	<b>PI 03-109</b>	M






**NOTE  
remarks**

	<b>R4262/BMNT- R4263/BMCR</b>	Retainer stem end 7.5 mm
	<b>R6325/SCR</b>	Retainer stem end 10.5 mm
	<b>R4263/BMNT</b>	Retainer stem end 7.5 mm
	<b>R6325/SCR</b>	
	<b>R6326/BMCR</b>	Retainer stem end 10.5 mm
	<b>R4262/BMNT- R4263/BMCR</b>	Retainer stem end 7.5 mm

**IVECO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1992	6	Turbostar/Turbotech 190/220/240/260.36 <b>From eng. N. 258269</b> <b>Up to eng. N. 298108</b> 330.36H <b>From eng. N. 258270</b> <b>Eng. 8210.42</b> 13798 cc.	137	98478407	IN	<b>R6325/SCR*</b>	57.5	11	170	E	30°
				98474603 4673861	EX	<b>R4263/BMCR*</b>	48	11	170	E	45°
	6	Eurotech 180/190/240/260 Eurotech 400/440E2 Eurostar 190/240/260 Eurostar 400/440E2 Eurotrakker 190/260/340/380 330.36H <b>Up to eng. N. 298108</b> <b>Eng. 8210.42L/TCA</b> <b>Eng. 8210.42K</b> 13798 cc.	137	98478407	IN	<b>R6325/SCR*</b>	57.5	11	170	E	30°
				98474603 4673861	EX	<b>R4263/BMCR*</b>	48	11	170	E	45°
1992	6	Turbotech/Turbostar 190/220/240/260.36 <b>From eng. N. 298109</b> <b>Eng. 8210.42</b> Eurotech 180/190/240/260 Eurotech 400/440E2 Eurostar 190/240/260 Eurostar 400/440E2 Eurotrakker 190/260/340/380 <b>From eng. N. 298109</b> <b>Eng. 8210.42L/TCA</b> 330.36 H <b>From eng. N. 298109</b> <b>Eng. 8210.42K</b> 13798 cc.	137	98478407	IN	<b>R6325/SCR*</b>	57.5	11	170	E	30°
				98474603 98474604 98497026	EX	<b>R6326/BMCR*</b>	48	11	170	E	45°
	6	Eurostar 190/240/260 Eurostar 400/440E7 <b>Eng. 8210.42M</b> 13798 cc.	137	98478407	IN	<b>R6325/SCR*</b>	57.5	11	170	E	30°
				98474603 98474604 98497026	EX	<b>R6326/BMCR*</b>	48	11	170	E	45°
1992	6	190/440E42 Eurostar <b>Eng. 8210.42</b> 13798 cc.	137	4695850	IN	<b>R4838/SCR</b>	59	11	170	E	45°
				98480846 98479276 99452179	EX	<b>R4839/BMCR</b>	49	11	170	E	45°
1976	6	370 FL - BUS 370.25 <b>Eng. 8260.02 24V</b> 12876 cc.	145	4776446	IN	<b>R3519/SNT</b>	51	10	156.5	E	30°
				4697720 4704215	EX	<b>R3520/BMCR</b>	45	10	156.5	E	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4630923	<b>G2343</b>	IN	86	11.03	18.03	G	L
4648237	<b>G2344</b> <b>G2346</b> <b>G2347</b>	EX	76	11.03	18.03 18.08	G	L
4630923	<b>G2343</b>	IN	86	11.03	18.03	G	L
4648237	<b>G2344</b> <b>G2346</b> <b>G2347</b>	EX	76	11.03	18.03 18.08	G	L
4630923	<b>G2343</b>	IN	86	11.03	18.03	G	L
4648237	<b>G2344</b> <b>G2346</b> <b>G2347</b>	EX	76	11.03	18.03 18.08	G	L
4630923	<b>G2343</b>	IN	86	11.03	18.03	G	L
4648237	<b>G2344</b> <b>G2346</b> <b>G2347</b>	EX	76	11.03	18.03 18.08	G	L
4672515	<b>G2371</b>	IN/EX	67	10.03	17.03	G	L
4694449	<b>G2372</b> <b>G2877</b>				17.08 17.13		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99432644	<b>PI 03-109</b>	M
99432644	<b>PI 03-109</b>	M
99432644	<b>PI 03-109</b>	M
99432644	<b>PI 03-109</b>	M
99432644	<b>PI 03-109</b>	M
99432644	<b>PI 03-109</b>	M
99449378	<b>PI 03-108</b>	M


**NOTE**  
remarks

**R6325/SCR**  
Retainer stem end  
10.5 mm  
**R4263/BMNT**  
Retainer stem end  
7.5 mm

**R6325/SCR**  
Retainer stem end  
10.5 mm  
**R4263/BMNT**  
Retainer stem end  
7.5 mm





**R6325/CR-R6326/  
BMCR**  
Retainer stem end  
10.5 mm

**R6325/SCR-R6326/  
BMCR**  
Retainer stem end  
10.5 mm

**IVECO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1975/77	8	170 NC/NT33 190 NC33 <b>Eng. 8280.01 32V</b>	145	4776446 4697720 4704215	IN EX	<b>R3519/SNT</b> <b>R3520/BMCR</b>	51 45	10 10	156.5 156.5	E E	30° 45°
1976	8	170/190 NC/NT35 170/190/220/240/260/330 370.35 <b>Eng. 8280.02 32V</b> 17174 cc.									
1985	8	190.38 Turbostar 190.42 Turbostar 220/240.38TRU -320.45 <b>Eng. 8280.22 32V Turbo</b> 17174 cc.	145	4797715 4797186 1904657 4813201 4808415 1904658	IN EX	<b>R4260/BMNT</b> <b>R4259/BMNT</b>	51.5 45	10 10	156.5 156.5	E E	30° 45°
1992	V8	Turbostar 190/240/260.48 Eurostar 190/240/260/400 Eurostar 440E52 <b>Eng. 8080.42/S 32V Turbo</b> 17173 cc.	145	4846130 99457452 99444133 99485232 4828299	IN IN EX	<b>R4721/BMCR</b> <b>R6274/BMCR</b> <b>R4722/BMCR</b>	51.6 51.5 45	10 10 10	157.3 157.3 156	E E E	30° 25° 45°

## JAGUAR DIESEL

2007/09 2005/09 2009	V6	XF 2.7 TDV6 24V XJ 2.7 TDVI V6 24V XJ6 2.7 TDVI V6 24V <b>Eng. 7G-AJD</b> 2720 cc.	81	JD61430 JD61428	IN EX	<b>R6942/SCR</b> <b>R6943/BMCR</b>	27.8 25.20	6 6	97.10 96.40	I I	45° 45°
2009/11	V6	XF 3.0 TDV6/SDV6 24V <b>Eng. 306DT</b> 2992 cc.	84	JD61430 JD61428	IN EX	<b>R6942/SCR</b> <b>R6943/BMCR</b>	27.8 25.20	27.8 6	97.10 96.40	I I	45° 45°
2012	4	XF 2.2 TD <b>Eng. 224DT</b> 2179 cc.	85	C2S43991 C2S52057	IN EX	<b>R6595/SCR</b> <b>R6596/BMCR</b>	27.2 25	6 6	95.80 95	I I	45° 45°
2003/09	4	X-Type 2.0 d 16V <b>Eng. 6B-6G-FMBA-FMBB</b> R4-X404 1998 cc.	86	JDE1582 JDE4667	IN EX	<b>R6145/SCR</b> <b>R6146/BMCR</b>	29.8 25.8	7 7	122.2 122.2	I I	30° 45°
2003/09	4	X-Type 2.2 d 16V <b>Eng. BG-LJ46G</b> 2198 cc.	86	JDE1582 JDE4667	IN EX	<b>R6145/SCR</b> <b>R6146/BMCR</b>	29.8 25.8	7 7	122.2 122.2	I I	30° 45°

## JEEP

2018 <b>NEW</b>	3	Renegade Multiar Turbo <b>Eng. GSE T3</b> 999 cc.	70		IN EX	<b>R8005/SNT</b> <b>R8006/BMNT</b>	27.6 24.4	5 5.5	94.73 107.05	I I	45° 45°
2018 <b>NEW</b>	4	Renegade Multiar Turbo <b>Eng. GSE T4</b> 1332 cc.	70		IN EX	<b>R8005/SNT</b> <b>R8006/BMNT</b>	27.6 24.4	5 5.5	94.73 107.05	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4672515 4694449	<b>G2371</b> <b>G2372</b> <b>G2877</b>	IN/EX	67	10.03	17.03 17.08 17.13	G	L
4672515 4694449 4694450	<b>G2371</b> <b>G2372</b> <b>G2877</b> <b>G2373</b>	IN/EX	67	10.03	17.03 17.08 17.13 17.23	G	L
4672515 4694449 4694450	<b>G2371</b> <b>G2372</b> <b>G2877</b> <b>G2373</b>	IN/EX	67	10.03	17.03 17.08 17.13 17.23	G	L
	<b>G11625</b>	IN/EX	39.2	6	10.73	G	L
	<b>G11625</b>	IN/EX	39.2	6	10.73	G	L
0220.A2	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX	41.5	6	10.06 10.11	G	L
	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX	41.5	6	10.06 10.11	SM	L
	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX	41.5	6	10.06 10.11	G	L
	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX	41.5	6	10.06 10.11	SM	L
	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX	41.5	6	10.06 10.11	G	L
	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX	41.5	6	10.06 10.11	SM	L

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
99449378	<b>PI 03-108</b>	M
99449378	<b>PI 03-108</b>	M
99449378	<b>PI 03-108</b>	M
	<b>PI 06-0019</b> <b>RA06-964</b>	I
	<b>PI 06-0019</b> <b>RA06-964</b>	I
	<b>RA06-931</b> <b>RA06-932</b>	
	<b>RA06-931</b> <b>RA06-932</b>	


 NOTE  
remarks

IVECO

JAGUAR DIESEL

JEEP

**RA06-931**  
LONG VERSION

**RA06-931**  
LONG VERSION

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2014	4	Renegade 1.4 Turbo MultiAir 16V <b>Eng. 55263624</b> 1368 cc.	72	55185028 55206233	IN EX	<b>R6506/SCR</b> <b>R6589/BMARCR</b>	26.8	6	95.2	I	45°
							22.4	6	94.7	I	45°
2017 <b>NEW</b>	4	Wrangler 2.0 Turbo <b>Eng. EC1</b> 1995 cc.	84	50053551 05047741A	IN EX	<b>R8047/SNT</b> <b>R8048/BMCR</b>	31.5	5.5	106.5	I	45°
							27.5	5.5	105.9	I	45°
2006/10	4	Compass 2.4 i 16V Patriot 2.4 i 16V <b>Eng. B-ED3-ERZ</b> 2359 cc.	88	KMN187696 KK05047068AA/AB KMN183950 KK05047069AA/AB	IN EX	<b>R6811/SNT</b> <b>R6812/RNT</b>	35	5.5	113.30	S	45°
							28.96	5.5	106	S	45°

## JEEP DIESEL

2006	4	Compass 2.0 CRDI 16V Patriot 2.0 CRDI 16V <b>Eng. ECD</b> 1968 cc.	81	68001582AA 68001583AA	IN EX	<b>R6372/S</b> <b>R6373/BM</b>	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
1986	4	Cherokee 2.1 TD <b>Eng. J8S.708/712/714</b> 2068 cc.	86	7701462232 7701461339	IN EX	<b>R3639/S</b> <b>R3640/BM</b>	40	8	111.5	E	45°
							33.5	8	111.6	E	45°
2001	5	Grand Cherokee 2.7 CRD 16V <b>Eng. OM 612</b> 2686 cc.	88	05073735AA 05073738AA	IN EX	<b>R6173/SNT</b> <b>R6174/RNT</b>	30.1	7	104	S	45°
							28.4	7	104.4	S	45°
2005	V6	Cherokee 3.0 CRD V6 24V <b>Eng. OM642.982</b> 2987 cc.	88	05175396AA 05175397AA	IN EX	<b>R6473/SCR</b> <b>R6474/RCR</b>	28.5	6	102.3	I	45°
							25.4	6	102.3	I	45°
1995/99	4	Cherokee 2.5 TD Grand Cherokee 2.5 TD <b>Eng. M51-M52</b> <b>Eng. HR425-HS492</b> 2499 cc.	92	04720146 04720148	IN EX	<b>R3598/RCR</b> <b>R3599/RCR</b>	40	8	121	E	35°
							34	8	121	E	45°
2003	4	Cherokee 2.8 CRD VM Engine 2776 cc.	92	05066770AA 05066769AA	IN EX	<b>R6460/SCR</b> <b>R6461/BMCR</b>	32.4	6	109	I	45°
							30.9	6	108.3	I	45°
2007 2008 <b>NEW</b>	4	Wrangler 2.8 CRDI 16V Cherokee 2.8 CRDI 16V <b>Eng. ENS</b> 2777 cc.	94	K68027469AA K68027470AA	IN EX	<b>R6817/SCR</b> <b>R6818/BMCR</b>	31.8	6	107.6	I	45°
							29.2	6	107.8	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
73500256	<b>GS11069</b> <b>G11514*</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
		IN/EX	39.7	6.02	10.03	B	C.I.
22114-25000	<b>GS11619</b> <b>GS11620</b>	IN/EX	44	5.5	11.04	SM	L
					11.09		
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06	B	C.I.
				10.11			
7701462486	<b>G3251</b> <b>G3252</b>	IN/EX	49	8.01	13.06	B	C.I.
	<b>G11054</b> <b>G11055</b> <b>G11056</b>	IN/EX	37.6	7	12.57	G	C.I.
				12.61			
				12.76			
	<b>G11398</b> <b>G11399</b> <b>GS11398</b>	IN/EX	34.5	6	11.56	G	C.I.
				11.60			
	<b>G3126</b> <b>G3127</b>	IN/EX	55	8	14.07	SM	C.I.
				14.12			
5066773AA	<b>G11476</b>	IN/EX	44.5	6.01	11.03	G	C.I.
5066773AA	<b>G11476</b>	IN/EX	44.5	6.01	11.03	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0042</b>	
	<b>PI 06-0045</b>	
	<b>PI 06-0044</b>	
	<b>PI 06-0043</b>	
	<b>PI 06-0019</b>	



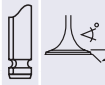
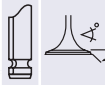

**NOTE**  
remarks

**\*G11514**  
VERSIONE BRONZO

**JEEP**
**JEEP DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1968/75	3	Tractor 820 - 920 - 1020 <b>Eng. 310/510</b> 2490 cc.	98	T20174T CDX0881 R52251	IN	<b>R3515/SCR</b>	45	9.45	131	M	45°
	4	Tractor 2020 <b>Eng. 710</b> 3320 cc.		R79623 T20157T CDX0634A	EX	<b>R3516/RCR</b>	40	9.45	131	M	45°
1968	3	Tractor 830 - 890 - 930 1030 - 1035 - 1120 1830 - 2120 - 2040 <b>Eng. 3164 DL</b> 2690 cc.	102	R52252 R79624							
1968	4	Tractor 2030 - 2035 3030 <b>Eng. 4219 DL</b> 3590 cc.									
1973	6	Tractor 3030 - 3130 3135 <b>Eng. 3239 DL</b> 5380 cc.									
1974	3	Tractor 940 - 1040 - 1140 - 1630 <b>Eng. 3239 DL</b> 2938 cc.	106.5								
1974	4	Tractor 1640 - 1840 - 2040 - 2130 - 2140 <b>Eng. 4239 DL</b> 3918 cc.									
1974	6	Tractor 3040 - 3140 <b>Eng. 6359 DL</b> 5876 cc. Stessa applicazione spessore testa maggiorato 1 mm			IN EX	<b>R3920/SCR</b> <b>R3921/RCR</b>	45 40	9.45 9.45	131 131	M M	45° 45°
	3	Tractor 1020 - 1120 T <b>Eng. 3164 D</b> 2690 cc.	102	R89219 R51735 T20157T CDX0634A	IN EX	<b>R4372/RCR</b> <b>R3516/RCR</b>	46 40	9.45 9.45	131 131	M M	30° 45°
	4	Tractor 2120 T <b>Eng. 4219 D</b> 3590 cc.		R52252 R79624							

**GUIDAVALVOLE  
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		

PI **PUNTERIE · LIFTERS**  
RA **BILANCIERI**  
**ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I



NOTE remarks

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓											
							D	d	L									
2007	6	<b>Eng. 6068</b> 6800 cc.	106	R502369	IN	<b>R6921/SCR</b>	37	7	135.60	S	30°							
				R518806 R536135 RE518080 RE557890 R502370 R524875 R536136 RE518081 RE557891								EX	<b>R6922/RCR</b>	36	7	135.55	S	30°
<b>KHD</b>																		
1989	2	<b>Eng. F2L 1011</b> 1366 CC.	91	427 2209	IN	<b>R6187/SCR</b>	40	8	124.7	I	45°							
	3	<b>Eng. F3L1011</b> 2049 CC.		417 0898								IN	<b>R6521/BMCR</b>	41.6	8	124.8	I	30°
	4	<b>Eng. F4L1011</b> 2732 cc.		428 0404								EX	<b>R6188/RCR</b>	34.9	8	124.7	I	45°
				417 0899														
1993	4	<b>Eng. BF 4M 1012</b> 3200 cc.	94	420 8095	IN	<b>R6141/SCR</b>	41.7	8	124.7	I	30°							
1994	6	<b>Eng. BF 6M 1012</b> 4800 cc.		420 8096	EX	<b>R6142/RCR</b>	35.9	8	124.7	I	45°							
				428 0350	IN	<b>R6377/BMCR</b>	41.2	8	124.7	I	45°							
				428 0049	EX	<b>R6376/BMCR</b>	35.5	8	124.7	I	45°							
		<b>Eng. BF4M 1012</b> 4038 cc.		428 3376	IN	<b>R6546/SCR</b>	41.7	8	119.5	I	30°							
				428 3377	EX	<b>R6547/BMCR</b>	36	8	119.5	I	45°							
1963/97	1	Tactor D15	95	415 3773	IN	<b>R3351/RCR</b>	43	8	133	E	45°							
		<b>Eng. F1L812</b> 850 cc.		415 3696	EX	<b>R3352/RCR</b>	37	8	133	E	45°							
	2	Tractor D30 - D2005		213 3730	IN	<b>R4556/RCR</b>	40	8	133	E	45°							
		<b>Eng.F2L812</b> 1700 cc.		337 1746	EX	<b>R4557/RCR</b>	35	8	133	E	45°							
	3	Tractor D40																
	4	Tractor D50																
		<b>Eng. F4L812</b> 3400 cc.																
	6	Tractor D8005					IN	<b>R4166/RCR</b>	43	8	133	E	45°					
<b>Eng. F6L812</b> Stessa applicazione spessore testa maggiorato 1 mm					EX	<b>R4167/RCR</b>	37	8	133	E	45°							



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	4	<b>Eng. BF 4M 2013C</b> 3802 cc.	98	0425 0137							
	6	<b>Eng. BF 6M 2013</b>		0425 4232							
	6	<b>Eng. BF 6M 2013C</b> 5702 cc.		0428 3378	IN	<b>R6670/SCR</b>	34.7	8	144.22	I	30°
	4	<b>Eng. TCD 2012 L4 4V</b> 4038 cc.	101	0429 1386	EX	<b>R6671/BMCR</b>	33.5	8	157.30	I	45°
				0428 0138							
				0425 4233							
				0428 3379							
				0428 9801							
1967/72	2	Tractor D2506 - 3006 <b>Eng. F2L912D</b> 1885 cc.	100	415 3773	IN	<b>R3351/RCR</b>	43	8	133	E	45°
	3	Tractor D4006A - 5006A <b>Eng. F3L912D</b> 2826 cc.		415 3696	EX	<b>R3352/RCR</b>	37	8	133	E	45°
	4	Tractor D5506A Tractor D60086A Tractor D2003A <b>Eng. F4L912D</b> 3768 cc.									
	5	Tractor DX 85/90 <b>Eng. F5L912D</b> 4712 cc.									
	6	Tractor D2005A Tractor D9006A <b>Eng. F6L912D</b> 5652 cc.									
		Stessa applicazione spessore testa maggiorato 1 mm			IN	<b>R4166/RCR</b>	43	8	133	E	45°
					EX	<b>R4167/RCR</b>	37	8	133	E	45°
1972/92	2	<b>Eng. F2L912W</b> 1884 cc.	100	415 3629	IN	<b>R3351/RCR</b>	43	8	133	E	45°
	3	<b>Eng. F3L912W</b> 2826 cc.		415 3696	EX	<b>R3352/RCR</b>	37	8	133	E	45°
	4	<b>Eng. F4L912W</b> 3768 cc.									
	5	<b>Eng. F5L912W</b> 4710 cc.									
	6	<b>Eng. F6L912W</b> 5652 cc.									
		Stessa applicazione spessore testa maggiorato 1 mm			IN	<b>R4166/RCR</b>	43	8	133	E	45°
					EX	<b>R4167/RCR</b>	37	8	133	E	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11597</b>	IN/EX	58.4	8	13.05	G	C.I.
223 2528	<b>G2818</b> <b>G2819</b> <b>G2820</b>	IN/EX	57.5	8	15.05 15.10 15.15	G	L
223 3020	<b>G2821</b>				15.25		
223 2528	<b>G2818</b> <b>G2819</b> <b>G2820</b> <b>G2821</b>	IN/EX	57.5	8	15.05 15.10 15.15 15.25	G	L
223 3020							

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RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE**  
remarks


**KHD**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1979	1	<b>Eng. F1L511W</b> 825 cc.	100	415 3631	IN	<b>R3351/RCR</b>	43	8	133	E	45°
	2	<b>Eng. F2L511W</b> 1650 cc.		415 3697	EX	<b>R3352/RCR</b>	37	8	133	E	45°
1971	6	<b>Eng. BF6L912 Turbo</b> 5640 cc.	100								
1974		<b>Eng. F6L913 Turbo</b> 6128 cc. Stessa applicazione spessore testa maggiorato 1 mm									
					EX	<b>R4167/RCR</b>	37	8	133	E	45°
1993	3	<b>Eng. F3L912</b> 2830 cc.	100	423 0567							
		<b>Eng. F3L912W</b> 2826 cc.		415 9138							
	4	<b>Eng. F4L912</b> 3770 cc.		415 9136	EX	<b>R4709/BMCR</b>	37	8	133	I	45°
				415 9137							
	5	<b>Eng. F5L912</b> <b>Eng. F5L912W</b> 4710 cc.	102	423 4952	IN	<b>R6335/SCR</b>	44.9	8	133	I	45°
				423 1804	EX	<b>R6324/BMCR</b>	37	8	133	I	45°
	6	<b>Eng. F6L912</b> <b>Eng. F6L912W</b> 5600 cc.									
	3	<b>Eng. F3L913</b> 3060 cc.									
	4	<b>Eng. F4L913</b> 4090 cc.									
	6	<b>Eng. F6L913</b> 6130 cc.									
	4	<b>Eng. TCD 2012 L4 2V</b> 4038 cc.	101	0428 5985	IN	<b>R6674/SCR</b>	44	8	121.2	I	30°
	6	<b>Eng. TCD 2012 L6 2V</b> 6057 cc.		0428 5986	EX	<b>R6675/RCR</b>	38.8	8	121.2	I	45°
1993	4	<b>Eng. BF4L913C</b> 4090 cc.	102	415 9140	IN	<b>R6031/BMCR</b>	43	8	133	I	30°
	6	<b>Eng. BF6L913C</b> 6130 cc.		415 9139	EX	<b>R4709/BMCR</b>	37	8	133	I	45°
				423 1804	EX	<b>R6324/BMCR</b>	37	8	133	I	45°
	6	<b>Eng. BF 6M 1015</b> 11905 cc.		422 0143	IN	<b>R6222/BMCR</b>	46	8	133	I	30°
	8	<b>Eng. BF 8M 1015</b> 15847 cc.		422 6413	EX	<b>R6223/BMCR</b>	42	8	133	I	45°
	6	<b>Eng. TCD 2015 V6</b> 11906 cc.		422 0142							
				422 6412							
	4/6	<b>Eng. BF1013</b>	108	428 3380	IN	<b>R6526/SCR</b>	48	9	139	I	30°
				428 3381	EX	<b>R6527/BMCR</b>	42	9	139	I	45°
	6	<b>Eng. TCD 2013</b> 7146 cc.	108	0490-3005	IN	<b>R6672/SCR</b>	38.2	8	145.7	I	30°
				0490-3006	EX	<b>R6673/RCR</b>	35.8	8	145.6	I	45°





## VALVOLE ENGINE VALVES



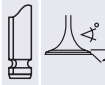



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1968/80	V6	<b>Eng. F6L413</b> 8480 cc.	120	240 2585	IN EX	<b>R4491/SCR</b> <b>R4492/RCR</b>	53.6 46.6	10 10	165 165.3	E E	45° 45°
	8	<b>Eng. F8L914</b> 12667 cc.		414 6226 414 6225 241 2165							
	V8	<b>Eng. F8L413</b> 11310 cc.		214 8907							
	V10	<b>Eng. F10L413</b> 14702 cc.									
	V12	<b>Eng. F12L413</b> 16965 cc.									
	1975/92	V6		<b>Eng. F6L 413F</b> <b>Eng. BF6L413F - Turbo</b>							
V8		<b>Eng. F8L413F</b> <b>Eng. BF8L413F - Turbo</b> 12763 cc.									
V10		<b>Eng. F10L413F</b> <b>Eng. BF10L413F-Turbo</b> 15945 cc.									
V12		<b>Eng. F12L413F</b> <b>Eng. F12L413F-Turbo</b> 19140 cc.									
1989/92	V6	<b>Eng. BF6L513RC</b> 9572 cc.	125	240 2585	IN EX	<b>R4491/SCR</b> <b>R4492/RCR</b>	53.6 46.6	10 10	165 165.3	E E	45° 45°
	V8	<b>Eng. BF8L513</b> 12763 cc.		414 6225 241 2165							
	V10	<b>Eng. BF10L513</b> 15953 cc.		214 8907							
	V12	<b>Eng. BF12L513</b> 19144 cc.									
1993	V6	<b>Eng. F6L413F</b> 9572 cc.	125	418 5770	IN EX	<b>R6033/SCR</b> <b>R6032/BMCR</b>	53.6 46.6	10 10	165 165.3	A A	45° 45°
	V8	<b>Eng. F8L413F</b> 12763 cc.		418 5461 424 0712							
	V12	<b>Eng. F10L413F</b> 15945 cc.									
1993	V6	<b>Eng. BF6L413FW</b> <b>Eng. BF6L513</b>	125	418 5463	IN EX	<b>R6247/SCR</b> <b>R6382/SCR</b> <b>R6032/BMCR</b>	53.6 56.5 46.6	10 10 10	165.8 165.4 165.3	A A A	30° 30° 45°
	V8	<b>Eng. BF8L413FW</b> <b>Eng. BF8L513</b>		424 0714 424 0713 418 5461							
	V10	<b>Eng. BF10L413FW</b> <b>Eng. BF10L513</b>		424 0712							
	V12	<b>Eng. BF12L413FW</b> <b>Eng. BF12L513</b>									



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	4	Picanto 1.0 12V <b>Eng. G4HE</b> 999 cc.	66	22211-02200	IN	<b>R6568/SNT</b>	23.50	5.5	99.57	S	45°
				22212-02200	EX	<b>R6569/RNT</b>	27	5.5	99	S	45°
2004	4	Picanto 1.1 12V <b>Eng. G4HG</b> 1086 cc.	67	22211-02200	IN	<b>R6568/SNT</b>	23.50	5.5	99.57	S	45°
				22212-02200	EX	<b>R6569/RNT</b>	27	5.5	99	S	45°
2011	3	Picanto 1.0 12V <b>Eng. G3LA</b> 998 cc.	71	22211-04000	IN	<b>R6813/SNT</b>	26.75	5.5	93	S	45°
				22212-04000	EX	<b>R6814/RNT</b>	24.10	5.5	93.40	S	45°
2000	4	Rio 1.5 i 16V <b>Eng. A5D</b> 1493 cc.	75.5	OK30E-12111	IN	<b>R6419/SNT</b>	27.8	5.5	96.4	S	45°
				OK30E-12121	EX	<b>R6420/RNT</b>	24.9	5.5	95.5	S	45°
2002/04	4	Carens 1.6 i 16V <b>Eng. G4ED</b> 1599 cc.	76.5	22211-26600	IN	<b>R6241/SNT</b>	29.1	6	91.9	S	45°
				22212-26000	EX	<b>R6242/RNT</b>	25	6	92.4	S	45°
2004 2005	4	Cerato 1.6 16V Rio 1.6 16V <b>Eng. G4ED</b> 1599 cc.	76.5	22211-26600	IN	<b>R6241/SNT</b>	29.1	6	91.9	S	45°
				22212-26000	EX	<b>R6242/RNT</b>	25	6	92.4	S	45°
2006 2008	4	CEE'D 1.4 16V Venga 1.4 16V <b>Eng. G4FA</b> 1396 cc.	77	22211-2B000	IN	<b>R6566/SNT</b>	31.5	5.5	93.2	S	45°
				22211-2B400 22212-2B000	EX	<b>R6567/RNT</b>	26	5.5	92.6	S	45°
2010 2008	4	CEE'D 1.6 16V Venga 1.6 16V <b>Eng. G4FC</b> 1591 cc.	77	22211-2B000	IN	<b>R6566/SNT</b>	31.5	5.5	93.2	S	45°
				22211-2B400 22212-2B000	EX	<b>R6567/RNT</b>	26	5.5	92.6	S	45°
2011 2013	4	Sportage 1.6 16V Soul 1.6 16V CEE'D 1.6 16V PRO CEE'D 1.6 16V Karens IV 1.6 16V <b>Eng. G4FD</b> 1591 cc.	77	22211-2B000	IN	<b>R6566/SNT</b>	31.5	5.5	93.2	S	45°
				22211-2B400 22212-2B000	EX	<b>R6567/RNT</b>	26	5.5	92.6	S	45°
1998	4	Sephia 1.6 16V <b>Eng. B5</b> 1498 cc.	78	K95412111	IN	<b>R6551/SNT</b>	33.7	6	103.4	S	45°
				K01312121	EX	<b>R6552/RCR</b>	28.9	6	104	S	45°
2003	4	Carens 1.6 16V Shuma 1.6 16V 1594 cc.	78	OK2NC-12111	IN	<b>R6653/SNT</b>	29	5.5	96	S	45°
				OK2NC-12121	EX	<b>R6654/RNT</b>	25.8	5.5	94.8	S	45°
2004	4	Sportage 2.0 16V <b>Eng. G4GC</b> 1975 cc.	82	22211-23600	IN	<b>R6585/SNT</b>	32	6	114.4	S	45°
				22212-23600	EX	<b>R6586/RNT</b>	27.5	6	116.6	S	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-02500	<b>G11324</b>	IN/EX	48	5.5	10.06	G	L-X
	<b>GS11324</b>	IN/EX	48	5.5	10.06	SM	L-X
22114-02500	<b>G11324</b>	IN/EX	48	5.5	10.06	G	L-X
	<b>GS11324</b>	IN/EX	48	5.5	10.06	SM	L-X
22114-02500	<b>G11324</b>	IN/EX	48	5.5	10.06	G	L-X
	<b>GS11324</b>	IN/EX	48	5.5	10.06	SM	L-X
22114-02500	<b>G11324</b>	IN/EX	48	5.5	10.06	G	L-X
	<b>GS11324</b>	IN/EX	48	5.5	10.06	SM	L-X
	<b>G11098</b>	IN/EX	40	6	11.07	G	L-X
	<b>G11099</b>				11.12		
22114-26000	<b>GS11461</b>	IN	36.5	6.01	11.06	SM	L-X
22115-26000	<b>GS11462</b>	EX	41	6.01	11.06	SM	L-X-U
22114-2B000	<b>G11478</b>	IN/EX	40.5	5.5	10.05	G	L-X
22114-2B000	<b>G11478</b>	IN/EX	40.5	5.5	10.05	G	L-X
	<b>G11126</b>	IN	42	5.50	9.52	G	L-X
	<b>G11129</b>	EX	44	5.50	9.52	G	L-X-U
22114-26000	<b>GS11461</b>	IN	36.5	6.01	11.06	SM	L-X
22115-26000	<b>GS11462</b>	EX	41	6.01	11.06	SM	L-X-U





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
22231-37110	<b>PI 06-0057</b>	I
22231-26011		
22231-26010		
22231-37110	<b>PI 06-0057</b>	I
22231-26011		
22231-26010		


**NOTE  
remarks**
**KIA**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003	V6	Optima 2.5 I Magentis 2.5 I 2493 cc.	84	22211-37201 22212-37200	IN EX	<b>R6409/SNT</b> <b>R6410/RNT</b>	32	6	96.2	S	45°
							27.5	6	97.3	S	45°
2001 2000	4	Magentis 2.0 i 16V Optima 2.0 i 16V <b>Eng. G4JP</b> 1997 cc.	85	22211-33000 22212-33000	IN EX	<b>R6248/SNT</b> <b>R6249/RNT</b>	34	6.5	109.5	S	45°
							30.5	6.5	109.7	S	45°
2010 2009 2012	4	Sportage 2.0 16V VVT Magentis 2.0 16V VVT Optima 2.0 16V <b>Eng. G4KD-G4KA</b> 1998 cc.	86	22211-2G000 22212-25002	IN EX	<b>R6811/SNT</b> <b>R6812/RNT</b>	35	5.5	113.30	S	45°
							28.96	5.5	106	S	45°
1999/04	4	Clarus 2.0 i 16V Sportage 2.0 i 16V <b>Eng. FE16V</b>	86	K930-12111 K930-12121	IN EX	<b>R6421/SNT</b> <b>R6422/RNT</b>	38	7	103.7	E	45°
							32	7	102.8	E	45°
2004	V6	Sportage 2.7 i V6 24V <b>Eng. G6BA</b> 2656 cc.	86.7	22211-37201 22212-37200	IN EX	<b>R6409/SNT</b> <b>R6410/RNT</b>	32 27.5	6 6	96.2 97.3	S S	45° 45°
2009/11 <b>NEW</b>	4	Sorento 2.4 i 16V <b>Eng. G4KE</b> 2359 cc.	88	22211-2G000 22212-25002	IN EX	<b>R6811/SNT</b> <b>R6812/RNT</b>	35	5.5	113.30	S	45°
							28.96	5.5	106	S	45°

## KIA DIESEL

2005	4	Picanto 1.1 CRDI 12V <b>Eng. D3FA</b> 1120 cc.	75	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26	5.5	93	I	45°
							21	5.5	93.7	I	45°
2005 2005	4	Rio 1.5 CRDI 16V Cerato 1.5 CRDI 16V <b>Eng. D4FA</b> 1493 cc.	75	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26	5.5	93	I	45°
							21	5.5	93.7	I	45°
2010 2012 2011	4	Venga 1.4 CRDI 16V CEE'D 1.4 CRDI 16V Rio 1.4 CRDI 16V <b>Eng. D4FC</b> 1396 cc.	75	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26	5.5	93	I	45°
							21	5.5	93.7	I	45°
2007  2009 2010	4	CEE'D 1.6 CRDI 16V Cerato 1.6 CRDI 16V Soul 1.6 CRDI 16V Venga 1.6 CRDI 16V <b>Eng. D4FB</b> 1582 cc.	77.2	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26	5.5	93	I	45°
							21	5.5	93.7	I	45°
2010	4	Sportage 1.7 CRDi 16V <b>Eng. D4FD</b> 1685 cc.	77.2	22211-2A100 22212-2A100	IN EX	<b>R6570/SNT</b> <b>R6571/RNT</b>	26 21	5.5 5.5	93 93.7	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-23000	<b>G11422</b>	IN	39	6	11.05	G	L-X
22115-37100	<b>G11423</b>	EX	43	6	11.10	G	L-X-U
	<b>GS11422</b>	IN	39	6	11.05	G	L-X
	<b>GS11423</b>	EX	43	6	11.10	G	L-X-U
MDO - 16441	<b>G2945</b>	IN	44	6.60	12.06	G	L-X
	<b>G3584</b>		44	6.60	12.11		
	<b>G2946</b>	EX	50	6.60	12.06	G	L-X
MDO - 16445	<b>G3585</b>		50	6.60	12.11		
22114-25000	<b>GS11619</b>	IN/EX	44	5.5	11.04	SM	L
	<b>GS11620</b>				11.09		
22114-23000	<b>G11422</b>	IN	39	6	11.05	G	L-X
22115-37100	<b>G11423</b>	EX	43	6	11.10	G	L-X-U
	<b>GS11422</b>	IN	39	6	11.05	G	L-X
	<b>GS11423</b>	EX	43	6	11.10	G	L-X-U
22114-25000	<b>GS11619</b>	IN/EX	44	5.5	11.04	SM	L
	<b>GS11620</b>				11.09		
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	G	C.I.-U
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	SM	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	SM	C.I.-U
22114-2A000	<b>G11477</b>	IN	31.5	5.5	11.03	G	C.I.
22114-2A000	<b>G11571</b>	EX	31.5	5.5	11.03	G	C.I.-U
	<b>GS11477</b>	IN	31.5	5.5	11.03	SM	C.I.
	<b>GS11571</b>	EX	31.5	5.5	11.03	SM	C.I.-U





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
22231-37110	<b>PI 06-0057</b>	I
22231-26011		
22231-26010		
22231-37110	<b>PI 06-0057</b>	I
22231-26011		
22231-26010		
	<b>RA06-957</b>	
	<b>PI 06-0019</b>	I
	<b>RA06-957</b>	
	<b>PI 06-0019</b>	I
	<b>RA06-957</b>	
	<b>PI 06-0019</b>	I
	<b>RA06-957</b>	
	<b>PI 06-0019</b>	I


**NOTE  
remarks**
**KIA**
**KIA DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002 2004 2004 2005	4	Carens 2.0 CRDi 16V Cerato 2.0 CRDi 16V Sportage 2.0 CRDi 16V Magnetis 2.0 CRDi 16V <b>Eng. D4EA</b> 1991 cc.	83	22211-27000/01 22212-27000/01	IN EX	<b>R6239/SNT</b> <b>R6240/RNT</b>	28.5 24.4	6 6	95.7 95.4	S S	45° 45°
2010	4	Sportage 2.0 CRDi 16V Sorento II 2.0 CRDi 16V <b>Eng. D4HA</b> 1995 cc.	85	22211-2F000 22212-2F000 22212-2F010	IN EX	<b>R6809/SNT</b> <b>R6810/RNT</b>	29 26	6 6	108.5 108.3	I I	45° 45°
2009 2010	4	Sorento II 2.2. CRDi 16V Carnival 2.2 CRDi 16V <b>Eng. D4HB</b> 2199 cc.	85.4	22211-2F000 22212-2F010	IN EX	<b>R6809/SNT</b> <b>R6810/RNT</b>	29 26	6 6	108.5 108.3	I I	45° 45°
1994	4	Sportage 2.0 TD <b>Eng. RF</b> 1998 cc.	86	RF01-12111 RF01-12121B	IN EX	<b>R4390/SNT</b> <b>R4391/RNT</b>	41 36	8 8	107 106.8	EE EE	45° 45°
1996	4	Besta 2.2 D <b>Eng. R2</b> 2184 cc.	86	RF01-12111 RF01-12121B	IN EX	<b>R4390/SNT</b> <b>R4391/RNT</b>	41 36	8 8	107 106.8	EE EE	45° 45°
1998	4	Sportage 2.0 TD 1998 cc.	86	12911-78E00 12915-78E00	IN EX	<b>R6333/SNT</b> <b>R6334/RNT</b>	39.4 35.1	8 8	106.5 106.8	EE EE	30° 45°
2003	4	Sorento 2.5 CRDi 16V <b>Eng. D4CB</b> 2497 cc.	91	22211-4A061 22212-4A061	IN EX	<b>R6466/SNT</b> <b>R6467/RNT</b>	31.7 28	7 7	110.5 110.5	I I	45° 45°
2002 2004 2005	4	Pregio 2.5 TD Pregio 2.5 TDI/TCI K2500 2.5 Tci <b>Eng. D4BH</b> 2476 cc.	91.1	22211-42520 22212-42520	IN EX	<b>R6102/BMNT</b> <b>R6103/BMNT</b>	40 34	8 8	130.2 130	EE EE	45° 45°
2003 <b>NEW</b>	4	Bongo 2.7D <b>Eng. 2J</b> 2665 cc.	94.5	OK65D12111 OK65B12121	IN EX	<b>R6594/SNT</b> <b>R6595/RNT</b>	44.05 37.4	8.5 8.5	113 112.9	S S	45° 45°
1998	4	Carnival 2.9 TDI 16V <b>Eng. J3</b> 2902 cc.	97.1	OK5511-2111A OK5511-2121A	IN EX	<b>R6171/SNT</b> <b>R6172/RNT</b>	34 31.6	7 7	126.2 126	E E	45° 45°
2001	4	Carnival 2.9 CRDi 16V <b>Eng. J3TCI</b> 2902 cc.	97.1	OK5511-2111A OK5511-2121A	IN EX	<b>R6171/SNT</b> <b>R6172/RNT</b>	34 31.6	7 7	126.2 126	E E	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
22114-27000	<b>G11424</b>	IN/EX	36.6	6.00	11.05	G	C.I.
	<b>GS11424</b>	IN/EX	36.6	6.00	11.05	SM	C.I.
22114-23000	<b>G3596</b>	IN	40.5	8.03	14.03	G	L
22115-37100	<b>G3597</b>	EX	37.7	8.03	14.03	G	L-U
22114-23000	<b>G3596</b>	IN	40.5	8.03	14.03	G	L
22115-37100	<b>G3597</b>	EX	37.7	8.03	14.03	G	L-U
11116-78E01	<b>G11186</b>	IN	40	8	14.07	G	L
	<b>G11187</b>				14.12		
11115-78E00	<b>G11188</b>	EX	46.5	8	14.07	G	L-O-U
	<b>G11189</b>				14.12		
22114-4A000	<b>G11490</b>	IN	43.3	7	12.06	G	L-X
22115-4A000	<b>G11491</b>	EX	39.4	7	12.06	G	L-X
22114-42000	<b>G11327</b>	IN	71	8.00	13.07	G	L-X
22115-42000	<b>G11328</b>	EX	74	8.00	13.07	G	L-X-U
OK551-10-281	<b>G11483</b>	IN/EX	52.7	7	12.05	G	C.I.-U
OK551-10-281	<b>G11483</b>	IN/EX	52.7	7	12.05	G	C.I.-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
24170-27001	<b>RA06-936</b>	
24180-27000	<b>RA06-937*</b>	
22231-27000	<b>PI 06-0051</b>	I
24170-2F000	<b>RA06-985</b>	
24170-2F000	<b>RA06-985</b>	
24170-4A001	<b>RA06-967</b>	
24180-4A000	<b>RA06-968</b>	
	<b>PI 06-0019</b>	I
24531-4X100	<b>RA06-973</b>	
OK55112130		
24531-4X100	<b>RA06-973</b>	
OK55112130		


**NOTE  
remarks**
**RA06-937**  
VERSIONE LUNGA  
LONG VERSION

**RA06-937** LATO IN  
**RA06-938** LATO EX

**KIA DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		

## LADA

1972	4	1200 Vaz 1011 - 2101 - 2102 1198 cc.	76	21011007010 4183269	IN	<b>R3447/S</b>	37	8	112.5	E	45°
		1500 Vaz 2103 1451 cc. 1600 - Niva 4X4 Vaz 2106 - 2107 - 2121 1568 cc. 1300 Vaz 21011- 21033 1294 cc.		21011007012 4183270	EX	<b>R3448/R</b>	31.5	8	113	E	45°
1990	4	Samara 1.1 1099 cc.	76	210811007010	IN	<b>R4388/SNT</b>	35	8	103.7	I	45°
		Samara 1.3 1288 cc.		21081007012	EX	<b>R4389/RNT</b>	31.5	8	104	I	45°
1989	4	Samara 1.5 1499 cc.	82	21081007010	IN	<b>R4387/SNT</b>	37	8	103.7	I	45°
				21081007012	EX	<b>R4389/RNT</b>	31.5	8	104	I	45°
	4	110 1.5 16V 111 1.5 16V 112 1.5 16V 1499 cc.	82	2112-1007010	IN	<b>R6468/SNT</b>	29.2	7	96	I	45°
		Niva 1.7 MPI 1690 cc.		2112-1007012	EX	<b>R6469/RNT</b>	25.5	7	97.2	I	45°

## LADA DIESEL

1993	4	Niva 4X4 1.9D	83		IN	<b>R4243/SCR</b>	38.5	8	112.4	E	45°
		<b>Eng. D9A-XUD9</b> 1905 cc.			EX	<b>R4810/RCR</b>	33	8	112	E	45°










## LAMBORGHINI TRACTORS

		R 503 - R 603		311.1420.0	IN	<b>MI5112/S</b>	42	9	125.5	E	45°
				311.1421.0	EX	<b>MI5113/XB</b>	37	9	125.5	E	45°
		<b>Diesel eng. 0 115</b>		318.1420.0	IN	<b>MI5110/S</b>	47	10	132.5	E	45°
				318.1421.0	EX	<b>MI5111/R</b>	41	10	132.5	E	45°
		<b>Diesel eng. 360 - 460</b> <b>Diesel eng.480 0110</b>		318.1420.0/10	IN	<b>MI5142/S</b>	44	10	132.5	E	45°
				318.1421.0	EX	<b>MI5111/R</b>	41	10	132.5	E	45°
		C352 - C362 - C453 C533 - C553 - C583 C653 - C754 R235 - R483 - R513 R550 - R613 - R635 R684 - R754 - R784 R854 - R955 - R1056		052.1420.0/01	IN	<b>MI3395/SNT</b>	42	9	148	E	45°
				039.1420.2/01	IN	<b>MI3708/SNT</b>	42	9	148	E	45°
				052.1421.0	EX	<b>MI3967/RNT</b>	37	9	148	E	45°
				039.1421.0/02	EX	<b>MI3457/RNT</b>	39.8	9	148	E	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
		AGILE 660 - 890 C674/70 - C774/80 F PLUS 880 FORMULA 115 PREMIUM 850 - 1060 R600 - R660V - R956		010.6016.0 066.1421.0	IN EX	<b>MI5186/BMNT</b> <b>MI3786/BMNT</b>	44 39.5	9 9	131 130.5	E E	30° 45°
		AGILE 770 - 990 F PLUS 775 - 990 FORMULA 135 PREMIUM 950 - 1050 R1306		010.6017.0 010.6022.0	IN EX	<b>MI5187/SAR</b> <b>MI5188/BMCR</b>	44 39.5	9 9	130.5 130.5	E E	30° 45°
		C564 - 684 R583 - R654 - R714 R1056		071.1420.2/01	IN/EX	<b>MI3784/BMCR</b>	42	8	147.8	E	45°
		C874/90 CRONO 674 F PLUS 775 - 990 FORMULA 105 - 135 PREMIUM 950 - 1050		081.1420.0/01 066.1421.0	IN EX	<b>MI4203/SARNT</b> <b>MI3786/BMNT</b>	44.2 39.5	9 9	130.8 130.5	E E	30° 45°
		C664 - 683 R653 - 660 - 754 - 784 R1156		042.1420.2/01 071.1420.2/01	IN EX	<b>MI3782/BMCR</b> <b>MI3784/BMCR</b>	44 42	8 8	147.8 147.8	E E	45° 45°

## LANCIA

1985	4	Y 10 Fire <b>Eng. 156A2.000</b>	70	5942727 7666228	IN	<b>R4168/SCR</b>	30.4	7	97.1	EE	45°
1989		Y10 Selectronic <b>Eng. 156C</b> 1108 cc.		5942728 7666227	EX	<b>R4169/RCR</b>	27.3	7	97.2	EE	45°
1996/97	4	Y 1.1 Elefantino Blu <b>Eng. M609MA.11.C</b> 1108 cc.	70								
1996	4	Y 1.1 ie 8V <b>Eng. 176B2.000</b> 1108 cc.	70	46436048 7666227	IN EX	<b>R4686/SCR</b> <b>R4169/RCR</b>	31.5 27.3	7 7	97.1 97.2	EE EE	45° 45°
1996		Y 1.2 ie 8V <b>Eng. 840A3.000 - 188A4.000</b> 1242 cc.	70.8								
2003/04	4	Ypsilon 1.2 ie <b>Eng. 188A4.000</b> <b>Up to eng. N. 2533527</b> 1242 cc.	70	7770334 7666227	IN EX	<b>R4686/SCR</b> <b>R4169/RCR</b>	31.5 27.3	7 7	97.1 97.2	EE EE	45° 45°
1997	4	Y 1.2 ie 16V <b>Eng. 176B9.000</b> 1242 cc.	70.8	46403681 46471639	IN EX	<b>R4876/SCR</b> <b>R4877/RCR</b>	26.8 22.4	6 6	95 96.2	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
06614160	<b>G3541</b>	IN	63	9.03	15.03	G	L
0.007.17790./10	<b>G11227</b>	EX	60	9.02	15.03	G	C.I.
06614160	<b>G3541</b>	IN	63	9.03	15.03	G	L
0.007.17790./10	<b>G11227</b>	EX	60	9.02	15.03	G	C.I.
06214160	<b>G3490</b>	IN	79	8.05	16.05	G	F
06214170	<b>G3492</b>	EX	79	8.05	16.05	G	F
06614160	<b>G3541</b>	IN	63	9.03	15.03	G	L
0.007.17790./10	<b>G11227</b>	EX	60	9.02	15.03	G	C.I.
06214160	<b>G3490</b>	IN	79	8.05	16.05	G	F
06214170	<b>G3492</b>	EX	79	8.05	16.05	G	F
4265699	<b>G2196</b>	IN/EX	42.5	7.03	13.04	G	C.I.
4372331	<b>G2197</b>				13.09		
7765039	<b>G3554</b>	IN/EX	40.4	7.03	13.04	G	C.I.
7780108	<b>G3586</b>				13.07		
4265699	<b>G2196</b>	IN/EX	42.5	7.03	13.04	G	C.I.
4372331	<b>G2197</b>				13.09		
7765039	<b>G3554</b>	IN/EX	40.4	7.03	13.04	G	C.I.
7780108	<b>G3586</b>				13.07		
4265699	<b>G2196</b>	IN/EX	42.5	7.03	13.04	G	C.I.
4372331	<b>G2197</b>				13.09		
46518800	<b>G11069</b>	IN/EX	39.7	6.02	10.04	G	C.I.
	<b>G11070</b>				10.08		
	<b>G11071</b>				10.24		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
59422730	<b>PI 03-105</b>	M
5942273	<b>PI 03-105</b>	M
5942273	<b>PI 03-105</b>	M
46448011	<b>PI 06-0002</b>	I
46765629		


 NOTE  
remarks

LAMBORGHINI TRACTOR

LANCIA

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000/03	4	Y 1.2 ie 16V <b>Eng. 188A5.000</b> Up to eng. N. 985540 1242 cc.	70.8	46403681 46471639	IN EX	<b>R4876/SCR</b> <b>R4877/RCR</b>	26.8	6	95	I	45°
							22.4	6	96.2	I	45°
2004	4	Ypsilon 1.2 ie <b>Eng. 188A4.000</b> From eng. N. 2533528 1242 cc.	70.8	55194993 55194994	IN EX	<b>R6411/SCR</b> <b>R6412/BMCR</b>	31.9	5	98.4	I	45°
							27.3	5	98.7	I	45°
2003/04	4	Ypsilon 1.2 ie 16V <b>Eng. 188A5.000</b> From eng. N. 985541 1242 cc.	70.8	55185028 55185080	IN EX	<b>R6506/SCR</b> <b>R6507/RCR</b>	26.8	6	95.2	I	45°
							22.5	6	94.7	I	45°
2005	4	Ypsilon 1.4 8V Musa 1.4 8V <b>Eng. 350A1.000</b> 1368 cc.	72	55194219 55200422	IN EX	<b>R6502/SCR</b> <b>R6503/BMCR</b>	33.3	5	99.9	I	45°
							28.1	5	100.5	I	45°
				<b>55198341</b> <b>55198342</b> Natural Power Engine	IN EX	<b>R6626/SARCR</b> <b>R6627/BMARNT</b>	33.3	5	99.9	I	30°
							28.1	5	100.5	I	30°
2003 2004	4	Ypsilon 1.4 16V Musa 1.4 16V <b>Eng. 843A1.000</b> Up to eng. N. 984712 1368 cc.	72	46403681 46471639	IN EX	<b>R4876/SCR</b> <b>R4877/RCR</b>	26.8	6	95	I	45°
							22.4	6	96.2	I	45°
2006	4	Ypsilon 1.4 16V Musa 1.4 16V <b>Eng. 843A1.000</b> From eng. N. 984713 1368 cc.	72	55185028 55185080	IN EX	<b>R6506/SCR</b> <b>R6507/RCR</b>	26.8	6	95.2	I	45°
							22.5	6	94.7	I	45°
2008	4	Nuova Delta 1.4 T 16V <b>Eng. 198A4000</b> 1368 cc.	72	55185028 55206233	IN EX	<b>R6506/SCR</b> <b>R6589/BMARCR</b>	26.8	6	95.2	I	45°
							22.4	6	94.7	I	45°
2011	4	Delta 1.4 GPL <b>Eng. 198A4.000</b> 1368 cc.	72	55225886 55225887	IN EX	<b>R6758/SARCR</b> <b>R6757/BMARNT</b>	26.8	6	95.2	I	30°
							23	6	94.9	I	30°
1985	4	Y 10 Touring <b>Eng. 156A.000</b> 1049 cc.	76	4412816 4412822 4340119	IN EX	<b>R3592/SCR</b> <b>R3529/RCR</b>	36.5	8	110	EE	45°
							29	8	110.5	EE	45°
1985	4	Y 10 Turbo <b>Eng. 156A1.000</b> 1049 cc.	76	5997328 5985066	IN EX	<b>R4172/SCR</b> <b>R4173/RCR</b>	36.5	8	110	EE	45°
							29	8	110	EE	45°
1979	4	Delta 1300 Prisma 1300 <b>Eng. 831AB</b> 1301 cc.	76.1	4239917 4315062 4239918 5973128	IN EX	<b>R3323/SCR</b> <b>R3324/RCR</b>	36	8	108.5	EE	45°
							31	8	109	EE	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
46518800	<b>G11069</b> <b>G11070</b> <b>G11071</b>	IN/EX	39.7	6.02	10.04 10.08 10.24	G	C.I.
55190559	<b>G11425</b> <b>G11426</b> <b>G11440*</b>	IN/EX	44	5.00	10.03 10.08	G	C.I.
		IN/EX	44	5.00	10.03	B	C.I.
73500256	<b>G11069</b> <b>G11070</b> <b>G11071</b> <b>GS11069</b>	IN/EX	39.7	6.02	10.03 10.07 10.24	G	C.I.
		IN/EX	39.7	6.02	10.03	SM	C.I.
55190559	<b>G11425</b> <b>G11426</b> <b>GS11425</b> <b>G11440*</b>	IN/EX	44	5.00	10.03 10.08	G	C.I.
		IN/EX	44	5.00	10.03	SM	C.I.
		IN/EX	44	5.00	10.03	B	C.I.
46518800	<b>G11069</b> <b>G11070</b> <b>G11071</b>	IN/EX	39.7	6.02	10.04 10.08 10.24	G	C.I.
73500256	<b>G11069</b> <b>G11070</b> <b>G11071</b> <b>GS11069</b> <b>G11514*</b>	IN/EX	39.7	6.02	10.03 10.07 10.24	G	C.I.
		IN/EX	39.7	6.02	10.03	SM	C.I.
		IN/EX	39.7	6.02	10.03	B	C.I.
73500256	<b>G11069</b> <b>G11070</b> <b>G11071</b> <b>GS11069</b> <b>G11514*</b>	IN/EX	39.7	6.02	10.03 10.07 10.24	G	C.I.
		IN/EX	39.7	6.02	10.03	SM	C.I.
73500256	<b>GS11069</b> <b>G11514*</b>	IN/EX	39.7	6.02	10.03	SM	C.I.
		IN/EX	39.7	6.02	10.03	B	C.I.
4372602 4373603	<b>G2251</b> <b>G2252</b>	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4372602 4373603	<b>G2251</b> <b>G2252</b>	IN/EX	46.5	8.03	15.06 15.11	G	C.I.
4250803 4372160	<b>G2235</b> <b>G2236</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46448011 46765629	<b>PI 06-0002</b>	I
55200250	<b>PI 03-110</b>	M
55193839	<b>PI 06-0033</b>	I
55202354	<b>PI 03-110</b>	M
46448011 46765629	<b>PI 06-0002</b>	I
55193839	<b>PI 06-0033</b>	I
55193839	<b>PI 06-0033</b>	I
4152447	<b>PI 03-102</b>	M


**NOTE**  
remarks

**G11440\***  
VERSIONE BRONZO

**\*G11440**  
VERSIONE BRONZO

**G11514\***  
VERSIONE BRONZO





**G11514\***  
VERSIONE BRONZO

**G11514\***  
VERSIONE BRONZO

**LANCIA**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/99	4	Delta 1.4 ie <b>Eng. 160A1.046</b> <b>Eng. 836A4.000</b> 1372 cc.	80.5	7609772 5973128	IN EX	<b>R4252/SCR</b> <b>R3324/RCR</b>	37.5 31	8 8	108.5 109	EE EE	45° 45°
2012 <b>NEW</b>	2	Ypsilon 0.9 Twin Air. <b>Eng. 312A2.000</b> 875 cc.	80.5	55229666 55231897	IN EX	<b>R6789/SCR</b> <b>R6790/BMCR</b>	30.14 25.3	5 5	95.5 95.3	I I	45° 45°
1996/99	4	Dedra 1.6 ie 16V <b>Eng. 182A4.000</b> 1596 cc.	80.5	46517325 46461209	IN EX	<b>R4780/SCR</b> <b>R4781/RCR</b>	30.4 29.7	7 7	102.5 102.8	EE EE	45° 45°
1996/00	4	Y 1.4 ie 12V <b>Eng. 840A4.000-840A2.000</b> 1371 cc.	82	7712114 46413334	IN EX	<b>R4778/SCR</b> <b>R4779/RCR</b>	30.3 35.5	7 7	110.5 110.5	EE EE	45° 45°
1996/99	4	Dedra 1.8 ie 16V Delta 1.8 ie 16V <b>Eng. 182A2.000</b> <b>Eng. 181A1.000</b> 1747 cc.	82	7766564 7766565 60674496	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
1999	4	Lybra 1.8 ie 16V <b>Eng. 839A4.000</b> <b>Eng. 839A7.000</b> 1747 cc.	82	7766564 7766565 60674496	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
1994 1998	5	Kappa 2.0 ie 20V <b>Eng. 838A1.000</b> Kappa 2.0 ie 20V <b>Eng. 175A3.000</b> 1998 cc.	82	7735898 7735899	IN EX	<b>R4738/SCR</b> <b>R4739/BMCR</b>	30 26	7 7	113 108.5	I I	45° 45°
1996 1999	5	Kappa 2.0 ie 16V <b>Eng. 838A6.000</b> Lybra 2.0 ie 16V <b>Eng. 1282B7.000 - 185A8.000</b> 1998 cc.	82	7766564 7766565	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
2001	5	Thesis 2.0 20V Turbo <b>Eng. 841E.000</b> 1998 cc.	82	7766564 7766565	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
1994	5	Kappa LS - LX20V <b>Eng. 838A2.000 - 838B2.000</b> 2446 cc.	83	7766564 7766565 60674496	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°
2001	5	Thesis 2.4 ie 20V <b>Eng. 841D.000</b> 2446 cc	83	7766564 7766565 60674496	IN EX	<b>R4728/SCR</b> <b>R4729/RCR</b>	33.5 28	7 7	113.1 108.6	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
71769214	<b>G11593</b> <b>GS11593</b> <b>G11594</b>	IN/EX IN/EX IN/EX	40.5	5.01	9.06	G SM B	C.I. C.I. C.I.
4265699 4372331 7756897 7757052	<b>G2196</b> <b>G2197</b> <b>G3531</b> <b>G11007</b>	IN  EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
7756897 7757052	<b>G3531</b> <b>G11007</b>	IN/EX	42	7.02	13.03 13.08	G	C.I.
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42 46	7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42 46	7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42 46	7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42 46	7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42 46	7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.
7756897 7757052 7779402	<b>G3531</b> <b>G11007</b> <b>G3532</b> <b>G11008</b>	IN  EX	42 46	7.02	13.03 13.08 13.03 13.08	G G	C.I. C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447 60800018	<b>PI 03-102</b>	M
46465330	<b>PI 06-0004</b>	I
7778140 46471599	<b>PI 06-0006</b> <b>RA06-902</b>	I
46465330	<b>PI 06-0004</b>	I
46465330	<b>PI 06-0004</b>	I
46465330	<b>PI 06-0004</b>	I
46787055	<b>PI 06-0004</b>	I
46787055	<b>PI 06-0004</b>	I
46787055	<b>PI 06-0004</b>	I
46787055	<b>PI 06-0004</b>	I


**NOTE  
remarks**
**LANCIA**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986/89	4	Delta 1.6 HF Turbo <b>Eng. 831B7.046</b> <b>Eng. 831B3.000</b> 1585 cc.	84	7547400 5953041	IN EX	<b>R4174/RCR</b> <b>R4175/RCR</b>	43.5 36	8 8	105.5 106	EE EE	45° 45°
1986/88  1984  1984/87	4	Delta 2.0 ie HF Turbo 4WD <b>Eng. 831B5.000</b>  Thema 2.0 ie <b>Eng. 834B1.000</b> <b>Eng. 834B.000</b>  Thema 2.0 ie Turbo <b>Eng. 834C.000</b> 1995 cc.	84	7547400 5953041	IN EX	<b>R4174/RCR</b> <b>R4175/RCR</b>	43.5 36	8 8	105.5 106	EE EE	45° 45°
1987/91	4	Delta 2.0 ie HF Turbo 16V 4WD <b>Eng. 831D5.000</b> 1995 cc.	84	7722907 7650916	IN EX	<b>R4730/RCR</b> <b>R4731/RARCR</b>	34.4 28.3	7 7	128 125.5	EE EE	45° 45°
1989/94  1994/99	4	Dedra 1.8 ie <b>Eng. 835A2.046</b> <b>Eng. 835A2.000</b>  Dedra 1.8 ie <b>Eng. 836A5.000</b> 1756 cc.	84	46406169 7597080	IN EX	<b>R4174/RCR</b> <b>R3563/RCR</b>	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1994/99	4	Delta 1.8 ie <b>Eng. 835C2.000 - 835C4.000</b> <b>Eng. 836C4.000 - 836A5.000</b> <b>Eng. 836A6.000</b> 1756 cc.	84	46406169 7597080	IN EX	<b>R4174/RCR</b> <b>R3563/RCR</b>	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1989/99	4	Dedra 2.0 ie <b>Eng. 835A5.000</b> <b>Eng. 835A5.046</b> 1995 cc.	84	46406169 7597080	IN EX	<b>R4174/RCR</b> <b>R3563/RCR</b>	43.5 36.5	8 8	105.5 106	EE EE	45° 45°
1989/92  1988/92	4	Thema 2.0 ie 16V <b>Eng. 834B2.246 - 834B2.000</b> <b>Eng. 834F1.000</b> 1995 cc.  Thema 2.0 ie Turbo 16V <b>Eng. 834C1.246 - 834C1.000</b> 1995 cc.	84	7474739 7958073	IN EX	<b>R4347/RCR</b> <b>R4348/RARCR</b>	34.5 28.5	7 7	128 126	EE EE	45° 45°
1992	4	Thema 2.0 LS Turbo 16V <b>Eng. 834F2.000</b> 1995 cc.	84	7687459 7687469	IN EX	<b>R6034/RCR</b> <b>R6035/RARCR</b>	27.5 29.5	7 7	128 125.5	EE EE	45° 45°
1993/94	4	Delta ie HF Turbo 16V 4WD <b>Eng. 834E5.000</b> <b>Eng. 831E5.046</b> 1995 cc.	84	7722907 7650916	IN EX	<b>R4730/RCR</b> <b>R4731/RARCR</b>	34.4 28.3	7 7	128 125.5	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4250801 4371508 82399099	<b>G2231</b> <b>G2232</b> <b>G2239</b> <b>G2240</b>	IN  EX	42  42	8.03  8.03	14.06 14.11 14.06 14.11	G  B	C.I.  C.I.
4250801 4371508 82399099	<b>G2231</b> <b>G2232</b> <b>G2239</b> <b>G2240</b>	IN  EX	42  42	8.03  8.03	14.06 14.11 14.06 14.11	G  B	C.I.  C.I.
7616998 7616992 7611679 7611680	<b>G3205</b> <b>G3206</b> <b>G3208</b> <b>G3209</b>	IN  EX	51.3  51.3	7.02  7.02	14.05 14.10 14.05 14.10	G  B	C.I.  C.I.
4250801 4371508	<b>G2231</b> <b>G2232</b>	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508	<b>G2231</b> <b>G2232</b>	IN/EX	42	8.03	14.06 14.11	G	C.I.
4250801 4371508	<b>G2231</b> <b>G2232</b>	IN/EX	42	8.03	14.06 14.11	G	C.I.
7616998 7616992	<b>G3205</b> <b>G3206</b>	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992	<b>G3205</b> <b>G3206</b>	IN/EX	51.3	7.02	14.05 14.10	G	C.I.
7616998 7616992 7611679 7611680	<b>G3205</b> <b>G3206</b> <b>G3208</b> <b>G3209</b>	IN  EX	51.3  51.3	7.02  7.02	14.05 14.10 14.05 14.10	G  B	C.I.  C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M


 NOTE  
remarks

LANCIA

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/99	4	Dedra 2.0 ie 16V Delta 2.0 ie 16V <b>Eng. 836A3.000</b> 1995 cc.	84	7722907 7574742	IN EX	<b>R4730/RCR</b> <b>R4348/RARCR</b>	34.4 28.5	7 7	128 126	EE EE	45° 45°
1994/99  1995	4	Delta 2.0 ie HF Turbo 16V <b>Eng. 83642.000</b> <b>Eng. 175A4.000</b> Kappa 2.0 ie Turbo 16V <b>Eng. 834A4.000</b> <b>Eng. 838A4.000</b> 1995 cc.	84	7722907 7650916	IN EX	<b>R4730/RCR</b> <b>R4731/RARCR</b>	34.4 28.3	7 7	128 125.5	EE EE	45° 45°
2000 2002	4	Zeta 2.0 ie 16V Phedra 2.0 ie 16V <b>Eng. RFN</b> 1997 cc.	85	9623950380 9636001780	IN EX	<b>R6113/S</b> <b>R6114/RCR</b>	33.3 29	6 6	106.2 103.6	E E	45° 45
1994	4	Zeta 2.0 ie Turbo <b>Eng. RGX</b> 1998 CC	86	9605936180 9611782880	IN EX	<b>R4608/S</b> <b>R4609/RCR</b>	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1998/00	4	Zeta 2.0 ie 16V <b>Eng. RFV</b> 1997 cc.	86	9628943380 9629861180	IN EX	<b>R6112/S</b> <b>R6111/RCR</b>	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1979/82	4	Delta 1300 Prisma 1300 <b>Eng. 831A2.000</b> 1301 cc.	86.4	4460697 4315062	IN EX	<b>R3323/SCR</b> <b>R3324/RCR</b>	36 31	8 8	108.5 109	EE EE	45° 45°
1980/83	4	Delta 1500 Prisma 1500 <b>Eng. 831A1.000</b> 1498 cc.	86.4	4460697 5973129	IN EX	<b>R3323/SCR</b> <b>R3594/RCR</b>	36 33.4	8 8	108.5 109	EE EE	45° 45°
1989/93	4	Dedra 1.6 ie <b>Eng. 835A1.000</b> 1581 cc.	86.4	46531591 5973128	IN EX	<b>R4252/SCR</b> <b>R3324/RCR</b>	37.5 31	8 8	108.5 109	EE EE	45° 45°
1993/99	4	Dedra 1.6 ie <b>Eng. 159B9.000</b> 1581 cc.	86.4	7617500 4315062 4239918 5973128	IN EX	<b>R4625/SCR</b> <b>R3324/RCR</b>	39.5 31	8 8	108.5 109	EE EE	45° 45°
1995	4	Delta 1.6 ie 16V <b>Eng. 182A6.000</b> <b>Eng. 182A4.000</b> <b>Up to eng. N. 10784</b> 1581 cc.	86.4	46517325 46462159	IN EX	<b>R4780/SCR</b> <b>R4781/RCR</b>	30.4 29.7	7 7	102.5 102.8	EE EE	45° 45°
1995	4	Delta 1.6 ie 16V <b>Eng. 182A6.000</b> <b>Eng. 182A4.000</b> <b>From eng. N. 10785</b> 1581 cc.	86.4	46761369 46761370	IN EX	<b>R6153/SCR</b> <b>R6154/RCR</b>	30.4 29.8	7 7	102.5 102.5	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7616998	<b>G3205</b>	IN	51.3	7.02	14.05	G	C.I.
7616992	<b>G3206</b>				14.10		
7611679	<b>G3208</b>	EX	51.3	7.02	14.05	B	C.I.
7611680	<b>G3209</b>				14.10		
7616998	<b>G3205</b>	IN	51.3	7.02	14.05	G	C.I.
7616992	<b>G3206</b>				14.10		
7611679	<b>G3208</b>	EX	51.3	7.02	14.05	B	C.I.
7611680	<b>G3209</b>				14.10		
	<b>G11315</b>	IN	40	6	12.07	B	C.I.
	<b>G11316</b>				12.12		
	<b>G11317</b>	EX	40	6	12.07	G	C.I.
	<b>G11318</b>				12.12		
	<b>G3340</b>	IN	43.5	8.01	13.07	B	C.I.
	<b>G3341</b>				13.12		
	<b>G3344</b>	EX	51	8.01	13.07	B	C.I.
	<b>G3345</b>				13.12		
	<b>G11158</b>	IN	41	5.98	12.07	B	C.I.
	<b>G11223</b>				12.12		
	<b>G11159</b>	EX	41	5.99	12.07	G	C.I.
4250803	<b>G2235</b>	IN/EX	46.5	8.03	14.06	G	C.I.
4372160	<b>G2236</b>				14.11		
4250803	<b>G2235</b>	IN/EX	46.5	8.03	14.06	G	C.I.
4372160	<b>G2236</b>				14.11		
4250803	<b>G2265</b>	IN/EX	46.5	8.03	14.06	G	C.I.
4372160	<b>G2266</b>				14.11		
4250803	<b>G2265</b>	IN/EX	46.5	8.03	14.06	G	C.I.
4372160	<b>G2266</b>				14.11		
4265699	<b>G2196</b>	IN	42.5	7.03	13.04	G	C.I.
4372331	<b>G2197</b>				13.09		
7756897	<b>G3531</b>	EX	42	7.02	13.03	G	C.I.
7757052	<b>G11007</b>				13.08		
4265699	<b>G2196</b>	IN	42.5	7.03	13.04	G	C.I.
4372331	<b>G2197</b>				13.09		
7756897	<b>G3531</b>	EX	42	7.02	13.03	G	C.I.
7757052	<b>G11007</b>				13.08		





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
	<b>PI 06-0007</b>	I
4152447	<b>PI 03-102</b>	M
4152447 60800018	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
46465330	<b>PI 06-0004</b>	I
46465330	<b>PI 06-0004</b>	I


**NOTE  
remarks**
**LANCIA**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1999	4	Lybra 1.6i 16V <b>Eng. 182A6.000</b> <b>Eng. 182A4.000</b> 1581 cc.	86.4	46761369 46761370	IN EX	<b>R6153/SCR</b> <b>R6154/RCR</b>	30.4	7	102.5	EE	45°
							29.8	7	102.5	EE	45°
1994	V6	Kappa 3.0 V6 24V <b>Eng. 838.000</b> <b>Eng. 838.B000</b> 2959 cc.	93	55186770 60560644	IN EX	<b>R4610/BM</b> <b>R4611/BMARCR</b>	35.7	7	102.1	I	45°
							31.2	7	102.7	I	45°
2002	V6	Thesis 3.0 ie V6 24V <b>Eng. 841A.000</b> 2959 cc.	93	55186770 60560644	IN EX	<b>R4610/BM</b> <b>R4611/BMARCR</b>	35.7	7	102.1	I	45°
							31.2	7	102.7	I	45°
2003	V6	Thesis 3.2 V6 24V <b>Eng. 841A.000</b> 3179 cc.	93	55186770 60560644	IN EX	<b>R4610/BM</b> <b>R4611/BMARCR</b>	35.7	7	102.1	I	45°
							31.2	7	102.7	I	45°

## LANCIA DIESEL

2003	4	Ypsilon 1.3 16V MJ <b>Eng. 188A4.000</b>	69.6	55195680	IN EX	<b>R6304/SCR</b> <b>R6305/BMCR</b>	21.9	6	109.2	I	45°
2004	4	Musa 1.3 16V MJ <b>Eng. 188A9.000</b> 1242 cc.		46518930 46518931 55208213							
2009	4	Ypsilon 1.3 16V MJ	69.6	55204574	IN EX	<b>R6636/SCR</b> <b>R6640/BMCR</b>	22.45	6	109.2	I	45°
2009	4	Musa 1.3 16V MJ <b>Eng. EURO 5</b> 1242 cc.		55223836							
2008	4	Musa 1.6 MJT 16V Nuova Delta 1.6 MJT 16V <b>Eng. 350A2000</b> <b>Eng. 350A3000</b> 1598 cc.	79.5	55205125	IN EX	<b>R6590/SCR</b> <b>R6388/BMCR</b>	26.6	5	114.4	I	45°
				55207955							
2000	4	Lybra 1.9 JTD <b>Eng. AR32302</b>	82	46478834	IN EX	<b>R4941/BMCR</b> <b>R4943/BMCR</b>	35.5	8	115.2	I	45°
2004	4	Musa 1.9 MJ <b>Eng. 188B2.000</b> 1910 cc.		55193126 46416321 55202630 46783962							
1994	5	Kappa 2.4 TD <b>Eng. 838A3.000</b> <b>Eng. 838A7.000</b> 2387 cc.	82	7798620	IN EX	<b>R4740/BMCR</b> <b>R4741/BMCR</b>	37.5	8	114.5	I	45°
				7783225							
2008	4	Nuova Delta 1.9 MJT <b>Eng. 844A1000</b> 1910 cc.	82	55206431	IN EX	<b>R6387/SCR</b> <b>R6388/BMCR</b>	28	5	114.4	I	45°
				55207955							

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331 7756897 7757052	<b>G2196</b> <b>G2197</b> <b>G3531</b> <b>G11007</b>	IN  EX	42.5 42	7.03 7.02	13.04 13.09 13.03 13.08	G G	C.I. C.I.
60572415  60572412	<b>G11003</b> <b>G11004</b> <b>G11005</b> <b>G11006</b>	IN  EX	38 43	7.01 7.01	12.06 12.11 12.07 12.12	B G	C.I. C.I.
60572415  60572412	<b>G11003</b> <b>G11004</b> <b>G11005</b> <b>G11006</b>	IN  EX	38 43	7.01 7.01	12.06 12.11 12.07 12.12	B G	C.I. C.I.
60572415  60572412	<b>G11003</b> <b>G11004</b> <b>G11005</b> <b>G11006</b>	IN  EX	38 43	7.01 7.01	12.06 12.11 12.07 12.12	B G	C.I. C.I.
46816601 46816602	<b>G11310</b> <b>G11311</b> <b>GS11310</b>	IN/EX IN/EX	43 43	6.02 6.02	10.03 10.07 10.03	G SM	L L
46816601 46816602	<b>G11310</b> <b>G11311</b> <b>GS11310</b>	IN/EX IN/EX	43 43	6.02 6.02	10.03 10.07 10.03	G SM	L L
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L
7565472 46433782 46433783	<b>G11000</b> <b>G11018</b> <b>G11019</b> <b>GS11000</b>	IN/EX IN/EX	43 43	8.02 8.02	14.03 14.06 14.11 14.03	G SM	C.I. C.I.
7565472 46433782 46433783	<b>G11000</b> <b>G11018</b> <b>G11019</b> <b>GS11000</b>	IN/EX IN/EX	43 43	8.02 8.02	14.03 14.06 14.11 14.03	G SM	C.I. C.I.
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G SM	L L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46465330	<b>PI 06-0004</b>	I
60507563 60810675	<b>PI 06-0014</b>	I
60507563 60810675 60664980	<b>PI 06-0014</b>	I
60507563 60810675 60664980	<b>PI 06-0014</b>	I
46475925 73501138	<b>PI 06-0019</b> <b>RA06-900</b>	I
46475925 73501138	<b>PI 06-0019</b> <b>RA06-900</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I






 NOTE  
remarks

LANCIA

LANCIA DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	5	Kappa 2.4 JTD <b>Eng. 838A8.000</b>	82	46478834	IN	<b>R4941/BMCR</b>	35.5	8	115.2	I	45°
1999		Lybra 2.4 JTD <b>Eng. 839A5.000</b> <b>Eng. 839A6.000</b> <b>Eng. AR325.01</b>		46750859 46416321 46783962	EX	<b>R4943/BMCR</b>	34.47	8	115.1	I	45°
2002		Lybra 2.4 JTD Thesis 2.4 JTD <b>Eng. 841C.000</b> 2387 cc.									
2003	5	Thesis 2.4 JTD 20V <b>Eng. 841M.000</b> <b>Eng. 841N.000</b> <b>Eng. 841G.000</b> <b>Eng. 841H.000</b> 2387 cc.	82	46802049 46787902	IN EX	<b>R6203/SCR</b> <b>R6204/BMCR</b>	28 26	6 6	114.40 114.40	I I	45° 45°
2003	5	Thesis 2.4 JTD 20V <b>Eng. 841P.000</b> <b>Up to eng. 553217</b> 2387 cc.	82	55190248 55190249	IN EX	<b>R6601/SCR*</b> <b>R6602/BMCR*</b>	27.9 24.9	5 5	114.2 114.2	I I	45° 45°
2003	5	Thesis 2.4 JTD 20V <b>Eng. 841P.000</b> <b>From eng. 553218</b> 2387 cc.	82	55206431 55205183	IN EX	<b>R6387/SCR*</b> <b>R6388/BMCR*</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
1982/92	4	Prisma 1.9 D <b>Eng. 831D.000</b> 1929 cc.	82.6	5990532 5990533	IN EX	<b>R3953/SCR</b> <b>R3954/RCR</b>	37.4 33.5	8 8	117 117	EE EE	45° 45°
1986/89	4	Delta 1.9 TD Prisma 1.9 TD <b>Eng. 831D1.000</b> <b>Up to eng. N. 674284</b> 1929 cc.	82.6	7547158 5990533	IN EX	<b>R4627/RCR</b> <b>R3954/RCR</b>	37.5 33.5	8 8	116.5 117	EE EE	45° 45°
1986/89	4	Delta 1.9 TD Prisma 1.9 TD <b>Eng. 831D1.000</b> <b>From eng. N. 674285</b> 1929 cc.	82.6	7547158 7588577	IN EX	<b>R4627/RCR</b> <b>R4626/RCR</b>	37.5 33.5	8 8	116.5 116.5	EE EE	45° 45°
2008	4	Nuova Delta 2.0 MJT <b>Eng. 198A5000</b> 1956 cc.	83	55206431 55207955	IN EX	<b>R6387/SCR</b> <b>R6388/BMCR</b>	28 24.5	5 5	114.4 114.4	I I	45° 45°
1996	4	Zeta 2.1 TD 12V <b>Eng. P8C</b> 2088 cc.	85	9600781780 9604295780	IN EX	<b>R4623/SCR</b> <b>R4624/BMCR</b>	33.9 33.9	8 8	122.3 121.9	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7565472 46433782 46433783	<b>G11000</b> <b>G11018</b> <b>G11019</b> <b>GS11000</b>	IN/EX  IN/EX	43 43	8.02 8.02	14.03 14.06 14.11 14.03	G  SM	C.I.  C.I.
55186786	<b>G11302</b> <b>G11303</b> <b>GS11302</b>	IN/EX  IN/EX	47 47	6.02 6.02	11.03 11.06 11.03	G  SM	C.I.  C.I.
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX  IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G  SM	L  L
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX  IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G  SM	L  L
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
4250803 4372160	<b>G2265</b> <b>G2266</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
55210016 55210015	<b>G11481</b> <b>G11482</b> <b>GS11481</b>	IN/EX  IN/EX	46.7 46.7	5 5	10.03 10.06 10.03	G  SM	L  L
	<b>G3513</b> <b>G11026</b>	IN/EX	54.5	8.01	13.06 13.12	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4152447	<b>PI 03-102</b>	M
46475925 46764765 55200333	<b>PI 06-0019</b> <b>RA06-903</b> <b>RA06-901</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
4152447	<b>PI 03-102</b>	M
4152447	<b>PI 03-102</b>	M
46475925 55186463	<b>PI 06-0019</b> <b>RA06-933</b>	I
9301337280	<b>PI 06-0017</b>	I


**NOTE  
remarks**

	<b>RA06-903</b> 55X17R17X10 <b>RA06-901</b> 57X17R17X10	
	<b>R6601/SCR*</b> Retainer s.e. 5.8 mm 5.8 mm <b>R6602/BMCR*</b> Retainer s.e. 6.5 mm	
	<b>R6387/SCR*</b> Retainer s.e. 4.9 mm <b>R6388/BMCR*</b> Retainer s.e. 5.9 mm	

**LANCIA DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1999	4	Zeta 2.0 JTD <b>Eng. RHZ</b> 1998 cc.	85	9624774280	IN	<b>R6092/SCR</b>	35.6	6	107.1	I	45°
				9624774580	EX	<b>R6093/BMCR</b>	33.8	6	107.1	I	45°
2001	4	Zeta 2.0 JTD 16V <b>Eng. RHW</b>	85	9635317980	IN	<b>R6161/SCR</b>	29.9	6	106.2	I	45°
2002		Phedra 2.0 JTD 16V <b>Eng. RHW-RHM</b> 1997 cc.		9635318480	EX	<b>R6162/BMCR</b>	25	6	106.1	I	45°
2002	4	Phedra 2.2 JTD <b>Eng. 4HW</b> 2179 cc.	85	9627184380 9634437580	IN EX	<b>R6163/SCR</b> <b>R6164/BMCR</b>	29.8 25	6 6	105 105	I I	45° 45°
1984/94	4	Thema Td <b>Eng. 8144.91</b> <b>Eng. 8144.97</b> 2445 - 2499 cc.	93	7301820 7302157	IN EX	<b>R3989/RNT</b> <b>R3991/RCR</b>	41 34.5	8 8	120.7 122	EE EE	30° 45°
2011 <b>NEW</b>	4	Voyager 2.8 JTD <b>Eng. ENS</b> 2777 cc.	94	K68027469AA K68027470AA	IN EX	<b>R6817/SCR</b> <b>R6818/BMCR</b>	31.8 29.2	6 6	107.6 107.8	I I	45° 45°

## LAND ROVER

1987	4	Land Rover Santana Suzuky engine SJ 413 1325 cc.	74	12911A82000	IN	<b>R4549/SNT</b>	36	7	115.5	EE	45°
				12915A82050	EX	<b>R4550/RNT</b>	30	7	114.5	EE	45°
2000	4	Freelander 1.8 i 16V <b>Eng. 18K4F</b> 1796 cc.	80	LGH10029	IN	<b>R4816/SNT</b>	27.7	6	89.6	S	45°
				LGH10065 LGH101360	EX	<b>R6118/RNT</b>	27.4	6	90	S	45°
2000	V6	Freelander 2.5 i V6 24V <b>Eng. 25K4F</b> 2497 cc.	80	LGH10064	IN	<b>R6117/SNT</b>	31.6	6	89.6	S	45°
				LGH10065 LGH101360	EX	<b>R6118/RNT</b>	27.4	6	90	S	45°
1984	4	Land Rover 88 - 90 Land Rover 109 - 110 2286 cc. Land Rover 90 - 110 2494 cc.	90.475	ETC4067	IN	<b>R4487/SCR</b>	44.5	7.9	111.4	I	30°
				ETC5866	EX	<b>R4488/RCR</b>	34.3	8.7	111.4	I	45°
2002	V8	Range Rover 4.4 i V38 <b>Eng. 448S2</b> 4398 cc.	92		IN	<b>R4794/SCR</b>	34.9	6	104.1	I	45°
					EX	<b>R4795/BMARCR</b>	30.4	6	103.6	I	45°

## LAND ROVER DIESEL

1994	6	Range Rover 2.5 DSE TD <b>Eng. D256TM</b> 2498 cc. BMW ENG.	80	STC2156	IN	<b>R4919/BMCR</b>	36	6	103.7	I	45°
				STC2149	EX	<b>R4920/BMARCR</b>	31	6	103.5	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
9640340380	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
	<b>G11396</b> <b>G11397</b>	IN/EX	42.5	6	12.06 12.11	G	C.I.
9640340380	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
	<b>G11396</b> <b>G11397</b>	IN/EX	42.5	6	12.06 12.11	G	C.I.
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
4749395	<b>G2713</b>	IN	56	8.03	13.03	G	C.I.
4749397	<b>G2834</b>				13.08		
4726483	<b>G2269</b>	EX	60	8.03	13.03	G	L
4733258	<b>G2270</b>				13.08		
5066773AA	<b>G11476</b>	IN/EX	44.5	6.01	11.03	G	C.I.
11115-82000-001	<b>G3277</b> <b>G3278</b>	IN/EX	48	7	12.07 12.12	G	L
LGJ10034	<b>G11166</b> <b>G11167</b>	IN/EX	30	6	9.88 9.93	G	L
LGJ10034	<b>G11166</b> <b>G11167</b>	IN/EX	30	6	9.88 9.93	G	L
500144	<b>G2579</b>	IN	55.3	7.94	13.55	G	F
500145	<b>G2580</b>	EX	52.5	8.74	14.35	G	F
605759 - 568686	<b>G2583</b>	IN	51	7.94	13.55	G	F
605760 - 568687	<b>G2584</b>	EX	50	8.72	14.35	G	F
605482-568688	<b>G2585</b>	IN	46.5	7.94	13.55	G	F
605483-568689	<b>G2586</b>	EX	57	8.72	14.35	G	F
11121735534	<b>G3544</b> <b>G3548</b>	IN/EX	43.5	6	12.56 12.61	B	C.I.
11122244464	<b>G13599</b> <b>G11021</b> <b>G11022</b>	IN/EX	39.5	6	12.55 12.60 12.65	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
46475925 0949.42 0903.64	<b>PI 06-0019</b>  <b>RA06-913</b>	I
504014269	<b>PI 06-0039</b> <b>RA06-915</b>	I
9638075480	<b>PI 06-0039</b> <b>RA06-915</b>	I
	<b>PI 03-101</b>	M
	<b>PI 06-0005</b>	I
	<b>PI 06-0021</b>	I
	<b>PI 06-0029</b>	I


**NOTE**  
remarks

**PI 06-0019**  
Ball 8.3 mm  
**RA06-913**  
L46 DIA R 17 MM





**RA06-915**  
L58.4

**RA06-915**  
L58.4

**LANCIA DIESEL**
**LAND ROVER**
**LAND ROVER D.**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004/11	V6	Discovery 2.7 TD V6 24V Range Rover 2.7 TD V6 24V <b>Eng. 276DT</b> 2720 cc.	81	JD61430	IN	<b>R6942/SCR</b>	27.8	6	97.10	I	45°
				JD61428	EX	<b>R6943/BMCR</b>	25.20	6	96.40	I	45°
2006/10	V8	Range Rover 3.6TD V8 32V <b>Eng. 368 DT</b> 3628 cc.	81	JD61430 JD61428	IN EX	<b>R6942/SCR</b> <b>R6943/BMCR</b>	27.8 25.20	6 6	97.10 96.40	I I	45° 45°
2000	4	Freelander 2.0 Td4 16V <b>Eng. 204D3</b> 1951 cc.	84	LGH101450	IN/EX	<b>R6088/BMCR</b>	26	6	100	I	45°
2002	6	Range Rover 3.0 TD6 24V <b>Eng. 306D1 BMW</b> 2926 cc.	84	LGH101450	IN/EX	<b>R6088/BMCR</b>	26	6	100	I	45°
2009	V6	Discovery 3.0 V6 24V Range Rover 3.0 V6 24V <b>Eng. 306DT</b> 2992 cc.	84	JD61430	IN	<b>R6942/SCR</b>	27.8	6	97.10	I	45°
				JD61428	EX	<b>R6943/BMCR</b>	25.20	6	96.40	I	45°
1998	4	Freelander 2.0 XEDI <b>Eng. 20T2N</b> 1998 cc.	84.5	LGH100990	IN	<b>R6119/SNT</b>	37.2	7	86.7	EE	45°
				LGH100980	EX	<b>R6120/RNT</b>	32.5	7	86.7	EE	45°
1998	5	Defender 90 2.5 TDI td5 Defender 110 2.5 TDI td5 Defender 130 2.5 TDI td5 <b>Eng. 10P - 15P</b>	84.5	ERR6611	IN	<b>R6343/SCR</b>	34.7	7	105.3	I	30°
				ERR6612	EX	<b>R6344/BMARCR</b>	31.7	7	105.3	I	45°
1999		Discovery 2.5 TDI td5 <b>Eng. 10P - 15P</b> <b>Eng. 10P - 15P</b> 2495 cc.									
2006	4	Freelander 2.2 Td4 16V <b>Eng. 4HT</b> 2179 cc.	85		IN	<b>R6595/SCR</b>	27.2	6	95.80	I	45°
					EX	<b>R6596/BMCR</b>	25	6	95	I	45°
2011	4	Evoque 2.2TD <b>Eng. 224DT</b> 2179 cc.	85		IN	<b>R6595/SCR</b>	27.2	6	95.80	I	45°
					EX	<b>R6596/BMCR</b>	25	6	95	I	45°
1959/71	4	Land Rover 88-109-110 <b>Eng. 2.3I</b> 2286 - 2494 cc.	90.475	527240	IN	<b>R3053/S</b>	39.5	7.9	116.5	EE	45°
				550198	EX	<b>R3054/XB</b>	33.5	8.7	117	EE	45°
1983	4	Land Rover TD		112999	IN	<b>R4160/RCR</b>	39	8	116.5	EE	30°
				113000	EX	<b>R4161/RCR</b>	33	8.7	117.4	EE	45°
1983/86	4	Land Rover 90/110 <b>Eng. 2.5 I</b> 2494 cc.	90.475	ERC9739	IN	<b>R4281/SCR</b>	39.3	8	116.7	I	45°
				ETC5739	EX	<b>R4282/RCR</b>	33.5	8.7	117	I	45°
ERC9738											
ETC5740											
1990/94	4	Defender 90/110/130 2. Tdi	90.5	ERR1157	IN	<b>R4939/RCR</b>	39.5	8	116.5	I	30°
				ERR1156	EX	<b>R4940/RARCR</b>	36.5	8	116.5	I	45°
1989/94		Discovery 2.5 Tdi									
1990/94		Range Rover 2.5 Tdi <b>Eng. 12L Maxion 200 TDI</b> 2495 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11625</b>	IN/EX	39.2	6	10.73	G	L
	<b>G11625</b>	IN/EX	39.2	6	10.73	G	L
	<b>G11313 G11314</b>	IN/EX	39	6	11.54 11.59	B	L
	<b>G11313 G11314</b>	IN/EX	39	6	11.54 11.59	B	L
	<b>G11625</b>	IN/EX	39.2	6	10.73	G	L
LG5100510	<b>G11329</b>	IN/EX	28.5	6.95	12.07	G	L
	<b>G11428 G11429</b>	IN/EX	39	6.93	12.05 12.10	G	L
0220.A2	<b>G11319 G11320 GS11319</b>	IN/EX	41.5	6	10.06 10.11 10.06	G SM	L L
0220.A2	<b>G11319 G11320 GS11319</b>	IN/EX	41.5	6	10.06 10.11 10.06	G SM	L L
605482-568688	<b>G2585</b>	IN	46.5	7.94	13.55	G	F
605483-568689	<b>G2586</b>	EX	57	8.72	14.35	G	F
605482-568688	<b>G2585</b>	IN	46.5	7.94	13.55	G	F
605483-568689	<b>G2586</b>	EX	57	8.72	14.35	G	F
ETC8003	<b>G11175 G11176</b>	IN/EX	49	8.01	14.07 14.27	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019 RA06-964</b>	I
	<b>PI 06-0019 RA06-964</b>	I
LGR100480L STC4532	<b>PI 06-0019 RA06-942</b>	I
LGR100480L STC4532	<b>PI 06-0019 RA06-942</b>	I
	<b>PI 06-0019 RA06-964</b>	I
ERR7233	<b>PI 06-0019</b>	


 NOTE  
remarks

LAND ROVER DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1995	4	Defender 90/110/130 2. Tdi		ERR3777	IN	<b>R6423/RCR</b>	38.9	8	116.3	I	30°
1995		Discovery 2.5 Tdi		ERR1156	EX	<b>R4940/RARCR</b>	36.5	8	116.5	I	45°
1995		Range Rover 2.5 Tdi <b>Eng. 12L Maxion 300 TDI</b> 2495 cc.									
1996	4	Rang Rover 2.4 TD	92	AEU2296L	IN	<b>R3598/RCR</b>	40	8	121	E	35°
		<b>Eng. VM81A-Turbo</b> 2393 cc.		RTC4116	EX	<b>R3599/RCR</b>	33.9	8	121	E	45°

## LEXUS

2011	4	CT 200h 1.8i 16V Hy	80.5	13711-37020	IN	<b>R6560/SNT</b>	32	5.5	109.4	S	45°
		<b>Eng. 2ZR-FXE</b> 1797 cc.		13715-37030	EX	<b>R6561/RNT</b>	27.5	5.5	108.3	S	45°
2009	4	ES 240 2.4i 16V	86	13711-28010	IN	<b>R6294/SNT</b>	33.9	5.5	101.7	EE	45°
		<b>Eng. 2AZ-FE</b> 2362 cc.		13715-28010	EX	<b>R6295/RNT</b>	29.5	5.5	101.1	EE	45°

## LEXUS DIESEL

2007	4	IS 220D 16V	86	13711-0R010	IN	<b>R6562/SNT</b>	30.2	6	104.5	S	45°
		<b>Eng. 2ADFHV-FTV</b> 2230 cc.		13715-0R010	EX	<b>R6563/RNT</b>	27	6	104.1	S	45°

## LEYLAND DIESEL

1986/73	4/6	3.4 - 3.8 - 5.1 - 5.7	95	AMK1567	IN/D	<b>R0950/N</b>	40	8.7	146	EE	45°
		<b>BMC Diesel Eng.</b>		AMK48	EX	<b>R0889/S</b>	36	8.7	146	EE	45°
1972	4	Tractor 262 - 272 - 470	98	86K943	IN/D	<b>R3498/N</b>	43	8.7	148	EE	45°
		<b>Eng. 4/98 NV</b> 3770 cc.		86K944	EX	<b>R3499/RCR</b>	38	8.7	148	EE	45°
1972		Tractor 285 - 485									
		<b>Eng. 6/98 DV/NV</b> 5655 cc.									

## LISTER

1967/76	1	<b>Eng. SR1 - SW1</b>	88.9	201/50871	IN	<b>R3617/S</b>	39.5	8.7	120	EE	45°
	2	<b>Eng. SR2 - SW2</b>		201/50891	EX	<b>R3618/XB</b>	33.5	8.7	120	EE	45°
	3	<b>Eng. SR3</b>									
	4	<b>Eng. SR4</b>									
1975	1	<b>Eng. ST1</b>	95.25	201/80250	IN	<b>R4319/S</b>	42.6	8.7	120.2	EE	45°
	2	<b>Eng. ST2</b>		201/80240	EX	<b>R4320/XB</b>	35.6	8.7	120.2	EE	45°
	3	<b>Eng. ST3</b>									
1967/76	2/6	<b>Eng. HR2 - 3 - 4 - 6</b>	107.95	351K50420	IN	<b>R3465/SCR</b>	48	9.5	137.5	EE	45°
		<b>Eng. HRW2 - 3 - 4 - 6</b>		35150432	EX	<b>R3466/RCR</b>	40	9.5	137.5	EE	45°
1936/69	1/3	JP - JP3 - JP4	114.3	8-1C8A	IN	<b>R0644/N</b>	43	11	166.5	M	45°
				8-1C121	EX	<b>R0645/S</b>	37.5	11	166	M	45°



## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	1	LA 400		70.9652.010 70.9685.010	IN EX	<b>MI5053/S</b> <b>MI5054/R</b>	38 32	8 10	89 89	E E	45° 45°
	1	LA 490		74.9652.011 74.9685.011	IN EX	<b>MI5055/S</b> <b>MI5056/R</b>	42 34	8 10	89 89	E E	45° 45°
	1	LA 205 - LA 250		90.9652.016 90.9685.022	IN EX	<b>MI5051/S</b> <b>MI5052/R</b>	32 28	7 7	94 93.8	Q Q	45° 45°
	1	IH 218 - IW 218		180.9652.044 180.9685.045	IN EX	<b>MI5140/S</b> <b>MI5141/R</b>	28 28	7 7	89.3 89.3	Q Q	45° 45°
		LA80 - LA82		45.2151.13 45.2152.14	IN EX	<b>MI5041/N</b> <b>MI5042/S</b>	40 35	8 8	121.2 121.2	E E	45° 45°
		LA85		51.2151.5 51.2152.10	IN EX	<b>MI5043/N</b> <b>MI5044/S</b>	44 37	8 10	123.7 124.7	E E	45° 45°
		LA65/58		55.2151.7 55.2152.8	IN EX	<b>MI5045/N</b> <b>MI5046/R</b>	28.5 24	7 7	93.5 93.4	R R	45° 45°
	1 2 4	LDA 90 - 91 - 100		262.9652.05 262.9685.25	IN EX	<b>MI5047/S</b> <b>MI5048/R</b>	39.6 32.6	8 8	111 111	E E	45° 45°
	1	LDA 75 - 80		271.9652.005 271.9685.006	IN EX	<b>MI5049/S</b> <b>MI5050/R</b>	31 26.6	7 7	99.2 99	E E	45° 45°
		LDA 672		276.9652.015 276.9685.019	IN EX	<b>MI5064/S</b> <b>MI5065/R</b>	40 35.6	9 9	111.9 111.7	E E	45° 45°
		LDA 450		283.9652.017 283.9685.027	IN EX	<b>MI5066/S</b> <b>MI5067/R</b>	34.4 29.6	7 7	99.35 99	E E	45° 45°
		LDA 820		291.9652.019 291.9685.031	IN EX	<b>MI5062/S</b> <b>MI5063/R</b>	42 35.6	8 8	111.2 111	E E	45° 45°
	2	LDA 360		360.965.2036 360.9685.046	IN EX	<b>MI5086/S</b> <b>MI5087/R</b>	33.5 29.6	8 8	97.5 97.5	E E	45° 45°
	1	500 - 6LD260		500.9652.018 500.9685.028	IN EX	<b>MI5025/S</b> <b>MI5026/R</b>	29.8 25	7 7	84.2 83.8	E E	45° 45°
	1	520 I SERIE		520.9652.025 520.9685.039	IN EX	<b>MI5080/S</b> <b>MI5081/R</b>	31.8 27	7 7	84.2 83.8	E E	45° 45°
	1	520 II SERIE		520.9652.040 520.9685.051	IN EX	<b>MI5090/S</b> <b>MI5091/R</b>	34.4 29.6	7 7	83.85 83.5	E E	45° 45°
	1	6LD 401 - 435		550.9652.099 550.9685.104	IN EX	<b>MI5180/SCR</b> <b>MI5181/BMCR</b>	36.5 31.6	7 7	83.85 83.5	E E	45° 45°
	1	LDA 315		196.9652.130 196.9685.133	IN EX	<b>MI5183/SCR</b> <b>MI5184/BMCR</b>	36 32	7 7	91 91	E E	45° 45°
	2 2 2	9LD 560 - 561 9LD 625 11LD 535 - 625 - 626		435.9652.061 435.9685.067	IN EX	<b>MI5092/S</b> <b>MI5093/R</b>	39 32.5	8 8	102 102	E E	45° 45°





## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	1	710 - 720 - 904 - 914		710.9652.030	IN	<b>MI5082/S</b>	39	8	102	E	45°
	2	7LD 665 - 740 8LD 665 - 740		710.9685.040	EX	<b>MI5083/R</b>	32.5	8	102	E	45°
	2	5LD 825		822.9652.41	IN	<b>MI5134/S</b>	43	9	111.9	E	45°
	3	LDA 832 - 833 - 834		822.968.053	EX	<b>MI5135/R</b>	37.6	9	111.7	E	45°
	4	5LD 930 - 824 - 825									
	3	LDW 1503		104.9652.104	IN	<b>MI5152/SCR</b>	40.5	7	104	I	30°
	4	LDW 2004		104.9685.108	EX	<b>MI5153/BMCR</b>	35.5	7	104	I	45°
	2	LDW 502 - 602 - 903		115.9652.101	IN	<b>MI5154/SCR</b>	33	7	91.2	E	30°
	3	LDW 1204		115.9685.105	EX	<b>MI5155/BMCR</b>	29	7	91.2	E	45°
	4										
	2	9LD - 11 LD		560.9652.153	IN	<b>MI5191/SCR</b>	39	8	102	I	45°
	3			560.9685.146	EX	<b>MI5192/BMCR</b>	32.5	8	102	I	45°
	2	LDW 702 - 1003		175.9652.157	IN	<b>MI5193/SCR</b>	34.5	7	91	E	30°
	3	LDW 1004		175.9685.150	EX	<b>MI5194/BMCR</b>	30.2	7	91	E	45°
	4										
	1	15LD 225		194.9652.148	IN	<b>MI5195/SCR</b>	31.5	6	82	S	30°
				194.9685.151	EX	<b>MI5196/BMCR</b>	27.5	6	82	S	45°
	3	LDW 1503		104.9652.147	IN	<b>MI5197/SCR</b>	40.5	7	102	I	30°
	4	LDW 2004		104.9685.142	EX	<b>MI5198/BMCR</b>	35.5	7	102	I	45°
	3	LDW 1503		104.9652.152	IN	<b>MI5199/SCR</b>	40.5	7	104	I	30°
	4	LDW 2004		104.9685.145	EX	<b>MI5200/BMCR</b>	35.5	7	104	I	45°
	4	LDW 2004 T		111.965.2160	IN	<b>MI5201/BMCR</b>	40.5	7	102	I	30°
				104.9685.142	EX	<b>MI5198/BMCR</b>	35.5	7	102	I	45°

## LOTUS

2007	4	Elise 1.6i 16V <b>Eng. 1ZR-FAE</b> 1598 cc.	80.5	13711-37020 13715-37030	IN EX	<b>R6560/SNT</b> <b>R6561/RNT</b>	32 27.5	5.5 5.5	109.4 108.3	S S	45° 45°
2000	4	Elise 1.8 i 16V <b>Eng. 18K4F</b> 1796 cc.	80	LGH10029 LGH10065 LGH101360	IN EX	<b>R4816/SNT</b> <b>R6118/RNT</b>	27.7 27.4	6 6	89.6 90	S S	45° 45°
2000	4	Elise 111S 1.8 i 16V VVC <b>Eng. 18K4K</b> 1796 cc.	80	LGH10029 LGH10065 LGH101360	IN EX	<b>R4816/SNT</b> <b>R6118/RNT</b>	27.7 27.4	6 6	89.6 90	S S	45° 45°





## MAN

2016 <b>NEW</b>	4	TGE 2.0 TDI 16V TGE 2.0TDI Bi-T 16V <b>Eng. DAUA-DAUB-DAVA</b> DASA-DASB-DASC 1968 cc.	81	04L109601H 04L109611	IN EX	<b>R6992/S</b> <b>R6993/BM</b>	28.09 25	5 5	99.40 99.30	I I	45° 45°
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## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983	6	<b>Eng. D0226 MC/MK/ML</b> <b>Eng. D0226 MT Turbo</b> 5687 cc.	102	51041010425 51041010410	IN EX	<b>R6256/SCR</b> <b>R6257/BMCR</b>	49 42	10 10	136.6 136.3	E E	30° 45°
1986	4	<b>Eng. D0824 GF/LFL</b> 4580 cc.	108								
	6	<b>Eng. D0826 GF/GFA</b> 6871 cc.									
	6	<b>Eng. D0826 TOH</b> 6596 cc.									
1991	6	<b>Eng. D0826 LOH/LF</b> Turbo 6871 cc.									
2005	4	<b>Eng. D0834</b> LFL50 -LFL51-LFL52 LOH50-LOH51 4580 cc.	108	51.041.010.515 51.041.010.516 51.041.010.537 51.041.010.498 51.041.101.506 51.041.010.538	IN EX	<b>R6761/SCR</b>  <b>R6762/BMCR</b>	38 34	7 7	141.5 141.2	I I	30° 45°
2002/04	6	<b>Eng. D0836 EURO 3</b> LF41-LF43-LF44 LFL40-LFL41-LFL44									
2005	6	<b>Eng. D0836 EURO 4</b> LF41-LF43-LF44 LFL40-LFL41-LFL44 6781 CC.									
2004	6	TGA Series <b>Eng. D2066</b> 10520 cc.	120	51041010574 51041010546	IN EX	<b>R6576/BMCR</b> <b>R6577/BMCR</b>	40 38	9 9	160.4 160.4	I I	30° 45°
1960/71	6	<b>Eng. D 2146 MT - Turbo</b> 9659 cc. <b>Eng. D 2156 MT - Turbo</b> 10344 cc.	121	51041010305 51041010379 51041010373	IN IN EX	<b>R4818/SCR</b> <b>R4599/BMCR</b> <b>R4563/BMCR</b>	55.9 55.9 48.9	12 12 12	148.9 148.9 148.9	E E E	45° 30° 45°
1968/74	6	<b>Eng. D 2356 HM</b> 10690 cc.	123	51041010349 51041010364	IN EX	<b>R4582/BMCR</b> <b>R4583/BMCR</b>	59.9 51.9	12 12	148.9 148.5	E E	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1973/80	5	<b>Eng. D 2555 M-MF-MX</b> 9199 cc.	125	51041010332 51041010447	IN EX	<b>R4315/XBCR</b> <b>R4316/BMCR</b>	58 51	12 12	142.5 142.5	E E	45° 45°
1976/80	5	<b>Eng. D 2565 HM-M-ME</b>									
	5	<b>Eng.D 2565 MF-MH-MR</b> 9510 cc.									
1976/80	6	<b>Eng. D 2556 M-MF-MX</b> 11045 cc.									
1976/80	6	<b>Eng. D 2566 HM-M-ME</b> <b>Eng.D 2566 MH-MR-MX</b> 11407 cc. <b>Eng. 2566 MU</b> 11413 cc. <b>Eng. 2566 MUH</b> 11407 cc.									
1972/80	V8	<b>Eng. D 2538 M-ME-MF</b> <b>Eng. D 2538 MFR-MR</b> 12756 cc.									
1972/80	V10	<b>Eng. D2530 ME-MF-MX</b> 15950 cc.									
1980/81	5	<b>Eng. D 2565 HM-M-ME</b> <b>Eng.D 2565 MF-MH-MR</b> 9510 cc. <b>Eng. D 2555 M-MF-MX</b> 9199 cc.	125	51041010405 51041010447 51041010479	IN EX	<b>R4916/SCR</b> <b>R4316/BMCR</b>	57 51	12 12	142.5 142.5	E E	45° 45°
	6	<b>Eng. D 2566 HM-M-ME</b> <b>Eng.D 2566 MH-MR-MX</b> 11407 cc. <b>Eng. 2566 MU</b> 11413 cc. <b>Eng. 2566 MUH</b> 11407 cc.									
	6	<b>Eng. D 2556 M-MF-MX</b> 11045 cc.									
	V8	<b>Eng. D 2538 M-ME-MF</b> <b>Eng. D 2538 MFR-MR</b> 12756 cc.									
	V10	<b>Eng.D 2530 ME-MF-MX</b> 15950 cc.									
	6	<b>Eng. D 2866</b> Industrial Marine Engine 11967 cc.	128								
	V10	<b>Eng.D 2840 ME-MF-MH</b> Industrial Marine Engine 18270 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
51032010088	<b>G3213</b> <b>G11331</b>	IN/EX	64	12.00	18.04 18.09	G	C.I.
	<b>G11574</b> <b>G11575</b>	IN/EX			18.05 18.10		
51032010088	<b>G3213</b> <b>G11331</b>	IN/EX	64	12.00	18.04 18.09	G	C.I.
	<b>G11574</b> <b>G11575</b>	IN/EX			18.05 18.10		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE**  
remarks


**MAN**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1976	5	<b>Eng. D 2565 MT-MK T</b> 9510 cc.	125	51041010375 51041010478	IN	<b>R4635/BMCR</b>	58	12	142.5	E	30°
1976	6	<b>Eng. D 2566 MK-ML-MT</b> <b>Eng. D 2566 Turbo</b> 15900 cc.		51041010447 51041010479	EX	<b>R4316/BMCR</b>	51	12	142.5	E	45°
1976/81	V8	<b>Eng. D 2538 MT-Turbo</b> 12760 cc.									
1976/81	V10	<b>Eng. D 2530 MT-Turbo</b> 15900 cc.									
1976/81	V12	<b>Eng. 2542 MTE Turbo</b> Industrial Marine Engine 20190 cc.									
1989	5	<b>Eng. D 2865 LOH - LUH</b> 9973 cc.	128	51041010375 51041010478	IN	<b>R4635/BMCR</b>	58	12	142.5	E	30°
1983	6	<b>Eng. D 2866 LF2 Turbo</b> <b>Eng. D 2866 KFZ Turbo</b> <b>Eng. D 2866 OH - UH</b> F - Turbo Industrial Engine		51041010447 51041010479	EX	<b>R4316/BMCR</b>	51	12	142.5	E	45°
1989		<b>Eng. D 2866 LOH - LUH</b> LF - Turbo 11967 cc.									
1994		<b>Eng. D 2876 LF - LOH</b> Turbo Euro 2 12810 cc.									
1987	V10	<b>Eng. D 2840 F Turbo</b> <b>Eng. D 2840 LF Turbo</b> 18720 cc.									
1990	V12	<b>Eng. D 2842 LFX Turbo</b> 21930 cc.									
1996	6	F 2000 <b>Eng. E2866</b>	128	51041010438 51041010439	IN EX	<b>R6628/BMCR</b> <b>R6629/BMCR</b>	58 51	12 12	142.5 142.5	E E	30° 30°
1998	6	<b>Eng. D2866 - D2866LUH</b>									
1994	6	<b>Eng. D2566 UH</b> 11967 cc.									
1999	6	<b>Eng. D2866</b> 11967 cc.	128	51041010547 51041010548 51041010482 51041010483	IN EX IN EX	<b>R6331/BMCR</b> <b>R6332/BMCR</b> <b>R6492/BMCR</b> <b>R6493/BMCR</b>	46 46 46 46	9 9 9 9	153.6 153.6 153.7 153.7	I I E E	30° 45° 30° 45°
2002	6	TGA Series <b>Eng. D2876 LF12 4V</b> 12816 cc.	128	51041010523 51041010524	IN EX	<b>R6578/BMCR</b> <b>R6579/BMCR</b>	44 41	9 9	153.6 153.6	I I	30° 45°
	6	<b>Eng. D 2876 LUH 01</b> LUH 02 - LUH 03 Euro 2 12816 cc.	128	51041010509 51041010501	IN EX	<b>R6649/BMCR</b> <b>R6650/BMCR</b>	58 51	12 12	142.3 142.4	A A	30° 45°





## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1968/71	4	Familia 1200 <b>Eng. BTA 55/65</b> 1169 cc.	70	26812111	IN	<b>R3813/S</b>	34.5	7	108.5	E	45°
				26812121	EX	<b>R3814/RCR</b>	29	7	98.5	E	45°
1996/07-97	4	121 1.2 16V <b>Eng. DHA</b> 1242 cc.	71.9	1E05-12111	IN	<b>R4790/SCR</b>	26	6	98	E	45°
				1E05-12121	EX	<b>R4791/RCR</b>	22	6	100	E	45°
08/97	4	121 1.2 16V <b>Eng. DHA</b> 1242 cc.	71.9		IN	<b>R4992/SCR</b>	26	6	97.7	I	45°
					EX	<b>R4993/RCR</b>	22	6	99.7	I	45°
	4	121 1.3 16V <b>Eng. B3</b> 1323 cc. 323 1.3 16V <b>Eng. TC</b> 1272 cc.	71	B3C7-12-111A	IN	<b>R6254/SNT</b>	25.5	6	108.3	EE	45°
				B3D2-12.121A B3C7-12-121A	EX	<b>R6255/RARNT</b>	21.3	6	109.2	EE	45°
			73								
2003	4	2 1.2 16V <b>Eng. C2</b> 1242 cc.	72	C201-12111	IN	<b>R6464/SNT</b>	26	6	99.7	I	45°
				C201-12121	EX	<b>R6465/RNT</b>	22	6	101.8	I	45°
1971	4	Craft 1500 <b>Eng. UA</b>		57112111	IN	<b>R3815/S</b>	38	8	115	EE	30°
				57112121	EX	<b>R3816/RCR</b>	30	8	115	EE	45°
2004	4	3 1.4 i 16V 1349 cc.	74	ZJ01-12111A	IN	<b>R6475/SNT</b>	27.7	5.5	98.3	S	45°
				ZJ01-12121	EX	<b>R6476/RNT</b>	24	5.5	98.8	S	45°
2013 <b>NEW</b>	4	3 1.5 16V <b>Eng. P5Y</b> 1496 cc.	74.5	P501-12-111	IN	<b>R6958/SNT</b>	29.20	5.5	103.75	S	45°
				P501-12-121	EX	<b>R6959/RNT</b>	26.20	5.5	113.25	S	45°
2014 <b>NEW</b>	4	2 1.5 16V <b>From Eng. 150202</b> <b>Eng. P5-P5Y5-P5Y4</b> <b>Eng. P5Y6</b> 1496 cc.	74.5	P54G-12-111	IN	<b>R6964/SNT</b>	29.20	5.5	103.75	S	45°
				P54G-12-121	EX	<b>R6965/RNT</b>	26.25	5.5	113.40	S	45°
2003	4	2 1.4 i 16V <b>Eng. FXJA</b> 1388 cc.	76	C6011-21111	IN	<b>R6413/SCR</b>	28	6	99.4	I	45°
				C4011-2121	EX	<b>R6196/RCR</b>	24.1	6	101.4	I	45°
2003	4	2 1.6 i 16V <b>Eng. FYJA</b> 1596 cc.	76	C601--12111	IN	<b>R6195/SCR</b>	30	6	99	I	45°
				C4011-2121	EX	<b>R6196/RCR</b>	24.1	6	101.4	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11221</b> <b>G11222</b> <b>GS11221</b> <b>G3520</b> <b>G3577</b>	IN/EX IN/EX IN/EX	39 39 36	6 6 6.08	11.05 11.10 11.05 12.03 12.08	G SM G	L L L
	<b>G11221</b> <b>G11222</b> <b>GS11221</b> <b>G3520</b> <b>G3577</b>	IN/EX IN/EX IN/EX	39 39 36	6 6 6.08	11.05 11.10 11.05 12.03 12.08	G SM G	L L L
B6Z0-10-280	<b>G11211</b> <b>G11212</b>	IN	48.6	6.01	11.05 11.10	G	L-X
B6Z0-10-290	<b>G11213</b> <b>G11214</b>	EX	48.6	6.01	11.05 11.10	G	L-X-U
	<b>G11221</b> <b>G11222</b> <b>GS11221</b> <b>G2730</b>	IN/EX IN/EX IN/EX	39 39 64	6 6 8	11.05 11.10 11.05 15.05	G SM G	L L L C.I.
	<b>G11427</b> <b>GS11427</b>	IN/EX IN/EX	39 39	5.5 5.5	11.05 11.05	G SM	L L
	<b>G3520</b> <b>G3577</b> <b>G11492</b>	IN/EX IN/EX	36 48.6	6.08 6.01	12.03 12.08 11.05	G G	L L-X-U
	<b>G3499</b> <b>G11190</b> <b>GS3499</b>	IN/EX IN/EX	40.5 40.5	6 6	11.04 11.09 11.04	G SM	L-X L-X

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1004442 1004443	<b>PI 03-111</b>	M
	<b>PI 06-0020</b>	I
	<b>PI 03-111</b>	M
	<b>PI 06-0003</b>	I


 NOTE  
remarks

MAZDA

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1969/78	4	618 1800 Courier 1800 Luce 1800 - Titan 1800 <b>Eng. VB</b> 1796 cc.	78	029012111C D27Z6505A	IN EX	<b>R3817/S</b> <b>R3818/RCR</b>	42 33	8 8	108.5 107	EE EE	45° 45°
1970/77		616 1600 - 626 1600 808 1600 - Bongo 1600 Capella 1600 Proceed 1600 B/E 1600 <b>Eng. NA</b> 1586 cc.									
1973/82		626 1800 - 929 1800 Bongo 1800 Capella 1800 Cosmo 1800 Proceed 1800 <b>Eng. VC</b> 1769 cc.	80	029012111C D27Z6505A	IN EX	<b>R3817/S</b> <b>R3818/RCR</b>	42 33	8 8	108.5 107	EE EE	45° 45°
1977/80		121 2000 - 626 2000 929 2000 - B/T 2000 Capella 2000 Cosmo 2000 Courier 2000-Luce 2000 <b>Eng. MA</b> 1970 cc.									
2004	4	3 1.6 i 16V <b>Eng. B6ZE</b> 1598 cc.	78	ZY01-12111A ZY01-12121	IN EX	<b>R6477/SNT</b> <b>R6478/RNT</b>	29.2 25.9	5.5 5.5	97.1 96.6	S S	45° 45°
2003	4	2 1.4 i 16V <b>Eng. FXJA</b> 1388 cc.	79	C6011-21111 C4011-2121	IN EX	<b>R6413/SCR</b> <b>R6196/RCR</b>	28 24.1	6 6	99.4 101.4	I I	45° 45°
2003	4	21.6 i 16V <b>Eng. FYJA</b> 1596 cc.	79	C601-12111 C4011-2121	IN EX	<b>R6195/SCR</b> <b>R6196/RCR</b>	30 24.1	6 6	99 101.4	I I	45° 45°
1982	4	Capella - Telstar 1600 <b>Eng. F6</b> 1587 cc.	80	F60112111A F60612121	IN EX	<b>R4647/SNT</b> <b>R4648/RNT</b>	41 34	8.1 8.1	111.8 111.8	EE EE	45° 45°
1993	4	Famila 323 1.8i 16V MX5 1.8i 16V <b>Eng. BP/B5</b> 1840 cc.	83	BP05-12111 BP05-12121A	IN EX	<b>R6027/SNT</b> <b>R6028/RNT</b>	32.9 28	6 6	101.7 102	EE EE	45° 45°
2002 2005	4	5 1.8 i 16V 6 1.8 i 16V <b>Eng. L8</b> 1798 cc.	83		IN EX	<b>R6341/SNT</b> <b>R6342/RNT</b>	32.5 28	5.5 5.5	103.4 104.6	S S	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
8173-23-090	<b>G3216</b>	IN/EX	50.5	8.06	14.06	G	L-U
8173-23-090	<b>G3216</b>	IN/EX	50.5	8.06	14.06	G	L-U
	<b>G11427</b> <b>GS11427</b>	IN/EX IN/EX	39 39	5.5 5.5	11.05 11.05	G SM	L L
	<b>G3520</b> <b>G3577</b>	IN/EX	36	6.08	12.03 12.08	G	L
	<b>G3499</b> <b>G11190</b> <b>GS3499</b>	IN/EX IN/EX	40.5 40.5	6 6	11.04 11.09 11.04	G SM	L-X L-X
8173-23-090	<b>G3216</b>	IN/EX	50.5	8.06	14.06	G	L-U
B6Z0-10-280	<b>G11211</b> <b>G11212</b>	IN	48.6	6.01	11.05 11.10	G	L
B6Z0-10-290	<b>G11213</b> <b>G11214</b>	EX	48.6	6.01	11.05 11.10	G	L
	<b>G11427</b> <b>GS11427</b>	IN/EX IN/EX	39 39	5.5 5.5	11.05 11.05	G SM	L L





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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0020</b>	I


**NOTE  
remarks**
**MAZDA**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2011 2013 2014	4	CX-5 2.0 16V 6 2.0 16V 3 2.0 16V <b>Eng. PEY6 - PEY7</b> 1998 cc.	83.5	PE01-12-111 PE01-12-121	IN EX	<b>R6823/SNT</b> <b>R6824/RNT</b>	33.20 28	5.5 5.5	107.05 117	S S	45° 45°
2013	4	3 2.0i 16V <b>Eng. PEY7</b> 1998 cc.	83.5	PE01-12-111 PE01-12-121	IN EX	<b>R6823/SNT</b> <b>R6824/RNT</b>	33.20 28	5.5 5.5	107.05 117	S S	45° 45°
2007	4	CX-7 2.3 16V T DISI <b>Eng. MZR TURBO 16V</b> 2261 cc.	87	L3K9-12-111 L3K9-12121C	IN EX	<b>R6615/SNT</b> <b>R6616/BMARCR</b>	35 30	6 6	103.5 104.7	S S	45° 45°
2002 2003 2005	4	6 2.0 16V 3 2.0 i 16V 5 2.0 i 16V <b>Eng. LF</b> 1998 cc.	87.5	LF01-12111 LF01-12121	IN EX	<b>R6370/SNT</b> <b>R6371/RNT</b>	35 30	5.5 5.5	103.4 104.6	S S	45° 45°
2003	4	6 2.3 16V MPV 2.3 16V <b>Eng. L3</b> 2261 cc.	87.5	LF01-12111 LF01-12121	IN EX	<b>R6370/SNT</b> <b>R6371/RNT</b>	35 30	5.5 5.5	103.4 104.6	S S	45° 45°
2013 <b>NEW</b>	4	3 2.5i 16V SKYACTIVE <b>Eng. PYY1</b> 2488 cc.	89	PY01-12-111 PY01-12-121	IN EX	<b>R6962/SNT</b> <b>R6963/RNT</b>	35.5 30.7	5.5 5.5	107.3 117.45	S S	45° 45°
1959	4	Titan E2 - 2000 Titan T3 - 3000		SE0112111 SE0112121	IN EX	<b>R4672/SNT</b> <b>R4673/RNT</b>	45 37.5	9 9	114.8 114.8	EE EE	45° 30°

## MAZDA DIESEL

2003	4	2 1.4 CDTi <b>Eng. F6JA-F6JB</b> 1398 CC.	73.7	Y4011-2111 Y4011-2121	IN EX	<b>R6149/SCR</b> <b>R6150/BMCR</b>	32.8 30.2	5.5 5.5	97.5 97.5	I I	45° 45°
2003	4	3 1.6 CDTi 16V <b>Eng. Y6</b> 1560 cc.	75	Y6011-2111 Y6011-2121	IN EX	<b>R6397/SCR</b> <b>R6398/BMCR</b>	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2014 <b>NEW</b>	4	2 1.5D 16V <b>Eng. S5Y5</b> 1499 cc.	76	S550-12-111 S550-12-121	IN EX	<b>R6960/SNT</b> <b>R6961/RNT</b>	25.50 21.6	5.5 5.5	97.15 97.05	S S	45° 45°
2012 2013 2014 <b>NEW</b>		CX5 2.2 D 6 2.2 D 3 2.2 D <b>Eng. SHY1</b> 2191 cc.	83.5	SH01-12-111 SH01-12-121A SH01-12-121D	IN EX	<b>R6821/SNT</b> <b>R6822/RNT</b>	29.7 25.45	5.5 5.5	103 100	S S	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11427</b>	IN/EX	39	5.5	11.05	G	L
	<b>GS11427</b>	IN/EX	39	5.5	11.05	SM	L
	<b>G11427</b>	IN/EX	39	5.5	11.05	G	L
	<b>GS11427</b>	IN/EX	39	5.5	11.05	SM	L
	<b>G11413</b>	IN/EX	34	5.5	9.54	G	L
	<b>G11414</b>				9.59		
	<b>G11413</b>	IN/EX	34	5.5	9.54	G	L
	<b>G11414</b>				9.59		





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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
Y401-12-130	<b>PI 06-0019</b> <b>RA06-914</b>	I
Y601-12-130	<b>PI 06-0019</b> <b>RA06-934</b>	I


**NOTE  
remarks**
**MAZDA**
**MAZDA DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983	4	Bongo 2000 D Capella 2000 D Spectrum 2000 D <b>Eng. RF</b> 1998 cc. Bongo 2200 D <b>Eng. R 2</b> 2184 cc.	86	RF01-12111	IN	<b>R4390/SNT</b>	41	8	107	EE	45°
				RF01-12121B	EX	<b>R4391/RNT</b>	36	8	106.8	EE	45°
1994	4	323 2.0 TD 626 2.0 TD Primacy 2.0 TD <b>Eng. RF</b>	86	RF01-12111	IN	<b>R4390/SNT</b>	41	8	107	EE	45°
1997	E2000/2200 2.2 D <b>Eng. R2</b> 1998 cc.	RF01-12121B		EX	<b>R4391/RNT</b>	36	8	106.8	EE	45°	
1998	4	323 2.0 DIDT 16V 626 2.0 DIDT 16V Primacy 2.0 DIDT 16V <b>Eng. RF2</b> 1998 cc.	86	RF2A-12111	IN	<b>R6374/SNT</b>	29.7	6	115.3	S	45°
				RF2A-12121	EX	<b>R6416/RNT</b>	25.5	6	114.6	S	45°
2002	4	6 2.0 CDTi 16V	86	RF5C-12111	IN	<b>R6415/SNT</b>	27.2	6	115.2	S	45°
2005	5 2.0 CDTi 16V	RF5C-12121		EX	<b>R6416/RNT</b>	25.5	6	114.6	S	45°	
2008	6 2.0 CDTi 16V <b>Eng. RF5C-RF7J-RF4F</b> 1998 cc.										
2009	4	6 2.2 CD	86	R2AA-12-111	IN	<b>R6609/SNT</b>	27.30	6	91.80	S	45°
2009	CX 7 2.2 CD <b>Eng. MRZ</b> <b>Eng. R2AA-R2BF</b> 2184 cc.	R2AA-12-121		EX	<b>R6610/RNT</b>	25.40	6	91.30	S	45°	
2013 <b>NEW</b>	4	3 2.2 D 16V <b>Eng. SHY1</b> 2191 cc.	86	SH01-12-111	IN	<b>R6821/SNT</b>	29.7	5.5	103	S	45°
				SH01-12-111B SH01-12-121A SH01-12-121D	EX	<b>R6822/RNT</b>	25.45	5.5	100	S	45°
1999	4	MPV 2500 TDI <b>Eng. WLT</b> B2500 <b>Eng. W6</b> 2499 cc.	93	WL51-12111	IN	<b>R6424/SNT</b>	32.7	7	111.9	EE	45°
				WL51-12121A	EX	<b>R6425/RNT</b>	35.6	7	111.8	EE	45°
2006 <b>NEW</b>	4	BT-50 tdi 16V <b>Eng. WL</b> 2499 cc.	93	1449108	IN	<b>R6698/SNT</b>	31	6	112	S	45°
				6M346507AA 1449109 6M346505AA	EX	<b>R6699/RNT</b>	28	6	112	S	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
011-10-280	<b>G3596</b>	IN	40.5	8.03	14.03	G	L
011-10-290	<b>G3597</b>	EX	37.7	8.03	14.03	G	L
011-10-280	<b>G3596</b>	IN	40.5	8.03	14.03	G	L
011-10-290	<b>G3597</b>	EX	37.7	8.03	14.03	G	L
RFY1-10291	<b>G11430</b>	IN/EX	45	6.05	11.04	G	L-X
RFY1-10291	<b>G11430</b>	IN/EX	45	6.05	11.04	G	L-X
RFY1-10291	<b>G11430</b>	IN/EX	45	6.05	11.04	G	L-X

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
RF2A-12-130C RF2A-12-150C	<b>RA06-983*</b> <b>RA06-984*</b>	
R2AA-12-130B	<b>RA06-982</b>	
SH01-12-130	<b>PI 06-0019</b> <b>RA06-999</b>	I
1449039 6M346564AA	<b>RA06-974</b>	


**NOTE  
remarks**

<b>RA06-984*</b> LONG VERSION	

**MAZDA DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.			
							D	d	L	

## MERCEDES BENZ

1997	4	A 140 1.4 i <b>Eng. M166.940</b> 1397 cc.	80	1660530101 1660500327	IN EX	<b>R6130/SNT</b> <b>R6131/RNT</b>	40 34	6 7	103 102.7	E E	45° 45°
1997		A 160 1.6 i <b>Eng. M166.960</b>									
2002		Vaneo 1.6 i <b>Eng. M166.961</b> 1598 c.c									
2002	4	C180 Kompressor 16V C 200 Kompressor 16V CLK 200 Kompressor 16V E 200 Kompressor 16V C 230 Kompressor 16V <b>Eng. M271.940/941/946</b> <b>Eng. M271.948</b> 1796 cc.	82	2710530001 2710500027	IN EX	<b>R6470/SCR</b> <b>R6471/BMARCR</b>	30.5 27	7 7	105.4 109.2	EE EE	45° 45°
2007	4	C180 Kompressor 16V C 200 Kompressor 16V <b>Eng. M271.950/952</b> 1796 cc.	82	2710530501 2710530601 2710500627	IN EX	<b>R6630/SCR</b> <b>R6631/BMARCR</b>	30.5 27	6 6	105.4 109.3	I I	45° 45°
2007/09	4	C180 1.8 i 16V Kompressor <b>Eng. M271.820</b>	82	2710531001 2710501127	IN EX	<b>R6918/SCR</b> <b>R6919/BMARCR</b>	32 28	6 6	105.5 109.3	I I	45° 45°
2010/13		C200 1.8 Cgi 16V									
2009/15		C250 1.8 Cgi 16V									
2009/13		E200 1.8 Cgi 16V									
		E250 1.8 Cgi 16V									
2011/15		SLK 200 1.8 CGI 16V Kom <b>Eng. M271.820/860</b>									
2011/15		SLK 250 1.8 CGI 16V Kom <b>Eng. M271.860/861</b> 1796 cc.									
2004	4	A 150	83	1160530201	IN	<b>R6132/SNT</b>	43	6	103	E	45°
2005		B 150 <b>Eng. MB266.920</b> 1498 CC.		2660530105 2660500027	EX	<b>R6472/RNT</b>	35	7	102.7	E	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6060531229	<b>G11057</b>	IN	37.5	6	12.57	G	C.I.
	<b>G11058</b>				12.62		
	<b>G11059</b>				12.67		
1110531029	<b>G11039</b>	EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>				12.67		
	<b>G11401</b>	IN/EX	40	7	12.57	G	C.I.
	<b>G11402</b>				12.62		
1110531029	<b>G11039</b>	EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G3544</b>	IN/EX	43.5	6	12.56	B	C.I.
	<b>G3548</b>				12.61		
	<b>G3544</b>	IN/EX	43.5	6	12.56	B	C.I.
	<b>G3548</b>				12.61		
6060531229	<b>G11057</b>	IN	37.5	6	12.57	G	C.I.
1110531029	<b>G11039</b>	EX	37.5	7	12.57	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
1130500080	<b>PI 06-0034</b>	I
1660500080		
6420500080	<b>PI 06-0030</b>	I
2710500080	<b>PI 06-0060</b>	I
27105000333	<b>RA06-947</b>	
27105000533		
6420500080	<b>PI 06-0030</b>	I
2710500080	<b>PI 06-0060</b>	I
27105000333	<b>RA06-947</b>	
27105000533		
2760500000	<b>PI 06-0019</b>	I
2760500233	<b>RA06-965</b>	
2760501400		
1130500080	<b>PI 06-0034</b>	I
1660500080		

**NOTE  
remarks**

**PI 06-0030**  
From Eng. 31216220  
**PI 06-0060**  
Up to Eng. 31216219

**PI 06-0030**  
From Eng. 31216220  
**PI 06-0060**  
Up to Eng. 31216219

**MERCEDES BENZ**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2015	4	A 160	83	A2700530100	IN	<b>R6880/SCR</b>	31.5	6	115.8	I	45°	
2012		A 180		A2700500100	EX	<b>R6881/BMCR</b>	25	6	107.1	I	45°	
2012		A 200										
2015		B 160										
2011		B 180										
2011		B 200										
2012		C180										
2015		C160										
2013		CLA 180										
2013		CLA 200										
2017		E180										
2016		SLC 180										
2015		GLA 180										
<b>NEW</b>		<b>Eng. M270.910 - M274.910</b> 1595 cc.										
2004		4		A 170	83	1160530201	IN	<b>R6132/SNT</b>	43	6	103	E
2005	B 170		2660530105	EX		<b>R6472/RNT</b>	35	7	102.7	E	45°	
		<b>Eng. M266.940</b> 1699 cc.		2660500027								
2014	4	A220 4 MATIC	83	A2700530100	IN	<b>R6880/SCR</b>	31.5	6	115.8	I	45°	
2012		A250		A2700500100	EX	<b>R6881/BMCR</b>	25	6	107.1	I	45°	
		B220 4MATIC										
		B250										
		C200										
		C250										
2014		C300										
2015		C350										
2013		CLA200										
		CLA220										
2015		CLA180										
2013		E200										
2016		E250										
2016		E350										
2013		GLA250										
<b>NEW</b>		<b>Eng.M 270.920- M274.920</b> 1991 cc.										

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6060531229 1110531029	<b>G11057</b> <b>G11039</b>	IN EX	37.5 37.5	6 7	12.57 12.57	G G	C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-965</b>	
1130500080 1660500080	<b>PI 06-0034</b>	
	<b>PI 06-0019</b> <b>RA06-965</b>	


**NOTE**  
remarks

**MERCEDES BENZ**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓							
							D	d	L					
2018 <b>NEW</b>	4	A220 4 MATIC	83	A2700530100	IN	<b>R6880/SCR</b>	31.5	6	115.8	I	45°			
		A250		A2640530200			EX	<b>R6999/BMNT</b>	24.5	6	107.1	I	45°	
		B220 4MATIC												
		B250												
		C200												
		C250												
		C300												
		C350												
		CLA200												
		CLA220												
		CLA180												
		E200												
E250														
E350														
GLA250														
		<b>Eng. M260.920-M264.915/920</b>												
		1991 cc.												
2004	4	A 200	83	1160530201	IN	<b>R6132/SNT</b>	43	6	103	E	45°			
2005		B 200		2660530105	EX	<b>R6472/RNT</b>	35	7	102.7	E	45°			
		<b>Eng. M266.960/980</b>		2660500027										
		2034 cc.												
1998	4	A 190 1.9 i	84	1160530201	IN	<b>R6132/SNT</b>	43	6	103	E	45°			
		<b>Eng. M166.990</b>		1160500427	EX	<b>R6133/RNT</b>	36	7	102.8	E	45°			
		1898 cc.												
2002		Vaneo 1.9 i												
		<b>Eng. M166.991</b>												
		1898 cc.												
2002		A210 2.1 i												
		<b>Eng. M166.995</b>												
		2084 cc.												
1995	4	C 180 1.8 i 16V	85.3	1110531201	IN	<b>R4759/SNT</b>	33	7	101.5	EE	45°			
		<b>Eng. 111.920 E18</b>		1110501327	EX	<b>R4761/RARNT</b>	29	7	103.5	EE	45°			
		<b>From eng. N. 10-021-891</b>												
		<b>From eng. N. 12-008-004</b>												
		1799 cc.												
1976/80	6	280 - 280 S - 280 E	86	1100500726	IN	<b>R3605/SCR</b>	45	9	115	EE	45°			
		280 SE - SEL - SL		1100500027	EX	<b>R3606/RCR</b>	37	11	118	EE	45°			
		<b>Eng. M110</b>												
		2746 cc.												
1980	6	280 S	86	1100500726	IN	<b>R3605/SCR</b>	45	9	115	EE	45°			
		280 E - CE - TE - SE		1170500127	EX	<b>R4471/BMARCR</b>	39.1	9	118.2	EE	45°			
		280 GE 4X4		1170500027										
1983		<b>Eng. M110</b>												
		2746 cc.												

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6060531229 1110531029	<b>G11057</b> <b>G11039</b>	IN EX	37.5 37.5	6 7	12.57 12.57	G G	C.I. C.I.
6060531229 1110531029	<b>G11057</b> <b>G11058</b> <b>G11059</b> <b>G11039</b> <b>G11040</b> <b>G11041</b>	IN EX	37.5 37.5	6 7	12.57 12.62 12.67 12.57 12.62 12.67	G G	C.I. C.I.
1110531029	<b>G11039</b> <b>G11040</b> <b>G11041</b>  <b>G11401</b> <b>G11402</b>	IN/EX IN/EX	37.5 40	7 7	12.57 12.62 12.67 12.57 12.62	G G	C.I. C.I.
1100505324 1100503424 1100506524	<b>G3391</b> <b>G3082</b>	IN EX	51.5 54	9 11	14.06 15.06	B B	C.I. C.I.
1100502625 1100505424 1100504124 1100505924	<b>G3096</b>  <b>G3097</b>	IN EX	51.5 54	9 9	14.06 15.06	B B	C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-965</b>	I
1130500080 1660500080	<b>PI 06-0034</b>	I
1130500080 1660500080	<b>PI 06-0034</b>	I
1040501225	<b>PI 06-0035</b>	I


 NOTE  
remarks

MERCEDES BENZ

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1968/80	4	200 <b>Eng. M115</b> 1988 cc.	87	1150530201	IN	<b>R4187/R</b>	44	9	128	EE	45°
1967/74		220 <b>Eng. M115</b> 2197 cc.		1150530101 1150500027	EX	<b>R4188/R</b>	37	11	113.2	EE	45°
1981	V8	380 SE - SEL - SEC <b>Eng. M116</b> 3839 cc.	88	1160500426	IN	<b>R4475/RNT</b>	39.1	9	117	EE	45°
					1160500027	EX	<b>R4476/BMARCR</b>	37.1	9	118.2	EE
2007	V6	C230 <b>Eng. M272.921</b> 2496 cc.	88	2720530801	IN	<b>R6632/SCR</b>	37	6	109.4	I	45°
					2720530201 2720500927 2720500227	EX	<b>R6633/BMARCR</b>	28	6	107.5	I
2007	V6	C280 - R280 - E 280 <b>Eng. M272.943/945/947</b> 2996 cc.	88	2720530801	IN	<b>R6632/SCR</b>	37	6	109.4	I	45°
					2720530201 2720500927 2720500227	EX	<b>R6633/BMARCR</b>	28	6	107.5	I
1985	6	300 E	88.5	1030532001	IN	<b>R4473/SNT</b>	43	8	110.3	EE	45°
1987		300 SE - SEL		1030501727	EX	<b>R4474/RARCR</b>	39	9	110.9	EE	45°
1989		300 E - CE - TE 300 E - TE 4 Matic 300 SL 300 GE 4X4 <b>Eng. M103</b> 2962 cc.									
1989/92	6	300 E 24V	88.5	1040531001	IN	<b>R6258/SCR</b>	35	8	101.5	EE	45°
		300 SL 24V <b>Eng. M104.980/81</b> 2960 cc.		1040501427	EX	<b>R6259/BMCR</b>	31	9	103.5	EE	45°
1982	4	190	89	1020530601	IN	<b>R4183/SCR</b>	40	8	114.9	EE	45°
		<b>Eng. M102</b> 1997 cc.		1020500427	EX	<b>R4184/BMCR</b>	36	9	115.8	EE	45°
1990	4	190 E 1.8	89	1020530901	IN	<b>R4185/SCR</b>	43	8	114.9	EE	45°
1984		1797 cc.		1030531601							
		190 - 190 E 200 - 200 T 200 E 200 GE 4X4 <b>Eng. M 102</b> 1997 cc.		1030531801 1020500327 1020500027	EX	<b>R4186/BMARCR</b>	39	9	115.8	EE	45°
1992	V12	CL 600 6.0 V12 48V	89	1110530201	IN	<b>R6428/SCR</b>	35	7	101.5	I	45°
		S 600 6.0 i V12 48V <b>Eng. M120.982</b> 5987 cc.		1110500527	EX	<b>R6429/BMARCR</b>	31	7	103.5	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1300500124	<b>G2140</b> <b>G2141</b>	IN	55	9	14.04 14.09	B	C.I.
1080500524	<b>G2142</b> <b>G2143</b>	EX	45	11	15.04 15.09	B	C.I.
1160504724	<b>G3181</b>	IN	47.5	9	14.06	B	C.I.
1160504924	<b>G3182</b>				14.26		
1160505324	<b>G3183</b>	EX	50.5	9	15.06	B	C.I.
1160505524	<b>G3184</b>				15.26		
1160503624	<b>G3083</b>	IN	47.5	9	14.06	B	C.I.
1170500624	<b>G3084</b>	EX	50.5	9	15.06	B	C.I.
	<b>G3544</b> <b>G3548</b>	IN/EX	43.5	6	12.56 12.61	B	C.I.
	<b>G3544</b> <b>G3548</b>	IN/EX	43.5	6	12.56 12.61	B	C.I.
1030500324	<b>G3175</b> <b>G3377</b>	IN	42	8	14.04 14.09	B	C.I.
1030500724	<b>G3176</b> <b>G3380</b>	EX	48	9	14.04 14.09	B	C.I.
1040503724	<b>G3389</b>	IN	35.5	8	13.53	B	C.I.
1040502724	<b>G3390</b>	EX	38	9	13.53	B	C.I.
1020501724	<b>G3089</b> <b>G3364</b>	IN	46	8	14.05 14.10	B	C.I.
1020501824	<b>G3090</b> <b>G3367</b>	EX	51	9	14.05 14.10	B	C.I.
1020501724	<b>G3089</b> <b>G3364</b>	IN	46	8	14.05 14.10	B	C.I.
1020501824	<b>G3090</b> <b>G3367</b>	EX	51	9	14.05 14.10	B	C.I.
1110531029	<b>G11039</b> <b>G11040</b> <b>G11041</b>	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6420500080 2720500033	<b>PI 06-0019</b> <b>RA06-972</b>	I
6420500080 2720500033	<b>PI 06-0019</b> <b>RA06-972</b>	I



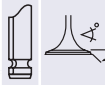


 NOTE  
remarks

**G3083 OLD TYPE**  
**G3084 OLD TYPE**

MERCEDES BENZ

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1992/96	4	200 E-CE 2.0 i 16V <b>Eng. M111.940</b>	89.9	1110530201	IN	<b>R6428/SCR</b>	35	7	101.5	I	45°
1994/96		C 200 2.0 i 16V CLK 200 2.0 i 16V <b>Eng. M111.941</b> E 200 2.0 i 16V <b>Eng. M111.940</b> 1998 cc.		1110500527	EX	<b>R6429/BMARCR</b>	31	7	103.5	I	45°
1996	4	200 E-CE 2.0 i 16V <b>Eng. M111.940</b>	89.9	1110531101	IN	<b>R4758/SNT</b>	35	7	101.5	EE	45°
1997		C 200 2.0 i 16V		1110501227	EX	<b>R4760/RARNT</b>	31	7	103.5	EE	45°
1996		CLK 200 2.0 i 16V <b>Eng. M111.941/945</b>		1110501427							
1996		C200 2.0 i 16V Komp.									
1995		CLK 200 2.0 i 16V Komp. <b>Eng. M111.944</b>									
1996		E 200 2.0 i 16V <b>Eng. M111.940/942</b>									
1997		SLK 200 2.0 i 16V <b>Eng. M111.946</b>									
1997		SLK 200 2.0 i 16V Komp. <b>Eng. M111.943</b>									
1999		E 200 2.0 i 16V Komp. <b>Eng. M111.947</b> 1998 cc.									
1992/96	4	220 E-CE 2.2 i 16V E220 2.2 i 16V <b>Eng. M111.960</b>	89.9	1110530201	IN	<b>R6428/SCR</b>	35	7	101.5	I	45°
1993/96	4	2199 cc. C220 2.2 i 16V <b>Eng. M111.961</b> 2198 cc.		1110500527	EX	<b>R6429/BMARCR</b>	31	7	103.5	I	45°
1996	4	220 E-CE 2.2 i 16V	89.9	1110531101	IN	<b>R4758/SNT</b>	35	7	101.5	EE	45°
1996		E220 2.2 i 16V <b>Eng. M111.960</b>		1110501227	EX	<b>R4760/RARNT</b>	31	7	103.5	EE	45°
1996		C220 2.2 i 16V <b>Eng. M111.961</b> 2199 cc.		1110501427							

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1110531029	<b>G11039</b>	IN/EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>				12.67		
	<b>GS11039</b>	IN/EX	37.5	7	12.57	SM	C.I.
	<b>G11518*</b>	IN/EX	37.5	7	12.57	B	C.I.
1110531029	<b>G11039</b>	IN/EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>				12.67		
	<b>GS11039</b>	IN/EX	37.5	7	12.57	SM	C.I.
	<b>G11518*</b>	IN/EX	37.5	7	12.57	B	C.I.
1110531029	<b>G11039</b>	IN/EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>				12.67		
	<b>GS11039</b>	IN/EX	37.5	7	12.57	SM	C.I.
	<b>G11518*</b>	IN/EX	37.5	7	12.57	B	C.I.
1110531029	<b>G11039</b>	IN/EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>				12.67		
	<b>GS11039</b>	IN/EX	37.5	7	12.57	SM	C.I.
	<b>G11518*</b>	IN/EX	37.5	7	12.57	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0035</b>	I
	<b>PI 06-0035</b>	I


**NOTE  
remarks**
**G11518\***  
VERSIONE BRONZO

**G11518\***  
VERSIONE BRONZO



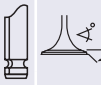
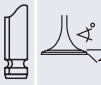
**G11518\***  
VERSIONE BRONZO

**G11518\***  
VERSIONE BRONZO

**MERCEDES BENZ**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1992/96	6	280 E 2.8 i 24V <b>Eng. M104.942</b>	89.9	1110530201	IN	<b>R6428/SCR</b>	35	7	101.5	I	45°
1993/96		300 E-SE 2.8 i 24V <b>Eng. M104.944</b>		1110500527	EX	<b>R6429/BMARCR</b>	31	7	103.5	I	45°
1993/96	V6	C280 2.8 i V6 24V <b>Eng. M104.941</b>									
1993/96	6	E 280 2.8 i 24V <b>Eng. M104.942</b>									
1993/97		S280 2.8 i 24V <b>Eng. M104.944</b>									
1993/97		SL 280 2.8 i 24V <b>Eng. M104.943</b> 2799 cc.									
1996	6	280 E 2.8 i 24V <b>Eng. M104.942</b>	89.9	1110531101	IN	<b>R4758/SNT</b>	35	7	101.5	EE	45°
		300 E-SE 2.8 i 24V <b>Eng. M104.944</b>		1110501227	EX	<b>R4760/RARNT</b>	31	7	103.5	EE	45°
		E 280 2.8 i 24V <b>Eng. M104.942/945</b>									
		SL 280 2.8 i 24V <b>Eng. M104.943</b>									
1998		S 280 2.8 i 24V <b>Eng. M104.944</b>									
	V6	C 280 2.8 i V6 24V <b>Eng. M104.941</b> 2799 cc.									
1992/96	6	320 E-CE 3.2 i 24V <b>Eng. M104.992</b>	89.9	1110530201	IN	<b>R6428/SCR</b>	35	7	101.5	I	45°
1993/96		E 320 3.2 i 24V <b>Eng. M104.992</b>		1110500527	EX	<b>R6429/BMARCR</b>	31	7	103.5	I	45°
1992/97		S 320 3.2 i 24V <b>Eng. M104.994</b>									
1993/96		SL 320 3.2 i 24V <b>Eng. M104.991</b>									
1993/95		G 320 3.2 i 24V <b>Eng. M104.996</b> 3199 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1110531029	<b>G11039</b>	IN/EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>				12.67		
	<b>GS11039</b>	IN/EX	37.5	7	12.57	SM	C.I.
	<b>G11518*</b>	IN/EX	37.5	7	12.57	B	C.I.
1110531029	<b>G11039</b>	IN/EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>				12.67		
	<b>GS11039</b>	IN/EX	37.5	7	12.57	SM	C.I.
	<b>G11518*</b>	IN/EX	37.5	7	12.57	B	C.I.
1110531029	<b>G11039</b>	IN/EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>				12.67		
	<b>GS11039</b>	IN/EX	37.5	7	12.57	SM	C.I.
	<b>G11518*</b>	IN/EX	37.5	7	12.57	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE  
remarks**
**G11518\***  
VERSIONE BRONZO





**G11518\***  
VERSIONE BRONZO

**G11518\***  
VERSIONE BRONZO

**MERCEDES BENZ**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	6	320 E-CE 3.2 i 24V <b>Eng. M104.992</b> E 320 3.2 i 24V <b>Eng. M104.992/995</b> SL 320 3.2 i 24V <b>Eng. M104.991</b>	89.9	1110531101 1110501227 1110501427	IN EX	<b>R4758/SNT</b> <b>R4760/RARNT</b>	35 31	7 7	101.5 103.5	EE EE	45° 45°
1998		S 320 3.2 i 24V <b>Eng. M104.994</b>									
1994/97		G320 3.2 i 24V <b>Eng. M104.995</b>									
1996		G 320 3.2 i 24V <b>Eng. M104.996</b> 3199 cc.									
1997	V6	C 240 2.4 i V6 18V <b>Eng. M112.912</b>	89.9	1130530101 1130500227	IN EX	<b>R6260/SNT</b> <b>R6261/RARNT</b>	36 41	7 7	119.4 122.3	EE EE	45° 45°
1997	V6	E 240 2.4 i V6 18V <b>Eng. M112.913</b> 2398 cc.									
1995	V6	S 280 2.8 i V6 18V <b>Eng. M112.922</b>									
1995	V6	SL 280 2.8 i V6 18V <b>Eng. M112.923/925</b> 2799 cc.									
1997	V6	E 280 2.8 i V6 18V <b>Eng. M112.921/926</b>									
1997	V6	C 280 2.8 i V6 24V <b>Eng. M112.920/924</b> 2799 cc.									
1997	V8	CLK 430 4.3 i V8 24V <b>Eng. M113.943</b>									
1998	V8	C430 4.3 i V8 24V <b>Eng. M113.944/945</b>									
1997	V8	E 430 4.3 i V8 18V <b>Eng. M113.940/946</b>									
1997	V8	S 430 4.3 i V8 18V <b>Eng. M113.941</b>									
1997	V8	ML 430 4.3 i V8 18V <b>Eng. M113.942</b> 4266 cc.									
2003	V6	Viano 3.2 V6 18V	89.9	1130530101	IN	<b>R6260/SNT</b>	36	7	119.4	EE	45°
2003	V6	Vito 3.2 V6 18V <b>Eng. M112.951</b> 3199 cc.		1130500227	EX	<b>R6261/RARNT</b>	41	7	122.3	EE	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1110531029	<b>G11039</b>	IN/EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>				12.67		
	<b>GS11039</b>	IN/EX	37.5	7	12.57	SM	C.I.
	<b>G11518*</b>	IN/EX	37.5	7	12.57	B	C.I.
1130530329	<b>G11060</b>	IN/EX	50	7	12.56	G	C.I.
	<b>G11061</b>				12.61		
	<b>G11062</b>				12.66		
	<b>GS11060</b>	IN/EX	50	7	12.56	SM	C.I.
	<b>G11517*</b>	IN/EX	50	7	12.56	B	C.I.
1130530329	<b>G11060</b>	IN/EX	50	7	12.56	G	C.I.
	<b>G11061</b>				12.61		
	<b>G11062</b>				12.66		
	<b>GS11060</b>	IN/EX	50	7	12.56	SM	C.I.
	<b>G11517*</b>	IN/EX	50	7	12.56	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0035</b>	I


**NOTE**  
remarks

**G11518\***  
VERSIONE BRONZO





**G11517\***  
VERSIONE BRONZO

**G11517\***  
VERSIONE BRONZO

**MERCEDES BENZ**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1995	4	C230 2.3 i 16V Komp. <b>Eng. M111.975</b> CLK 230 2.3 i 16V Komp. <b>Eng. M111.973/975</b>	90.9	1110531101 1110501227 1110501427	IN EX	<b>R4758/SNT</b> <b>R4760/RARNT</b>	35 31	7 7	101.5 103.5	EE EE	45° 45°
1995	4	Sprinter 2.3 i 16V <b>Eng. M111.979</b>									
1996		C230 2.3 i 16V <b>Eng. M111.974</b>									
1996		E 230 2.3 i 16V <b>Eng. M111.970</b>									
1997		SLK 230 2.3 i Komp. <b>Eng. M111.973</b>									
1998		ML 230 2.3 i 16V <b>Eng. M111.977</b> 2295 cc.									
1991	V8	400 SE - SEL <b>Eng. M119</b> 4196 cc.	92								
2005 <b>NEW</b>	V6	C350 CLC 350 CLK 350 CLS 350 E350 S350 SLK350 ML350	92.9	2720530501 2720530601 2720500627 2720500827 2720501627	IN EX	<b>R6950/SCR</b> <b>R6951/BMARCR</b>	39.6 29.9	6 6	108.8 107.3	I I	45° 45°
2007		R350 VIANO 3.5 VITO 3.5 <b>Eng.M272.960/961/963/964</b> <b>Eng.M272.965/966/967/970</b> <b>Eng.M272.971/972/975/978</b> 3498 cc.									
2011 <b>NEW</b>	V6	C300 C350 CLS350 E300 E350 S350 ML300 ML350 GLK300 GLK350 <b>Eng. M276.950/652/955</b> <b>Eng. M276.956/957/958</b> 3498 cc.	92.9	2780500126 2760500027	IN EX	<b>R6923/SCR</b> <b>R6924/BMARCR</b>	37 30	6 6	104.2 107.3	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1110531029	<b>G11039</b>	IN/EX	37.5	7	12.57	G	C.I.
	<b>G11040</b>				12.62		
	<b>G11041</b>	IN/EX	37.5	7	12.67	SM	C.I.
	<b>GS11039</b>				12.57		
	<b>G11518*</b>	IN/EX	37.5	7	12.57	B	C.I.
1040505224	<b>G11042</b>	IN	35.5	7	13.55	B	C.I.
	<b>G11043</b>				13.60		
1040505724	<b>G11044</b>	EX	40.5	7	13.55	B	C.I.
	<b>G11045</b>				13.60		
	<b>G3544</b>	IN/EX	43.5	6	12.56	B	C.I.
	<b>G3548</b>				12.61		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0035</b>	I
6420500080 2720500033	<b>PI 06-0019</b> <b>RA06-972</b>	I
	<b>PI 06-0019</b> <b>RA06-956</b>	I






**NOTE**  
remarks

**G11518\***  
VERSIONE BRONZO

**MERCEDES BENZ**



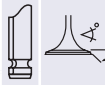
## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2008	V8	S400 4-Matic S450/S450 4-Matic GL450 4-Matic <b>Eng. M273.922/923/924</b> 4663 cc.	92.9	2720530501 2720530601 2720500627 2720500827 2720501627	IN EX	<b>R6950/SCR</b> <b>R6951/BMARCR</b>	39.6 29.9	6 6	108.8 107.3	I I	45° 45°	
2012 <b>NEW</b>	V8	ML500 GLE500 GLS500 <b>Eng. M278.928</b> 4663 cc.	92.9	2780500126 2760500027	IN EX	<b>R6923/SCR</b> <b>R6924/BMARCR</b>	37 30	6 6	104.2 107.3	I I	45° 45°	
1982/83	4	208 - 210 - 308 - 310 410 L 408 - 409 - 410 LK 408 - 409 - 410 O 309 - B410 - 510	95.5	1020530801 1020531501 1020531701 1020500327	IN  EX	<b>R4472/SNT</b>  <b>R4186/BMARCR</b>	46  39	8  9	114.9  115.8	EE  EE	45°  45°	
1980/83	4	230 E - CE - TE										
1982/84	4	230 GE 4X4 <b>Eng. M102</b> 2299 cc.										
1986	4	190 E 2.3 208 - 210 - 308 - 310										
1984 1984	4 4	230 E - CE - TE 230 GE 4X4 <b>Eng. M 102</b> 2299 cc.										
1984/88	4	190 E 2.3 16V <b>Eng. M102</b> 2299 cc.	95.5	1020531001 1020531401 1020500627	IN  EX	<b>R4306/SCR</b> <b>R4307/BMARCR</b>	38 33	7 8	111.7 111.5	EE EE	45° 45°	
1989	4	190 E 2.5 16V <b>Eng. M102</b> 2498 cc.			1020500827 1020501027							
1990	4	190 E 2.5 16V <b>Eng. M102</b> 2498 cc.		97.3								
1985	V8	500 SL - SE - SEL <b>Eng. M 117</b> 4973 cc.	96.5	1170500126 1170500127	IN EX	<b>R4470/RCR</b> <b>R4471/BMARCR</b>	46.2 39.1	9 9	117 118.2	EE EE	45° 45°	
1985		560 SE - SEC <b>Eng. M 117</b> 5547 cc.										



**VALVOLE  
ENGINE VALVES**


ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
<b>MERCEDES BENZ DIESEL</b>											
2013	4	A160 1.5 Cdi 16V	76	6070531200	IN	<b>R6185/S</b>	33.5	6	100.95	I	45°
2012		A180 1.5 Cdi 16V		6070531300	EX	<b>R6186/BM</b>	29	6	100.75	I	45°
2013		B160 1.5 Cdi 16V									
2013		B180 1.5 Cdi 16V									
2014		Citan 1.5 Cdi 16V									
2013		CLA 18 1.5 Cdi 16V									
2014		GLA 180 1.5 Cdi 16V									
		<b>Eng. OM607</b> 1461 cc.									
2018	4	C180D C200D-E200D	78	6540530300	IN	<b>R8043/SCR</b>	26.8	6	106.8	I	45°
		<b>Eng. 654.916</b>		A6540530300	EX	<b>R8044/BMCR</b>	23.3	6	106.3	I	45°
		1598 cc.		6540504000							
		A6540504000									
1998	4	A160 CDI 16V	80	6680530301	IN	<b>R6134/SCR</b>	29.6	6	105.2	I	45°
		<b>Eng. OM 668.941</b>		6680500227	EX	<b>R6135/RCR</b>	24.6	7	105	I	45°
1998		A170 CDI 16V									
		<b>Eng. OM 668.940/942</b> 1689 cc.									
1998	4	Vaneo 1.7 CDI 16V	80	6680530301	IN	<b>R6134/SCR</b>	29.6	6	105.2	I	45°
		<b>Eng. OM 668.914</b>		6680500227	EX	<b>R6135/RCR</b>	24.6	7	105	I	45°
		1689 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11308</b> <b>G11309</b>	IN/EX	40.5	6	11.07 11.12	B	L
6680530229	<b>G11048</b> <b>G11049</b> <b>G11050</b>	IN	47.5	6	11.57 11.61 11.76	G	C.I.
6680530230	<b>G11051</b> <b>G11052</b> <b>G11053</b>	EX	47.5	7	11.57 11.61 11.76	G	C.I.-U
6680530229	<b>G11048</b> <b>G11049</b> <b>G11050</b>	IN	47.5	6	11.57 11.61 11.76	G	C.I.
6680530230	<b>G11051</b> <b>G11052</b> <b>G11053</b>	EX	47.5	7	11.57 11.61 11.76	G	C.I.-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6680500080 6680500180	<b>PI 06-0019</b>	I
6680500080 6680500180 6420500080	<b>PI 06-0019</b>	I


**NOTE**  
remarks

**MERCEDES BENZ DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2014	4	C 180 1.6Cdl BlueTec 16V C 200 BlueTec 16V <b>Eng. OM626.951</b> 1598 cc.	80	6260500500 6260500800	IN EX	<b>R6797/S</b> <b>R6798/BM</b>	23.50 23.40	6 6	104.20 104.07	I I	45° 45°
11/2018 11/2018 12/2018 12/2018 5/2018 4/2018  5/2018 5/2018 5/2018 5/2018 6/2018 7/2018 6/2018 6/2018 6/2018 6/2018 4/2018 7/2016 10/2016 7/2016 12/2016 1/2017 1/2017 1/2017 1/2017 12/2017  10/2018 10/2018 <b>NEW</b>	4	A 200d (177.012) A 220d (177.014) B 200d (247.012) B 220d (247.014) C 200d (205.011/211) C 220d (205.014/214) C 220d (205.314/414) C 220d 4 MATIC (205.015) C 220d 4 MATIC (205.215) C 220d 4 MATIC (205.315) C 220d 4 MATIC (205.415) C 300d (205.018/218) C 300d (205.318/418) C 300d 4 MATIC (205.019) C 300d 4 MATIC (205.219) C 300d 4 MATIC (205.319) CLS 220d (257.314) CLS 300d (257.318) E 200d (213.013) E 200d (213.213) E 220d (213.004/204) E 220d (238.314/414) E 220d 4 MATIC (213.005) E 220d 4 MATIC (213.217) E 220d 4 MATIC (238.315) E 220d 4 MATIC (238.415) E 300d (213.008/208) E 300d (238.318/418) E 300de (213.016/216) GLE300d 4MATIC (167.119) <b>Eng. OM654.920/929</b> 1950 cc.	82	A6540530200 6540530200 A6540503800	IN EX	<b>R6968/SCR</b>  <b>R6969/BMCR</b>	28.45 24.60	6 6	106.8 106.38	I I	45° 45°
2004  2005 2005	4	A 160 CDI 16V A 180 CDI 16V A 200 CDI 16V B180 CDI 16V B200 CDI 16V <b>Eng. OM640.940/941/942</b> 1991 cc.	83	6420530401 6420500527	IN EX	<b>R6473/SCR</b> <b>R6474/RCR</b>	28.5 25.4	6 6	102.3 102.3	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11308</b> <b>G11309</b>	IN/EX	40.5	6	11.07 11.12	B	C.I.
	<b>G11398</b> <b>G11399</b> <b>GS11398</b>	IN/EX IN/EX	34.5	6	11.56 11.60 11.56	G SM	C.I. C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-940</b>	I
	<b>PI 06-0019</b>	I
6680500080 6680500180 6420500080	<b>PI 06-0019</b>	I


**NOTE  
remarks**
**MERCEDES BENZ DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
<b>NEW</b>	4	C180 CDI C200 CDI C250 CDI B180 CDI B200 CDI B220 CDI E220 CDI GLK200 CDI GLK220 CDI <b>Eng. OM651</b> 1796 - 2143 cc.	83	6510530101	IN	<b>R6755/SCR</b>	28.40	6	108.9	I	45°	
				6510500127	EX	<b>R6756/BMCR</b>	24.7	6	109.2	I	45°	
2006	V6	C320 3.0 CDI 24V R320 3.0 CDI 24V R280 3.0 CDI 24V ML320 3.0 CDI 24V GL 320 3.0 CDI 24V <b>Eng. OM642.910/960/961</b> <b>Eng. OM642.940/822</b> 2987 cc.	83	6420530401	IN	<b>R6473/SCR</b>	28.5	6	102.3	I	45°	
				6420500527	EX	<b>R6474/RCR</b>	25.4	6	102.3	I	45°	
2005	V6	E280 3.0 CDI 24V <b>Eng. 642.920/921</b> 2987 cc.	83	6420530401	IN	<b>R6473/SCR</b>	28.5	6	102.3	I	45°	
				6420500527	EX	<b>R6474/RCR</b>	25.4	6	102.3	I	45°	
2005	V6	S300 3.0 CDI 24V <b>Eng. OM642.930</b> 2987 cc.	83	6420530401	IN	<b>R6473/SCR</b>	28.5	6	102.3	I	45°	
				6420500527	EX	<b>R6474/RCR</b>	25.4	6	102.3	I	45°	
2007 2006	V6	Vito 3.0 CDI 24V Viano 3.0 CDI 24V <b>Eng. OM 642</b> 2987 cc.	83	6420530401	IN	<b>R6473/SCR</b>	28.5	6	102.3	I	45°	
				6420500527	EX	<b>R6474/RCR</b>	25.4	6	102.3	I	45°	
1967/79	4	200 D - 220 D <b>Eng. OM 615</b> 1988 cc.	87	6150530101	IN	<b>R3433/SCR</b>	38.8	10	131.5	C	30°	
				6150530001								
				6150530705	EX	<b>R3434/BMCR</b>	33.2	10	131	C	30°	
				6150530405								
1979	4	200 D <b>Eng. OM 615</b> 1988 cc.	87	6150530501	IN	<b>R4190/SCR</b>	38.8	10	131.5	C	30°	
				6150530705	EX	<b>R3434/BMCR</b>	33.2	10	131	C	30°	
				6150530405								
1993	5	C250 2.5 D 20V <b>Eng. 605.910</b> 2497 cc.	87	6060531101	IN	<b>R4918/SNT</b>	29	6	105.4	EE	45°	
				6060530705	EX	<b>R4929/RCR</b>	26	6	105.7	EE	45°	
				6060501127	EX	<b>R4930/BMCR</b>	26	7	105.7	EE	45°	



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6060531229	<b>G3578</b>	IN/EX	37.5	6	12.57	G	C.I.
6060531329	<b>G3579</b>				12.62		
	<b>G3580</b>				12.77		
	<b>G11632</b>	IN/EX	41	6	11.06	G	C.I.
	<b>G11398</b>	IN/EX	34.5	6	11.56	G	C.I.
	<b>G11399</b>				11.60		
	<b>GS11398</b>	IN/EX	34.5	6	11.56	SM	C.I.
	<b>G11398</b>	IN/EX	34.5	6	11.56	G	C.I.
	<b>G11399</b>				11.60		
	<b>GS11398</b>	IN/EX	34.5	6	11.56	SM	C.I.
	<b>G11398</b>	IN/EX	34.5	6	11.56	G	C.I.
	<b>G11399</b>				11.60		
	<b>GS11398</b>	IN/EX	34.5	6	11.56	SM	C.I.
6160530329	<b>G2133</b>	IN	61	10	14.03	G	L
6210530330	<b>G2134</b>				14.08		
	<b>G2135</b>				14.13		
	<b>G2136</b>	EX	49	10	14.03	G	L
	<b>G2137</b>				14.08		
	<b>G2138</b>				14.13		
6160530329	<b>G2133</b>	IN	61	10	14.03	G	L
6210530330	<b>G2136</b>	EX	49	10	14.03	G	L
6060531229	<b>G3578</b>	IN	37.5	6	12.57	G	C.I.
6060531329	<b>G3579</b>				12.62		
	<b>G3580</b>				12.77		
6060530230	<b>G3581</b>	EX	37.5	7	12.57	G	C.I.
6060530330	<b>G3582</b>				12.62		
	<b>G3583</b>				12.77		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0048</b>	I
	<b>RA06-958</b>	
6680500080	<b>PI 06-0019</b>	I
6680500180		
6420500080	<b>RA06-970</b>	
6680500080	<b>PI 06-0019</b>	I
6680500180		
6420500080	<b>RA06-970</b>	
6680500080	<b>PI 06-0019</b>	I
6680500180		
6420500080	<b>RA06-970</b>	
6680500080	<b>PI 06-0019</b>	I
6680500180		
6420500080	<b>RA06-970</b>	


 NOTE  
remarks

MERCEDES BENZ DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓													
							D	d	L											
1987	5	E250 2.5 D 20V <b>Eng. 605.911/912</b> 2497 cc.	87	6060531101 6060530705	IN EX	<b>R4918/SNT</b> <b>R4929/RCR</b>	29	6	105.4	EE	45°									
							26	6	105.7	EE	45°									
1997/99	5	E250 2.5 TD 20V <b>Eng. 605.962</b> 2497 cc.	87	6060531101 6060501127	IN EX	<b>R4918/SNT</b> <b>R4930/BMCR</b>	29	6	105.4	EE	45°									
							26	7	105.7	EE	45°									
1993	6	E300 3.0 D 24V <b>Eng. OM 606.910</b> 2996 cc.	87	6060530701 6060530305	IN EX	<b>R4931/SCR</b> <b>R4932/RCR</b>	29	6	105.4	I	45°									
							26	6	105.7	I	45°									
1983/93	4	190 2.0 D <b>Eng. OM601.911</b>	87	6010531701	IN	<b>R4193/SCR</b>	38	8	106.4	EE	45°									
1984	200 2.0 D	6010530401																		
1993	E200 2.0 D <b>Eng. OM601.912</b> 1996 cc.	6010531201	EX	<b>R4194/BMCR</b>	35	9	106.4	EE	45°											
1993	C 200 2.0 D 16V <b>Eng. OM601.913</b> 1997 cc.	6010501227 6010502127 6010502327																		
1985/93	5	190 2.5 D <b>Eng. OM602.911</b>	87																	
1985/93	250 2.5 <b>Eng. OM602.912</b>																			
1988/93	190 2.5 TD <b>Eng. OM602.961A</b>																			
1988/95	250 2.5 TD																			
1993	E250 2.5 TD 10V <b>Eng. OM602.962A</b>																			
1987	250 GD 2.5 D <b>Eng. OM602.930-931</b> <b>Eng. OM 602.938-939</b> 2497 cc.																			
1984/93	6	300 3.0 D G 300 GD 3.0 D <b>Eng. OM603.912-913</b>																		
1989	G300 GD 3.0 D <b>Eng. OM603.931</b>																			
1986/93	300 3.0 TD																			
1993/96	E300 3.0 TD 250 GD 3.0 TD <b>Eng. OM603.960-963</b> 2996 cc.																			

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6060531229	<b>G3578</b>	IN/EX	37.5	6	12.57	G	C.I.
	<b>G3579</b>				12.62		
6060531329	<b>G3580</b>				12.77		
6060531229	<b>G3578</b>	IN	37.5	6	12.57	G	C.I.
	<b>G3579</b>				12.62		
6060531329	<b>G3580</b>				12.77		
6060530230	<b>G3581</b>	EX	37.5	7	12.57	G	C.I.
	<b>G3582</b>				12.62		
6060530330	<b>G3583</b>				12.77		
6060531229	<b>G3578</b>	IN/EX	37.5	6	12.57	G	C.I.
	<b>G3579</b>				12.62		
6060531329	<b>G3580</b>				12.77		
6010500624	<b>G3091</b>	IN	39.5	8	14.07	G	C.I.-U
	<b>G3370</b>				14.12		
	<b>G3371</b>				14.17		
6010500924	<b>G3092</b>	EX	37.3	9	14.07	G	C.I.
	<b>G3373</b>				14.12		
	<b>G3374</b>				14.17		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6010500525	<b>PI 06-0036</b>	I
6015000825		
6010500080		
6010500325		
6010500380		
6010500425		
6010500725		


 NOTE  
remarks

MERCEDES BENZ DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1996	4	V 230 2.3 TD <b>Eng. OM601.970</b> <b>Eng. OM601D23LA</b> 2298 cc.	87	6010531701 6010502327	IN EX	<b>R4193/SCR</b> <b>R4194/BMCR</b>	38 35	8 9	106.4 106.4	EE EE	45° 45°
1998 1997	4	C 200 2.2 CDI 16V C 220 2.2 CDI 16V <b>Eng. OM611.960-962</b> 2148 cc.	88	6110530101 6110530401	IN	<b>R6173/SNT</b>	30.1	7	104	S	45°
1999	V 200 2.2 CDI 16V Vito 2.2 CDI 16V <b>Eng. OM611.980</b> <b>Eng. OM 611LA</b>	6110530105 6110500127		EX	<b>R6174/RNT</b>	28.4	7	104.4	S	45°	
2000	Sprinter 2.2 CDI 16V <b>Eng. OM611.980-981-987</b> <b>Eng. OM 611DE22LA</b> 2151 cc.										
1999	5	E 270 2.7 CDI 20V <b>Eng. OM612.961</b> ML 270 2.7 CDI 20V <b>Eng. OM612.963</b>	88	6110530101 6110530401	IN	<b>R6173/SNT</b>	30.1	7	104	S	45°
2001	G 270 2.7 CDI 20V <b>Eng. OM612.965-966</b>	6110530105 6110500127		EX	<b>R6174/RNT</b>	28.4	7	104.4	S	45°	
2000 2002	C 270 2.7 CDI 20V CLK 270 2.7 CDI 20V <b>Eng. OM 612.962-967</b> 2686 cc.										
2001	4	C 200 2.2 CDI 16V <b>Eng. OM 646.962</b>		88	6280530001 6280530005	IN EX	<b>R6426/SNT</b> <b>R6427/RNT</b>	28.7 26.2	7 7	104.1 104.5	E E
2002	E 200 2.2 CDI 16V <b>Eng. OM 646.951</b>										
2003 2005	E 220 2.2 CDI 16V <b>Eng. OM 646.961</b> C 220 2.2 CDI 16V CLK 2.2 CDI 16V <b>Eng. OM 646.963</b> 2148 cc.										
2003	4	Viano 2.2 CDI 16V <b>Eng. OM646.982</b>	88		6280530001 6460530001	IN	<b>R6426/SNT</b>	28.7	7	104.1	E
2003	Vito 2.2 CDI 16V <b>Eng. OM 646.982/983</b> 2148 cc.	6280530005		EX	<b>R6427/RNT</b>	26.2	7	104.5	E	45°	
2002	5	E 270 2.7 CDI 20V <b>Eng. OM 647.961</b> 2685 cc.	88	6280530001 6280530005	IN EX	<b>R6426/SNT</b> <b>R6427/RNT</b>	28.7 26.2	7 7	104.1 104.5	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6010500624	<b>G3091</b> <b>G3370</b> <b>G3371</b>	IN	39.5	8	14.07 14.12 14.17	G	C.I.
6010500924	<b>G3092</b> <b>G3373</b> <b>G3374</b>	EX	37.3	9	14.07 14.12 14.17	G	C.I.
6110530329	<b>G11054</b> <b>G11055</b> <b>G11056</b>	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	<b>G11054</b> <b>G11055</b> <b>G11056</b>	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
	<b>GS11054</b>	IN/EX	37.6	7	12.57	SM	C.I.
6110530329	<b>G11054</b> <b>G11055</b> <b>G11056</b>	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
	<b>GS11054</b>	IN/EX	37.6	7	12.57	SM	C.I.
6110530329	<b>G11054</b> <b>G11055</b> <b>G11056</b>	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	<b>GS11054</b>	IN/EX	37.6	7	12.57	SM	C.I.
6110530329	<b>G11054</b> <b>G11055</b> <b>G11056</b>	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	<b>GS11054</b>	IN/EX	37.6	7	12.57	SM	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6010500525 6015000825	<b>PI 06-0036</b>	I
6110500025 6110500225	<b>PI 06-0021</b>	I
6110500025 6110500225	<b>PI 06-0021</b>	I
6110500025 6110500225	<b>PI 06-0021</b>	I
6110500025 6110500225	<b>PI 06-0021</b>	I
6110500025 6110500225	<b>PI 06-0021</b>	I


**NOTE  
remarks**
**MERCEDES BENZ DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002 2002 2004	6	S 320 3.2 CDI 24V E 320 3.2 CDI 24V E 280 3.2 CDI 24V <b>Eng. OM 648.961</b> 3222 cc.	88	6280530001 6280530005	IN EX	<b>R6426/SNT</b> <b>R6427/RNT</b>	28.7 26.2	7 7	104.1 104.5	E E	45° 45°
2001	V8	ML 400 4.0 CDI V8 24V <b>Eng. OM 628.963</b> 3996 cc.	88	6280530001 6280530005	IN EX	<b>R6426/SNT</b> <b>R6427/RNT</b>	28.7 26.2	7 7	104.1 104.5	E E	45° 45°
1993	4	C220 2.2 D 16V <b>Eng. OM 604.910</b> 2155 cc.	89	6060530701 6060530305	IN EX	<b>R4931/SCR</b> <b>R4932/RCR</b>	29 26	6 6	105.4 105.7	I I	45° 45°
1995	4	E220 2.2 D 16V <b>Eng. OM 604.912</b> 2155 cc.	89	6060531101 6060530705	IN EX	<b>R4918/SNT</b> <b>R4929/RCR</b>	29 26	6 6	105.4 105.7	EE EE	45° 45°
1996/99  1991	4  6	E290 2.9 TDI 10V <b>Eng. OM602.982</b> 2874 cc.  350 GD 3.0 D <b>Eng. OM603972A</b> 3449 cc.	89	6010531701 6010532327	IN EX	<b>R4193/SCR</b> <b>R4194/BMCR</b>	38 35	8 9	106.4 106.4	EE EE	45° 45°
1995  1996  1995  1996	4  4  5  5	Sprinter 2.3 D <b>Eng. OM601.943</b> 2298 cc.  Vito 2.3 D <b>Eng. OM601.942</b> Vito 2.3 TD <b>Eng. OM601.970</b> <b>Eng. OM601D23LA</b> 2298 cc.  Sprinter 2.9 TDI <b>Eng. OM602.980</b> <b>Eng. OM602DE29LA</b>  Sprinter 2.9 TDI <b>Eng. OM602.984-985</b> <b>Eng. OM602LA</b> 2874 cc.	89	6010531701 6010530401 6010531201 6010501227 6010502127 6010502327	IN  EX	<b>R4193/SCR</b>  <b>R4194/BMCR</b>	38  35	8  9	106.4  106.4	EE  EE	45°  45°
1988  1988	4  5	208 - 308 - 408 - 508 2.3D <b>Eng. OM601.900-940-941</b> 2299 cc.  210-310-410 2.9D <b>Eng. OM602.900-940-991</b> 2874 cc.	89	6010531701 6010502327	IN EX	<b>R4193/SCR</b> <b>R4194/BMCR</b>	38 35	8 9	106.4 106.4	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6110530329	<b>G11054</b> <b>G11055</b> <b>G11056</b> <b>GS11054</b>	IN/EX	37.6	7	12.57 12.61 12.76	G	C.I.
6110530329	<b>G11054</b> <b>G11055</b> <b>GS11054</b>	IN/EX	37.6	7	12.57 12.61 12.57	G SM	C.I. C.I.
6060531229	<b>G3578</b> <b>G3579</b> <b>G3580</b>	IN/EX	37.5	6	12.57 12.62 12.77	G	C.I.
6060531229	<b>G3578</b> <b>G3579</b> <b>G3580</b>	IN/EX	37.5	6	12.57 12.62 12.77	G	C.I.
6010500624	<b>G3091</b> <b>G3370</b> <b>G3371</b>	IN	39.5	8	14.07 14.12 14.17	G	C.I.
6010500924	<b>G3092</b> <b>G3373</b> <b>G3374</b>	EX	37.3	9	14.07 14.12 14.17	G	C.I.
6010500624	<b>G3091</b> <b>G3370</b> <b>G3371</b>	IN	39.5	8	14.07 14.12 14.17	G	C.I.
6010500924	<b>G3092</b> <b>G3373</b> <b>G3374</b>	EX	37.3	9	14.07 14.12 14.17	G	C.I.
6010500624	<b>G3091</b> <b>G3370</b> <b>G3371</b>	IN	39.5	8	14.07 14.12 14.17	G	C.I.
6010500924	<b>G3092</b> <b>G3373</b> <b>G3374</b>	EX	37.3	9	14.07 14.12 14.17	G	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
6110500025 6110500225	<b>PI 06-0021</b>	I
6110500025 6110500225	<b>PI 06-0021</b>	I
6010500525 6015000825	<b>PI 06-0036</b>	I
6010500525 6015000825 6010500080 6010500325 6010500380 6010500425 6010500725	<b>PI 06-0036</b>	I


**NOTE  
remarks**
**MERCEDES BENZ DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1973	4	L - LK - LKO 406 DG	90.9	6160530301	IN	<b>R3919/SCR</b>	39.8	10	131.5	C	30°
		L - LK - LKO 407 D		6160530201	IN	<b>R3633/SCR</b>	39.8	10	131.5	C	30°
		O 309 D		6160500127	EX	<b>R3634/BMCR</b>	34.2	10	131	C	30°
		240 D - TD		6160500527							
		407 D - 507 D - 510 D		6160500027							
		207 D - 307 D									
		<b>Eng. OM 616</b>									
		2399 cc.									
		240 GD 4X4									
		MB 100 D									
		<b>Eng. OM 616.963</b>									
		2998 cc.									
1974	5	240 D 3.0									
		300 D - TD									
		300 GD 4X4									
		<b>Eng. OM 617</b>									
		2998 cc.									
1978	5	300 TD	90.9	6170530001	IN	<b>R4191/SCR</b>	39.8	10	131.5	C	30°
		<b>Eng. OM 617A Turbo</b>		6170500027	EX	<b>R4192/BMCR</b>	34.2	10	131	C	30°
		2998 cc.									

## MERCEDES BENZ INDUSTRIAL DIESEL





1964/71	4	<b>Eng. OM 314</b>	97	3520530101	IN	<b>R3724/SCR</b>	44	9	140.5	M	45°
		3782 cc.		3210530705	EX	<b>R0719/SCR</b>	36	9	140.5	M	45°
		<b>Eng. OM 352</b>		3520531505	EX	<b>R3725/RCR</b>	36	10	140.5	M	45°
	6	<b>Eng. OM 352A Turbo</b>									
		<b>Eng. OM 353A Turbo</b>									
		5673 cc.									
1982	6	<b>Eng. OM 362 LA Turbo</b>	97	3660500226	IN	<b>R4917/SCR</b>	43	9	140.5	M	30°
		5675 cc.		3660500027	EX	<b>R3725/RCR</b>	36	10	140.5	M	45°
1984	4	<b>Eng. OM 364</b>	97.5								
		3972 cc.									
1984	4	611 D - 711 D - 811 D	97.5	3660500326	IN	<b>R4898/SCR</b>	42	9	140.5	M	30°
		<b>Eng. OM 364 A Turbo</b>		3660500227	EX	<b>R3725/RCR</b>	36	10	140.5	M	45°
		3972 cc.									
1984	6	<b>Eng. OM 366</b>	97.5	3660500226	IN	<b>R4917/SCR</b>	43	9	140.5	M	30°
		<b>Eng. 366A Turbo</b>		3660500027	EX	<b>R3725/RCR</b>	36	10	140.5	M	45°
		<b>Up to Eng. n. 013600</b>									
		<b>Eng. OM 366 LA Turbo</b>									
		<b>Up to Eng. n. 013600</b>									
		5958 cc.									
1985	6	<b>Eng. OM 366A Turbo</b>	97.5	3660500326	IN	<b>R4898/SCR</b>	42	9	140.5	M	30°
		<b>From Eng. n. 013601</b>		3660500227	EX	<b>R3725/RCR</b>	36	10	140.5	M	45°
		<b>Eng. OM 366 LA Turbo</b>									
		<b>From Eng. n. 013601</b>									
		5958 cc.									





## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	Atego <b>Eng. OM 904 LA12V</b> <b>Eng. OM 907 12V</b> 4247 cc.	102	9060500226	IN	<b>R6534/BMCR</b>	34	8	125.9	M	20°
	6	<b>Eng. OM 906 18V</b> 6374 cc.		9060500326	IN	<b>R6262/BMCR</b>	34	8	128.7	M	20°
				9060500327	EX	<b>R6263/BMCR</b>	37.9	8	152.5	M	45°
2000	4	Atego <b>Eng. OM 924.910.911.912</b> <b>Eng. OM 924.914</b> 4800 cc.	106	9060500226	IN	<b>R6534/BMCR</b>	34	8	125.9	M	20°
				9060500326	IN	<b>R6262/BMCR</b>	34	8	128.7	M	20°
2000	6	Axor <b>Eng. OM 926.910.911.912</b> <b>Eng. OM 926.914.915</b> 7201 cc.		9060500327	EX	<b>R6263/BMCR</b>	37.9	8	152.5	M	45°
2012 <b>NEW</b>	4	Atego BlueTec <b>Eng. OM934.911/913/971</b> <b>Eng. OM 934.972/974</b> Euro 6 5132 cc.	110	9360500026	IN	<b>R6972/BMCR</b>	37.5	8	193.7	S	20°
				9360500126	EX	<b>R6973/BMCR</b>	33.7	8	199.4	S	35°
2012 <b>NEW</b>	6	Actros IV Atego Econic Blue Tec <b>Eng. OM 936.912/915/916</b> <b>Eng. OM 936.971/972/973</b> <b>Eng. OM 936.980</b> Euro 6 7698 cc.	110	9360500026	IN	<b>R6972/BMCR</b>	37.5	8	193.7	S	20°
				9360500126	EX	<b>R6973/BMCR</b>	33.7	8	199.4	S	35°
1965	6	<b>Eng. OM 327</b> 7980 cc.	115	3270530701	IN	<b>R4088/SCR</b>	54	10	150	M	45°
1968	6	<b>Eng. OM 360</b> <b>Eng. OM 360H</b> 8720 cc.		3600500326	EX	<b>R4089/RCR</b>	43	10	150	M	45°
				3270530705							
				3600500127							
1978	6	<b>Eng. OM 360A Turbo</b> 8720 cc.	115	3600500126	IN	<b>R4604/BMCR</b>	54	10	150	M	30°
				3600500226	EX	<b>R4605/BMCR</b>	43	10	150	M	45°
				3600500227							



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1972	V6	<b>Eng. OM 401</b> <b>Up to Eng. n. 265214</b> 9570 cc.	125	4230500026 4230500427	IN EX	<b>R4580/SARCR*</b> <b>R4581/BMCR*</b>	59	12	142.5	M	30°
	V6	<b>Eng. OM 401 A Turbo</b> 9570 cc.					51	12	142.5	M	45°
	V8	<b>Eng. OM 402</b> <b>Up to Eng. n. 265214</b> 12670 cc.									
	V10	<b>Eng. OM 403</b> <b>Up to Eng. n. 265214</b> 15960 cc.									
	V12	<b>Eng. OM 404</b> <b>Up to Eng. n. 265214</b> 20910 cc.									
	V12	<b>Eng. OM 404A Turbo</b> <b>Up to Eng. 006644</b> 20910 cc.									
	1976	6					<b>Eng. OM 407</b> <b>Up to Eng. n. 029460</b> 11413 cc.				
6		<b>Eng. OM 407H</b> <b>Up to Eng. n. 029460</b> 11413 cc.									
1980	6	<b>Eng. OM 407A - LA -HA</b> <b>Eng. OM 407 Turbo</b> <b>Eng. OM 407AH Turbo</b> <b>Up to Eng. n. 029460</b> 11413 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	<b>G3080</b> <b>G11038</b>	IN/EX	67	12	18.05 18.10	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE**  
remarks

**\*R4580/SARCR**  
**\*R4581/BMCR**  
Retainer stem  
end 7.7 mm

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1972	V6	<b>Eng. OM 401</b> <b>From eng. n. 265215</b> 9570 cc.	125	4420500326 4220500027	IN EX	<b>R4351/BMCR*</b> <b>R4352/BMCR*</b>	58.9	12	142.5	M	30°
	V8	<b>Eng. OM 402</b> <b>From eng. n. 265215</b> 12670 cc.					51	12	142.5	M	45°
	V10	<b>Eng. OM 403</b> <b>From eng. n. 265215</b> 15960 cc.									
	V12	<b>Eng. OM 404</b> <b>From eng. n. 006645</b> 20910 cc. <b>Eng. OM 404A Turbo</b> <b>From eng. n. 006645</b> 20910 cc.									
1980	6	<b>Eng. OM 407</b> <b>From eng. n. 029461</b> 11413 cc. <b>Eng. OM 407 H</b> From 029461 11413 cc.									
		<b>Eng. OM 407A-LA-HA</b> <b>From eng. n. 029461</b> <b>Eng. OM 407 Turbo</b> <b>From eng. n. 029461</b> 11413 cc.									
		<b>Eng. OM 407AH Turbo</b> <b>From eng. 029461</b> 11413 cc.									
1991	V6	<b>Eng. OM 401A - LA</b> Turbo 9567 cc.	125	4420500526 4420500326 4420500427	IN EX	<b>R4351/BMCR*</b> <b>R4568/BMCR*</b>	58.9	12	142.5	M	30°
	V8	<b>Eng. OM 402A LA</b> Turbo 12756 cc.					51	12	142.5	M	45°
	1980	6					<b>Eng. OM 407 AH Turbo</b> <b>From Eng. n. 029461</b> 11413 cc.				
2011 <b>NEW</b>	6	Actros MP4 24V <b>Eng. OM470.903/904/906</b> 907/908/910/913/914/915 917/921/922/923 10677 cc.	125	4700500626 4700500826 4700500427 4700500627	IN EX	<b>R6976/BMCR</b> <b>R6977/BMARCR</b>	42.40	9.5	240	S	20°
							39.9	9.5	246.5	S	30°
1967/78	6	<b>Eng. OM 355</b> <b>Eng. OM 355 H</b>	128	3460530001 3460530101 3460530005 3460530105 3550500127	IN EX	<b>R3702/RCR</b> <b>R3703/RCR</b>	42	9	129.8	M	45°
1978	6	<b>Eng. OM 355A Turbo</b> 11581 cc.					37	9	165.2	M	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	<b>G3080</b> <b>G11038</b>	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	<b>G3080</b> <b>G11038</b>	IN/EX	67	12	18.05 18.10	G	C.I.
3460530929 3550530330	<b>G2146</b> <b>G2147</b>	IN EX	67.5 86.5	9 9	15.04 15.04	G G	L L

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I






**NOTE**  
remarks

**\*R4351/BMCR**  
**\*R4352/BMCR**  
Retainer stem  
end 2.75 mm

**\*R4351/BMCR**  
**\*R4568/BMCR**  
Retainer stem  
end 2.75 mm

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓							
							D	d	L					
1978	6	<b>Eng. OM 355A Turbo</b> 11581 cc.	128	3550530001 3550530005 3550500027	IN EX	<b>R4094/RCR</b> <b>R4095/RCR</b>	42 37	9 9	130.6 165.9	M M	30° 30°			
1979	V6	<b>Eng. OM 421</b> <b>Up to Eng. n. 139487</b> 10965 cc.	128	4230500026 4230500427	IN EX	<b>R4580/SARCR*</b> <b>R4581/BMCR*</b>	59	12	142.5	M	30°			
	V8	<b>Eng. OM 422</b> <b>Up to Eng. n. 139487</b> 14618 cc.					51	12	142.5	M	45°			
1981	V10	<b>Eng. OM 423</b> <b>Up to Eng. n. 139487</b> 18270 cc.												
1981	V12	<b>Eng. OM 424</b> <b>Up to Eng. n. 002307</b> 21930 cc.												
1985	6	<b>Eng. OM 427 - 427 H</b> <b>Up to Eng. n. 001399</b> 11961 cc.												
1979	V6	<b>Eng. OM 421</b> <b>From Eng. n. 139488</b> 10965 cc.	128	4420500326 4220500027	IN EX	<b>R4351/BMCR*</b> <b>R4352/BMCR*</b>	58.9	12	142.5	M	30°			
	V8	<b>Eng. OM 422</b> <b>From Eng. n. 139488</b> 14618 cc.					51	12	142.5	M	45°			
1981	V10	<b>Eng. OM 423</b> <b>From Eng. n. 1139488</b> 18270 cc.												
1981	V12	<b>Eng. OM 424</b> <b>From Eng. n. 002308</b> 21930 cc.												
1985	6	<b>Eng. OM 427 - 427 H</b> <b>From Eng. 001400</b> 11960 cc.												
1987	V6	<b>Eng. OM 441</b> 11309 cc.												
	V8	<b>Eng. OM 442</b> 14600 cc.												
1985	6	<b>Eng. OM 447 - 447H</b> 11970 cc.												



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
3460530929	<b>G2146</b>	IN	67.5	9	15.04	G	L
3550530330	<b>G2147</b>	EX	86.5	9	15.04	G	L
4220530430	<b>G3080</b> <b>G11038</b>	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	<b>G3080</b> <b>G11038</b>	IN/EX	67	12	18.05 18.10	G	C.I.

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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I






**NOTE  
remarks**

**\*R4580/SARCR**  
**\*R4581/BMCR**  
Retainer stem  
end 7.7 mm

**\*R4351/BMCR**  
**\*R4352/BMCR**  
Retainer stem  
end 2.75 mm

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1979	V6	<b>Eng. OM 421A/LA Turbo</b> <b>Up to Eng. n. 139487</b> 10965 cc.	128	4230500026 4230500327	IN EX	<b>R4580/SARCR*</b> <b>R4569/BMCR*</b>	59	12	142.5	M	30°
	V8	<b>Eng. OM 422A Turbo</b> <b>Eng. OM 422 LA Turbo</b> <b>Up to Eng. n. 139487</b> 14618 cc.					51	12	142.5	M	45°
	V10	<b>Eng. OM 423A/LA Turbo</b> <b>Up to Eng. n. 139487</b> 18270 cc.					17	8	84	S	45°
	V12	<b>Eng. OM 424A/LA Turbo</b> <b>Up to Eng. n. 002307</b> 21930 cc.					17	8	90.3	S	45°
1979	V6	<b>Eng. OM 421A/LA Turbo</b> <b>From Eng. n. 139488</b> 10965 cc.	128	4420500326 4220500127 4220500227	IN EX	<b>R4351/BMCR*</b> <b>R4568/BMCR*</b>	58.9	12	142.5	M	30°
	V8	<b>Eng. OM 422A/LA Turbo</b> <b>From Eng. n. 139488</b> 14618 cc.					51	12	142.5	M	45°
	V10	<b>Eng. OM 423A/LA Turbo</b> <b>From Eng. n. 139488</b> 18270 cc.					17	8	84	S	45°
	V12	<b>Eng. OM 424A/LA Turbo</b> <b>From Eng. 002308</b> 21930 cc.					17	8	90.3	S	45°
1985	6	<b>Eng. OM 427A/LA Turbo</b> 11967 cc.									
1987	V6	<b>Eng. OM 441A/LA Turbo</b> 11309 cc.									
	V6	<b>Eng. OM 441A/LA Turbo</b> 10958 cc. <b>Eng. OM 447A/LA Turbo</b> 11961 cc.									
	V8	<b>Eng. OM 442 A Turbo</b> <b>Eng. OM 442A/LA Turbo</b> 14610 cc.									
	V8	<b>Eng. OM 442</b> <b>Eng. OM 442A Turbo</b> 14600 cc.									
1985	V12	<b>Eng. OM A/LA Turbo</b> 21930 cc.									
	6	<b>Eng. OM 447A/LA</b> Turbo 11970 cc.									
1987	V6	<b>Eng. OM 441</b> 11303 cc.	130	4420500326 4220500127	IN EX	<b>R4351/BMCR*</b> <b>R4568/BMCR*</b>	58.9 51	12 12	142.5 142.5	M M	30° 45°
1985	V8	<b>Eng. OM 442</b> 15100 cc.		4220500227							

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4220530430	<b>G3080</b> <b>G11038</b>	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	<b>G3080</b> <b>G11038</b>	IN/EX	67	12	18.05 18.10	G	C.I.
4220530430	<b>G3080</b> <b>G11038</b>	IN/EX	67	12	18.05 18.10	G	C.I.

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE  
remarks**



**\*R4580/SARCR**  
**\*R4569/BMCR**  
Retainer stem  
end 7.7 mm

**\*R4351/BMCR**  
**\*R4568/BMCR**  
Retainer stem  
end 2.75 mm

**\*R4351/BMCR**  
**\*R4568/BMCR**  
Retainer stem  
end 2.75 mm

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	V6	ACTROS <b>Eng. OM521-OM541-OM941</b> 11946 cc.	130	5410500226	IN	<b>R6190/BMCR</b>	45.5	9	145	M	30°
				5410500227	EX	<b>R6191/BMCR</b>	41	9	145	M	45°
	5410530101	IN		<b>R6883/SCR</b>	45.5	9	144.85	M	30°		
	4570500327	EX		<b>R6884/BMCR</b>	42.10	9	144.85	M	36°		
V8	<b>Eng. OM460</b> 12816 cc. <b>Eng. OM522-OM542-OM942</b> 15928 cc.	MODULATING VALVE	5410160791		<b>R6481/R</b>	17	8	86.8	S	45°	
2012 <b>NEW</b>	6	Actros <b>Eng.OM 471.900/902/909</b> <b>Eng. OM471.919</b> 12809 cc.	132	4710500426	IN EX	<b>R6974/BMCR</b> <b>R6975/BMCR</b>	45.2	9.5	240.1	S	20°
4710500926	43.10	9.5	246.6	S			30°				
4710501326											
4710500527											
4710500927											
2014 <b>NEW</b>	V6	Actros MP4 <b>Eng. OM 473.900/903/905</b> 15569 cc.	139	4720500326	IN	<b>R6970/BMARCR</b>	47	9.5	240	S	20°
				4730500427	EX	<b>R6971/BMARCR</b>	45	9.5	246.45	S	30°
<b>MG</b>											
2000	4	MG-F 120 1.8 i 16V <b>Eng. 18K4F</b> MG-F 160 1.8 i 16V VVC <b>Eng. 18K4K</b>	80	LGH10029	IN	<b>R4816/SNT</b>	27.7	6	89.6	S	45°
				LGH10065	EX	<b>R6118/RNT</b>	27.4	6	90	S	45°
				LGH101360							
2002		MG-TF 120/135 1.8 i 16V <b>Eng. 18K4F</b>									
2001		MG-ZR 160 1.8 i 16V MG-ZS 160 1.8 i 16V <b>Eng. 18K4F</b> 1796 cc.									
2002	4	MG-TF 160 1.8 VVC MG-ZR 160 1.8 VVC <b>Eng. 18K4K</b> 1796 cc.	80	LGH10064	IN	<b>R6117/SNT</b>	31.6	6	89.6	S	45°
				LGH10065	EX	<b>R6118/RNT</b>	27.4	6	90	S	45°
LGH101360											
2001	V6	MG- ZS 180 2.5 V6 24V MG-ZT 180/190 2.5 V6 24V <b>Eng. 25K4F</b> 2497 cc.	80	LGH10064	IN	<b>R6117/SNT</b>	31.6	6	89.6	S	45°
				LGH10065	EX	<b>R6118/RNT</b>	27.4	6	90	S	45°
LGH101360											
<b>MG DIESEL</b>											
2002	4	MG-ZT 2.0 CDTI 16V MG-ZT-T 2.0 CDTI 16V <b>Eng. 204D2</b> 1951 cc.	84	LGH101450	IN/EX	<b>R6088/BMCR</b>	26	6	100	I	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	4	MG-ZR 115 2.0 TDI 16V MG-ZS 115 2.0 TDI 16V <b>Eng. 20T2N</b> 1994 cc.	84.5	LGH100990	IN	<b>R6119/SNT</b>	37.2	7	86.7	EE	45°
				LGH100980	EX	<b>R6120/RNT</b>	32.5	7	86.7	EE	45°

## MINI

2002	4	Mini 1.4 i 16V <b>Eng. W10B14A</b> 1398 cc.	77	11341485585	IN	<b>R6252/SCR</b>	30.3	6	109.5	I	45°
				11347513023							
		1398 cc.		11347513019							
		1398 cc.		11347829955							
				11347829943	EX	<b>R6253/BMCR</b>	23.3	6	118.3	I	45°
				11347513024							
2000	4	Mini One 1.6 i 16V Mini Cooper 1.6 i 16V <b>Eng. R50 - R52</b> 1598 cc.	77	11341485585	IN	<b>R6252/SCR</b>	30.3	6	109.5	I	45°
				11347513023							
				11347829943	EX	<b>R6253/BMCR</b>	23.3	6	118.3	I	45°
				11347513024							
2000/08	4	Mini Cooper S 16V <b>Eng. W11B16A</b> 1598 cc.	77	11341485585	IN	<b>R6252/SCR</b>	30.3	6	109.5	I	45°
				11347513023							
				11347829943	EX	<b>R6253/BMCR</b>	23.3	6	118.3	I	45°
				11347513024							
2009	4	Mini Clubman One 1.4 i 16V Mini One 1.4 i 16V <b>Eng. N12B14A</b> 1397 cc.	77	11347533884	IN	<b>R6712/S</b>	29.95	5	97.10	I	45°
				11347533885	EX	<b>R6725/R</b>	25.10	5	110.75	I	45°
2007	4	Cooper S <b>Eng. N14B16A</b> <b>Eng. N14B16C</b> 1598 cc.	77	11347587470	IN	<b>R6663/S</b>	28.8	5	105.7	I	45°
				11347534508							
				11347547187	EX	<b>R6664/RCR</b>	26	5	110.1	I	45°
2010	4	Cooper 1.6 16V <b>Eng. N18B16A</b> <b>Eng. N18B16B</b> <b>Eng. N18B16C</b> 1598 cc.	77	11347585901	IN	<b>R6711/S</b>	29.70	5	95.10	I	45°
				11347547187	EX	<b>R6664/RCR</b>	26	5	110.1	I	45°
				11347533884	IN	<b>R6712/S</b>	29.95	5	97.10	I	45°
				11347533885	EX	<b>R6725/R</b>	25.10	5	110.75	I	45°
2009	4	Cooper 1.6 i 16V <b>Eng. N16B16A</b> <b>Eng. N12B16A</b> 1598 cc.	77	11347533884	IN	<b>R6712/S</b>	29.95	5	97.10	I	45°
				11347533885	EX	<b>R6725/R</b>	25.10	5	110.75	I	45°
2013	4	Cooper S	82	11347633699	IN	<b>R6948/S</b>	30	5	99.30	I	45°
2014		Mini Clubman Cooper S			EX	<b>R6949/BM</b>					
2016		Mini Countryman Cooper S									
<b>NEW</b>		<b>Eng. B46A20A</b> 1998 cc.		11348621264			28.5	6	99.80	I	45°

## MINI DIESEL

2003	4	Mini One 1.4D <b>Eng. 1ND-1NDTV</b> 1364 cc.	73	11347791054	IN	<b>R6320/SNT</b>	30.8	6	100	S	45°
				11347791055	EX	<b>R6321/RNT</b>	28	6	99.8	S	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006	4	Mini Cooper D <b>Eng. R55/56</b> 1560 cc.	75	11.347.805.968 11.347.805.969	IN EX	<b>R6397/SCR</b> <b>R6398/BMCR</b>	25.6	5.5	96.4	I	45°
							23.4	5.5	96.6	I	45°
2007	4	Mini One 1.6D 16V Mini Cooper 1.6D 16V Mini Clubman 1.6D 16V <b>Eng. 9HZ(DV6TED4)</b> 1560 cc.	75		IN EX	<b>R6728/SCR</b> <b>R6729/RCR</b>	25.6	5.5	96.06	I	45°
							23.5	5.5	96.25	I	45°
2011	4	Mini One 1.6D 16V Mini Cooper 1.6D 16V <b>Eng. N47C16A</b> 1598 cc.	78	11347812618 11347812616	IN EX	<b>R6771/SCR</b> <b>R6772/RCR</b>	24.80	5	94	I	45°
							21.20	5	94	I	45°
2015	3	Mini 1.5D 12V <b>Eng. B37C15A</b> 1496 cc.	84	11127797711 11347797712	IN EX	<b>R6620/SCR</b> <b>R6621/RCR</b>	27.2	5	94	I	45°
							24.6	5	94	I	45°
2014	4	Mini 2.0 D16V <b>Eng. B47C20A</b> 1995 cc.	84	11127797711 11347797712	IN EX	<b>R6620/SCR</b> <b>R6621/RCR</b>	27.2	5	94	I	45°
							24.6	5	94	I	45°

## MITSUBISHI





1998	4	Spece Star 1.3 16V <b>Eng. 4G13</b> 1299 cc.	71	MD342090 MD342091	IN EX	<b>R6486/SNT</b> <b>R6487/RNT</b>	27	5.5	111.6	S	45°
							23.4	5.5	114.8	S	45°
1975/78	4	Lancer 1200 <b>Eng. G36</b> 1238 cc.	73	MD000480 MD000481	IN EX	<b>R3829/S</b> <b>R3830/RCR</b>	38	8	106	H	45°
1977/78	4	Celeste 1400 Delica 1400 Galant 1400 Lancer 1400 Fork 1400 <b>Eng. 4G33</b> 1439 cc.					31	8	102.5	H	45°
2012	3	Sapce Star Mirage 1.0 <b>Eng. 3A90</b> 999 cc.	75		IN EX	<b>R6743/SNT</b> <b>R6744/RNT</b>	28	5	85.45	S	45°
							25	5	86.88	S	45°
2004	3	Colt 1.1 i 12V <b>Eng. 3A91</b> 1124 cc.	75	MR984260 MR984261	IN EX	<b>R6484/SNT</b> <b>R6485/RNT</b>	30.4	5	89.5	S	45°
							25.4	5	90.9	S	45°
2004	4	Colt 1.3 i 16V <b>Eng. 4A90</b> 1332 cc.		MR984260 MR984261	IN EX	<b>R6484/SNT</b> <b>R6485/RNT</b>	30.4	5	89.5	S	45°
2004	4	Colt 1.5 i 16V <b>Eng. 4A91</b> 1499 cc.					25.4	5	90.9	S	45°
2014 <b>NEW</b>	4	ASX 1.6 16V <b>Eng. 4A92</b> 1590 cc.	75	1010A396 1011A397	IN EX	<b>R8007/SNT</b> <b>R8008/RNT</b>	30.45	5	87.30	S	45°
							25.45	5	88.60	S	45°





## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	4	Space Star 1.6 i 16V 1584 cc.	76	MD339752	IN	<b>R6482/SNT</b>	29	5.5	111.7	S	45°
				MD339754	EX	<b>R6483/RNT</b>	25.4	5.5	114.7	S	45°
1985/88	4	Colt - Mirage - Lancer <b>Eng. G32B</b> 1598 cc.	76.9	MD075925	IN	<b>R4786/S</b>	38	8	103.5	EE	45°
				MD075928	EX	<b>R4787/RNT</b>	31	8	100	EE	45°
1999	4	Space Star 1.8 Pajero Pinin 2.0 16V <b>Eng. 4G94</b> 1999 cc.	81	MD162780	IN	<b>R6272/SNT</b>	33	6	104.3	EE	45°
				MD162800	EX	<b>R6273/RNT</b>	28.2	6	103.8	EE	45°
1989	4	Colt - Mirage <b>Eng. 4G61</b> 1595 cc.	82.3	MD127840	IN	<b>R4921/SNT</b>	34	6.6	109.7	EE	45°
				MD127841	EX	<b>R4922/RNT</b>	30.5	6.6	109.7	EE	45°
1990	4	Galant <b>Eng. 4G63</b>	85								
1993	4	Space Wagon 2.0 16V Space Gear 2.0 16V Galant 2.0 16V <b>Eng. 4G63 16V</b> 1997 cc.	85	MD301193	IN	<b>R6104/SNT</b>	33	6	112.5	EE	45°
				MD159502	EX	<b>R6105/RARNT</b>	29	6	114.2	EE	45°
				MD197097							
	4	Space Gear 2.4 <b>Eng. G64K 16V</b> 2350 cc. L 300 Pajero Space Runner <b>Eng. 4G64</b> 2351 cc.	86.5								
			86.5								





## MITSUBISHI DIESEL

2004	4	Colt 1.5 DI-D <b>Eng. OM639.939</b> 1493 cc.	75	MN 960088	IN	<b>R6473S/CR</b>	28.5	6	102.3	I	45°
				MN 960089	EX	<b>R6474R/CR</b>	25.4	6	102.3	I	45°
1996	4	Carisma 1.9 TD <b>Eng. F80T</b> 1870 cc.	80	7701466716	IN	<b>R4717/BM</b>	36.2	8	111.7	E	30°
				7701466717	EX	<b>R4718/BM</b>	31.6	8	111.7	E	45°
2000	4	Carisma 1.9 DI-D <b>Eng. F901-F902</b> 1870 cc.	80	7700110387	IN	<b>R4973/S</b>	35.3	7	110.9	E	45°
				7700110389	EX	<b>R4974/R</b>	32.6	7	110.7	E	45°
2000	4	Space Star 1.9 TDI <b>Eng. F9Q</b> 1870 cc.	80	MW30620685	IN	<b>R4973/S</b>	35.3	7	110.9	E	45°
				MW30620686	EX	<b>R4974/R</b>	32.6	7	110.7	E	45°
2012	4	Outlander 2.2 Di-D 16V <b>Eng. 4HK-4HN</b> 2179 cc.	85	MN982142	IN	<b>R6595/SCR</b>	27.2	6	95.8	I	45°
				MN982143	EX	<b>R6596/BMCR</b>	25	6	95	I	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1984/88	4	Colt - Galant Lancer Space Wagon <b>Eng. 4D65 - 4D65T</b> 1795 cc.	80.60	MD075287 MD080778	IN EX	<b>R6008/BMNT</b> <b>R6009/BMNT</b>	36	8	119.2	EE	45°
							32	8	119.2	EE	45°
2007	4	Grandis 2.0 DI-D Outlander 2.0 DI-D <b>Eng. BSY</b> 1968 cc.	81	MN 980080 MN 980081	IN EX	<b>R6372/S</b> <b>R6373/BM</b>	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
1992/93	4	Lancer - Galant Spacewagon <b>Eng. 4D68 - 4D68T</b> 1998 cc.	82.7	MD173602 MD180356	IN EX	<b>R6100/SNT</b> <b>R6101/RNT</b>	36	8	114.1	EE	45°
							32	8	113.6	EE	45°
2010 <b>NEW</b>	4	ASX 1.8 DI-D Lancer VIII 1.8 DI-D <b>Eng. 4N13</b> 1798 cc.	83	1010A260 1607612480 1011A286 1607612680	IN EX	<b>R6887/SNT</b> <b>R6888/BMNT</b>	28.15	6	121.65	EE	45°
							23.7	6	113	EE	45°
2013 2010 <b>NEW</b>	4	ASX 2.2 DI-D Outlander 2.2 DI-D <b>Eng. 4N14</b> 2268 cc.	86	1010A272 1011A287	IN EX	<b>R6889/SNT</b> <b>R6890/BMNT</b>	30.5	6	121.62	EE	45°
							26	6	112.9	EE	45°
1980	4	Delica 2300 Galant 2300 Pajero 4x4 <b>Eng. 4D55</b> 2346 cc.	91.1	MD050552 MD050543	IN EX	<b>R4405/SNT</b> <b>R4406/RNT</b>	40	8	136.5	M	45°
							34	8	136.5	M	45°
1983 1982	4	L300 2.3D <b>Eng. 4D55</b> L300 2.3 TD <b>Eng. 4D55T</b> 2347 cc.	91.1	MD083661 MD083662	IN EX	<b>R4537/SNT</b> <b>R4538/RNT</b>	40	8	136.5	EE	45°
							34	8	136.5	EE	45°
1986 1988/91 1988/91	4	L300 2.5 <b>Eng. 4D56</b> L200 2.5 TD L300 2.5 TD <b>Eng. 4D56T</b> 2477 cc.	91.1	MD083661 MD083662	IN EX	<b>R4537/SNT</b> <b>R4538/RNT</b>	40	8	136.5	EE	45°
							34	8	136.5	EE	45°
1983 1982	4	Pajero 2.3 D <b>Eng. 4D55</b> 2347 cc.	91.1	MD083661 MD083662	IN EX	<b>R4537/SNT</b> <b>R4538/RNT</b>	40	8	136.5	EE	45°
							34	8	136.5	EE	45°
1982	4	Pajero 2.3 TD <b>Eng. 4D55T</b> 2347 cc.	91.1	MD083661 MD083662	IN EX	<b>R4537/SNT</b> <b>R4538/RNT</b>	40 34	8 8	136.5 136.5	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
MDO - 76354 MDO - 76358	<b>G11117</b> <b>G11118</b>	IN EX	56 58	8 8	13.11 13.11	G G	L-X L-X-U
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11630</b> <b>G11631</b> <b>GS11630</b> <b>GS11631</b>	IN EX IN EX	48.7 48.2 48.7 48.2	6 6 6 6	11.11 11.10 11.11 11.10	G G SM SM	L-X L-X-U L-X L-X-U
	<b>G11630</b> <b>G11631</b> <b>GS11630</b> <b>GS11631</b>	IN EX IN EX	48.7 48.2 48.7 48.2	6 6 6 6	11.11 11.10 11.11 11.10	G G SM SM	L-X L-X-U L-X L-X-U
MDO - 50523 MDO - 50527	<b>G3217</b> <b>G3218</b>	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
MDO - 50523 MDO - 50527	<b>G3217</b> <b>G3218</b>	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
MDO - 50523 MDO - 50527	<b>G3217</b> <b>G3218</b>	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
MDO - 50523 MDO - 50527	<b>G3217</b> <b>G3218</b>	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
MN980073 MN980072 MN980077 MN980076	<b>PI 06-0042</b> <b>PI 06-0045</b> <b>PI 06-0044</b> <b>PI 06-0043</b>	     
	<b>PI 06-0019</b> <b>RA06-914</b>	
MD324966 MD307724 MD352127 MD153990 MD324967 MD307725	<b>RA06-904</b>    <b>RA06-905</b>	






 NOTE  
remarks

MITSUBISHI DIESEL

**RA 06-904 IN**
**RA06-905 EX**  
WITH BOLT

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1988/91	4	Space Gear <b>Eng. 4D56T</b> 2477 cc.	91.1	MD083661 MD083662	IN EX	<b>R4537/SNT</b> <b>R4538/RNT</b>	40 34	8 8	136.5 136.5	EE EE	45° 45°
1986	4	Pajero 2.5 D <b>Eng. 4D56</b> 2477 cc.	91.1	MD083661 MD083662	IN EX	<b>R4537/SNT</b> <b>R4538/RNT</b>	40 34	8 8	136.5 136.5	EE EE	45° 45°
1988/91		Pajero 2.5 TD <b>Eng. 4D56T</b> 2477 cc.									
1991	4	L200 2.5 TD L300 2.5 TD <b>Eng. 4D56T</b>	91.1	MD198404 MD373236 MD198406	IN EX	<b>R6102/BMNT</b> <b>R6103/BMNT</b>	40 34	8 8	130.2 130	EE EE	45° 45°
1996		L200 2.5 TDI <b>Eng. 4D56TI</b> 2477 cc.		MD373237							
1991	4	Pajero 2.5 TD <b>Eng. 4D56T</b>	91.1	MD198404 MD373236	IN	<b>R6102/BMNT</b>	40	8	130.2	EE	45°
1989		Pajero 2.5 TDI <b>Eng. 4D56TI</b> 2477 cc.		MD198406 MD373237	EX	<b>R6103/BMNT</b>	34	8	130	EE	45°
7/2001	4	Pajero 2.5 TD <b>Eng. 4D56T</b> 2477 cc.	91.1	22211-42860 22212-42860	IN EX	<b>R6795/SNT</b> <b>R6796/RNT</b>	40 34	8 8	132 132	S S	45° 45°
2005	4	L 200 2.5 Di-D <b>Eng. 4D56 HP</b> 2477 cc.	91.1	MN176597 MN176598	IN EX	<b>R6700/RNT</b> <b>R6701/RCR</b>	31.5 27.60	6 6	107.6 108	S S	45° 45°
	4	Industrial Engine <b>Eng. S4S</b> 3331 cc.	94		IN EX	<b>R6944/SNT</b> <b>R6945/RNT</b>	44 35	8 8	120.2 120.1	M M	30° 30°
1994	4	Pajero 2.8 D <b>Eng. 4M40</b>	95	ME200050 ME200051	IN EX	<b>R4982/RNT</b> <b>R4983/RNT</b>	41 35	8 8	108.7 108.5	EE EE	45° 45°
1994		Pajero 2.8 TD Intercooler <b>Eng. 4M40T</b> 2835 cc.									
1996	4	Canter 2.8 D <b>Eng. 4M40</b>	95	ME200050 ME200051	IN EX	<b>R4982/RNT</b> <b>R4983/RNT</b>	41 35	8 8	108.7 108.5	EE EE	45° 45°
1999		Canter 2.8 TD Intercooler <b>Eng. 4M40T</b> 2835 cc.									
<b>NEW</b>	4	Canter 3.0 TD16V <b>Eng. 4M42</b> 2977 cc.	95	ME190286 ME190287	IN EX	<b>R8041/SCR</b> <b>R8042/RCR</b>	30 28	6.6 6.6	115.4 115.4	S S	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
MDO - 50523 MDO - 50527	<b>G3217</b> <b>G3218</b>	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
MDO - 50523 MDO - 50527	<b>G3217</b> <b>G3218</b>	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
MDO - 50523 MDO - 50527	<b>G3217</b> <b>G3218</b>	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
MDO - 50523 MDO - 50527	<b>G3217</b> <b>G3218</b>	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
MDO - 50523 MDO - 50527	<b>G3217</b> <b>G3218</b>	IN EX	71 74	8 8	13.11 13.11	G G	L-X L-X-U
	<b>G11001</b> <b>G11119</b>	IN/EX	58	8	13.08 13.13	G	L-X-U
	<b>G11001</b> <b>G11119</b>	IN/EX	58	8	13.08 13.13	G	L-X-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
MD324966 MD307724 MD352127 MD153990 MD324967 MD307725	<b>RA06-904</b>    <b>RA06-905</b>	
1205A091	<b>RA06-981</b>	


**NOTE  
remarks**
**RA 06-904 IN**
**RA06-905 EX  
WITH BOLT**
**MITSUBISHI DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.							
							D	d	L					
<b>M.W.M.</b>														
1952/63	1	<b>Eng. KD 12E</b> 880 cc.	95	632134600014 632134600024	IN	<b>R1036/SCR</b>	41	10	129	H	45°			
	2	<b>Eng. KD 12Z</b> 1700 cc.			EX	<b>R1037/SCR</b>	37	10	129	H	45°			
	3	<b>Eng. KD 12D</b> 2550 cc.												
	4	<b>Eng. KD 12V</b> 3400 cc. Spessore testa maggiorato 1 mm Spessore testa maggiorato 2 mm			IN	<b>R4211/SCR</b>	41	10	129	H	45°			
					EX	<b>R4212/SCR</b>	37	10	129	H	45°			
					IN	<b>R4302/SCR</b>	41	10	129	H	45°			
					EX	<b>R4339/SCR</b>	37	10	129	H	45°			
1965	2	<b>Eng. D 208Z - D308Z</b> 1490 cc.	95	630804600014 620704603014	IN	<b>R4300/SCR</b>	38	9	117	I	45°			
1967		<b>Eng. D 225 - D 325</b> 1700 cc.			EX	<b>R4341/SCR</b>	35	9	117	I	45°			
1965	3	<b>Eng. D 208D - D308D</b> 2235 cc.												
1967	3	<b>Eng. D 225 - D 325</b> 2550 cc.												
1965	4	<b>Eng. D 208V - D308V</b> 3080 cc.												
1967	4	<b>Eng. D 225 - D 325</b> 3400 cc.												
1965	6	<b>Eng. D 208S - D308S</b> 4470 cc.												
1967	6	<b>Eng. D 225 - D 325</b> 5100 cc. Spessore testa maggiorato 1 mm			IN	<b>R4349/SCR</b>	38	9	117	I	45°			
					EX	<b>R4350/SCR</b>	35	9	117	I	45°			
1954/65	1	<b>Eng. AKD 12/112E</b> 910 cc.			98	632134600014 632134600024	IN	<b>R1036/SCR</b>	41	10	129	H	45°	
	2	<b>Eng. AKD 12/112Z</b> 1810 cc. <b>Eng. 322 Z</b> 1802 cc.					EX	<b>R1037/SCR</b>	37	10	129	H	45°	
	3	<b>Eng. AKD 12/112D</b> 2720 cc. <b>Eng. 322 D</b> 2703 cc.												
	4	<b>Eng. AKD 12/112V</b> 3620 cc. Spessore testa maggiorato 1 mm Spessore testa maggiorato 2 mm					IN	<b>R4211/SCR</b>	41	10	129	H	45°	
							EX	<b>R4212/SCR</b>	37	10	129	H	45°	
			IN	<b>R4302/SCR</b>			41	10	129	H	45°			
			EX	<b>R4339/SCR</b>			37	10	129	H	45°			



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
630503320034	<b>G3527</b>	IN/EX	58	9	15.05	G	F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

NOTE remarks

M.W.M.

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1970/77	2/6	<b>Eng. D 327</b> 1880/5650 cc.	100	622604600054 630804600024	IN EX	<b>R4305/SCR</b> <b>R4310/RCR</b>	41	9	117	I	45°
	4/6	<b>Eng. D 227</b> 3770/5654 cc.					38	9	117	I	45°
1969/77	2	<b>Eng. D 226 Z</b> 2080 cc.	105								
	3	<b>Eng. D 226 D</b> 3120 cc.									
	4	<b>Eng. D 226 V</b> 4160 cc.									
	6	<b>Eng. D 226 S</b> 6240 cc.									
1971/77	4	<b>Eng. TD226/4 Turbo</b> 4160 cc.	105	622804603014 622604603024	IN EX	<b>R4725/SCR</b> <b>R4310/RCR</b>	42	9	117	I	30°
	6	<b>Eng. TD226/6 Turbo</b> 6240 cc.					38	9	117	I	45°
1982	V6	<b>Eng. TBD 234 Turbo</b>	128	623404600064 623404600054	IN EX	<b>R4768/BMCR</b> <b>R4769/BMCR</b>	58	10	163	E	30°
	V8	10800 - 21600 cc.					53	10	163	E	45°
		<b>Eng. D402</b>		698604600014 698604600024	IN EX	<b>R4328/SCR</b> <b>R4329/SCR</b>	31 29	9 9	90 90	I I	45° 45°
		<b>Eng. LKS</b>		698704600014 698704600024	IN EX	<b>R4330/SCR</b> <b>R4331/SCR</b>	36 31	9 9	111 111	I I	45° 45°





## NISSAN

1986/91	4	March Micra <b>Eng. M10</b> 997 cc.	68	13201-01B00 13201-10B00	IN EX	<b>R4440/SCR</b> <b>R4441/RCR</b>	35.1	7	109.7	M	45°
							30.1	7	109.7	M	45°
2003	4	Kubistar 1.2 <b>Eng. D7F726</b> 1149 cc.	69	13201-00QAG 13202-00QAH	IN EX	<b>R4933/S</b> <b>R4934/R</b>	32.8	6	106.8	E	30°
							29.9	6	106.8	E	45°
2003	4	Kubistar 1.2 i 16V <b>Eng. D4F712</b> 1149 cc.	69	13201-00QAJ 13202-00QAK	IN EX	<b>R6177/S</b> <b>R6178/BM</b>	26	5.5	110.7	I	45°
							22	5.5	112.5	I	45°
1992/03	4	Micra 1.0 i 16V <b>Eng. CG10DE</b> 998 cc	71	13201-99B10 13202-99B10	IN EX	<b>R4651/RNT</b> <b>R4652/RNT</b>	27.5	5.5	96	E	45°
							22.5	5.5	96	E	45°
1992/00	4	Micra 1.3 16V <b>Eng. CG13DE</b> 1275 c.									
2003	4	Micra 1.0 i 16V Micra 1.2 i 16V <b>Eng. CR10DE</b> 998 cc.	71	13201-1F700 13202-1F700	IN EX	<b>R6430/SNT</b> <b>R6431/RNT</b>	27.4	5.5	97.8	S	45°
							22.5	5.5	97.9	S	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2015 <b>NEW</b>	4	Pulsar 1.2 DIG-Turbo <b>Eng. H5FT</b> 1198 cc.	72	13201-7322R 13202-7223R	IN EX	<b>R6901/SNT</b> <b>R6902/BMCR</b>	26.58	5.5	100.86	I	45°
							23.50	5.5	101.85	I	30°
2000/03	4	Micra 1.4 i 16V <b>Eng. CGA3DE</b> 1348 cc.	72	13201-99B10 13202-99B10	IN EX	<b>R4651/RNT</b> <b>R4652/RNT</b>	27.5	5.5	96	E	45°
							22.5	5.5	96	E	45°
2003	4	Micra 1.4 i 16V <b>Eng. CR14DE</b> 1386 cc.	72	13201-1F700 13202-1F700	IN EX	<b>R6430/SNT</b> <b>R6431/RNT</b>	27.4	5.5	97.8	S	45°
							22.5	5.5	97.9	S	45°
2016	3	Micra 0.9 IG-T <b>Eng. H4B-408</b> 898 cc.	72.2	132013562R 132025379R	IN EX	<b>R6799/SNT</b> <b>R6800/RCR</b>	26.55	5.5	100.90	I	45°
							23.50	5.5	101.7	I	30°
2011	3	Pixo 1.0 <b>Eng. K10B</b> 996 cc.	73	13201-4A00A 13202-4A00D	IN EX EX	<b>R6611/SNT</b> <b>R6612/RNT</b> <b>R6906/RARNT*</b>	27.47	5.5	87.46	S	45°
							22.88	5.5	87.06	S	45°
							22.9	5.5	87.06	S	45°
1966	4	Cherry - Sunny 1000 <b>Eng. A10</b> 988 cc.	73	13201-H2300 13201-18000 13201-H1000	IN	<b>R3835/S</b>	35	8	103.6	M	45°
1970	4	Cherry 1200 Pulsar 1200 Sunny 1200 <b>Eng. A12</b> 1171 cc.			EX						
2005 2006	4	Micra 1.4 16V Note 1.4 16V <b>Eng. CR14DE</b> 1386 cc.	73	13201-BC000 13202-BC000	IN	<b>R6538/SNT</b> <b>R6539/RNT</b>	27.50	5.50	97.9	S	45°
					EX					S	45°
1993/94	4	Sunny 1.4HB Sunny 1.6HB Primera 1.6SD <b>Eng. GA14 - GA16</b> 1392 - 1597 cc.	73.6	13201-57Y00 13202-57Y00	IN	<b>R4653/RCR</b> <b>R4654/RCR</b>	30	5.5	92.2	E	45°
			76		EX					E	45°
1990/95 1995	4	Sunny 1.4 i 16V Almera 1.4 i 16V <b>Eng. GA14DE</b> 1392 cc.	73.6	13201-4M500 13202-2F000	IN	<b>R6275/SNT</b> <b>R6276/RNT</b>	29	5.5	92.2	E	45°
	4				EX					E	45°
2000	4	Almera 1.5 16V <b>Eng. QG15DE</b> 1497 cc.	73.6	13201-BM500 13202-57Y60	IN	<b>R6279/SNT</b> <b>R4654/RCR</b>	29.1	5.5	92.3	E	45°
					EX					E	45°
2002	4	Almera 1.5 16V <b>Eng. QG15DE</b> 1497 cc.	73.6	13201-BM505 13202-BM500	IN	<b>R6530/SNT</b> <b>R6531/RNT</b>	30	5.50	94.30	S	45°
					EX					S	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1981	4	Pulsar 1300 Sunny 1300 <b>Eng. E13</b> 1270 cc.	76	13201-01M00 13202-01M00	IN EX	<b>R4403/SNT</b> <b>R4404/RNT</b>	37 30	7 7	118.7 118.1	M M	45° 45°
1981	4	Pulsar 1500 Sunny 1500 Prairie 1500 <b>Eng. E15</b> 1487 cc.									
1980/83	4	Cherry 1500 Datsun 1500 Pulsar 1500 Sunny 1500 <b>Eng. A15</b> 1487 cc.	76	13201-H9500 13202-H9500	IN EX	<b>R4428/SCR</b> <b>R4429/RCR</b>	35 30	8 8	99.8 99.8	M M	45° 45°
1991	4	Sunny 1.6 i 16V	76	13201-2F000	IN	<b>R4653/RCR</b>	30	5.5	92.2	E	45°
1992	4	100 NX 1.6 i 16V		13202-2F000	EX	<b>R4654/RCR</b>	24	5.5	92.6	E	45°
1993		Primera 1.6 i 16V									
1995		Almera 1.6 i 16V									
1996		Serena 1.6 i 16V <b>Eng. GA16DE</b> 1597 cc.									
1995	4	Vanette 1.6 i 16V <b>Eng. GA16DE</b> 1597 cc.	76	13201-2F000 13202-2F000	IN EX	<b>R4653/RCR</b> <b>R4654/RCR</b>	30 24	5.5 5.5	92.2 92.6	E E	45° 45°
2010	3	Micra 1.2i 16V <b>Eng. HR12DE</b> 1198 cc.	78	13201-ED00A 13201-ED00C 13201-ED000 13202-ED00C 13202-ED000 13202-ED00A	IN EX	<b>R6540/SNT</b> <b>R6541/RNT</b>	31.10 25.40	5 5	101.77 102.5	S S	45° 45°
2011	3	Micra 1.2 DIG-S	78	13201-ED00A	IN	<b>R6540/SNT</b>	31.10	5	101.77	S	45°
2013		Note 1.2 DIG-S <b>Eng. HR12DDR</b> 1198 cc.		13201-ED00C 13201-ED000 13202-3HD0A	EX	<b>R6903/BMARNT</b>	25.4	5.5	102.5	S	45°
1970	4	Cabstar 1500 Caravan 1500 Fork 1500 Homer 1500 <b>Eng. J15</b> 1483 cc.	78	13201-01W01 13202-01W03	IN EX	<b>R4890/S</b> <b>R4891/RNT</b>	38 32	8.7 8.7	109.5 109.5	M M	45° 45°
1972		Caravan 1600 Homer 1600 <b>Eng. J16</b> 1567 cc.									



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002 2005 2006 2006 2011	4	Micra 1.6 16V Tiida 1.6 16V Note 1.6 16V Qashqai 1.6 16V Juke 1.6 16V <b>Eng. HR16DE</b> 1598 cc.	78	13201-ED00A 13201-ED00C 13201-ED000 13201-1KTOA 13202-ED00C 13202-ED000 13202-ED00A	IN    IN EX	<b>R6540/SNT</b>   <b>R6773/SNT</b> <b>R6541/RNT</b>	31.10   31.70 25.40	5   5 5	101.77   101.77 102.5	S   S S	45°   45° 45°
2002 08/2003	4	Platina 1.6 16V Kubistar 1.6 16V <b>Eng. K4M</b> 1598 cc.	79.5		IN EX	<b>R6029/S</b> <b>R6030/R</b>	32.7 28	5.5 5.5	109.3 107.7	E E	45° 45°
2010 2015 2014 2015	4	Juke 1.6 DIG-T Pulsar 2 1.6 DIG-T Qashai II 1.6 DIG-T X-Trail 1.6 DIG-T <b>Eng. MR16DDT</b> 1618 cc.	79.5	13201-BV81A 13201-BV81B 13202-BV81A	IN  EX	<b>R8000/SNT</b>  <b>R8001/RNT</b>	31.35  25.75	5.5 5.5	107.2 106.2	S S	45° 45°
2000/04 2001	4	Almera/Tino 1.8 i 16V Primera 1.8 i 16V <b>Eng. QG18DE</b> 1769 cc.	80	13201-2F000 13202-9F600	IN EX	<b>R4653/RCR</b> <b>R6277/RNT</b>	30 25	5.5 5.5	92.2 92.6	E E	45° 45°
2004	4	Almera 1.8 i 16V Tino 1.8 i 16V <b>Eng. QG18DE</b> 1769 cc.	80	13201-AU300 13202-AU300	IN EX	<b>R6593/SNT</b> <b>R6594/RNT</b>	30 25	5.5 5.5	94.30 94.70	S S	45° 45°
2002	4	Primastar 2.0 16V <b>Eng. F4R 720</b> 1998 cc.	82.7	13201-00QAE 13202-00QAE	IN EX EX	<b>R6138/S</b> <b>R6192/BM</b> <b>R6139/R</b>	33.4 29 29	5.5 5.5 5.5	110 108.9 109	S S S	45° 45° 45°
1983	4	Silvia 1800 Bluebird 1800 <b>Eng. CA18T</b> 1809 cc.	83	13201-17F01 13202-22F00	IN EX	<b>R4744/SNT</b> <b>R4745/RNT</b>	41 35	7 7	105.7 106.8	M M	45° 45°
1989/91	4	Bleubird 1800i Sunny GTI <b>Eng. CA18DE 16V</b> 1809 cc.	83	13201-51E10 13202-44F00	IN EX	<b>R6006/SNT</b> <b>R6007/RARNT</b>	34.1 28	6 6	89 89.4	S S	45° 45°
2006 2008 2007	4	Qashqai 2.0 i16V X-Trail 2.0 i 16V Sentra 2.0 i 16V <b>Eng. MR20DE</b> 1997 cc.	84	13201-EN20A 13202-EN200	IN EX	<b>R6603/SNT</b> <b>R6604/RNT</b>	33.9 27.7	5.5 5.5	106.3 105.2	S S	45° 45°
1979	4	Cherry 2000 Gazzelle 2000 Homy 2000 Laurel 2000 Sunny 2000 <b>Eng. Z20</b> 1952 cc	85	13201-N8501 13202-N8500	IN EX	<b>R4588/SNT</b> <b>R4589/RNT</b>	42 38	8 8	124.4 125.4	E E	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
13212-ED060	<b>G11464</b>	IN	42.2	5	9.05	G	L-X
	<b>G11465</b>				9.22		
	<b>G11466</b>	EX	42.2	5	9.05	G	L-X-U
13213-ED060	<b>G11467</b>				9.22		
	<b>GS11464</b>	IN	42.2	5	9.05	SM	L-X
	<b>GS11466</b>	EX	42.2	5	9.05	SM	L-X-U
7700109151	<b>G11238</b>	IN/EX	40.5	5.5	11.07	B	L
	<b>G11239</b>				11.12		
	<b>G11240</b>				11.17		
13212-53Y60	<b>G3221</b>	IN	40	5.5	9.53	G	L-X
13213-53Y60	<b>G3222</b>	EX	40	5.5	9.53	G	L-X-U
13212-53Y60	<b>G3221</b>	IN	40	5.5	9.53	G	L-X
13213-53Y60	<b>G3222</b>	EX	40	5.5	9.53	G	L-X-U
	<b>G11238</b>	IN/EX	40.5	5.5	11.07	B	L
	<b>G11239</b>				11.12		
	<b>G11240</b>				11.17		
	<b>G11126</b>	IN	42	5.5	9.52	G	L-X
	<b>G11129</b>	EX	44	5.5	9.52	G	L-X-U

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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	<b>PI 06-0013</b> <b>RA06-917</b>	I
7700107555	<b>PI 06-0013</b> <b>RA06-917</b>	I



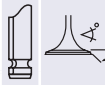
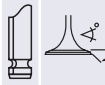

**NOTE**  
remarks

**R6773/SNT**  
Only Eng. EURO 5

**NISSAN**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1960	6	Cabstar Bus Patrol 4x4 <b>Eng. P40</b> 3956 cc.	85.7	13201-58000	IN	<b>R4590/SCR</b>	43	8.7	131.5	M	45°
				13202-C8000	EX	<b>R4591/RCR</b>	36.2	8.7	131.5	M	45°
1990	4	Primera 2.0 i 16V Sunny 2.0 i 16V <b>Eng. SR20DI-SR20DE</b> 1998 cc.	86	13201-70J00	IN	<b>R4655/SCR</b>	34	6	101.5	E	45°
				13202-70J10	EX	<b>R4656/RCR</b>	30	6	102.5	E	45°
1996 1995/96	4	Almera 2.0 i 16V Primera 2.0 i 16V <b>Eng. SR20DE</b> 1998 cc.	86	13201-89J00	IN	<b>R6106/SNT</b>	34	6	101.5	E	45°
				13202-89J00	EX	<b>R6107/RNT</b>	30	6	102.4	E	45°
1996/98	4	Almera 2.0 GTI 16V <b>Eng. SR20DEP11</b> 1998 cc.	86	13201-2J201	IN	<b>R6108/SNT</b>	34	6	98.4	E	45°
				13202-2J201	EX	<b>R6109/RNT</b>	30	6	99.3	E	45°
1966	4	Cabstar 2000 Cedric 2000 Civilian 2000 Clipper 2000 Echo 2000 Gloria 2000 <b>Eng. H20</b> 1982 cc.	87.2	13201-F1800	IN	<b>R3845/S</b>	42	8.7	110.2	M	45°
				13202-P5100	EX	<b>R3848/RCR</b>	32	8.7	110.8	M	45°
1966	6	Fork President 3000 <b>Eng. H30</b> 2974 cc.									
2001  <b>NEW</b>	4	Primera 2.0 i 16V X-Trail 2.0 i 16V <b>Eng. QR20DE</b> 1998 cc.	89	13201-2F200	IN	<b>R6281/SNT</b>	34.1	6	98.4	E	45°
				13202-2F210	EX	<b>R6278/RARNT</b>	30	6	99.3	E	45°
				13201-8H300	IN	<b>R6980/SNT</b>	35.6	6	97.1	E	45°
				13202-6N200	EX	<b>R6981/RARNT</b>	30.7	6	98.9	E	45°
2003	4	X Trail 2.5 i 16V Altima 2.5 i 16V <b>Eng. QR25DE</b> 2488 cc.	89	13201-8H300	IN	<b>R6980/SNT</b>	35.65	6	97.15	E	45°
				13202-6N200	EX	<b>R6981/RARNT</b>	30.7	6	99	E	45°
1986	4	Terrano 4X4 Urvan 720 Pathfinder <b>Eng. Z24</b> 2400 cc.	89	13201-N8501	IN	<b>R4588/SNT</b>	42	8	124.4	E	45°
				13202-N8500	EX	<b>R4589/RNT</b>	38	8	125.4	E	45°
2002 2001 2006	4	Primera 2.0 i 16V X-Trail 2.0 i 16V Teana 2.0 i 16V <b>Eng. QR20DE</b> 1998 cc.	89	13201-2F200	IN	<b>R6281/SNT</b>	34.1	6	98.4	E	45°
				13202-2F210	EX	<b>R6278/RARNT</b>	30	6	99.3	E	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	4	Datsun Truck Cabstar 1500 Caravan Homer 1500		13201-73000 13201-B5100 13202-B3000 13202-B16700	IN EX	<b>R3843/S</b>  <b>R3844/RCR</b>	38 32	8.7 8.7	109 109	D D	45° 45°

## NISSAN DIESEL

2003	4	Micra 1.5 Dci Tekna	76	13201-BN700	IN	<b>R6185/S</b>	33.5	6	100.95	I	45°
2002		Almera 1.5 Dci		13201-00QAN							
2006		Note 1.5 Dci		13201-00QAK							
2006		Qashqai 1.5 Dci		13201-1980R							
2007		Tiida 1.5 Dci <b>Eng. K9K</b> 1461 cc.		13202-BN700 13202-00QAP	EX	<b>R6186/BM</b>	29	6	100.75	I	45°
2003	4	Kubistar 1.5 Dci <b>Eng. K9K.A7/B7</b> 1461 cc.	76	13201-BN700 13202-BN700	IN EX	<b>R6185/S</b> <b>R6186/BM</b>	33.5 29	6 6	100.95 100.75	I I	45° 45°
1997	4	Micra 1.5D <b>Eng. TUD5</b> 1527 cc.	77	13201-6F900 13202-6F900	IN EX	<b>R4821/S</b> <b>R4822/RCR</b>	37 31.5	7 7	108.4 108.2	E E	45° 45°
2011	4	Qashqai +2 1.6 Dci <b>Eng. R9M</b> 1598 cc.	79.5	13201-0370R 13202-4894R	IN EX	<b>R6797/S</b> <b>R6798/BM</b>	23.45 23.41	6 6	104.20 104.07	I I	45° 45°
1983	4	Sunny 1700 Pulsar 1700 Langley 1700 <b>Eng. CD17</b> 1680 cc.	80	13201-16A00 13202-16A00	IN EX	<b>R4485/SNT</b> <b>R4486/RNT</b>	36 31	7 7	100.9 100.9	M M	45° 45°
2002	4	Primastar 1.9 Dci	80	13201-AW300	IN	<b>R4973/S</b>	35.3	7	110.9	E	45°
2002		Interstar 1.9 Dci		13202-AW300	EX	<b>R4974/R</b>	32.6	7	110.7	E	45°
2003		Primera 1.9 Dci <b>Eng. F9Q</b> 1870 cc.									
2011	4	Quashai 1.6 DCI	80	13201-00Q01	IN	<b>R6797/S</b>	23.50	6	104.20	I	45°
2014		X-Trail 1.6 DCI <b>Eng. R9M</b> 1598 cc.		13202-00Q0L 13202-00Q0P	EX	<b>R6798/BM</b>	23.40	6	104.07	I	45°
1963	4	Cedric 2200 Clipper 2200 Homy 2200 Junior 2200 <b>Eng. SD22</b> 3246 cc.	83	13201-Y5200 13202-Y5200	IN EX	<b>R3853/S</b> <b>R3854/RCR</b>	38 32	8 8	117 117	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11308 G11309</b>	IN/EX	40.5	6	11.07 11.12	B	C.I.
	<b>G11308 G11309</b>	IN/EX	40.5	6	11.07 11.12	B	C.I.
13212-6F900	<b>G3555 G3557</b>	IN	40.2	7	13.07 13.12	B	C.I.
13213-6F900	<b>G3556 G3558</b>	EX	43	7	13.07 13.12	B	C.I.
	<b>G11308 G11309</b>	IN/EX	40.5	6	11.07 11.12	B	C.I.
13212-D0110/111	<b>G11136 G11137 G11138</b>	IN	45	7	11.03 11.08 11.23	G	L-X
13213-V5514	<b>G11139 G11140 G11141</b>	EX	48	7	11.03 11.08 11.23	G	L-X
	<b>G13600 G11164</b>	IN/EX	38.3	7	12.06 12.11	B	C.I.
	<b>G11308 G11309</b>	IN/EX	40.5	6	11.07 11.12	B	C.I.





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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
96027105	<b>PI 03-105</b>	M
	<b>PI 06-0019 RA06-940</b>	I


**NOTE  
remarks**
**NISSAN**
**NISSAN DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983	4	Atlas Homy 2300 720 Truck E23/F22 <b>Eng. SD23</b> 2289 cc.	83	13201-L2000 13202-L2000	IN EX	<b>R4401/SNT</b> <b>R4402/RNT</b>	40	8	117	E	45°
							34	8	117	E	45°
2007	4	Qashqai 2.0 DCI X-Trail 2.0 DCI Primastar 2.0 DCI <b>Eng. M9R-M1D</b> 1995 cc.	84	13201-00Q0A 13202-00Q0A	IN EX	<b>R6574/S</b> <b>R6575/BM</b>	27.7	6	103.9	I	45°
							26	6	103.8	I	45°
1994/99 1998/01 1998/01 1995	4	Serena 2.3 D Cabstar E 75.28 2.3 E Trade 2.3 D Vanette 2.3 D <b>Eng. LD 23</b> 2283 cc.	84.5	13201 - 9C600 13202 - 9C601	IN EX	<b>R6066/RCR</b> <b>R6067/RCR</b>	41.5	8	118	M	45°
							33	8	117.6	M	45°
1996	4	Almera 2.0 TD Primera 2.0 TD <b>Eng. CD20T</b> 1974 cc.	84.5	13201-60J04 13202-60J02	IN EX	<b>R6175/SNT</b> <b>R6176/RNT</b>	39	7	99.7	M	45°
							32	7	99.6	M	45°
1988/89	6	Patrol td <b>Eng. RD28 T -Turbo</b> 2826 cc.	85	13201-22J00/01 13201-22301 13202-V7202 13202-V7203	IN EX	<b>R6510/RARNT</b> <b>R6511/RARNT</b>	39	7	102.8	M	45°
							32	7	102.6	M	45°
1986/97 1997/00	6 6	Patrol Td <b>Eng. RD28T</b> Patrol 2.8 TD Intercooler <b>Eng. RD28TI</b> 2826 cc.	85	13201-22J11 13202-40L00	IN EX	<b>R4746/RARNT</b> <b>R4747/RARNT</b>	39	7	101.8	M	45°
							32	7	101.6	M	45°
1985	4	Vanette <b>Eng. LD20</b>	85	13201Y9701 13202Y9701	IN EX	<b>R4287/SCR</b> <b>R4288/RCR</b>	39	8	117	D	45°
							32	8	117.5	D	45°
1989	4	Vanette <b>Eng. LD20 II</b>		13201D9702 13202D9702	IN EX	<b>R4356/SCR</b> <b>R4357/RCR</b>	39.5	8	118	M	45°
							32.2	8	118	M	45°
2001	4	X-Trail 2.2 Dci 16V <b>Eng. YD22DDT/DDTI/ETI</b> 2184 cc.	86	13201-AD210 13202-AD200	IN EX	<b>R6284/SNT</b> <b>R6285/RNT</b>	28	6	106.80	S	45°
							26	6	106.75	S	45°
2000	4	Almera/Tini 2.2 Dci 16V Primera 2.2 Dci <b>Eng. YD22DDT/DDTI/ETI</b> 2184 cc.	86	13201-AD210 13202-AD200	IN EX	<b>R6284/SNT</b> <b>R6285/RNT</b>	28	6	106.80	S	45°
							26	6	106.75	S	45°
2002	4	Interstar 2.2 Dci 16V <b>Eng. G9T.700/710/720</b> 2188 cc.	87	13201-00QAD 13202-00QAD	IN EX	<b>R6237/S</b> <b>R6238/BM</b>	30.7	6	123.1	I	45°
							29.5	6	122.9	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11523</b>	IN/EX	42.4	6	11.06	B	C.I
13212-9C641	<b>G11433</b> <b>G11434</b>	IN/EX	59	8	12.04 12.25	G	L-U
13212-D0110/111	<b>G11136</b> <b>G11137</b> <b>G11138</b> <b>G11139</b>	IN	45	7	11.03 11.08 11.23	G	L-X
	<b>G3430</b> <b>G3431</b> <b>G3432</b> <b>G3433</b>	EX	48	7	11.03	G	L-X
	<b>G3430</b> <b>G3431</b> <b>G3432</b> <b>G3433</b>	IN	45	7	11.03 11.23	G	L-X
	<b>G3430</b> <b>G3431</b> <b>G3432</b> <b>G3433</b>	EX	45	7	11.03 11.23	G	L-X-0
	<b>G3219</b> <b>G3220</b>	IN	50	7.95	12.75	G	C.I.
	<b>G3427</b> <b>G3428</b> <b>G2710</b>	IN	48	8	12.04	G	L
	<b>G11350</b> <b>G11351</b>	EX	53	8	12.04	G	L-U
	<b>G11350</b> <b>G11351</b>	EX	59	8	12.05	G	L
	<b>G11350</b> <b>G11351</b>	IN	59.8	6	10.04 10.09	G	L-X
	<b>G11348</b> <b>G11349</b> <b>G11350</b> <b>G11351</b>	IN	44.2	6	10.04 10.09	G	L-X
	<b>G11356</b>	IN/EX	59.8	6	10.04 10.09	G	L-X
	<b>G11356</b>	IN/EX	50	6	11.05	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
13234-00Q0A 13257-00Q0A	<b>PI 06-0019</b> <b>RA06-940</b>	I
13231-40L05	<b>PI 06-0027</b>	I
13231-40L05 13231-V7215	<b>PI 06-0027</b> <b>PI 06-0028</b>	I I
	<b>PI 06-0038</b> <b>RA06-930</b>	I


**NOTE**  
remarks

NISSAN DIESEL
<b>*PI 06-0027</b> Eng. with EGR valve
<b>*PI 06-0027</b> Eng. with EGR valve

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983	4	Atlas F22 - H40 <b>Eng. SD25</b> 2488 cc.	89	13201-L2000	IN	<b>R4401/SNT</b>	40	8	117	E	45°
				13202-L2000	EX	<b>R4402/RNT</b>	34	8	117	E	45°
2002 2003	4	Interstar 2.5 Dci 16V Primastar 2.5 Dci 16V <b>Eng. G9U.A7</b> 2463 cc.	89	13201-00QAD	IN	<b>R6237/S</b>	30.7	6	123.1	I	45°
				13202-00QAD	EX	<b>R6238/BM</b>	29.5	6	122.9	I	45°
2006	4	Pathfinder 2.5 Dci <b>Eng. YD25DDTi</b> 2488 cc.	89	13201-BN300	IN EX	<b>R6284/SNT</b> <b>R6285/RNT</b>	28	6	106.80	S	45°
				13201-AD210						S	45°
				13201-EB300						S	45°
				13202-BN300						S	45°
				13202-AD200							
				13202-EB300							
2011	4	Murano 2.5 Dci Cabstar 2.5 Dci Navara 2.5 Dci Pathfinder 2.5 Dci <b>Eng. YD25 Dci 16V</b> 2488 cc.	89	13201-1AT0A	IN	<b>R6739/RNT</b>	28.5	6	106	S	45°
				13202-1AT0A	EX	<b>R6740/RNT</b>	25.86	6	105.5	S	45°
1985	4	Patrol Trade L 35 <b>Eng. A428 - A428A</b> 2820 cc.	94	71300017	IN	<b>R4285/RCR</b>	43	8	115	EE	30°
				71300018	EX	<b>R4286/RCR</b>	37	8	114.5	EE	45°
	4	Nissan Trade			IN EX	<b>R4542/BMARCR</b> <b>R4543/BMCR</b>	42.5 37	8 8	114.5 114.5	I I	30° 45°
1988/91	4	Urvan Cabstar <b>Eng. TD25</b> 2493 cc.	92.9	13201-44G00	IN	<b>R4811/RCR</b>	41.5	8	117	M	45°
				13202-44G00	EX	<b>R4812/RCR</b>	37	8	117	M	45°
1987/98 1993	4	Pick-up 2.7 D 4WD Terrano II 2.7 D <b>Eng. TD27</b>	96	13201-G2403	IN	<b>R4923/SNT</b>	43.5	8	117	M	45°
				13201-43G01							
1989/96 1993/02 1988		Terrano I 2.7 TD Terrano II 2.7 TD Pathfinder 2.7 TD <b>Eng. TD27T</b> 2663 cc.		13202-G2403	EX	<b>R4924/RNT</b>	38	8	117	M	45°
				13202-31N01							
				13202-51N00							
				13202-7F400							
				13202-69T00							
				13202-43G01							
1994/98 1996/98	4	Trade 3.0 D <b>Eng. BD30</b> Trade 3.0 TDI <b>Eng. BD30TI</b> 2953 cc.	96	13201-G2403	IN	<b>R4923/SNT</b>	43.5	8	117	M	45°
				13202-G2403	EX	<b>R4924/RNT</b>	38	8	117	M	45°
1997	6	Patrol 4.2 TD Intercooler <b>Eng. TD42T</b> 4169 cc.	96	13201-G2403	IN	<b>R4923/SNT</b>	43.5	8	117	M	45°
				13202-G2403	EX	<b>R4924/RNT</b>	38	8	117	M	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11356</b>	IN/EX	50	6	11.05	B	C.I.
	<b>G11350</b> <b>G11351</b> <b>G11348</b> <b>G11349</b>	IN EX	59.8 44.2	6	10.04 10.09 10.04 10.09	G	L-X
	<b>G11350</b> <b>G11351</b> <b>G11348</b> <b>G11349</b>	IN EX	59.8 44.2	6	10.04 10.09 10.04 10.09	G	L-X
	<b>G2531</b> <b>G2532</b> <b>G2952</b>	IN/EX	62	8	12.74 12.79 12.84	G	L
	<b>G2531</b> <b>G2532</b> <b>G2952</b>	IN/EX	62	8	12.74 12.79 12.84	G	L
13212-54T00 13212-43G01	<b>G3564</b> <b>G3565</b>	IN/EX	47	8	12.04 12.09	G	C.I.-U
13212-54T00 13212-43G01	<b>G3564</b> <b>G3565</b>	IN/EX	47	8	12.04 12.09	G	C.I.-U
	<b>G11270</b> <b>G11271</b>	IN/EX	50	8	12.03 12.09	G	L-U
13212-54T00 13212-43G01	<b>G3564</b> <b>G3565</b>	IN/EX	47	8	12.04 12.09	G	C.I.-U
	<b>G11270</b> <b>G11271</b>	IN/EX	50	8	12.03 12.09	G	L-U
13212-54T00 13212-43G01	<b>G3564</b> <b>G3565</b>	IN/EX	47	8	12.04 12.09	G	C.I.-U
	<b>G11270</b> <b>G11271</b>	IN/EX	50	8	12.03 12.09	G	L-U





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0038</b> <b>RA06-930</b>	I


**NOTE  
remarks**
**NISSAN DIESEL**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000	4	Alteon 110.35/56 3.0 TDI Alteon 120.35/56 3.0 TDI <b>Eng. BD30TI</b> 2953 cc.	96	13201-G2403 13202-G2403	IN EX	<b>R4923/SNT</b> <b>R4924/RNT</b>	43.5	8	117	M	45°
							38	8	117	M	45°
1998	4	Cabstar E 90.32 2.7 TD <b>Eng. TD27T</b>	96	13201-G2403 13202-G2403	IN EX	<b>R4923/SNT</b> <b>R4924/RNT</b>	43.5 38	8 8	117 117	M M	45° 45°
1998	4	Cabstar E 110.35/45 3.0 TDI	96								
1998		Cabstar E 120.35/45 3.0 TDI <b>Eng. BD30TI</b> 2953 cc.									
2002	4	Patrol 3.0DTI 16V <b>Eng. ZD30DDTI</b> Terrano 3.0 DTI 16V <b>Eng. ZD30TI</b> 2953 cc.	96	13201-2W201 13202-2W200	IN EX	<b>R6282/SCR</b> <b>R6283/RCR</b>	32	7	113.4	E	45°
							30	7	113.4	E	45°
2000	4	Alteon 140.75 4.0 TD <b>Eng. B4.40TI</b> 2283 cc.	100	13201-9X700 13202-9X700	IN EX	<b>R4766/SCR</b> <b>R4767/RCR</b>	44.9	9.5	123.1	I	30°
	6	Alteon 166.75 6.0 td <b>Eng. B6.60 ti</b> 5985 cc					38.9	9.5	123.4	I	45°
1993	4	T135 4.0 D 3989 cc.	100	13201-9X700 13202-9X700	IN EX	<b>R4766/SCR</b> <b>R4767/RCR</b>	44.9 38.9	9.5 9.5	123.1 123.4	I I	30° 45°
1993	4	L35.095 4.0 D	100	13201-9X700 13202-9X700	IN EX	<b>R4766/SCR</b> <b>R4767/RCR</b>	44.9 38.9	9.5 9.5	123.1 123.4	I I	30° 45°
1990		L50/60/70.09 4.0 D									
1993		L70/75.14 4.0 TD									
1990		L80.09 4.0 D									
2004		Alteon 70.14 - 75.14 <b>Eng. B4.40/A/TI</b> 3989 cc.									
1990/93	6	L80/110.14 6.0 D 5985 cc									
1993	6	M90/110.150 6.0 TD	100	13201-9X700 13202-9X700	IN EX	<b>R4766/SCR</b> <b>R4767/RCR</b>	44.9 38.9	9.5 9.5	123.1 123.4	I I	30° 45°
1990/93		M110/125.14 6.0 D									
1993		M130/140.1560 6.0 TD									
1993		M160.200 6.0 TD									
2004		Alteon 166 6.0 td <b>Eng. B6.60/A/TI</b> 5985 cc.									
<b>NEW</b>	6	<b>Eng. T375</b> Cummins Engine 8300 cc.		3800340	IN	<b>R6536/SCR</b>	38	8	137.8	S	30°
				3942588	EX	<b>R6537/RCR</b>	38	8	137.9	S	45°
<b>NEW</b>	4	Forklift <b>Eng. K21-K24</b> 2100 - 2500 cc.	4	13201-FY500	IN	<b>R6891/SNT</b>	38.2	7	99.3	M	45°
				13202-FU400	EX	<b>R6892/RNT</b>	32.2	7	99.2	M	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1988/92	4	Corsa 1.0 S <b>Eng. 10S</b> 993 cc.	72	642675 642837	IN EX	<b>R4657/S</b> <b>R4658/R</b>	32 27	7 7	98.9 99.4	E E	45° 45°
1974/79 1982/88	4	Kadett 1.0 Corsa 1.0 <b>Eng. 10S</b> <b>Eng. 993 cc.</b>	72	642188 642814	IN EX	<b>R3233/N</b> <b>R3234/R</b>	32 27	7 7	99.5 101.5	M M	45° 45°
1993 1994	4	Corsa 1.2 Combo 1.2 i <b>Eng. 12NZ-C12NZ-X12SZ</b> 1195 cc.	72	641002 90323519 641302 90323524	IN EX	<b>R4464/SCR</b> <b>R4465/R</b>	33 29	7 7	104.6 104.5	E E	45° 45°
1997 2000	3 3	Corsa 1.0 i 12V Agila 1.0 i 12V <b>Eng. X10XE-Z10XE</b> 973 cc.	72.5	641051 641045 9158477 641052	IN	<b>R4878/SCR</b>	28	5	93.8	I	45°
1997 2001 2004	4 4 4	Corsa 1.2 i 16V Astra 1.2 i 16V Agila 1.2 i 16V Corsa 1.2 i 16V <b>Eng. X12XE-Z12XE</b> <b>Eng. Z12XEP</b> 1199 cc.		90529527 641364 641354 641365 90529529	EX	<b>R4879/R</b>	25	5	93.8	I	45°
2010 2012 2013	4	Meriva 1.4 Turbo 16V Astra J 1.4 Turbo 16V Cascada 1.4 16V <b>Eng. A14NEL-A14NET</b> 1364 cc.	72.5	641094 641095	IN EX	<b>R4878/SCR</b> <b>R4879/R</b>	28 25	5 5	93.8 93.8	I I	45° 45°
2010 2012 2013 <b>NEW</b>	4	Meriva 1.4 Turbo 16V Astra J 1.4 Turbo 16V Cascada 1.4 16V <b>Eng. A14NEL- GPL</b> 1364 cc.	72.5	641094 555588873 641117	IN EX	<b>R7009/SARCR</b> <b>R6897/BMARNT</b>	28 25	5 5	93.8 93.8	I I	45° 45°
2007	3	Agila 1.0 12V <b>Eng. K10B</b> 996 cc.	73	4708925 9319374 4708933	IN EX	<b>R6611/SNT</b> <b>R6612/RNT</b>	27.47 22.88	5.5 5.5	87.46 87.06	S S	45° 45°
2007	4	Agila 1.2 16V <b>Eng. K12B</b> 1242 cc.		93193762 95507147	EX	<b>R6906/RARNT*</b>	22.90	5.5	87.05	S	45°
2010	4	Agila 1.2 16V <b>Eng. K12B WT</b> 1242 cc.	73	12911-69L00-000 12915-69L00-000 12915-69LG0-000 95508125	IN EX EX	<b>R6722/SNT</b> <b>R6723/RNT</b> <b>R6907/RARNT*</b>	27.50 22.90 22.90	5 5 5	87.50 87.10 87.10	S S S	45° 45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
9158569	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
9158569	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
9158569	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
4709231	<b>G11508</b> <b>GS11508</b>	IN/EX IN/EX	34 34	5.50 5.50	10.57 10.57	G SM	C.I.-X C.I.-X
9550852	<b>G11611</b> <b>G11612</b>	IN/EX IN/EX	36 36	5 5	10.59 10.59	G B	L-X L-X

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051 640059 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b>  <b>RA06-911</b>  <b>RA06-928</b>	I
90529534 640025 640068	<b>PI 06-0008</b> <b>RA06-910</b>	I
90529534 640025 640068	<b>PI 06-0008</b> <b>RA06-910</b>	I
90529534 640025 640068	<b>PI 06-0008</b> <b>RA06-910</b>	I

**NOTE  
remarks**
**RA06-910**  
R DIA 18 MM

**RA06-910**  
R DIA 18 MM

**RA06-910**  
R DIA 18 MM





**R6906/RARNT\***  
Only GPL engine

**R6907/RARNT\***  
Only GPL engine

**OPEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
2003 2004 2004	4	Meriva 1.4 i 16V Astra 1.4 i 16V Tigra 1.4 i 16V <b>Eng. Z14XEP-Z14XEL</b> 1364 cc.	73.4	641051 641045 9158477 641052 90529527 641364 641354 641365 90529529	IN     EX	<b>R4878/SCR</b>     <b>R4879/RCR</b>	28     25	5     5	93.8     93.8	I     I	45°     45°
2011 2012	4	Astra 1.4 16V Adam 1.4 16V <b>Eng. A14XER</b> 1398 cc.	73.40	90529527 90529529	IN EX	<b>R4878/SCR</b> <b>R4879/RCR</b>	28 25	5 5	93.8 93.8	I I	45° 45°
2012	4	Ampera e-Rev 1.4 <b>Eng. A14XFL</b> 1364 cc.	73.4	641094 641095	IN EX	<b>R4878/SCR</b> <b>R4879/RCR</b>	28 25	5 5	93.8 93.8	I I	45° 45°
2014 <b>NEW</b>	3	Adam 1.0 <b>Eng. D10 XFL</b> 999 cc.	74	12636317 642101 12637241 641122	IN EX	<b>R6990/SNT</b> <b>R6991/RNT</b>	28.5 25	5 5	110.29 110.20	I I	45° 30°
2015 <b>NEW</b>	3	Karl 1.0 12V <b>Eng. D10XE-B10XE</b> 999 cc.	74	12645279 642113 55488988	IN EX	<b>R8019/SNT</b> <b>R8020/RCR</b>	30.25 23.20	5 5	96.64 106.14	I I	45° 45°
2015 <b>NEW</b>	3	Karl 1.0 12V <b>Eng. B10XL-D10XL-LPG</b> 999 cc.	74	12645279 642113 55489762 641128	IN EX	<b>R8019/SNT</b> <b>R8021/BMARNT</b>	30.25 23.08	5 5	96.64 106.14	I I	45° 45°
2015 <b>NEW</b>	4	Astra K Sport 1.4 Turbo Mokka 1.4 4X4 <b>Eng. B14XFL-XFT</b> 1399 cc	74	12636317 642101 12637241 641122	IN EX	<b>R6990/SNT</b> <b>R6991/RNT</b>	28.5 25	5 5	110.29 110.20	I I	45° 30°
2015 <b>NEW</b>	4	Astra 1.4 16V <b>Eng. B14XE</b> 1399 cc.	74	12645279 642113 55488988	IN EX	<b>R8019/SNT</b> <b>R8020/RCR</b>	30.25 23.20	5 5	96.64 106.14	I I	45° 45°
2017 <b>NEW</b>	4	Astra 1.4 CNG <b>Eng. B14XNT</b> 1399 cc.	74	12657057 12675684	IN EX	<b>R8018/SARNT</b>	27.85	5	106.42	I	45°
2017	4	Insignia 1.5 <b>Eng. B15SFL-SFT</b> 1490 cc.	74	12636317 642101 12637241 641122	IN EX	<b>R6990/SNT</b> <b>R6991/RNT</b>	28.5 25	5 5	110.29 110.20	I I	45° 30°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
9158569	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
9158569	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
	<b>G11479</b> <b>G11480</b>	IN/EX	37	5	10.03 10.06	G	C.I.
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.
	<b>G11479</b> <b>G11480</b>	IN/EX	37	5	10.03 10.06	G	C.I.
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.
	<b>G11479</b> <b>G11480</b>	IN/EX	37	5	10.03 10.06	G	C.I.
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640013 640025 640068	<b>PI 06-0008</b> <b>RA06-910</b>	I
	<b>PI 06-0008</b> <b>RA06-910</b>	I
90529534 640025 640068	<b>PI 06-0008</b> <b>RA06-910</b>	I
	<b>PI 06-0054</b> <b>RA06-994</b>	I
	<b>PI 06-0054</b> <b>RA06-994</b>	I
	<b>PI 06-0054</b> <b>RA06-994</b>	I


**NOTE**  
remarks





**RA06-910**  
R DIA 18 MM

**RA06-910**  
R DIA 18 MM

**OPEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1982/88	4	Kadett 1.2 <b>Eng. 12NV/S/ST</b> 1196 cc.	75	642763 642890	IN EX	<b>R3692/SCR</b> <b>R3695/RCR</b>	33 29	7 7	104.5 104.5	E E	45° 45°
1979/88 1982/93		Ascona 1.3 Corsa 1.3 <b>Eng. 13S/SB-C13N</b>									
1986/89		Combo 1.3 <b>Eng. 13N/S</b> 1297 cc.									
2017	3	Crossland 1.2 X <b>Eng. B12XE-B12XHL</b> <b>Eng. EB2DT-EB2DTX</b> 1199 cc.	75	1608838680 1608838780	IN EX IN EX	<b>R6805/S</b> <b>R6806/RNT</b> <b>R6952/S</b> <b>R6953/RNT</b>	29.10 26.10 27 24.20	5 5 5 5	92.55 91.80 92.60 93	S S S S	45° 45° 45° 45°
2017 <b>NEW</b>	3	Crossland 1.2 X Turbo 12V <b>Eng. B12XHT-EB2DTS</b> 1199 cc.	75		IN EX	<b>R6936/SCR</b> <b>R6937/BMAR</b>	26.39 23.77	5 5.15	93.48 92.90	S S	45° 45°
1991/98 1989/93 1990/96 1990/91 1990/91 1988/92 1989/91 1990	4	Astra 1.4 Corsa 1.4 Corsa 1.4 i Kadett 1.4 Kadett 1.4 i Vectra 1.4 Combo 1.4 Combo 1.4 i <b>Eng. C14NZ-14NV</b> 1389 cc.	77.6	641002 641302	IN EX	<b>R4464/SCR</b> <b>R4465/RCR</b>	33 29	7 7	104.6 104.5	E E	45° 45°
1992/98  1994	4	Astra 1.4 Corsa 1.4 i Combo 1.4 i <b>Eng. C14SE</b> 1389 cc.	77.6	641015 641317	IN EX	<b>R4636/SCR</b> <b>R4637/RCR</b>	38 31	7 7	104.6 104.6	E E	45° 45°
1993 1996 1994	4 4	Corsa 1.4 i 16V Astra 1.4 i 16V Tigra 1.4 i 16V <b>Eng. X14XE-Z14XE</b> 1389 cc.	77.6	641034 641340	IN EX	<b>R4726/SCR</b> <b>R4727/RCR</b>	31 27.5	6 6	103.1 102.2	I I	45° 45°
2003 2003	4	Meriva 1.4 i 16V Nuova Astra 1.4 i 16V <b>Eng. Z14XE</b> 1364 cc.									



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
	<b>G11524</b> <b>G11525</b>	IN	41	5.01	9.05 9.09	B	L
	<b>G11526</b> <b>G11527</b>	EX	44.5	5.01	9.05 9.09	B	L
	<b>G11633</b> <b>G11634</b>	IN EX	39 36.5	5 5.18	9.07 9.07	B B	L L
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
	<b>G3511</b> <b>G11150</b> <b>G11151</b>	IN	45	6	10.05 10.10 10.15	G	C.I.
	<b>GS3511</b>	IN	45	6	10.05	SM	C.I.
	<b>G3530</b> <b>G11153</b> <b>G11154</b>	EX	35	6	10.05 10.10 10.15	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>	I
640051 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>	I
640051 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>	I
640003	<b>PI 06-0010</b>	I


**NOTE**  
remarks

**OPEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1993 1994	4	Corsa 1.6 i 16V Tigra 1.6 i 16V <b>Eng. C16XE-X16XE</b>	77.6	641034 641340	IN EX	<b>R4726/SCR</b> <b>R4727/RCR</b>	31 27.5	6 6	103.1 102.2	I I	45° 45°
1995 1999		Vectra 1.6 i 16V Zafira 1.6 i 16V <b>Eng. X16XEL-Z16XE</b>									
1998 2003	4	Astra 1.6 i 16V Meriva 1.6 i 16V <b>Eng. Z16XE</b>									
2003		Astra 1.6 i 16V <b>Eng. X16XE</b> 1598 cc.									
1982/91 1982/92	4	Corsa 1.2 <b>Eng. 12NV</b> Corsa 1.2 <b>Eng. 12S-12ST</b> 1196 cc.	77.8	642763 642890	IN EX	<b>R3692/SCR</b> <b>R3695/RCR</b>	33 29	7 7	104.5 104.5	E E	45° 45°
1973	4	Ascona L Kadett C - L	79	642188 642814	IN EX	<b>R3233/N</b> <b>R3234/R</b>	32 27	7 7	99.5 101.5	M M	45° 45°
1979	4	Kadett D - L 1196 cc.	79	642188 642898	IN EX	<b>R3233/N</b> <b>R4057/R</b>	32 29	7 7	99.5 101.1	M M	45° 45°
1980/84 1982 1985	4	Kadett 1.2D Corsa 1.2 Kadett 1.2E <b>Eng. 12N - 12S</b> 1196 cc.	79	642675 642924	IN EX	<b>R4657/S</b> <b>R4659/RCR</b>	32 29	7 7	98.9 99.4	E E	45° 45°
1991/98 1988 1985/93 1988/95	4	Astra 1.6 Corsa 1.6 Kadett 1.6 Vectra 1.6 i <b>Eng. 16SV-C16LZ/NZ/SE</b> <b>Eng. 16NZ</b>	79	642679 642854 642911	IN EX	<b>R4383/SCR</b> <b>R4384/RCR</b>	38 31	7 7	101 101	E E	45° 45°
1995		Vectra 1.6 i <b>Eng. X16SZR</b> 1598 cc.									
2003/04	4	Astra 1.6 i 16V <b>Eng. Z16YNG</b> 1598 cc.	79	641034 641340	IN EX	<b>R4726/SCR</b> <b>R4727/RCR</b>	31 27.5	6 6	103.1 102.2	I I	45° 45°
2004 2005 2006	4	Astra 1.6 i 16V Zafira 1.6 i 16V Vectra 1.6 i 16V <b>Eng. Z16XEP - XE1 - XER</b> 1598 cc.	79	642011 641379 641401	IN EX	<b>R6366/SCR</b> <b>R6367/BMCR</b>	31.2 27.5	5 5	117.2 116.2	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3511</b> <b>G11150</b> <b>G11151</b> <b>GS3511</b>	IN	45	6	10.05 10.10 10.15	G	C.I.
	<b>G3530</b> <b>G11153</b> <b>G11154</b>	EX	35	6	10.05 10.10 10.15	G	C.I.
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
	<b>G3511</b> <b>G11150</b> <b>G11151</b>	IN	45	6	10.05 10.10 10.15	G	C.I.
71739771	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
642014	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
	<b>G11479</b> <b>G11480</b>	IN/EX	37	5	10.03 10.06	G	C.I.
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003	<b>PI 06-0010</b>	I
640051	<b>PI 06-0009</b>	I
640051 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>  <b>RA06-928</b>	I
640003	<b>PI 06-0010</b>	I


 NOTE  
remarks

OPEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2007 2007 2007 2006	4	Astra 1.6 i 16V Corsa 1.6 i 16V Insigna 1.6 i 16V Meriva 1.6 i 16V <b>Eng. A16LET-Z16LET Z16LEL-Z16LER-Z16LES A16LEL-A16LES</b> 1598 cc.	79	641076 641391 641392	IN EX	<b>R6504/SCR</b> <b>R6525/BMCR</b>	31 27.5	5 5	114 113.2	I I	45° 45°
2008 2001	4	Insigna 1.6 Turbo 16V Astra GTC <b>Eng. Z16LET-A16LET</b> 1598 cc.	79	642078 55557862 641379 641401 55558728	IN EX	<b>R6366/SCR</b> <b>R6367/BMCR</b>	31.2 27.5	5 5	117.2 116.2	I I	45° 45°
2012	4	Mokka 1.6i 16V <b>Eng. A16XER</b> 1598 cc.	79	642078 55557862 641379 641401 55558728	IN EX	<b>R6366/SCR</b> <b>R6367/BMCR</b>	31.2 27.5	5 5	117.2 116.2	I I	45° 45°
2009	4	Insigna 1.6 i 16V <b>Eng. Z16XER-Z16XEP A16XER-A16LET GPL ENGINE</b> 1598 cc.	79	55572518 642029 55572519 641100	IN EX	<b>R6634/SARNT</b> <b>R6635/BMARNT</b>	31.2 27.5	5 5	117.2 116.2	I I	45° 45°
2009	4	Zafira 1.6 i 16V <b>Eng. Z16XNT-A16XNT</b> 1598 cc.	79	641460 55567302 641459 55567301	IN EX	<b>R6720/SNT</b> <b>R6721/BMARNT</b>	31.2 27	5 5	99.90 99.25	I I	45° 30°
2012 2015 2013 2014 2012 <b>NEW</b>	4	Astra J 1.6 SIDI Astra j GTC 1.6 SIDI Astra K 1.6 Turbo Cascada 1.6 Insigna 1.6 Zafira 1.6 <b>Eng. A16SHT-A16XHT</b> 1598 cc.	79	55588876 642049 55591656 641119	IN EX	<b>R6895/SNT</b> <b>R6896/BMNT</b>	29.75 25.5	5 5	106.2 104.1	I I	45° 45°
1981 1985	4	Ascona L Kadett L Kadett 1.6 S <b>Eng. 16S</b> 1598 cc. O/S Stem dia mm. 0.075	80	642635 642789  642636 642790	IN EX  IN EX	<b>R4236/SCR</b> <b>R4239/RCR</b>  <b>R4237/SCR</b> <b>R4240/RCR</b>	35 32  35 32	8 8  8.075 8.075	106.1 106.1  106.1 106.1	E E  E E	45° 45°  45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
642014	<b>G11479</b>	IN/EX	37	5	10.03	G	C.I.
	<b>G11480</b>				10.06		
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.
642014	<b>G11479</b>	IN/EX	37	5	10.03	G	C.I.
	<b>G11480</b>				10.06		
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.
642014	<b>G11479</b>	IN/EX	37	5	10.03	G	C.I.
	<b>G11480</b>				10.06		
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.
642014	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.
	<b>G11479</b>	IN/EX	37	5	10.03	G	C.I.
	<b>G11480</b>				10.06		
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.
	<b>G3232</b>	IN/EX	43	8	12.04	G	L





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640047 55569172	<b>PI 06-0054</b> <b>RA 06-994</b>	
640051 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>  <b>RA06-928</b>	I


**NOTE  
remarks**
**OPEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000	4	Astra 1.8 i 16V Corsa 1.8 i 16V Vectra 1.8 i 16V Zafira 1.8 i 16V <b>ENG. Z18XE - XEL</b> 1796 cc.	80.5	641048 641357	IN EX	<b>R6051/SCR</b> <b>R6052/BMARCR</b>	31.2 27.5	5 5	101.3 100.7	I I	45° 45°
1996		Astra 1.8 16V Vectra 1.8 i 16V Zafira 1.8 i 16V <b>Eng. X18XE1</b>									
2003	4	Meriva 1.8i 16V Nuova Astra 1.8i 16V Signum 1.8 i 16V									
2004		Tigra 1.8 i 16V <b>Eng. X18XE1-Z18XE</b> 1796 cc.									
2005 2008	4	Zafira B 1.8 i 16V Insignia 1.8 i 16V <b>Eng. Z18 XEP/XER</b> 1796 cc.	80.5	641076 641391 641392	IN EX	<b>R6504/SCR</b> <b>R6525/BMCR</b>	31 27.5	5 5	114 113.2	I I	45° 45°
1994 1994/98 1996 1999	4	Astra 1.8 i 16V <b>Eng. C18XE-C18XEL</b> Astra 1.8 i 16V Vectra 1.8 i 16V Zafira 1.8 i 16V <b>Eng. X18XE</b> 1799 cc.	81.6	641022 641325	IN EX	<b>R4649/SCR</b> <b>R4650/BMCR</b>	32 29	6 6	102.1 92.2	I I	45° 45°
1993 2000	V6 V6	Calibra 2.5 i V6 24V Vectra 2.5 i V6 24V Omega 2.5 i V6 24V <b>Eng. C25XE-X25XE</b> 2498 cc. Omega 2.6 i V6 24V Vectra 2.6 i V6 24V <b>Eng. Y26SE</b> 2597 cc.	81.6	641022 641325	IN EX	<b>R4649/SCR</b> <b>R4650/BMCR</b>	32 29	6 6	102.1 92.2	I I	45° 45°
2001	4	Vivaro 2.0 i 16V <b>Eng. F4R.L7</b> F4R.820 1998 cc.	82.7	93160645 93160646	IN EX EX	<b>R6138/S</b> <b>R6192/BM</b> <b>R6139/R</b>	33.4 29 29	5.5 5.5 5.5	110 108.9 109	S S S	45° 45° 45°
1982 1985	4	Ascona 1.8 E Kadett GSi 1.8i Kadett 1.8 E <b>Eng. 18E</b> 1796 cc.	84.8	642647 642793	IN EX	<b>R4377/SCR</b> <b>R4380/RCR</b>	41 35	7.98 7.96	106 106	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
9158569	<b>G13598</b> <b>G11156</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>GS13598</b>	IN/EX	39	5	10.05	SM	C.I.
642014	<b>G11479</b> <b>G11480</b>	IN/EX	37	5	10.03 10.06	G	C.I.
	<b>GS11479</b>	IN/EX	37	5	10.03	SM	C.I.
	<b>G3511</b> <b>G11150</b> <b>G11151</b>	IN	45	6	10.05 10.10 10.15	G	C.I.
	<b>GS3511</b>	IN	45	6	10.05	SM	C.I.
	<b>G3530</b>	EX	35	6	10.05	G	C.I.
	<b>G11153</b> <b>G11154</b>				10.10 10.15		
	<b>G3543*</b> <b>G11152</b>	IN/EX	45	6	10.05 10.10	B	C.I.
	<b>G3511</b> <b>G11150</b>	IN	45	6	10.05 10.10	G	C.I.
	<b>GS3511</b>	IN	45	6	10.05	SM	C.I.
	<b>G11238</b> <b>G11239</b> <b>G11240</b>	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
	<b>G3232</b>	IN/EX	43	8	12.04	G	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003 640020	<b>PI 06-0010</b>	I
640003	<b>PI 06-0010</b>	I
640003	<b>PI 06-0010</b>	I
4409128 91160200	<b>PI 06-0013</b> <b>RA06-917</b>	I
640051 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>  <b>RA06-928</b>	I






**NOTE**  
remarks

\* **G3543**  
BRONZE VERSION

**OPEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1982	4	Ascona 1.8 N	84.8	642643	IN	<b>R4430/SCR</b>	38	8	106.1	E	45°	
		Rekord 1.8 N		642805	EX	<b>R4433/RCR</b>	34	8	106.1	E	45°	
		Ascona 1.8 S										
		Rekord 1.8 S										
		1795 cc. O/S Stem dia mm. 0.075		642644	IN	<b>R4431/SCR</b>	38	8.075	106.1	E	45°	
				642806	EX	<b>R4434/RCR</b>	34	8.075	106.1	E	45°	
1986/94	4	Omega 1.8	84.8	642667	IN	<b>R4592/SCR</b>	41.8	7	103.8	E	45°	
1988/95		Vectra 1.8 i		642829	EX	<b>R4593/RCR</b>	36.5	7	103.6	E	45°	
		<b>Eng. E18NVR</b>		641306								
1991		Astra 1.8 i										
		<b>Eng. C18NZ</b>										
		1796 cc.										
1982/87	4	Manta S	86	642667	IN	<b>R4592/SCR</b>	41.8	7	103.8	E	45°	
		<b>Eng. 18SEH</b>		642829	EX	<b>R4593/RCR</b>	36.5	7	103.6	E	45°	
		1796 cc.		641306								
1986/93		Kadett 2.0 GSi										
1987/94		Omega 2.0i										
1988/95		Vectra 2.0										
		<b>Eng. 20SE-C20NE/SE</b>										
		<b>Eng. 20NE/SE/SEH</b>										
1992		Astra 2.0 i										
		<b>Eng. X20NE - C20NE</b>										
1992/98	Frontera 2.0i											
	<b>Eng. C20NE-X20SE</b>											
1990/97	Calibra 2.0i											
	<b>Eng. C20NE</b>											
1986	Ascona 2.0 i											
	<b>Eng. 20SEH-C20NE/NEF</b>											
		1998 cc.										
1991	4	Astra 2.0 i 16V	86	642758	IN	<b>R4572/SCR</b>	33	7	104.9	I	45°	
1990/94		Calibra 2.0 i 16V 4X4		642858	EX	<b>R4573/BMARCR</b>	29	7	105	I	45°	
		<b>Eng. C20XE</b>										
1990		Calibra 2.0 i Turbo 16V										
		<b>Eng. C20LET</b>										
1988		Kadett 2.0 i 16V										
1989/95	Vectra 2.0 i 16V 4X4											
	<b>Eng. 20XE-C20ET/XE</b>											
		1998 cc.										



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3232</b>	IN/EX	43	8	12.04	G	L
	<b>G2800</b> <b>G2801</b> <b>GS2800</b>	IN/EX IN/EX	45.8	7	11.04 11.09 11.04	G SM	L L
	<b>G11312*</b>	IN/EX	45.8	7	11.04	B	L
	<b>G2800</b> <b>G2801</b>	IN/EX	45.8	7	11.04 11.09	G	L
	<b>GS2800</b>	IN/EX	45.8	7	11.04	SM	L
	<b>G11312*</b>	IN/EX	45.8	7	11.04	B	L
	<b>G3594</b> <b>G11155</b>	IN/EX	41	7	13.03 13.08	G	C.I.

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RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>  <b>RA06-928</b>	I
640051 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>  <b>RA06-928</b>	I
640051 640588 96351051 90323514 TRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>  <b>RA06-928</b>	I
640003	<b>PI 06-0010</b>	I


**NOTE**  
remarks

**OPEL**
**\* G11312**  
BRONZE VERSION

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1995 1993 1995	4	Astra 2.0 i 16V Omega 2.0 i 16V Vectra 2.0 i 16V <b>Eng. X20XE</b>	86	641022 641325	IN EX	<b>R4649/SCR</b> <b>R4650/BMCR</b>	32 29	6 6	102.1 92.2	I I	45° 45°
2002 2001 2003		Astra 2.0 i Turbo 16V Zafira 2.0 i Turbo 16V Speedster 2.0 i Turbo 16V <b>Eng. Z20LET</b>									
2004		Astra 2.0 i Turbo 16V <b>Eng. Z20LEL - Z20LER</b>									
2005		Zafira 2.0 i Turbo 16V <b>Eng. Z20LEL - Z20LER</b>									
2005	4	Astra 2.0 i Turbo 16V <b>Eng. Z20LEH</b>									
1993	V6	1998 cc. Omega 3.0 i V6 24V <b>Eng. X30XE</b> 2961 cc.									
2003	4	Vectra 1.8 16V Turbo Signum 1.8 16V Turbo <b>Eng. Z20NET</b> 1998 cc.	86	12786696 12791961	IN EX	<b>R6308/SCR</b> <b>R6309/BMCR</b>	35.2 30	6 6	102.2 101	I I	45° 45°
2008	4	Insignia 2.0 16V Turbo <b>Eng. A20NHT</b> 1998 cc.	86	641056 641063 641373 641380 641376	IN EX	<b>R6308/SCR</b> <b>R6309/BMCR</b>	35.2 30	6 6	102.2 101	I I	45° 45°
2012 2014 2017 <b>NEW</b>	4	Astra J GTC 2.0 Insignia A 2.0 Insignia B 2.0 <b>Eng. B20NFT-B20NHT</b> <b>D20NFT</b> 1998 cc.	86	12662527 642111 12653994 641121	IN EX	<b>R8015/SNT</b> <b>R8016/RCR</b>	36.4 29	6 6	95.88 103.4	S S	45° 45°
1996 1995	4	Sintra 2.2 i 16V <b>Eng. X22XE</b> Frontera 2.2 i 16V <b>Eng. X22SE-X22XE-Y22SE</b> 2198 cc.	86	641022 641325	IN EX	<b>R4649/SCR</b> <b>R4650/BMCR</b>	32 29	6 6	102.1 92.2	I I	45° 45°
2006	4	Antara 2.4 i 16V <b>Eng. Z24XED</b> 2405 cc.	87.5	641022 641325	IN EX	<b>R4649/SCR</b> <b>R4650/BMCR</b>	32 29	6 6	102.1 92.2	I I	45° 45°
2000 2003 2001	4	Zafira 2.2 16V Vectra 2.2 16V Speedster 2.2 16V Astra 2.2 i 16V <b>Eng. Z22SE</b> 2198 cc.	86	641056 641063 641373 641380 641376	IN EX	<b>R6308/SCR</b> <b>R6309/BMCR</b>	35.2 30	6 6	102.2 101	I I	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1990	6	Omega 3.0i 24V Senator 3.0 24V <b>Eng. C30SE</b>	95								
<b>OPEL DIESEL</b>											
2003	4	Agila 1.3 16V CDTI Corsa 1.3 16V CDTI Meriva 1.3 16V CDTI Astra 1.3 16V CDTI Tigra 1.3 16V CDTI <b>Eng. Z13CDTI</b> 1248 cc.	69.6	641072 641071	IN EX	<b>R6304/SCR</b> <b>R6305/BMCR</b>	21.9 21.9	6 6	109.2 109.2	I I	45° 45°
2009 2010	4	Astra 1.3 CDTI Meriva 1.3 CDTI <b>Eng. A13DTE Euro 5</b> 1248 cc.	69.6		IN EX	<b>R6636/SCR</b> <b>R6640/BMCR</b>	22.45 22.5	6 6	109.2 109.2	I I	45° 45°
2018 2019 2018 2019 <b>NEW</b>	4	Combo 1.5 D Corsa 1.5 D Crossland X Vivaro 1.5 D Zafira 1.5 D <b>Eng. DV5RC-DV5RE</b> <b>DV5RD-DV5RUC</b> 1499 cc.	75	3553632 9814152480 9814152380 938084780 3553641	IN EX	<b>R8017/SCR</b> <b>R8022/RCR</b>	25.40 22.06	5.5 5.5	95.38 94.81	I I	45° 45°
1987/00 1987/00 1988/91	4	Corsa 1.5 D Corsa 1.5 TD Kadett 1.5 D <b>Eng. 15D-X15DT-4EC1</b> 1488 cc.	76	641007 641300 641322	IN EX EX	<b>R4546/SCR</b> <b>R4547/RCR</b> <b>R4548/RARCR</b>	34.6 30.6 30.6	7 7 7	104.1 104 104	E E E	45° 45° 45°
1991/98 1988/91 1990/96	4	Astra 1.7 TD Kadett 1.7 TD Vectra 1.7 TD <b>Eng. 17DT-X17DT-TC4EE1</b> 1686 cc.	79	641007 641300 641322	IN EX EX	<b>R4546/SCR</b> <b>R4547/RCR</b> <b>R4548/RARCR</b>	34.6 30.6 30.6	7 7 7	104.1 104 104	E E E	45° 45° 45°
1993/00 1993	4	Corsa 1.7 D Combo 1.7 D <b>Eng. X17D-4EE1</b> 1686 cc.									
2000  2003 2001 2000	4	Astra 1.7 DTI 16V Corsa 1.7 DTI 16V Meriva 1.7 DTI 16V Combo 1.7 DTI 16V Combo Van 1.7 DTI 16V <b>Eng. Y17DT/DTL</b> <b>Eng. Z17DTL</b> 1686 cc.	79	641025 97185860 641369 97185352 641387 97358650	IN  EX	<b>R6136/RNT</b>  <b>R6137/RNT</b>	27.5  26.5	6  6	98.5  98.1	S  S	45°  45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11157</b>	IN/EX	41.1	7	11.23	G	C.I.
	<b>G11310</b> <b>G11311</b>	IN/EX	43	6.02	10.03 10.07	G	L
	<b>GS11310</b>	IN/EX	43	6.02	10.03	SM	L
	<b>G11310</b> <b>G11311</b>	IN/EX	43	6.02	10.03 10.07	G	L-X
	<b>GS11310</b>	IN/EX	43	6.02	10.03	SM	L-X
642005	<b>G3230</b> <b>G3231</b>	IN/EX	42	7	11.56 11.61	G	L
642005	<b>G3230</b> <b>G3231</b>	IN/EX	42	7	11.56 11.61	G	L
	<b>G11251</b> <b>G11265</b>	IN/EX	42.3	6	11.06 11.11	G	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003	<b>PI 06-0010</b>	I
5640587	<b>PI 06-0019</b> <b>RA06-900</b>	I
	<b>PI 06-0019</b> <b>RA06-900</b>	


**NOTE  
remarks**
**OPEL DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006 2006 2007	4	Meriva 1.7 CDTI Corsa 1.7 CDTI Astra 1.7 CDTI <b>Eng. A 17 DTR</b> <b>Eng. Z 17 DTR</b> 1686 cc.	79	641085 641086	IN EX	<b>R6645/SNT</b> <b>R6646/RNT</b>	27.40 25.45	6 6	102.6 102.4	S S	45° 45°
2015 2015 2014 2015 2015 <b>NEW</b>	4 4	Astra 1.6 CDTI 16V Astra 1.6 CDTI B-TURBO Meriva 1.6 CDTI 16V Mokka 1.6 CDTI 16V Zafira 1.6 CDTI 16V <b>Eng. B16DTR-B16DTN</b> <b>B16DTC-B16DTL-B16DTE</b> <b>B16DTH-B16DTJ</b> 1598 cc.	79.5	55569934 642088 55569935 641118	IN EX	<b>R6893/SCR</b> <b>R6894/BMCR</b>	26.6 24.35	5 5	103.8 103.8	I I	45° 45°
1982 1984/99	4	Ascona 1.6 D Kadett 1.6 D Combo 1.6 D <b>Eng. 16D-16DA</b> 1598 cc.	80	642651 642818 641353	IN EX	<b>R3698/SCR</b> <b>R3699/RCR</b>	36 32	8 8	123 123	E E	45° 45°
1993 1996/98	6	Omega 2.5 TD <b>Eng. M51D25 BMW</b> Frontera 2.5 TD <b>Eng. 25TD</b> 2497 cc.	80	641041 641346	IN EX	<b>R4919/BMCR</b> <b>R4920/BMARCR</b>	36 31	6 6	103.7 103.5	I I	45° 45°
2000 2001	4	Movano 1.9 DTI Vivaro 1.9 DTI <b>Eng. F9Q.M7/W7/770/774</b> 1870 cc.	80	4415921 4415922	IN EX	<b>R4973/S</b> <b>R4974/R</b>	35.3 32.6	7 7	110.9 110.7	E E	45° 45°
2014	4	Vivaro 1.6 DCI <b>Eng. R9M</b> 1598 cc.	80	4423068 95517881 4423303 95518256 4423067 95517880	IN EX	<b>R6797/S</b> <b>R6798/BM</b>	23.50 23.40	6 6	104.20 104.07	I I	45° 45°
2004	4	Astra 1.9 CDTI 16V Signum 1.9 CDTI 16V Vectra 1.9 CDTI 16V Zafira 1.9 CDTI 16V <b>Eng. Z19DT-Z19DTH</b> 1910 cc.	82	641074 641386	IN EX	<b>R6203/SCR</b> <b>R6204/BMCR</b>	28 26	6 6	114.40 114.40	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11251</b> <b>G11265</b>	IN/EX	42.3	6	11.06 11.11	G	C.I.
	<b>G11641</b> <b>G11642</b>	IN/EX	35	5	9.55 9.60	G	L
	<b>G2947</b> <b>G2948</b>	IN/EX	50	8	12.05 12.10	G	L
	<b>G13599</b> <b>G11021</b> <b>G11022</b>	IN/EX	39.5	6	12.55 12.60 12.65	B	C.I.
	<b>G13600</b> <b>G11164</b>	IN/EX	38.3	7	12.06 12.11	B	C.I.
	<b>G11165</b>	IN/EX	49	7	12.07	B	C.I.
	<b>G11308</b> <b>G11309</b>	IN/EX	40.5	6	11.07 11.12	B	C.I.
55186786	<b>G11302</b> <b>G11303</b>	IN/EX	47	6.02	11.03 11.06	G	C.I.
	<b>GS11302</b>	IN/EX	47	6.02	11.03	SN	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051 640588 96351051 90323514 THRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>  <b>RA06-928</b>	I
	<b>PI 06-0029</b>	I
	<b>PI 06-0019</b> <b>RA06-940</b>	
55200333	<b>PI 06-0019</b> <b>RA06-901</b> <b>RA06-903</b>	I


**NOTE  
remarks**
**OPEL DIESEL**
**RA06-901**  
57X17R17X10  
**RA06-903**  
55X17R17X10

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1991 1989/91 1988 1988/92	4	Astra 1.7 D Kadett 1.7 D Vectra 1.7 D Combo 1.7 D <b>Eng. 17D-17DR</b>	82.5	642651 642818 641353	IN EX	<b>R3698/SCR</b> <b>R3699/RCR</b>	36 32	8 8	123 123	E E	45° 45°
1998 1990		Astra 1.7 D Vectra 1.7 D <b>Eng. X17DTL</b> 1700 cc									
2007	4	Antara 2.0 CDTI <b>Eng. Z20DM - Z20DMT</b> 1991 cc.	83	96951454 96951455	IN EX	<b>R6548/SCR</b> <b>R6549/RCR</b>	28.5 24.4	6 6	95.7 95.7	I I	45° 45°
2008	4	Insigna 2.0 CDTI <b>Eng. A20DTC-A20DTJ</b> <b>Eng. A20DTH-A20DTR</b> 1956 cc.	83	4805321 96440147 4817388 96951455	IN EX	<b>R6548/SCR</b> <b>R6549/RCR</b>	28.5 24.4	6 6	95.7 95.7	I I	45° 45°
2016 2015 2014 2017 2015 <b>NEW</b>	4	Antara 2.0 CDTI Cascada 2.0 CDTI Insigna A 2.0 CDTI Insigna B 2.0 CDTI Zafira 2.0 CDTI <b>Eng. B20DTH-B20DTR</b> 1956 cc.	83	55599765 642110 55497830 641124	IN EX	<b>R8009/SCR</b> <b>R8010/BMCR</b>	27.85 24.36	5 5	104.02 104.10	I I	45° 45°
1999 1998/00 1997 1999	4	Astra 2.0 DTI 16V Omega 2.0 DTI 16V Vectra 2.0 DTI 16V Zafira 2.0 DTI 16V <b>Eng. Y20DTH-X20DTH</b>	84	642168 642165 90502316 642211 642208 90502326	IN EX	<b>R4884/BMCR</b> <b>R4885/BMARCR</b>	29 26	6 6	97.1 97	I I	45° 45°
1999 1996 1999		Astra 2.0 DTI 16V Vectra 2.0 DTI 16V Zafira 2.0 DTI 16V <b>Eng. X20DTL-Y20DTL</b>									
2002 2000 2003 2002 2000	4	Astra 2.2 DTI 16V Omega 2.2 DTI 16V Signum 2.2 DTI 16V Zafira 2.2 DTI 16V Vectra 2.2 DTI 16V <b>Eng. Y22DTR/DTH</b> 2171 cc.									
1997 1995	4	Sintra 2.2 TDI 16V Frontera 2.2 TDI 16V <b>Eng. X22DTH</b> 2172 cc.									
2006	4	Vivaro 2.0 DCI <b>Eng. M9R</b> 1995 cc.	84	4431242 4431241	IN EX	<b>R6574/S</b> <b>R6575/BM</b>	27.7 26	6 6	103.9 103.8	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G2947</b> <b>G2948</b>	IN/EX	50	8	12.05 12.10	G	L
	<b>G3511</b> <b>G11150</b>	IN/EX	45	6	10.05 10.10	G	C.I.
	<b>GS3511</b>	IN/EX	45	6	10.05	SM	C.I.
	<b>G3511</b> <b>G11150</b>	IN/EX	45	6	10.05 10.10	G	C.I.
	<b>GS3511</b>	IN/EX	45	6	10.05	SM	C.I.
	<b>G3511</b> <b>G11150</b> <b>G11151</b>	IN/EX	45	6	10.05 10.10 10.15	G	C.I.
	<b>GS3511</b>	IN/EX	45	6	10.05	SM	C.I.
	<b>G11523</b>	IN/EX	42.4	6	11.06	B	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640051 640588 96351051 90323514 THRUST PAD	<b>PI 06-0009</b> <b>RA06-911</b>  <b>RA06-928</b>	I
	<b>PI 06-0052</b> <b>RA06-955</b> <b>RA06-956</b>	I
640039 640259 93177316	<b>PI 06-0019</b> <b>RA06-933</b>	I
	<b>PI 06-0019</b> <b>RA06-933</b>	I
640003	<b>PI 06-0010</b>	I
4431246 93161686 4431247 93161687	<b>PI 06-0019</b>  <b>RA06-940</b>	I


**NOTE  
remarks**
**OPEL DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2011 <b>NEW</b>	4	Movano 2.3 CDTi 16V <b>Eng. M9T</b> 2299 cc.	85	4420439 93168105 13201-2274R 7701476595 4431241 93161681	IN  EX	<b>R6784/SNT</b>  <b>R6575/BM</b>	27.7	6	103.9	I	45°
							26	6	103.8	I	45°
2010	4	Antara 2.2 CDTI <b>Eng. A22DM-A22DMH</b> 2231 cc.	86	4802219 4802220	IN EX	<b>R6787/SCR</b> <b>R6788/RCR</b>	28.8	5	101.9	I	45°
							26.45	5	101.9	I	45°
1982	4	Ascona 2.0D Manta 2.0D Rekord 2.0D <b>Eng. 20D</b> 1998 cc.	86.5	642759 642882	IN EX	<b>R4144/SCR</b> <b>R4147/RCR</b>	42	8	127	E	45°
							34.5	8	127	E	45°
2000	4	Movano 2.2 TD <b>Eng. G9T.700/710/720</b> 2187 c.	87	4506083 4506084	IN EX	<b>R6237/S</b> <b>R6238/R</b>	30.7	6	123.1	I	45°
							29.5	6	122.9	I	45°
2004	V6	Signum 3.0 24V CDTI Vectra 3.0 24V CDTI <b>Eng. Y30DT</b> 2958 cc.	87.5	641067 641384	IN EX	<b>R6318/RNT</b> <b>R6319/RARNT</b>	27.5	6	98.5	S	45°
							26.5	6	98.10	S	45°
2005 <b>NEW</b>	V6	Vectra DTI V6 24V Signum DTI V6 24V <b>Eng. Z30DT</b> 2958 cc.	87.5	641084 97353102 641397 97353104	IN EX	<b>R6785/SNT</b> <b>R6786/RARCR</b>	30	6	98.4	S	45°
							28	6	97.9	S	45°
2001  2003	4	Movano 2.5 DTI 16V <b>Eng. G9U.A7</b>  Vivaro 2.5 DTI 16V <b>Eng. G9U.B7</b> 2463 cc.	89	4506083 4506084	IN EX	<b>R6237/S</b> <b>R6238/R</b>	30.7	6	123.1	I	45°
							29.5	6	122.9	I	45°
1982 1986	4	Rekord 2.3D Omega 2.3D <b>Eng. 23D - 23YD</b> 2260 cc.	92	642759 642882	IN EX	<b>R4144/SCR</b> <b>R4147/RCR</b>	42	8	127	E	45°
							34.5	8	127	E	45°
1995	4	Frontera 2.5 TD <b>Eng. VM41B</b> 2499 cc.	92		IN EX	<b>R3598/RCR</b> <b>R3599/RCR</b>	40	8	121	E	35°
							34	8	121	E	45°
1998	4	Movano 2.8 TDI <b>Eng. S9W.A7/B7/702</b> 2798 cc.	94.4	7301820 99432837	IN EX	<b>R3989/RNT</b> <b>R4887/BMCR</b>	41	8	120.7	EE	30°
							36	8	122	EE	45°
2003	4	Movano 3.0 CDTI 16V <b>Eng. ZD3.A2</b> 2953 cc.	96	4415247 4415246	IN EX	<b>R6282/SCR</b> <b>R6283/RCR</b>	32	7	113.4	E	45°
							30	7	113.4	E	45°
1997	V6	Frontera 3.2 i V6 24V <b>Eng. 6VD1</b> 3165 cc.	97	641049 97131961 641360 97131962	IN EX	<b>R6345/SNT</b> <b>R6346/RNT</b>	34	6	103.8	S	45°
							29	6	103.5	S	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11523</b>	IN/EX	42.4	6	11.06	B	C.I
	<b>G11356</b>	IN/EX	50	6	11.05	B	C.I.
642060	<b>G11503</b>	IN/EX	42	6	11.05	G	L-X
642060	<b>G11503</b>	IN/EX	42	6	11.05	G	L-X
	<b>G11356</b>	IN/EX	50	6	11.05	B	C.I.
	<b>G3126</b> <b>G3127</b>	IN/EX	55	8	14.07 14.12	G	L
4749395 4749397	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
	<b>G11346</b> <b>G11347</b>	IN/EX	45	7	11.04 11.09	G	L-X-U





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7701062312 7701062311	<b>PI 06-0019</b> <b>RA06-940</b>	I
	<b>PI 06-0038</b> <b>RA06-930</b>	I
	<b>PI 06-0038</b> <b>RA06-930</b>	I
4733350	<b>PI 03-101</b>	M


**NOTE  
remarks**
**OPEL DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1958/73	4	<b>Eng. 4.99</b> 1622 cc.	76.2	910064 31431661	IN	<b>R1247/N</b>	36	7.9	117	EE	45°
1961		<b>Eng. 4.108</b> 1759 cc. <b>Eng. 4.107</b> 1753 cc.	79.37	910061 31431861	EX	<b>R1248/S</b>	30	7.9	117	EE	45°
1987/92	4	<b>Eng. Prima 65</b> <b>Eng. Prima 80T - Turbo</b> 1994 cc.	84.4	BDU1399 BDU1400	IN EX	<b>R4926/SNT</b> <b>R4927/RNT</b>	37.2 33.6	7.42 7.40	93.8 93.8	EE EE	45° 45°
	3	<b>Eng. 3.152S</b> 2500 cc.	91.48	31431681 31431011 3142A081 31431761	IN EX	<b>R4245/N</b> <b>R4246/R</b>	39 33.5	7.9 7.9	114.5 114.5	EE EE	35° 35°
	3	<b>Eng. 3.152 T</b> 2500 cc.	91.48	31431981 31431031	IN EX	<b>R4990/SCR</b> <b>R4991/RCR</b>	39 33.5	7.9 7.9	114.5 114.4	EE EE	35° 35°
1953/69	3	<b>Eng.P3 - 3.144</b> 2360 cc.	88.9	31431261 910002	IN EX	<b>R0455/N</b> <b>R0456/S</b>	39 33.5	7.9 7.9	114.5 114.5	EE EE	45° 45°
	4	<b>Eng.P4 - 4.192</b> 3147 cc.		31431951							
	6	<b>Eng.P6 - 6.288</b> 4720 cc.									
1953/70	3	<b>Eng. 3.152</b> 2491 cc	91.49								
1959	4	<b>Eng. 4.203</b> 3330 cc.									
	6	<b>Eng. 6.305</b> 5000 cc.									
1970	3	<b>Eng. D3.152</b> 2491 cc.	91.49	31431281 31431591	IN EX	<b>R3049/N</b> <b>R3050/S</b>	39 33.5	7.9 7.9	114.5 114.5	EE EE	45° 45°
1959	4	<b>Eng. D4.203</b> 3330 cc.		31431271							
		Stessa applicazione spessore testa mag.1 mm.			IN EX	<b>R3747/N</b> <b>R3748/S</b>	39 33.5	7.9 7.9	114.5 114.5	EE EE	45° 45°
1976	4	<b>Eng. 4.165</b> 2710 cc.	92	31431491 3142H001 3142A031	IN EX	<b>R3717/S</b> <b>R3718/RCR</b>	40.5 35.5	7.9 7.9	114.5 114.5	EE EE	45° 45°



## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1960	4	<b>Eng. 4.236</b> Ebro L80 3867 cc.	98.476	31431641 31431109	IN EX	<b>R3047/NCR</b> <b>R3048/RCR</b>	44.5 36.5	9.48 9.47	123 123.5	EE EE	45° 45°
1969		<b>Eng. 4.212</b> 3475 cc.									
1960	6	<b>Eng. 6.354</b> 5800 cc.									
1960	6	<b>Eng.T6.354 - Turbo</b> <b>Eng. T6.354.1 - Turbo</b> <b>Eng. T6.354.2 - Turbo</b>									
1969	4	<b>Eng. 4.248</b> 4065 cc.	101.054								
1974	6	<b>Eng. 6.372</b> 6097 cc. Stessa applicazione spessore testa mag.1 mm.			IN EX	<b>R4093/NCR</b> <b>R4121/RCR</b>	44.5 36.5	9.48 9.47	123 123.5	EE EE	45° 45°
1960	6	<b>Eng. T6.354.3 - Turbo</b>	98.476	31431641	IN	<b>R3047/NCR</b>	44.5	9.48	123	EE	45°
1969		<b>Eng. 6.354.4</b>		3142A051	EX	<b>R4925/RCR</b>	37.4	9.50	123.3	EE	45°
1970		<b>Eng.T6.354.4 - Turbo</b>									
1974		<b>Eng. 6.372.4</b> 6097 cc.	101.054								
1984	6	<b>Eng. T4.236 - Turbo</b> 3660 cc.	98.476	3142H002 3142A052	IN EX	<b>R4247/NCR</b> <b>R4248/RCR</b>	44 36.5	9.5 9.5	123 123.5	EE EE	30° 45°
1984	6	<b>Eng. 6.354.4</b> <b>Eng. 6.354 - Turbo</b> 5800 cc.	98.476	31431315 3142A052	IN EX	<b>R3659/SCR</b> <b>R4248/RCR</b>	44.5 36.5	9.48 9.5	123 123.5	EE EE	45° 45°
		<b>Eng. T-6.60</b> Series 1004	100	3142D041 3142D031	IN EX	<b>R6306/RCR</b> <b>R6307/RCR</b>	43 41	9 9	123 123	EE EE	45° 45°
		Series 1004 - 4.421		3142H041 3142D061	IN EX	<b>R6455/RCR</b> <b>R6456/RCR</b>	45 42	9 9	124.1 124.1	EE EE	45° 45°
1986	4/6	<b>Eng. Phaser</b> T4.40 - T6.60 Turbo 5985 cc.	100	3142L071 3142A051	IN EX	<b>R4928/RCR</b> <b>R4925/RCR</b>	45 37.4	9.5 9.5	123 123.3	EE EE	45° 45°
	4/6	Serie 1000 <b>Eng. 4.40 - 6.60</b>	100	3142L051 3142A051	IN EX	<b>R4988/SCR</b> <b>R4925/RCR</b>	45 37.4	9.5 9.5	122.9 123.3	EE EE	45° 45°
	4/6	Serie 1000 <b>Eng. T4.40 - T6.60</b>	100	3142L072 3142A051	IN EX	<b>R4989/RCR</b> <b>R4925/RCR</b>	45 37.4	9.5 9.5	123.2 123.3	EE EE	30° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1974	6	<b>Eng. 6.372 Turbo</b> 6097 cc.	101.05	31431315	IN	<b>R3659/SCR</b>	44.5	9.48	123	EE	45°
				31431311	EX	<b>R3660/RCR</b>	37.5	9.45	123.5	EE	45°
1966	V8	<b>Eng. V8.510</b> Up to eng. 510U18340 Up to eng. 510UD7083 8360 cc	107.95	31431822			IN	<b>R3719/RCR</b>	45.5	9.5	139.5
1974 1975				31431385	EX	<b>R3720/RCR</b>	39	9.5	139.5	EE	45°
				<b>Eng. V8.540</b> <b>Eng. V8.510</b> From eng. 510U18341 From eng. 510UD7084 8830 cc.							
<b>NEW</b>	3	<b>Eng. 1103B-C</b> 3299 cc.	105	3142H071	IN	<b>R6875/SNT</b>	46.36	8.94	129.12	EE	30°
	4	<b>Eng. 1104A-D</b> 4399 cc.		3142A151	EX	<b>R6876/RCR</b>	41.62	8.94	129.12	EE	30°
	3	<b>Eng. 3.27</b> S 900		3142H007	IN	<b>R6357/RCR</b>	41.8	7	116	I	35°
				3142H042	EX	<b>R6358/RCR</b>	38	7	115.5	I	45°
				3142A091							
	3	S 700		3142H011	IN	<b>R6359/SCR</b>	44	7	106.5	I	45°
				3142A101	EX	<b>R6360/RCR</b>	37.2	7	106.3	I	45°
2004		Series 700 Forklift		1457503	IN	<b>R6457/SCR</b>	42	7	106.4	I	45°
			1457499	EX	<b>R6458/RCR</b>	34	7	106.3	I	45°	
			4803849								

## PEUGEOT





1986	4	205 GL - XE Junior	70	0948.57	IN	<b>R4228/S</b>	34.7	7	112.8	E	30°
1991	4	106 XR <b>Eng. C1A TU9</b> 954 cc.		0949.58	EX	<b>R4229/RCR</b>	27.7	7	112.6	E	45°
2006	3	107 1.0 i 12V <b>Eng. 1KR-FE</b> 998 cc.	71	0948.E2	IN	<b>R6439/SNT</b>	27.5	5	88.5	S	45°
				0949.C8	EX	<b>R6440/RNT</b>	23.6	5	89.1	S	45°
2012	3	208 1.0 i 12V <b>Eng. ZMZ/EBO</b> 999 cc.	71	9676359080	IN	<b>R6805/S</b>	29.10	5	92.55	S	45°
				9676359180	EX	<b>R6806/RNT</b>	26.10	5	91.80	S	45°
1972	4	104 GL - GR - SL	72	0948.38	IN	<b>R3627/S</b>	37	8	113.5	E	30°
1983		104 GLS		0949.33	EX	<b>R3628/R</b>	29	8	113.5	E	45°
1983		205 GL - GR		0949.42							
1981		Samba 1.1 <b>Eng. XW7</b> 1124 cc.									





## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986	4	205 GR - GL <b>Eng. H1A TU1</b>	72	0948.58	IN	<b>R4230/S</b>	36.7	7	112.8	E	30°
1990		309 GE <b>Eng. TU1</b>		0949.59	EX	<b>R4231/RCR</b>	29.2	7	112.6	E	45°
1991		106 XR <b>Eng. TU1K</b>									
1996		106i 1.1 306i 1.1									
1996		Partner 1.1i Ranch 1.1 i <b>Eng. TU1M-HDZ-HFX</b> 1124 cc.									
1998	4	206 1.1i <b>Eng. TU1JP</b>	72	0948.91	IN	<b>R6110/S</b>	36.7	7	112.7	E	45°
2001		1124 cc. 307 1.4 i 1360 cc.		0949.59	EX	<b>R4231/RCR</b>	29.2	7	112.6	E	45°
1985	4	205 - 309 GL <b>Eng. E1A</b>	74	0948.51	IN	<b>R4289/SCR</b>	34	8	107	E	45°
		1118 cc.		0949.53 138851	EX	<b>R4290/RCR</b>	29	8	107.5	E	45°
<b>NEW</b>	3	208 1.2 12V VTI 2808 1.2 12V VTI <b>Eng. HMZ-HM01-EB2-</b> EB2F	75	9676359080	IN	<b>R6805/S</b>	29.10	5	92.55	S	45°
		1199 cc.		9676359180	EX	<b>R6806/RNT</b>	26.10	5	91.80	S	45°
				1608838680	IN	<b>R6952/S</b>	27	5	92.60	S	45°
				1608838780	EX	<b>R6953/RNT</b>	24.20	5	93	S	45°
2013	3	308 1.2 12V VTI <b>Eng. HM01-EB2</b>	75	9676359080	IN	<b>R6805/S</b>	29.10	5	92.55	S	45°
		1199 cc.		9676359180	EX	<b>R6806/RNT</b>	26.10	5	91.80	S	45°
2014	3	108 1.2 12V VTI <b>Eng. HM01-EB2</b>	75	9676359080	IN	<b>R6805/S</b>	29.10	5	92.55	S	45°
		1199 cc.		9676359180	EX	<b>R6806/RNT</b>	26.10	5	91.80	S	45°
2013	3	308 1.2 Turbo 12V	75	9801960980	IN	<b>R6936/SCR</b>	26.39	5	93.48	S	45°
2015		2008 1.2 Turbo 12V		9807645980	EX	<b>R6937/BMAR</b>	23.77	5.15	92.90	S	45°
2015		3008 1.2 Turbo 12V									
2016		5008 1.2 Turbo 12V									
2015		DS 3 1.2 Turbo 12V									
2015		DS 4 1.2 Turbo 12V <b>Eng. HNY-EB2DTS</b>									
<b>NEW</b>		1199 cc.									
1969/75	4	204 C - GL - L <b>Eng. XK 4</b>	75	0948.30	IN	<b>R3388/N</b>	37	8	126.5	E	30°
		1130 cc.		0949.23	EX	<b>R3389/R</b>	29.5	8	125.5	E	45°
				0949.28							



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1979	4	104 SR <b>Eng. XZ 5</b>	75	0948.38	IN	<b>R3627/S</b>	37	8	113.5	E	30°
1980	104 S - ZS <b>Eng. XY 6B</b> 104 ZS <b>Eng. XYR</b> 205 GT <b>Eng. XY 8</b>	0949.33 0949.42		EX		<b>R3628/R</b>	29	8	113.5	E	45°
							1983	205 GR - SR <b>Eng. XY 7</b> 1361 cc.			
1986	4	205 CJ - GR - SR - XR <b>Eng. K1A TU3</b> 205 CT - GT - XS - XT <b>Eng. K2A TU3</b>	75	0948.58	IN	<b>R4230/S</b>	36.7	7	112.8	E	30°
1987	405 GL <b>Eng. K1A TU3</b>	0949.59		EX		<b>R4231/RCR</b>	29.2	7	112.6	E	45°
							1991	106 XT <b>Eng. TU32K</b> 1360 cc.			
1994	106 1.4i										
1996	Partner 1.4i										
1998	206 1.4i <b>Eng. TU3JP</b> 1360 cc.										
1996	Ranch 1.4 i <b>Eng. TU32-KFX</b>										
1993	4 306 1.4 i <b>Eng. TU1M - TU3MC</b> 1361 cc.										
2008	4 Bipper Tepee 1.4 i <b>Eng. KFV (TU3JP)</b> 1361 cc.										
1991	4	106 XiS <b>Eng. TU3F</b> 1361 cc.		75	0948.73	IN	<b>R4881/S</b>	39	7	111.7	I
1993	106 Rallye <b>Eng. TU3F-J2K</b> 1294 cc.	0948.65 0949.70	EX			<b>R4882/RCR</b>	31	7	111.5	I	45°
1982	4	Samba Rallye <b>Eng. XZ5</b> 1219 cc. Samba GLS <b>Eng. XY8</b> 1361 cc.	75	0948.38	IN	<b>R3627/S</b>	37	8	113.5	E	30°
				EX	0949.33 0949.42	<b>R3628/R</b>	29	8	113.5	E	45°
2006	4	1007 1.4 8V <b>Eng. TU3JP</b> 1360 cc.	75	0948.91	IN	<b>R6110/S</b>	36.7	7	112.7	E	45°
				0949.59	EX	<b>R4231/RCR</b>	29.2	7	112.6	E	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.51	<b>G2976</b> <b>G2977</b>	IN/EX	47.5	7.99	13.07 13.12	G	C.I.
0220.59	<b>G3159</b> <b>G3160</b>	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.84	<b>G3454</b> <b>G3455</b> <b>G3456</b>	IN/EX	48.5	7.01	13.06 13.11 13.16	B	C.I.
0220.51	<b>G2976</b> <b>G2977</b>	IN/EX	47.5	7.99	13.07 13.12	G	C.I.
0220.59	<b>G3159</b> <b>G3160</b>	IN/EX	47.5	7	13.06 13.11	G	C.I.

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RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE**  
remarks

**PEUGEOT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002 2005 2006	4	307 1.4 i 16V 207 1.4 i 16V 1007 1.4 i 16V <b>Eng. ET3J4-KFU</b> 1360 cc.	75	0948.C8 0949.C4	IN EX	<b>R6441/S</b> <b>R6442/BMCR</b>	28.2 24.35	5.5 5.5	100.7 101.1	I I	45° 45°
2012 <b>NEW</b>	4	4008 1.6 16V <b>Eng. 4A92</b> 1590 cc.	75	1607612780 1607612580	IN EX	<b>R8007/SNT</b> <b>R8008/RNT</b>	30.45 25.45	5 5	87.30 88.60	S S	45° 45°
1985	4	205 309 GL - GR <b>Eng. G1A - G1B</b> 1294 cc.	76.7	0948.52 0949.53 138851	IN EX	<b>R4291/SCR</b> <b>R4290/RCR</b>	36 29	8 8	107 107.5	E E	45° 45°
2007	4	207 1.4 i 16V 308 1.4 i 16V <b>Eng. 8 FP EP3</b> 1397 cc.	77	0948.F9 0949.F6	IN EX	<b>R6712/S</b> <b>R6725/R</b>	29.95 25.10	5 5	97.10 110.75	I I	45° 45°
2007  2010	4	207 1.6 i 16V 308 1.6 i 16V 3008 1.6 i 16V 508 1.6 i 16V <b>Eng. 5FW EP6</b> <b>Eng. 5FS EP6C</b> 1598 cc.	77	0948.F9 0949.F6	IN EX	<b>R6712/S</b> <b>R6725/R</b>	29.95 25.10	5 5	97.10 110.75	I I	45° 45°
2010	4	RCZ 1.6 16V <b>Eng. EP6CDTX</b> <b>Eng. EP6CDT</b> 1598 cc.	77	0948.G4 0949.E2	IN EX	<b>R6711/S</b> <b>R6664/RCR</b>	29.70 26	5 5	95.10 110.1	I I	45° 45°
1975  1977	4	204 304 GL - LE <b>Eng. XK 5</b> 1127 cc. 304 S - SLS - SL 304 GL - GLE 305 GL - GR <b>Eng. XL5</b> 1290 cc. 305 S - SR <b>Eng. XR5</b> 1472 cc.	78	0948.39 0949.44 0949.43	IN EX EX	<b>R3931/S</b> <b>R3932/RCR</b> <b>R4214/RCR</b>	39.5 32.5 33.5	8 8 8	116 113 114.2	E E E	30° 45° 45°
1993	4	106 XSI 306 XT <b>Eng. TU5JP</b> <b>Eng. TU5J2</b> 1578 cc.	78.5	0948.73 0948.65 0949.70	IN EX	<b>R4881/S</b> <b>R4882/RCR</b>	39 31	7 7	112 111.5	I I	30° 45°
1996	4	106 i 16V <b>Eng. TU5J4-NFX</b> 1587 cc.	78.5	0948.83 0949.89	IN EX	<b>R4975/SCR</b> <b>R4976/RCR</b>	28.8 24.5	6 6	104.4 104.4	S S	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11495</b> <b>G11496</b>	IN/EX	38	5.5	10.57 10.60	B	L
1607589980	<b>G11640</b>	IN/EX	34.4	5	10.6	B	L-X-U
	<b>G11524</b> <b>G11525</b> <b>G11526</b> <b>G11527</b>	IN EX	41 44.5	5.01	9.05 9.09 9.05 9.09	B B	L L
	<b>G11524</b> <b>G11525</b> <b>G11526</b> <b>G11527</b>	IN EX	41 44.5	5.01	9.05 9.09 9.05 9.09	B B	L L
	<b>G11524</b> <b>G11525</b> <b>G11526</b> <b>G11527</b>	IN EX	41 44.5	5.01	9.05 9.09 9.05 9.09	B B	L L
0220.40	<b>G2554</b> <b>G2555</b>	IN/EX	51	8.02	14.05 14.10	G	C.I.
0220.84	<b>G3454</b> <b>G3455</b> <b>G3456</b>	IN/EX	48.5	7.01	13.06 13.11 13.16	B	C.I.
0220.95	<b>G11259</b> <b>G11260</b>	IN/EX	40	6	11.07 11.12	B	C.I.

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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.42 0942.51 0942.53 0903.68	<b>PI 06-0019</b>   <b>RA06-978</b>	I
	<b>PI 06-0046*</b> <b>PI 06-0047*</b> <b>RA06-950</b>	I I
	<b>PI 06-0046*</b> <b>PI 06-0047*</b> <b>RA06-950</b>	I I
	<b>PI 06-0046*</b> <b>PI 06-0047*</b> <b>RA06-950</b>	I I
	<b>PI 06-0046*</b> <b>PI 06-0047*</b> <b>RA06-950</b>	I I
	<b>PI 06-0024</b>	I


**NOTE**  
remarks

	<b>PI 06-0046*</b> 12X29.90 <b>PI 06-0047*</b> 12X39.30		
	<b>PI 06-0046*</b> 12X29.90 <b>PI 06-0047*</b> 12X39.30		
	<b>PI 06-0046*</b> 12X29.90 <b>PI 06-0047*</b> 12X39.30		

**PEUGEOT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	106 1.6 i <b>Eng. TU5JP/2-NFZ-NFY</b> From spec. 07875	78.5	0948.93 0949.70	IN EX	<b>R6089/S</b> <b>R4882/RCR</b>	39.4 31	7 7	111.7 111.5	I I	45° 45°
1998 1998		206 1.6 306 1.6 XT <b>Eng. TU5JP-NFZ-NFT</b> 1587 cc.									
2000	4	206 1.6 16V 307 1.6 16V	78.5	0948.A9 0948.E0	IN	<b>R6147/S</b>	31.2	6	103.8	S	45°
2005		1007 1.6 16V 207 1.6 16V		0949.A8 0949.C5	EX	<b>R6148/RCR</b>	24.5	6	104.4	S	45°
2001		Ranch 1.6 16V <b>Eng. NFU-TU5JP4</b> 1587 cc.									
2007	4	207 1.6 16V 308 1.6 16V	78.5	0948.E8 0949.E2	IN EX	<b>R6663/S</b> <b>R6664/RCR</b>	28.8 26	5 5	105.7 110.1	I I	45° 45°
2009		3008 1.6 16V 5008 1.6 16V <b>Eng. EP6DTS</b> 1598 cc..									
1964/75	4	404 J7 <b>Eng. KF 2</b>	80	0948.24 0948.34 0948.21	IN EX	<b>R3196/N</b> <b>R3197/XBCR</b>	41.5 35.5	8 8	119 112	E E	30° 45°
2000	4	607 1.8i 16V	82.7	0948.A4	IN	<b>R6157/S</b>	29.8	6	106	S	45°
2001		406 1.8i 16V		0949.A4	EX	<b>R6158/BMCR</b>	27.2	6	104	S	45°
2003		407 1.8 i 16V 1749 cc. <b>Eng. EW7J4-6FZ-6FY</b> 1749 cc.									
1984	4	205 GTI 305 GT 309 GR - GT - SR	83	0948.47 0949.52 0949.48	IN EX EX	<b>R3985/SCR</b> <b>R3986/RCR</b> <b>R4311/RCR</b>	40 33 32	8 8 8	109.5 108.7 108.7	E E E	45° 45° 45°
1987		405 <b>Eng. XU5</b> 1580 cc.									



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.59	<b>G3159</b> <b>G3160</b>	IN/EX	47.5	7	13.06 13.11	G	C.I.
0220.95	<b>G11259</b> <b>G11260</b>	IN/EX	40	6	11.07 11.12	B	C.I.
	<b>G11524</b> <b>G11525</b> <b>G11526</b> <b>G11527</b>	IN EX	41 44.5	5.01 5.01	9.05 9.09 9.05 9.09	B B	L L
0220.25	<b>G2560</b> <b>G2561</b> <b>G2972</b>	IN/EX	55	8.02	14.05 14.10 14.15	G	C.I.
02130.12	<b>G11315</b> <b>G11316</b>	IN	40	6	12.07 12.12	B	C.I.
02130.13	<b>G11317</b> <b>G11318</b>	EX	40	6	12.07 12.12	G	C.I.
0220.64	<b>G3239</b> <b>G3240</b> <b>G3241</b> <b>G3242</b>	IN EX	38.7 45	8.01 8.01	13.06 13.11 13.07 13.12	B B	C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.50	<b>PI 06-0037</b>	I
	<b>PI 06-0046*</b> <b>PI 06-0047*</b> <b>RA06-950</b>	I I
	<b>PI 06-0024</b>	I






**NOTE  
remarks**

**PI 06-0046\***  
12X29.90  
**PI 06-0047\***  
12X39.30

**PEUGEOT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986 1992 1987 1987	4	205 GTI - CTI 205 309 GTI 405 GE - GL - GR - SR <b>Eng. XU5</b> 1580 cc.	83	0948.56 0949.57	IN EX	<b>R4292/XB</b> <b>R4293/RCR</b>	41.5 34.5	8 8	108.5 108.5	E E	45° 45°
1992	405 GE - GL - GR - SR <b>Eng. XU7JP</b> 1762 cc.										
1986 1987 1986 1987	205 GTI 1.9 305 GT 309 GTI 405 GE - GL - GR - SR <b>Eng. XU9</b> 1905 cc.										
1985 1984 1985 1987	205 305 305 GTX 309 GTI 405 GLI - GR - SR 405 GE - DL - GR - SR <b>Eng. XU9</b> 1905 cc.	83		0948.54 0949.54	IN EX	<b>R4226/S</b> <b>R4227/RCR</b>	39.5 33	8 8	105.2 105.2	E E	45° 45°
1987	405 GRI - SRI <b>Eng. XU9-J2</b> 1905 cc.	83		0948.62 0948.71 0949.63 0949.78	IN EX	<b>R4532/S</b> <b>R4533/RARCR</b>	41.6 34.5	8 8	105.2 104.8	E E	45° 45°
1989/90 1987/91	309 1.9 GTI 16V 405 1.9 MI 16V <b>Eng. XU9-J4-D6C</b> 1905 cc.	83		0948.61 0949.62	IN EX	<b>R4456/SCR</b> <b>R4457/RCR</b>	34.5 29.6	7 7	106.5 105.8	I I	45° 45°
1994 1995 1997 1997	306 1.8 i 806 1.8 i 406 1.8 I Ranch 1.8 i <b>Eng. XU7JP/JB-LFX</b> 1762 cc.	83		0948.56 0949.57	IN EX	<b>R4292/XB</b> <b>R4293/RCR</b>	41.5 34.5	8 8	108.5 108.5	E E	45° 45°
03/97-06/97 1995-06/97	306 1.8 16V 406 1.8 i 16V <b>Eng. LFY-XU7JP4</b> Unti spec. 07359 1761 cc.	83		0948.75 0949.81	IN EX	<b>R6329/SCR*</b> <b>R6330/RCR*</b>	34.5 29.6	7 7	106.4 105.7	I I	45° 45°
1997	406 1.8 Partner 1.8 <b>Eng. XU7JB</b> 1762 cc.	83		0948.71 0949.78	IN EX	<b>R4360/S</b> <b>R4361/RARCR</b>	41.6 34.5	8 8	105.2 104.8	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.64	<b>G3239</b> <b>G3240</b> <b>G3241</b> <b>G3242</b>	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07 13.12	B	C.I.
0220.64	<b>G3239</b> <b>G3240</b> <b>G3241</b> <b>G3242</b>	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07 13.12	B	C.I.
0220.64	<b>G3239</b> <b>G3240</b> <b>G3241</b> <b>G3242</b>	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07 13.12	B	C.I.
0220.73	<b>G3536</b> <b>G3537</b> <b>G3538</b> <b>G3539</b>	IN	40	7.01	12.06	B	C.I.
0221.19		EX	40	7.01	12.11 12.06 12.11	B	C.I.
0220.64	<b>G3239</b> <b>G3241</b>	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07	B	C.I.
0221.19	<b>G3538</b> <b>G3539</b>	IN/EX	40	7.01	12.06 12.11	B	C.I.
0220.64	<b>G3239</b> <b>G3241</b>	IN	38.7	8.01	13.06	B	C.I.
		EX	45	8.01	13.07	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580 9633365880	<b>PI 06-0007</b>	I
9629316580 9633365880	<b>PI 06-0007</b>	I


**NOTE  
remarks**
**PEUGEOT**
**\*6329-6330**  
Retainer stem  
end 2.2 mm

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1995	4	406 1.8 <b>Eng. XU7JP4 CEE 95</b> 1761 cc.	83	0948.82 0949.92	IN EX	<b>R6060/S</b> <b>R6111/RCR</b>	34 29.6	6 6	106.4 105.8	E E	45° 45°
1962/69	4	404 A <b>Eng. KF 1</b> 404 GTi <b>Eng. KF 2</b>	84	0948.33 0948.55 0948.29	IN	<b>R3390/N</b>	42.5	8	119	E	30°
1971	J7 <b>Eng. XC</b>	0949.27 0949.55 0949.69		EX	<b>R3391/R</b>	35.5	8	112	E	45°	
1980	J9 <b>Eng. XC</b>										
1979	505 <b>Eng. XC5</b>										
1968	1618 cc. 504 TI <b>Eng. KF</b>										
1971	505 L <b>Eng. XM7</b> J5 - J7 <b>Eng. XM7</b> 1796 cc.										
1999 2000 1999 2005 2000 1999	4	206 2.0 i 16V 307 2.0 i 16V 406 2.0 i 16V 407 2.0 i 16V 806 2.0 i 16V Expert 2.0 i 16V 807 2.0 i 16V <b>Eng. EW10J4-RFN-RFR</b> <b>Eng. RFK-RFJ</b> 1998 cc.	85	0948.99 0949.99	IN EX	<b>R6113/S</b> <b>R6114/RCR</b>	33.3 29	6 6	106.2 103.6	E E	45° 45
2001	4	406 2.0 HPI 16V <b>Eng. RLZ-EW10D</b> 1998 cc.	85	0948.A7 0949.A7	IN EX	<b>R6159/S</b> <b>R6160/BMCR</b>	32.4 29.2	6 6	105 102.6	S S	45° 45°
1993	4	306 XT 405 GRI - GTX - SRI 605 SL - SR - SRI 806 SR - ST <b>Eng. XU10J2</b> 1998 cc.	86	0948.66 0949.66 0949.72	IN EX	<b>R4458/S</b> <b>R4459/RCR</b>	42.6 34.5	8 8	108.8 108.4	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0221.25	<b>G11158</b> <b>G11223</b>	IN	41	5.98	12.07 12.12	B	C.I.
0221.26	<b>G11159</b> <b>G11225</b>	EX	41	5.99	12.07 12.12	G	C.I.
0220.25	<b>G2560</b> <b>G2561</b> <b>G2972</b>	IN/EX	55	8.02	14.05 14.10 14.15	G	C.I.
	<b>G11352</b> <b>G11353</b>	IN/EX	41	6	12.07 12.12	B	C.I.
02130.12	<b>G11315</b> <b>G11316</b>	IN	40	6	12.07 12.12	B	C.I.
02130.13	<b>G11317</b> <b>G11318</b>	EX	40	6	12.07 12.12	G	C.I.
	<b>G3340</b> <b>G3341</b> <b>G3344</b> <b>G3345</b>	IN EX	43.5 51	8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580 9633365880	<b>PI 06-0007</b>	I
0942.48 0942.46	<b>PI 06-0024</b>	I


**NOTE  
remarks**
**PEUGEOT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994 1992/95 1995  1992/95	4	306 2.0 i 16V 405 2.0 MI 16V 406 2.0 i 16V <b>Eng. XU10J4/Z-RFT-RFY</b> 405 2.0 i Turbo 16V <b>Eng. XU10J4TE-RGZ</b> 1998 cc.	86	0948.61 0949.62	IN EX	<b>R4456/SCR</b> <b>R4457/RCR</b>	34.5 29.6	7 7	106.5 105.8	I I	45° 45°
03/97-06/97 1995-06/97 1994-06/97	4	306 2.0 i 16V 406 2.0 i 16V 605 2.0 i 16V <b>Eng. RFV-XU10J4R</b> Until spec. 07359 1998 cc.	86	0948.75 0949.81	IN EX	<b>R6329/SCR*</b> <b>R6330/RCR*</b>	34.5 29.6	7 7	106.4 105.7	I I	45° 45°
07/97	4	306 1.8 i 16V 406 1.8 i 16V <b>Eng. LFY-XU7JPA</b> From spec.07360 1761 cc.	86	0948.92 0949.92	IN EX	<b>R6112/S</b> <b>R6111/RCR</b>	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
07/97  1998/00	4	306 2.0 i 16V 406 2.0 i 16V 605 2.0 i 16V 806 2.0 i 16V <b>Eng. XU10J4R-RFV</b> From spec.07360 1998 cc.	86	0948.92 0949.92	IN EX	<b>R6112/S</b> <b>R6111/RCR</b>	34.6 29.6	6 6	106.4 105.8	E E	45° 45°
1994  1989  1994	4	306 2.0 i <b>Eng. XU10J2C-RFX</b> 605 2.0 i <b>Eng. XU10J2C/Z-RFZ</b> 806 2.0 i <b>Eng. XU10J2C-RFU</b> 1997 cc.	86	0948.66 0949.66 0949.72	IN EX	<b>R4608/S</b> <b>R4609/RCR</b>	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
1994 1991 1994	4	406 2.0 i Turbo 605 2.0 i Turbo 806 2.0 io Turbo <b>Eng. XU10J2T/TE-RGX</b> 1998 cc.	86	0948.66 0949.66 0949.72	IN EX	<b>R4608/S</b> <b>R4609/RCR</b>	42.6 34.5	8 8	108.8 108.4	I I	45° 45°
2004	4	Boxer 2.0 i <b>Eng. XU10J2U-RFW</b> 1998 cc.	86	0948.56 0949.57	IN EX	<b>R4292/XB</b> <b>R4293/RCR</b>	41.5 34.5	8 8	108.5 108.5	E E	45° 45°
1997	4	306 2.0 i 16V <b>Eng. XU10J4RS-rfs</b> 1998 cc.	86	0948.82 0949.87	IN EX	<b>R6060/S</b> <b>R6061/BMARCR</b>	34 30.7	6 6	106.4 105.3	S S	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.73	<b>G3536</b> <b>G3537</b>	IN	40	7.01	12.06 12.11	B	C.I.
0221.19	<b>G3538</b> <b>G3539</b>	EX	40	7.01	12.06 12.11	B	C.I.
0221.19	<b>G3538</b> <b>G3539</b>	IN/EX	40	7.01	12.06 12.11	B	C.I.
	<b>G11352</b> <b>G11353</b>	IN/EX	41	6	12.07 12.12	B	C.I.
	<b>G11352</b> <b>G11353</b>	IN/EX	41	6	12.07 12.12	B	C.I.
	<b>G3340</b> <b>G3341</b> <b>G3344</b> <b>G3345</b>	IN EX	43.5 51	8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
	<b>G3340</b> <b>G3341</b> <b>G3344</b> <b>G3345</b>	IN EX	43.5 51	8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
0220.64	<b>G3239</b> <b>G3241</b>	IN EX	38.7 45	8.01	13.06 13.07	B B	C.I. C.I.
	<b>G11352</b> <b>G11353</b>	IN/EX	41	6	12.07 12.12	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9629316580 9633365880	<b>PI 06-0007</b>	I
9629316580 9633365880	<b>PI 06-0007</b>	I
9629316580 9633365880	<b>PI 06-0007</b>	I
9629316580 9633365880	<b>PI 06-0007</b>	I
9629316580 9633365880	<b>PI 06-0007</b>	I


**NOTE**  
remarks

**R6329/SCR\***  
**R6330/RCR\***  
Retainer stem  
end 2.2 mm

**PEUGEOT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000 2004 2000 2002	4	406 2.2 i 16V 407 2.2 i 16V 607 2.2 i 16V 807 2.2 i 16V <b>Eng. 3FZ EW12J4</b> 2230 cc.	86	0948.A1 0949.A2	IN EX	<b>R6347/S</b> <b>R6348/RCR</b>	35 31.1	6 6	106 102.8	S S	45° 45°
1996	4	Expert 1.6 i <b>Eng. 220A2.000</b> 1581 cc.	86.4	7609772 5973129	IN EX	<b>R4252/SCR</b> <b>R3594/RCR</b>	37.5 33.5	8 8	108.5 109	EE EE	45° 45°
1972 1979	4	504 TI - 504 GL 505 GR - SR 505 - 604 <b>Eng. XN1 - XN2 - XN6</b> 1971 cc.	88	0948.33 0948.55 0948.29 0949.27 0949.55 0949.69	IN EX	<b>R3390/N</b> <b>R3391/R</b>	42.5 35.5	8 8	119 112	E E	30° 45°

## PEUGEOT DIESEL

2010	4	Bipper 1.3 HDI <b>Eng. 199A9.000</b> 1248 cc.	69.6	0948.H0 0949.G3	IN EX IN EX	<b>R6304/SCR</b> <b>R6305/BMCR</b> <b>R6636/SCR</b> <b>R6640/BMCR</b>	21.9 21.9 22.45 22.5	6 6 6 6	109.2 109.2 109.2 109.2	I I I I	45° 45° 45° 45°
2001 2005 2005 2001 2005 2008	4	307 1.4 HDI 1007 1.4 HDI 107 1.4 HDI 206 1.4 HDI 207 1.4 HDI Bipper Tepee 1.4 HDI <b>Eng. -8HX-8HZ-8HR</b> <b>Eng. (DV4C-DV4TD)</b> 1398 cc.	73.7	0948.C2 0949.B1	IN EX	<b>R6149/SCR</b> <b>R6150/BMCR</b>	32.8 30.2	5.5 5.5	97.5 97.5	I I	45° 45°
2011	4	1007 1.4 HDI <b>Eng. DV4TD</b> From OPR 10339 1398 cc.	73.7	0948.F5 0949.F0	IN EX	<b>R6694/SCR</b> <b>R6695/BMCR</b>	32.8 30.2	5.5 5.5	97.05 97.05	I I	45° 45°
1992/96	4	106 1.4 D <b>Eng. K9A-K9Y-TUD3/Y</b> 1361 cc.	75	0948.69 0949.71	IN EX	<b>R4412/S</b> <b>R4413/RCR</b>	35.5 30.6	7 7	108.4 108.2	E E	45° 45°
2018 <b>NEW</b>	4	2008 I 1.5 BlueHDI 100/120 208-308 1.5 BlueHDI 100 508 1.5 BlueHDI 130 D3 - DS7 1.5 BlueHDI 130 <b>Eng. YHY(DV5RD)</b> <b>YHY(DV5RD)</b> <b>YHR(DV5RUCd9)</b> <b>YHV(D5VRUC)</b> 1499 cc	75	3553632 9814152480 9814152380 938084780 3553641	IN EX	<b>R8017/SCR</b> <b>R8022/RCR</b>	25.40 22.06	5.5 5.5	95.38 94.81	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11352</b> <b>G11353</b>	IN/EX	41	6	12.07 12.12	B	C.I.
4250803 4372160	<b>G2235</b> <b>G2236</b>	IN/EX	46.5	8.03	14.06 14.11	G	C.I.
0220.38	<b>G2980</b>	IN/EX	51	8	13.05	G	C.I.
	<b>G11310</b> <b>G11311</b>	IN/EX	43	6.02	10.03 10.07	G	L-X
	<b>GS11310</b>	IN/EX	43	6.02	10.03	SM	L-X
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G3332</b> <b>G3336</b>	IN EX	40.2 43	7 7	13.07 13.07	B B	C.I. C.I.
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0024</b>	I
4152447 60800018	<b>PI 03-102</b>	M
46475925 73501138	<b>PI 06-0019</b> <b>RA06-900</b>	I
9638075480 0903.65 9636848280	<b>PI 06-0019</b> <b>RA06-914</b>	I
0942.53 0903.65	<b>PI 06-0019</b> <b>RA06-914</b>	I
96027105	<b>PI 03-105</b>	M


 NOTE  
remarks

PEUGEOT

PEUGEOT DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	4	206 1.6 HDI 16V	75	0948.C7	IN	<b>R6397/SCR</b>	25.6	5.5	96.4	I	45°
2004		307 1.6 HDI 16V		0949.C3	EX	<b>R6398/BMCR</b>	23.4	5.5	96.6	I	45°
2004		407 1.6 HDI 16V									
2005		207 1.6 HDI 16V									
2005		Ranch 1.6 HDI 16V									
		<b>Eng. 9HY-9HZ (DV6TED4)</b> <b>Eng. 9HX (DV6ATED4)</b> 1560 cc.									
2010	4	5008 1.6 HDI	75	0948.F7	IN	<b>R6726/SCR</b>	30.15	5.5	95.60	I	45°
2009		207 1.6 HDI		0949.F5	EX	<b>R6727/RCR</b>	27.5	5.5	95.50	I	45°
2010		508 1.6 HDI									
2009		308 1.6 HDI									
2016		Traveller 1.6 BlueHDi									
		<b>Eng. 9HP(DV6DTEd)</b> 1560 cc.									
2010	4	207 1.6 HDI 16V	75	0948.G1	IN	<b>R6728/SCR</b>	25.6	5.5	96.06	I	45°
		308 1.6 HDI 16V		0949.F7	EX	<b>R6729/RCR</b>	23.5	5.5	96.25	I	45°
		3008 1.6 HDI 16V 5008 1.6 HDI 16V									
		<b>Eng. 9HZ(DV6TED4)</b> 1560 cc.									
2014	4	308 1.6 BlueHDi	75	0948.F7	IN	<b>R6726/SCR</b>	30.15	5.5	95.60	I	45°
		<b>Eng. DV6FC-DV6FD</b> 1560 cc.		0949.F5	EX	<b>R6727/RCR</b>	27.5	5.5	95.50	I	45°
2016	4	Traveller 1.6 BlueHDi	75	0948.F7	IN	<b>R6726/SCR</b>	30.15	5.5	95.60	I	45°
		<b>Eng. DV6</b> 1560 cc.		0949.F5	EX	<b>R6727/RCR</b>	27.5	5.5	95.50	I	45°
1968/73	4	204 D	75	0948.28	IN	<b>R3386/N</b>	35	8	121	E	30°
		<b>Eng. XLD</b> 1255 cc.		0949.26	EX	<b>R3387/RCR</b>	29.5	8	121	E	45°
1973/76		204 D - 304LD/GLD	78	0949.35							
		<b>Eng. XL4D</b> 1357 cc.									
1994	4	106 1.5 XAD	77	0948.74	IN	<b>R4821/S</b>	37	7	108.4	E	45°
1994		106 1.5 D		0949.80	EX	<b>R4822/RCR</b>	31.5	7	108.1	E	45°
		<b>Eng. TUD5-VJY-VJZ</b> 1527 cc.									
1983/86	4	205 GLD - GRD - SRD	80	0948.46	IN	<b>R3987/S</b>	38.5	8	112.4	E	30°
		305 GLD - SRD		0949.60	EX	<b>R3988/RCR</b>	33	8	112	E	45°
		309 GLD - SRD		0949.73	EX	<b>R4810/RCR</b>	33	8	112	E	45°
		<b>Eng. XUD7 - 161A</b> 1769 cc.									
1986	4	205 GLD - GRD - SRD	80	0948.59	IN	<b>R4243/SCR</b>	38.5	8	112.4	E	45°
		305 GLD - SRD		0949.60	EX	<b>R3988/RCR</b>	33	8	112	E	45°
		309 GLD - SRD		0949.73	EX	<b>R4810/RCR</b>	33	8	112	E	45°
		<b>Eng. XUD7 - 161A</b> 1769 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>GS11413</b>	IN/EX	34	5.5	9.54	SM	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G2556</b> <b>G2557</b>	IN/EX	56.5	8.02	14.06 14.11	G	L
	<b>G3555</b> <b>G3557</b>	IN	40.2	7	13.07 13.12	B	C.I.
	<b>G3556</b> <b>G3558</b>	EX	43	7	13.07 13.12	B	C.I.
0220.55	<b>G3234</b> <b>G3235</b>	IN/EX	50	8.02	14.06 14.11	B	L
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0903.67 0903.J1	<b>PI 06-0019</b> <b>RA06-934</b>	I
	<b>PI 06-0019</b> <b>RA06-914</b>	
	<b>PI 06-0019</b> <b>RA06-934</b>	I
0942.28	<b>PI 03-105</b>	M


 NOTE  
remarks

PEUGEOT DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1988/92	4	405 GRD - GTD - SRD <b>Eng. XUD7 TE-Turbo</b> 1769 cc. 205 GRD - SRD - GTD 309 GRD - SRD <b>Eng. XUD7 T-Turbo</b> 1769 cc.	80	0948.63 0949.74	IN EX	<b>R4883/RCR</b> <b>R3988/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
2005/09	V6	407 2.7 Hdi V6 24V <b>Eng. UHZ-DT17-DT17TED4</b> 2720 cc.	81	0948.E1 0949.C6	IN EX	<b>R6942/SCR</b> <b>R6943/BMCR</b>	27.8 25.20	6 6	97.10 96.40	I I	45° 45°
1998 1998	4	206 1.9D Ranch 1.9 D <b>Eng. DW8-WJY-WJZ</b> 1868 cc.	82.2	0948.94 0949.73	IN EX	<b>R4243/SCR</b> <b>R4810/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
1980	4	Solara D Horizon EXD - LD <b>Eng. XUD9</b> 1905 cc.	83	0948.46 0949.60 0949.73	IN EX EX	<b>R3987/S</b> <b>R3988/RCR</b> <b>R4810/RCR</b>	38.5 33 33	8 8 8	112.4 112 112	E E E	30° 45° 45°
1983/86	4	305 GLD - SRD 309 GLD - GRD - SRD 309 XAD - XLD - XRD <b>Eng. XUD9 - 162</b> 1905 cc.	83	0948.46 0949.60	IN EX	<b>R3987/S</b> <b>R3988/RCR</b>	38.5 33	8 8	112.4 112	E E	30° 45°
1986  1988 1991  1993/95	4	205 D 309 GLD - GRD - SRD 309 XAD - XLD - XRD <b>Eng. XUD9 - 162</b> 1905 cc. <b>Eng. XUD9 - 162</b> 405 GLD - GRD 309 SRD - GRD J5 <b>Eng. XUD9A</b> 306 SRD - GRD <b>Eng. XUD7 - XUD9</b> 1905 cc.	83	0948.59 0949.60 0949.73	IN EX EX	<b>R4243/SCR</b> <b>R3988/RCR</b> <b>R4810/RCR</b>	38.5 33 33	8 8 8	112.4 112 112	E E E	45° 45° 45°
1993 1992 1995 1994	4	306 GTD 405 GTD - SRDT 406 SL - ST 1.9 TD 806 GTD - SRDT - STDT <b>Eng. XUD9TE - Turbo</b> 1905 cc.	83	0948.63 0949.74	IN EX	<b>R4883/RCR</b> <b>R3988/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
1995	4	406 1.9 TD-ST Turbo D <b>Eng. XUD9TF - OHC</b> 1905 cc.	83	0948.63 0949.74	IN EX	<b>R4883/RCR</b> <b>R3988/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3528</b> <b>G11025</b>	IN/EX	48	8.02	14.05 14.10	B	C.I.
	<b>G11625</b>	IN/EX	39.2	6	10.73	G	L
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b> <b>G3528</b> <b>G11025</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L
0220.55	<b>G3234</b> <b>G3235</b>	IN/EX	48	8.02	14.05 14.10	B	C.I.
0220.55	<b>G3234</b> <b>G3235</b>	IN/EX	50	8.02	14.06 14.11	B	L
0220.55	<b>G3234</b> <b>G3235</b>	IN/EX	50	8.02	14.06 14.11	B	L
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L
	<b>G3528</b> <b>G11025</b>  <b>G11272*</b> <b>G11273</b>	IN/EX  IN/EX	48  48	8.02  8.02	14.05 14.10  14.05 14.10	B  G	C.I.  C.I.
	<b>G3528</b> <b>G11025</b>	IN/EX	48	8.02	14.05 14.10	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-964</b>	I


 NOTE  
remarks

 \* **G11272**  
CAST IRON  
VERSION

PEUGEOT DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2012 <b>NEW</b>	4	4008 1.5 HDI <b>Eng. 6HZ-4N13</b> 1798 cc.	83	1010A260	IN	<b>R6887/SNT</b>	28.15	6	121.65	EE	45°
				1607612480 1011A286 1607612680		EX	<b>R6888/BMNT</b>	23.7	6	113	EE
2009/12	V6	407 3.0 HdI V6 24V <b>Eng. X8Z-X801-DT20C</b> 2992 cc.	84	0948.E1 0949.C6	IN EX	<b>R6942/SCR</b> <b>R6943/BMCR</b>	278 25.20	6 6	97.10 96.40	I I	45° 45°
1995 1989	4	406 ST 2.1 TD 12V 605 SRDT - SVDT <b>Eng. XUD11A TE - TD</b> 2088 cc.	85	0948.68 0949.68	IN EX	<b>R4623/SCR</b> <b>R4624/BMARCR</b>	33.9 33.9	8 8	122.3 121.9	I I	45° 45°
1989/95		605 2.1 D 12V <b>Eng. XUD11A-P9A</b> 2138 cc.		86							
1996 1996 1996/99	4	406 2.1 TD 12V 605 2.1 TD 12V 806 2.1 TD 12V <b>Eng. XUD11BTE TD-P8C-PHZ</b> 2088 cc.	85	0948.68 0949.68	IN EX	<b>R4623/SCR</b> <b>R4624/BMARCR</b>	33.9 33.9	8 8	122.3 121.9	I I	45° 45°
1999 1999 1999 2000 2000 2000 2000		206 2.0 HDI 306 2.0 HDI 406 2.0 HDI 307 2.0 HDI 806 2.0 HDI Expert 2.0 HDI Ranch 2.0 HDI <b>Eng. DW10TD-RHY-RHZ</b> <b>Eng. DW10ATED-RHY-RHZ</b> <b>Eng. DW10BTED-RHX</b> 1998 cc.		85	0948.95 0949.96	IN EX	<b>R6092/SCR</b> <b>R6093/BMCR</b>	35.6 33.8	6 6	107.1 107.1	I I
2000 2001	4	806 2.0 HDI 16V Ranch 2.0 HDI 16V <b>Eng. RHS-RHW</b> Expert 2.0 HDI	85	0948.C0 0949.A9	IN EX	<b>R6161/SCR</b> <b>R6162/BMCR</b>	29.9 25	6 6	106.2 106.1	I I	45° 45°
2001 2002 2001		307 2.0 HDI <b>Eng. RHS</b> 807 2.0 HDI 16V 406 2.0 HDI 16V <b>Eng. DW10ATED4-RHS</b> <b>Eng. RHS-RHW-RHX-RHY</b> <b>Eng. RHZ</b> <b>Eng. DW10BTED4</b> 1997 cc.									

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11630</b> <b>G11631</b> <b>GS11630</b> <b>GS11631</b>	IN EX IN EX	48.7 48.2 48.7 48.2	6 6 6 6	11.11 11.10 11.11 11.10	G G SM SM	L-X L-X-U L-X L-X-U
	<b>G11625</b>	IN/EX	39.2	6	10.73	G	L
2200.81	<b>G3513</b> <b>G11026</b>	IN/EX	54.5	8.01	13.06 13.12	B	C.I.
2200.81	<b>G3513</b> <b>G11026</b>	IN/EX	54.5	8.01	13.06 13.12	B	C.I.
0220.A2	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX IN/EX	41.5 41.5	6 6	10.06 10.11 10.06	G SM	L L
0220.A1	<b>G11396</b> <b>G11397</b>	IN/EX	42.5	6	12.06 12.11	G	C.I.
0220.A2	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX IN/EX	41.5 41.5	6 6	10.06 10.11 10.06	G SM	L L
0220.A1	<b>G11396</b> <b>G11397</b>	IN/EX	42.5	6	12.06 12.11	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-914</b>	I
	<b>PI 06-0019</b> <b>RA06-964</b>	I
0903.65 TRUST PAD	<b>PI 06-0017</b> <b>RA06-912</b> <b>RA06-928</b>	I
0942.25 0903.65 TRUST PAD	<b>PI 06-0017</b> <b>RA06-912</b> <b>RA06-928</b>	I
9638075480 0903.64 0903.58 0903.59	<b>PI 06-0019</b> <b>RA06-913</b>	I
0942.49 0903.69 0903.60	<b>PI 06-0039</b> <b>RA06-915</b>  <b>PI 06-0019</b> <b>RA06-913</b>	I  I


**NOTE  
remarks**

	<b>RA06-913</b> L46 DIA R 17MM
	<b>RA06-915</b> L58.4 <b>RA06-913</b> L46 DIA R 17MM <b>PI 06-0019</b> ONLY ENG. RHS-RHX ENG. RHY-RHZ <b>PI 06-0039</b> ONLY ENG. RHW

**PEUGEOT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003 2004 2005	4	307 2.0 HDI 16V 407 2.0 HDI 16V 607 2.0 HDI 16V <b>Eng. DW10BTED4-RHR</b> 1997 cc.	85	0948.A3 0949.A3	IN EX	<b>R6163/SCR</b> <b>R6164/BMCR</b>	29.8 25	6 6	105 105	I I	45° 45°
2010	4	308 2.0 HDI 16V 3008 2.0 HDI 16V 5008 2.0 HDI 16V RCZ 2.0 HDI 16V <b>Eng. RHH (DW10CTED4)</b> 1997 cc.	85	0948.F6 0949.A3	IN EX	<b>R6724/SCR</b> <b>R6164/BMCR</b>	27.25 25	6 6	104.5 105	I I	45° 45°
2014	4	508 2.0 BlueHDI 16V <b>Eng. DW10FD-DW10FC</b> 1997 cc.	85	0948.E5 0949.E1	IN EX	<b>R6595/SCR</b> <b>R6596/BMCR</b>	27.2 25	6 6	95.80 95	I I	45° 45°
2001 2001 2002	4	406 2.2 HDI 16 607 2.2 HDI 16V 807 2.2 HDI 16V <b>Eng. DW12TED4-4HX</b> 2179 cc.	85	0948.A3 0949.A3	IN EX	<b>R6163/SCR</b> <b>R6164/BMCR</b>	29.8 25	6 6	105 105	I I	45° 45°
2006 2007	4	607 2.2 HDI 16V 4007 2.2 HDI 16V <b>Eng. 4HT (DW12BTED4)</b> 2179 cc.	85	0948.E5 0949.E1	IN EX	<b>R6595/SCR</b> <b>R6596/BMCR</b>	27.2 25	6 6	95.80 95	I I	45° 45°
2006	4	Boxer 2.2 Hdi 100 <b>Eng. 4HV (P22DTE)</b> 2198 cc.	86	0948.E6 0949.E3	IN EX	<b>R6508/SCR</b> <b>R6509/RCR</b>	29.8 25.8	7 7	122.3 122.1	I I	45° 45°
1968  1971  1970	4	J7 - J9 <b>Eng. XDP4.90 Indenor</b> 2112 cc. 404D - 504D <b>Eng. XD4.88 Indenor</b> 1948 cc. 504D <b>Eng. XD4.90 Indenor</b> 2112 cc.	88  90	0948.27 0949.25	IN EX	<b>R3442/N</b> <b>R3443/RCR</b>	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°
1994  1994	4	605 2.5 TD 12V <b>Eng. DK5ATE-THY</b> Boxer 2.5 TD12V <b>Eng. T9A-DJ5-THX-DJ5T</b> 2446 cc	92	0948.72 0949.79	IN EX	<b>R4944/SCR</b> <b>R4945/RCR</b>	36.9 36.9	7 7	127.9 127.5	I I	45° 45°
2001	4	Boxer 2.5 TDI 8V <b>Eng. DJ5TED-THX</b> 2446 cc.	92	0948.84 0949.90	IN EX	<b>R6151/SCR</b> <b>R6152/RCR</b>	41 37.8	7 7	115.7 115.5	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
0220.A2	<b>G11319</b>	IN/EX	41.5	6	10.06	G	L
	<b>G11320</b>				10.11		
	<b>GS11319</b>	IN/EX	41.5	6	10.06	SM	L
	<b>G11569</b>	IN/EX	51.5	6.96	12.06	G	L
	<b>G11570</b>				12.10		
0220.16	<b>G2558</b>	IN/EX	55.4	8.50	14.06	G	L
	<b>G2559</b>				14.11		
	<b>G2986*</b>	IN/EX	55.4	8.50	14.06	B	L
	<b>G2987</b>				14.11		
0220.93	<b>G3566</b>	IN/EX	54	7.01	13.05	B	C.I.
	<b>G11036</b>				13.10		
0220.93	<b>G3566</b>	IN/EX	54	7.01	13.05	B	C.I.
	<b>G11036</b>				13.10		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
0942.49	<b>PI 06-0039</b>	I
0903.69	<b>RA06-915</b>	
0903.60		
0942.49	<b>PI 06-0039</b>	I
0903.69	<b>RA06-915</b>	
0903.60		
	<b>PI 06-0017</b>	I
	<b>PI 06-0016</b>	I


**NOTE**  
remarks

**RA06-915**  
L58.4





**RA06-915**  
L58.4

**\* G2986**  
BRONZE VERSION

**PEUGEOT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1975	4	504 GL 505 GRD - SRD <b>Eng. XD2</b>	94	0948.37 0949.25	IN EX	<b>R3658/S</b> <b>R3443/RCR</b>	40.5 33.5	8.5 8.5	116.5 116.5	E E	30° 45°
1983		J7 - J9 <b>Eng. XD2P94</b> 2304 cc.									
1980	4	505 SRD 604 D - GRD - SRD <b>Eng. XD2S Turbo</b> 2304 cc.	94	0948.27 0949.25	IN EX	<b>R3442/N</b> <b>R3443/RCR</b>	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°
1984	4	505 SRD - 604 GTD <b>Eng. XD3T - Turbo</b> 2498 cc.	94	0948.49 0949.50	IN EX	<b>R4018/S</b> <b>R4019/BMCR</b>	42.5 35.5	8.5 8.5	116 116	E E	45° 45°
1980	4	Tagora TD <b>Eng. XD2S - Turbo</b> 2304 cc.	94	0948.27 0949.25	IN EX	<b>R3442/N</b> <b>R3443/RCR</b>	40.5 33.5	8.5 8.5	116.5 116.5	E E	45° 45°
2000	4	Boxer 2.8 HDI <b>Eng. 8140.43S</b> 2800 cc.	94.4	0948.A2 0949.A0	IN EX	<b>R3989/RNT</b> <b>R4887/BMCR</b>	41 36	8 8	120.7 122	EE EE	30° 45°
2006	4	Boxer 3.0 HDI 16V <b>Eng. F1CE0481</b> 2999 cc.	94.4	504072531 504081062	IN EX	<b>R6368/SCR</b> <b>R6369/BMCR</b>	32.4 32.4	6 6	120 119.95	I I	30° 30°





## PORSCHE

2014	4	Macan 2.0 <b>Eng. MCN.CC-MCY.NA</b> <b>MCY.NB-MCY.PA</b> 1984 cc.	82.5	06L109601 06K109611A	IN EX	<b>R6900/SCR</b> <b>R6207/BMCR</b>	33.85 28	6 6	104 102	I I	45° 45°
2002	V8	Cayenne 4.5 <b>Eng. M48.00</b> 4511 cc.	83	94810531101 94810531200	IN EX	<b>R6706/SARCR</b> <b>R6707/BMARCR</b>	37.08 32.45	6 6	109.15 109.45	I I	45° 45°
2004	V8	Cayenne 4.5 <b>Eng. M48.50S Turbo</b> 4511 cc.	83	94810531101 94810531253	IN EX	<b>R6706/SARCR</b> <b>R6708/BMARCR</b>	37.08 32.45	6 6	109.15 109.53	I I	45° 45°
2007	V8	Cayenne 4.8 <b>Eng. M48.01</b> 4806 cc.	83	94810532102 94810532202	IN EX	<b>R6736/SCR</b> <b>R6738/BMARCR</b>	38.2 33	6 6	107.7 108.1	I I	45° 45°
2007	V8	Cayenne 4.8 <b>Eng. M48.51 Turbo</b> 4806 cc.	83	94810532102 94810532252	IN EX	<b>R6736/SCR</b> <b>R6737/BMARCR</b>	38.2 33	6 6	107.7 108.2	I I	45° 45°
2010	V8	Cayenne 4.8 <b>Eng. M48.02</b> 4806 cc.	83	94810532102 94810532202	IN EX	<b>R6736/SCR</b> <b>R6738/BMARCR</b>	38.2 33	6 6	107.7 108.1	I I	45° 45°
2010	V8	Cayenne 4.8 <b>Eng. M48.52 Turbo</b> 4806 cc.	83	94810532102 94810532252	IN EX	<b>R6736/SCR</b> <b>R6737/BMARCR</b>	38.2 33	6 6	107.7 108.2	I I	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002	V6	Cayenne 3.2i V6 24V <b>Eng. M02.2Y</b> 3189 cc.	84	022 109 601H 022 109 601G 022 109 611P	IN	<b>R6702/SARCR</b>	33.2	6	136.3	I	45°
						<b>R6703/SARCR</b>	33.2	6	102.4	I	45°
					EX	<b>R6704/BMARCR</b>	30.2	6	136.1	I	45°
						<b>R6705/BMARCR</b>	30.2	6	102.2	I	45°
2013	V6	Macan 3.0 i 24V Panamera 3.0 i 24V <b>Eng. CTM-MCTMA-CWD</b> <b>MCWDA-CWF-MCWFA</b> 2997 cc.	96	94810532102 94810532252	IN	<b>R6736/SCR</b>	38.2	6	107.7	I	45°
2013	V6	Macan 3.6 i 24V Panamera 3.6 i 24V <b>Eng. CTL-MCTL-M46.20</b> <b>M46.40-CWA-MCWAA</b> 3605 cc.			EX	<b>R6737/BMARCR</b>	33	6	108.2	I	45°

## PORSCHE DIESEL

2009/14	V6	Cayenne 3.0 TDI 24V Macan 3.0 TDI 24V Panamera 3.0 TDI 24V <b>Eng. 05.9D.9E-CRC</b> <b>MCRCA-MCRCC</b> 2967 cc.	83		IN	<b>R6514/S</b>	28.8	6	99.5	I	45°
					EX	<b>R6515/BMAR</b>	26.8	6	99.4	I	45°

## RENAULT

1962	4	R4 L Dauphine - Gordini <b>Eng. 670 - 780</b>	54.5	5555752	IN	<b>R1499/N</b>	27	7	73	M	45°
			58	7700555263 7701458195	EX	<b>R1498/R</b>	25	7	73.5	K	45°
1972	4	R5 - R6 850 cc.		6075981 7700555263 7701458195	IN	<b>R3392/N</b>	28	7	73	M	45°
					EX	<b>R1498/R</b>	25	7	73.5	K	45°
1972	4	R4 L - TL <b>Eng. BA1</b> 782 cc.	55.8	7700648970 7700565824 7701458152	IN	<b>R1497/N</b>	28	7	73	M	45°
					IN	<b>R3602/S</b>	28	7	73	E	45°
1972		R4 L - TL R5 L - R6 L <b>Eng. B1B</b> 845 cc.	58	7700555263 7701458195	EX	<b>R1498/R</b>	25	7	73.5	K	45°
1972	4	R4 F - FS - FSA - TL <b>Eng. 813</b> 852 cc. R5 GTL - GTS - TL <b>Eng. C1C</b> 956 cc.	61.4	7700509771 7701458180 7700505115 7701458190	IN	<b>R3393/N</b>	33.5	7	89.5	M	45°
					IN	<b>R3589/S</b>	33.5	7	89.5	E	45°
					EX	<b>R3394/R</b>	30	7	89	K	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11556</b> <b>G11557</b> <b>G11558</b> <b>G11559</b>	IN  EX	44  65	6  6	10.06 10.11 10.06 10.11	B  B	C.I.  C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
7109389	<b>G2567</b>	IN/EX	34	7	11.12	G	L
7109389	<b>G2567</b>	IN/EX	34	7	11.12	G	L
7109389	<b>G2567</b>	IN/EX	34	7	11.12	G	L
7109390 7109410	<b>G2571</b> <b>G2572</b> <b>G2573</b>	IN/EX	41.5	7	11.13 11.18 11.23	G	L

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0040</b> <b>RA06-946</b>	I


 NOTE  
remarks

PORSCHE

PORSCHE DIESEL

RENAULT

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1984	4	R5 TC Supercinq <b>Eng. C1C A.700</b> 956 cc.	65	7701458180 7700638247 7701460690	IN EX	<b>R3589/S</b> <b>R3649/R</b>	33.5 29	7 7	89.5 89	E K	45° 45°
1975		R6 GTL - TL R7 GTL	70								
1976		R4 GTL - GTP - TL - F4 R5 GTL - GPL									
1981		R9 C - GTC - TCE									
1983		R11 GTC - TCE <b>Eng. C1E</b> 1108 cc.									
1998	4	Clio 1.1 <b>Eng. C1E.700</b> 1149 cc.	69	7701458180 7701461802	IN EX	<b>R3589/S</b> <b>R3966/R</b>	33.5 29	7 7	89.5 89	E K	45° 45°
1997	4	Clio 1.2 i	69	7701469266	IN	<b>R4933/S</b>	32.8	6	106.8	E	30°
1997		Kangoo 1.2 i		7701469269	EX	<b>R4934/R</b>	29.9	6	106.8	E	45°
1997		Twingo 1.1 i									
1998		Kangoo Express 1.2 i <b>Eng. 7F.700/701/702/706</b> <b>720/726/730</b> <b>Eng. D7F.A7/D7/G7/J7</b> 1149 cc.									
2004	4	Clio 1.2 i 16V	69	7701472986	IN	<b>R6177/S</b>	26	5.5	110.7	I	45°
2001		Kangoo 1.2 i 16V		7701473004	EX	<b>R6178/BM</b>	22	5.5	112.5	I	45°
2001		Twingo 1.2 i 16V		8200343412							
2001		Modus 1.2 i 16V									
2001		Kangoo Express 1.2 i 16V <b>Eng. D4F-D4F.D7</b> <b>Eng. D4F.712/714/416</b> 1149 cc.									
2007	4	Clio III 1.2 TCE 16V	69	7701472986	IN	<b>R6177/S</b>	26	5.5	110.7	I	45°
		Modus 1.2 TCE 16V		7701477875	EX	<b>R6791/BMCR</b>	22.10	5.5	112.6	I	45°
		Modus II 1.2 GT/TCE 16V									
		Twingo II 1.2 GT/TCE 16V <b>Eng. D4F/784/786</b> <b>Eng. D4F/780/782</b> 1149 cc.									
1984	4	R5 GL - GTL	70	7701458180	IN	<b>R3589/S</b>	33.5	7	89.5	E	45°
1985		Express		7701460690	EX	<b>R3966/R</b>	29	7	89	K	45°
1989		R5 TL - SL - Five <b>Eng. C1E - G750</b> 1108 cc.		7701461802							
1990	4	Clio 1.1 <b>Eng. C1E</b> 1108 cc.	70	7701458180 7701461802	IN EX	<b>R3589/S</b> <b>R3966/R</b>	33.5 29	7 7	89.5 89	E K	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1987  1988	4	R5 GTL - TL - TR R9 GTC - GTL - C - TC R11 GTC - TC R19 GTR - TR - TRE <b>Eng. C1G - B530</b> 1237 cc.	71.5	7701462137 7701460690 7701461802	IN EX	<b>R3965/S</b> <b>R3966/R</b>	34 29	7 7	91.5 89	E K	45° 45°
2012 2013	3	Clio IV 0.9 Tce Captur 0.9 Tce <b>Eng. H4B</b> 898 cc.	72.2	132013562R 132025379R	IN EX	<b>R6799/SNT</b> <b>R6800/RCR</b>	26.55 23.50	5.5 5.5	100.90 101.7	I I	45° 30°
2013 2016 2015 2013 2012 2013 <b>NEW</b>	4	Captur 1.2 T Clio IV 1.2 TCE Kadjar 1.2 TCE Kangoo 1.2 TCE Megane 1.20 TCE Scenic III 1.2 TCE <b>Eng. H5F400-402-403</b> <b>H5F 404-408-412</b> 1197 cc.	72.2	13201-7322R 13202-7223R	IN EX	<b>R6901/SNT</b> <b>R6902/BMCR</b>	26.58 23.50	5.5 5.5	100.86 101.85	I I	45° 30°
1969 1974	4	R12 TS R10 - R12 - R15 1289 cc.	73	7701458180 7700505115 7701458190 7701460690 7701461802	IN EX EX	<b>R3589/S</b> <b>R3394/R</b> <b>R3966/R</b>	33.5 30 29	7 7 7	89.5 89 89	E K K	45° 45° 45°
1976/79  1979	4	R14 GTL - L - TL - TS <b>Eng. R1210 - R1211</b> 1218 cc. R14 GTL - TL - GTS -TS <b>Eng. X5J - X6J</b> 1361 cc.	75	7701459824 7701459825	IN EX	<b>R3627/S</b> <b>R3628/R</b>	37 29	8 8	113.5 113.5	E E	30° 45°
1989	4	R5 TL R19 Chamade TR <b>Eng. C3J-E760-C710</b> 1389 cc.	75.8	7701462385 7701461214	IN EX	<b>R4223/SCR</b> <b>R4566/BMCR</b>	34 28.8	7 7	90.5 89.3	K K	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7109390 7109410	<b>G2571</b> <b>G2572</b> <b>G2573</b>	IN/EX	41.5	7	11.13 11.18 11.23	G	L
	<b>G11471</b> <b>G11628</b>	IN EX	40.5 50.5	5.5 5.5	11.07 11.07	B B	C.I. C.I.
7109390 7109410	<b>G2571</b> <b>G2572</b> <b>G2573</b>	IN/EX	41.5	7	11.13 11.18 11.23	G	L
7109390 7109410	<b>G2571</b> <b>G2572</b> <b>G2573</b>	IN/EX	41.5	7	11.13 11.18 11.23	G	L

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE**  
remarks

**RENAULT**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1987/96	4	R19 1.2 <b>Eng. E7F</b>	75.8	7700273371	IN	<b>R4574/S</b>	37.5	7	107.8	E	30°
1990		Clio 1.2 i <b>Eng. E7F.700/704/706</b> /708/720/726/730/750 <b>Eng. E7J.601/710/711/716</b> /718/719 1171 cc.		7701465088 7701475894 7701465090 7701472195 7700865832	EX	<b>R4575/RCR</b>	33.6	7	107.8	E	45°
1989		R19 1.4 i <b>Eng. E6J-E7J</b>									
1990		Clio 1.4 i <b>Eng. E6J.712/713/718</b> <b>Eng. E5F.710/716</b> <b>Eng. E7J</b>									
1990		Express 1.4 <b>Eng. C3J.B700</b>									
1996		Megane 1.4 i <b>Eng. E7J.764</b>									
1997		Kangoo 1.4 i									
1998		Clio 1.4 i									
1998		Kangoo Express 1.4 i <b>Eng. E7J</b> <b>Eng. K7J.A7/B7</b> <b>Eng. K7J.700/701</b> 1390 cc.									
1981	4	R5 GTL - TS - TX <b>Eng. C2J</b>	76	7701462137	IN	<b>R3965/S</b>	34	7	91.5	E	45°
		R9 GTL <b>Eng. C1J-715</b>		7700638247	EX	<b>R3649/R</b>	29	7	89	K	45°
		R9 GTC - GTE - GTL - R9 TL - TSE		7701460690							
1983		R11 GTL - TL <b>Eng. C2J-717-718</b> 1397 cc.									



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1984 1985 1989	4	R5 GTL 1.4 R5 GTS - TS - TSE R5 GTS <b>Eng. C1J - C2J</b>	76	7701462137 7701460690 7701461802	IN EX	<b>R3965/S</b> <b>R3966/R</b>	34 29	7 7	91.5 89	E K	45° 45°
1987 1984 1988		R9 TL - GTL R11 GTL - TL - TSE R18 TL R19 GTR - TR R19 Chamade TR - GTR <b>Eng. C1J - C2J</b> 1397 cc.									
1982 1984		Fuego - Trafic Express GTL <b>Eng. 847</b> 1397 cc.									
1986 1988	4	R5 GTL - GTS - SL - TL R9 - R9 GTL - TSE R11 - R11 TL R19 GTR - TR Express GTL <b>Eng. C2J - C3J</b> 1397 cc.	76	7701462385 7701461214	IN EX	<b>R4223/SCR</b> <b>R4566/BMCR</b>	34 28.8	7 7	90.5 89.3	K K	45° 45°
1985	4	R5 Supercinq - Turbo R9 - R11 Turbo <b>Eng. C1J-782-760</b> 1397 cc.	76	7701462385 7701463181	IN EX	<b>R4223/SCR</b> <b>R3649/R</b>	34 29	7 7	90.5 89	K K	45° 45°
1978 1980/82	4	R18 GTL - TL Fuego <b>Eng. 847</b> 1397 cc.	76	7701460699 7700638247 7701460690	IN EX	<b>R3648/S</b> <b>R3649/R</b>	34 29	7 7	91.5 89	E K	30° 45°
2009 <b>NEW</b>	4	Megane 1.4 TCE <b>Eng. H4J700</b> 1397 cc.	78	13201-6894R 13202-8778R	IN EX	<b>R6862/SNT</b> <b>R6863/RNT</b>	29.5 24.45	5 5.5	101.4 102.5	S S	45° 45°
2017 <b>NEW</b>	4	Captur 1.6 16V <b>Eng. 4M430/438/730</b> <b>Eng. 4M738/740</b> 1598 cc.	78	13201-9075R 13201-8521R 13202-9606R 13202-8257R	IN EX	<b>R6966/SNT</b> <b>R6967/RNT</b>	31.7 25.45	5 5	101.8 102.5	S S	45° 45°
1976/79 1980 1976 1980	4	R17 TS R18 GTL - GTS - TS R20 GTL - L - TL Fuego <b>Eng. R1318 - R1328</b> 1647 cc.	79	7701458792 7701458793	IN EX	<b>R3556/S</b> <b>R3557/R</b>	39 34.5	8 8	111 111	E E	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1978	4	R18 GTL - GTS - TS <b>Eng. A6M</b>	79	7700629763	IN	<b>R3590/S</b>	36	8	105	E	45°
1980		Master R - Trafic PA/TA <b>Eng. A1M</b>		7701460624	EX	<b>R3591/R</b>	31.5	8	103.5	I	45°
1983		Fuego GTL <b>Eng. A2M</b> 1647 cc.		7700639199 7701460625							
1996	4	Megane Scenic 1.6 i <b>Eng. K7M.702/703/720</b> 1598 cc.	79.5	7701465088 7701465090 7701468149	IN EX	<b>R4574/S</b> <b>R4575/RCR</b>	37.5 33.6	7 7	107.8 107.8	E E	30° 45°
1999	4	Clio 1.4 i 16V <b>Eng. K4J.A7/B7/C7</b>	79.5	7701471378	IN	<b>R6029/S</b>	32.7	5.5	109.3	E	45°
2005		Clio 1.4 i 16C <b>Eng. KL4J.GA</b>		7701471379	EX	<b>R6030/R</b>	28	5.5	107.7	E	45°
1996		Megane 1.4 i 16V <b>Eng. K4J.C7/D7</b>		7701473354							
2004		Megane 1.4 i 16V <b>Eng. K4J.714/730/750</b>									
2004		Modus 1.4 i 16V <b>Eng. K4J.G7</b> 1390 cc.									
1998	4	Clio 1.6 i 16V	79.5	7701471378	IN	<b>R6029/S</b>	32.7	5.5	109.3	E	45°
2001		Kangoo 1.6 i 16V		7701471379	EX	<b>R6030/R</b>	28	5.5	107.7	E	45°
1996		Megane 1.6 i 16V		7701473354							
2001		Kangoo Express 1.6 i 16V <b>Eng. K4M.A7/B7/G7</b>									
2005		Clio 1.6 i 16V <b>Eng. K4M.700</b>									
1997		Laguna 1.6 i 16V <b>Eng. K4M.8</b>									
2005		Laguna 1.6 i 16V <b>Eng. K4M.D7</b>									
2002		Megane 1.6 i 16V <b>Eng. K4M.57</b>									
2004		Modus 1.6 i 16V <b>Eng. K4M.T7/W7</b>									
		<b>Eng. K4M.7</b> 1598 cc.									
1987	4	R5 Supercinq GT <b>Eng. C2J - 780</b> 1721 cc.	81	7701462137 7701460690 7701461802	IN EX	<b>R3965/S</b> <b>R3966/R</b>	34 29	7 7	91.5 89	E K	45° 45°
1987	4	R5 GTE - Turbo <b>Eng. C1J-784</b> 1721 cc.	81	7701462385 7701463181	IN EX	<b>R4223/SCR</b> <b>R3649/R</b>	34 29	7 7	90.5 89	K K	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7701452333	<b>G2997</b>	IN	40	8	13.15	G	L
	<b>G2998</b>				13.20		
7109425	<b>G3001</b>	EX	49	8	13.15	G	L
	<b>G3002</b>				13.20		
	<b>G3247</b>	IN	40	8.01	13.06	B	C.I.
	<b>G3248</b>				13.10		
7701462486	<b>G3251</b>	EX	49	8.01	13.07	B	C.I.
	<b>G3252</b>				13.10		
	<b>G3466</b>	IN	42	7.01	12.05	B	C.I.
	<b>G3467</b>				12.10		
	<b>G3470</b>	EX	49	7.01	12.05	B	C.I.
	<b>G3471</b>				12.10		
7700109151	<b>G11238</b>	IN/EX	40.5	5.5	11.07	B	L
	<b>G11239</b>				11.12		
	<b>G11240</b>				11.17		
	<b>G11471</b>	IN/EX	40.5	5.5	11.07	B	C.I.
7700109151	<b>G11238</b>	IN/EX	40.5	5.5	11.07	B	L
	<b>G11239</b>				11.12		
	<b>G11240</b>				11.17		
	<b>G11471</b>	IN/EX	40.5	5.5	11.07	B	C.I.
7109390	<b>G2571</b>	IN/EX	41.5	7	11.13	G	L
	<b>G2572</b>				11.18		
7109390	<b>G2571</b>	IN/EX	41.5	7	11.13	G	L
	<b>G2572</b>				11.18		





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	<b>PI 06-0013</b>	I
7700107556	<b>RA06-917</b>	
7700107555	<b>PI 06-0013</b>	I
7700107556	<b>RA06-917</b>	


**NOTE  
remarks**
**RENAULT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1985 1984 1984 1988 1986 1987 1990 1990 1989	4	R5 1.7 R9 1.7 R11 1.7 R19 1.7 i R21 1.7 i Trafic 1.7 i Clio RT/BAC R19 Chamade GTX-TXE R21 Nevada TL - TS <b>Eng. F1/N/F2N/F3N/F2R</b> 1721 cc.	81	7701463081 7700713788 7701463082 7700713790	IN  EX	<b>R4221/S</b>  <b>R4222/RCR</b>	38.1 32.5	8 8	111.5 111.3	E E	30° 45°
1988  1990 1990	4	R19 16V <b>Eng. F7-B</b> R19 16V Clio 16V <b>Eng. F7P</b> 1764 cc.	82	7701465172 7701465173 7700747324	IN EX EX	<b>R4600/S</b> <b>R4757/BMARCR</b> <b>R4601/BMARCR</b>	30.7 28.6 28.6	7 7 7	107.5 108.3 109.1	E E E	45° 45° 45°
1996	4	Megane 2.0 i 16V Spider 2.0 i 16V <b>Eng. F7R 710/712</b> 1998 cc.	82.7	7700865550 7701468861 7700865551 7701468862	IN EX	<b>R6290/S</b> <b>R6291/BM</b>	33 28.4	7 7	107.2 108.8	E E	45° 45°
1998	4	Laguna 1.8 i 16V Megane 1.8 i 16V <b>Eng. F4P/770/774/720/722</b> <b>Eng. F4P/760/771/772/755</b> 1783 cc.	82.7	7701471279 7701474287 7701473101 7701471280	IN EX EX	<b>R6138/S</b> <b>R6139/R</b> <b>R6192/BM</b>	33.4 29 29	5.5 5.5 5.5	110 109 108.9	S S S	45° 45° 45°
1998 1995/01  2001  2002  2004	4	Espace 2.0 i 16V <b>Eng. F4R.A7/B7/T7/U7</b> Laguna 2.0 i 16V <b>Eng. F4R.F7</b> Laguna 2.0 i 16V <b>Eng. F4R.67/77/J7/K7</b> Megane 2.0 i 16V <b>Eng. F4R</b> Trafic 2.0 i 16V <b>Eng. F4R.L7</b> 1998 cc.	82.7	7701471287 7701473101	IN EX	<b>R6138/S</b> <b>R6139/R</b>	33.4 29	5.5 5.5	110 109	S S	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7701452333	<b>G2997</b>	IN	40	8	13.15	G	L
	<b>G2998</b>				13.20		
7109425	<b>G3001</b>	EX	49	8	13.15	G	L
	<b>G3002</b>				13.20		
7700743529	<b>G3590</b>	IN/EX	39.2	7.01	12.07	B	C.I.
	<b>G3591</b>				12.11		
7700743529	<b>G3590</b>	IN/EX	39.2	7.01	12.07	B	C.I.
	<b>G3591</b>				12.11		
7700109151	<b>G11238</b>	IN/EX	40.5	5.5	11.07	B	L
	<b>G11239</b>				11.12		
	<b>G11240</b>				11.17		
	<b>G11471</b>	IN/EX	40.5	5.5	11.07	B	C.I.
7700109151	<b>G11238</b>	IN/EX	40.5	5.5	11.07	B	L
	<b>G11239</b>				11.12		
	<b>G11240</b>				11.17		
	<b>G11471</b>	IN/EX	40.5	5.5	11.07	B	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555	<b>PI 06-0013</b>	I
7700107556	<b>RA06-917</b>	
7700107555	<b>PI 06-0013</b>	I
7700107556	<b>RA06-917</b>	


**NOTE  
remarks**
**RENAULT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2000	4	Avantime 2.0 i Turbo 16V <b>Eng. F4R.N7</b>	82.7	7701474287	IN	<b>R6138/S</b>	33.4	5.5	110	S	45°
2000		Clio 2.0 i Turbo 16V <b>Eng. F4R.57/D5</b>		7701471279							
2002		Espace 2.0 i Turbo 16V <b>Eng. F4R.V7/W7</b>		7701473101	EX	<b>R6139/R</b>	29	5.5	109	S	45°
2003		Laguna 2.0 i Turbo 16V		7701471280							
2003		Megane 2.0 i Turbo 16V <b>Eng. F4.R</b>									
2002		Vel Satis 2.0 i turbo 16V <b>Eng. F4R.Q7/R7</b> 1998 cc.									
1993	4	R19 1.8 i	82.7	7701466606	IN	<b>R4723/S</b>	40.2	8	107	E	45°
1994/96		Laguna 1.8 i <b>Eng. F3P</b> 1783/1793 cc.		7701466607	EX	<b>R4724/RCR</b>	32.6	8	107	E	45°
1993/96	4	Laguna 2.0 i <b>Eng. F3R.722/723</b>									
1995/96		Espace 2.0 i									
1995/96		Megane 2.0 i <b>Eng. F3R</b> 1998 cc.									
1997	4	Laguna 1.8 i <b>Eng. F3P</b> 1783/1793 cc.	82.7	7701468960	IN	<b>R4874/S</b>	40.1	8	115.6	E	45°
1997		Laguna 2.0 i <b>Eng. F3R.722/723</b> Megane 2.0 i Espace 2.0 i <b>Eng. F3R.</b>		7700112413 7701471170 7701468961	EX	<b>R4875/RCR</b>	32.5	8	115.4	E	45°
2001	4	Megane 2.0 16V Laguna 2.0 16V <b>Eng. F5R740</b> 1998 cc.	82.7	7701471780	IN	<b>R6063/S</b>	31.5	5.5	113.5	S	45°
				7701471781	EX	<b>R6064/BMAR</b>	27.3	5.5	114	S	45°
1998	4	Laguna 2.0 RXT 16V <b>Eng. N7QD7</b> Safrane 2.0 RXE 16V <b>Eng. N7QH7</b> 1948 cc.	83	7438610007	IN	<b>R4937/SCR</b>	31	7	104	I	45°
				7438610008	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
2007	4	Laguna 2.0 i 16V	84		IN	<b>R6603/SNT</b>	33.9	5.5	106.3	S	45°
2008		Megane 2.0 i 16V <b>Eng. M4R</b> 1997 cc.			EX	<b>R6604/RNT</b>	27.7	5.5	105.2	S	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7700109151	<b>G11238</b> <b>G11239</b> <b>G11240</b>	IN/EX	40.5	5.5	11.07 11.12 11.17	B	L
	<b>G11471</b>	IN/EX	40.5	5.5	11.07	B	C.I.
	<b>G11161</b> <b>G11162</b> <b>G11163</b>	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	<b>G11161</b> <b>G11162</b> <b>G11163</b>	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
7700114862	<b>G11344</b> <b>G11345</b>	IN/EX	45	5.5	11.06 11.11	B	L
	<b>G11201</b> <b>G11202</b>	IN/EX	45	7	11.99 12.04	G	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700107555 7700107556	<b>PI 06-0013</b> <b>RA06-917</b>	I
7700100939 7700100282 7700860677	<b>PI 03-104</b>	M
7700100939 7700100282 7700860677	<b>PI 03-104</b>	M
7700107555 7700107556	<b>PI 06-0013</b> <b>RA06-917</b>	
7431275353	<b>PI 06-0007</b>	I


**NOTE  
remarks**
**RENAULT**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1981 1977 1986 1986 1983/91	4	R18 GTX - TX R20 LS - TS R21 GTS - RX R21 GTX - TXE - TI R25 GTS - TS <b>Eng. R1343 - 1272 -</b> R1277 - 1279 <b>Eng. J6R - J7R</b> 1995 cc. 1983 Espace 2000 GTS - TSE 1980 Fuego GTL - GTX - TX <b>Eng. J6R</b> 1983 Master R/Q - Trafic <b>Eng. J5R</b> 1991 cc.	88	7701460147 7701460148	IN EX	<b>R3559/S</b> <b>R3560/R</b>	44 38.5	8 8	112 111.5	E E	30° 45°
1986 1983/91 1983	4	R21 GTX - TXE 4X4 R25 GTX Espace GTS - GTX - XE <b>Eng. J7L-L754</b> 2165 cc.	88	7701460147 7701460143	IN EX	<b>R3559/S</b> <b>R4638/RCR</b>	44 38.6	8 8	112 111.4	E E	30° 45°
1987	4	R21 Turbo <b>Eng. J7R</b> 1995 cc.	88	7701460147 7700733512	IN EX	<b>R3559/S</b> <b>R4638/RCR</b>	44 38.6	8 8	112 111.4	E E	30° 45°
1963	4	SG 2E Super Goélette <b>Eng. 671</b> 2141 cc.	88	5555172 5555705	IN EX	<b>R3000/N</b> <b>R3001/R</b>	39.5 35.5	9 9	116.5 116	D A	45° 45°
1991 1992	4	Quadra Espace GTX - TXE 2000 Safrane RN <b>Eng. J7R - J7T</b> 1995 - 2165 cc.	88	4401465325 7701460148	IN EX	<b>R4639/SCR</b> <b>R3560/R</b>	44 38.5	8 8	112 111.5	E E	30° 45°
1991/92	4	Safrane RN/RT 12V R21 Txi 12V <b>Eng. J7R-734/J7R-735</b> <b>Eng. J7R-754</b> <b>Eng. J7T-760/J7T-761</b> 1995 cc. 2165 cc.	88	7701465495 7701465496 7701465497	IN IN EX	<b>R6078/S</b> <b>R6079/S</b> <b>R6080/RCR</b>	36.4 30.4 40.4	7 7 7	111.8 111.9 112	E E E	45° 45° 45°
1992	4	Safrane 2.2 i <b>Eng. J7T</b> 2165 cc.	88	7701460147 7701460148	IN EX	<b>R3559/S</b> <b>R3560/R</b>	44 38.5	8 8	112 111.5	E E	30° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986	V6	R25 2.8 Espace 2.8 <b>Eng. Z7W</b> 2849 cc.	91								
	V6	Safrane 3.0 Laguna 3.0 Espace 3.0 <b>Eng. Z7X</b> 2975 cc.									

## RENAULT DIESEL

2001	4	Clio II 1.5 Dci	76	7701473184	IN	<b>R6185/S</b>	33.5	6	100.95	I	45°
2004		Modus 1.5 DCI		7701473184							
2003		Megane 1.5 DCI		7701473183	EX	<b>R6186/BM</b>	29	6	100.75	I	45°
		Twingo 1.5 DCI		7701476572							
2004		Scenic 1.5 DCI									
2001		Kangoo 1.5 DCI Kangoo Express 1.5 DCI <b>Eng. K9K.A7/B7/V7</b> 1461 cc.									
1985	4	R5 GTD - SD - TD	78	7701462813	IN	<b>R4164/S</b>	36.3	8	111.7	E	30°
1982		R9 GTD - TDE - TD		7701462814	EX	<b>R4165/R</b>	31.6	8	111.3	E	45°
1983		R11 GTD - TD <b>Eng. F8M</b> 1595 cc.									
1990	4	Clio RL - RN	80	7701465107	IN	<b>R4698/BM</b>	36.2	8	111.7	E	30°
1990		R19 Chamade TD - GTD		7701462814	EX	<b>R4165/R</b>	31.6	8	111.3	E	45°
1989		R21 Nevada <b>Eng. F8Q - C730 - A706</b> D710 1870 cc.									
2011	4	Megane III 1.6 Dci	79.5	132010370R	IN	<b>R6797/S</b>	23.50	6	104.20	I	45°
		Grand Scenic III 1.6DCI <b>Eng. R9M404</b> 1598 cc.		132024894R	EX	<b>R6798/BM</b>	23.40	6	104.00	I	45°
1993	4	Clio RL - RN	80	7701468035	IN	<b>R4716/S</b>	35	8	111.6	E	45°
		R19 Chamade <b>Eng. F8Q - A706 - A744</b> 740 - 742 - 764		7701462814	EX	<b>R4165/R</b>	31.6	8	111.5	E	45°
1998	4	Clio - Megane - Kangoo <b>Eng. F8Q 620 - 630</b> 1870 cc.									
1992/95	4	R19 1.9 TD <b>Eng. F8Q.740/744</b> <b>Up to eng. N. 930900</b> 1870 cc.	80	7701466716	IN	<b>R4717/S</b>	36.2	8	111.7	E	30°
				7701466717	EX	<b>R4718/R</b>	31.6	8	111.7	E	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11029</b> <b>G11030</b> <b>G3241</b> <b>G3242</b>	IN EX	48.4 45	8.01 8.01	13.07 13.12 13.07 13.12	B B	C.I. C.I.
	<b>G11308</b> <b>G11309</b>	IN/EX	40.5	6	11.07 11.12	B	C.I.
	<b>G3244</b> <b>G3245</b>	IN/EX	39	8.01	13.06 13.11	B	C.I.
	<b>G3244</b> <b>G3245</b>	IN/EX	39	8.01	13.06 13.11	B	C.I.
	<b>G11308</b> <b>G11309</b>	IN/EX	40.5	6	11.07 11.12	B	C.I.
	<b>G3244</b> <b>G3245</b>	IN/EX	39	8.01	13.06 13.11	B	C.I.
	<b>G3244</b> <b>G3245</b>	IN/EX	39	8.01	13.06 13.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700716248	<b>PI 03-103</b>	M
7700716248	<b>PI 03-103</b>	M
	<b>PI 06-0019</b> <b>RA06-940</b>	I
7700716248	<b>PI 03-103</b>	M
7700716248	<b>PI 03-103</b>	M


**NOTE**  
remarks

**RENAULT**
**RENAULT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1992/95	4	R19 1.9 TD <b>Eng. F8Q.740/744</b> <b>From eng. N. 930901</b> 1870 cc.	80	7701468035 7701466717	IN EX	<b>R4716/S</b> <b>R4718/R</b>	35 31.6	8 8	111.6 111.7	E E	45° 45°
2000	4	Clio 1.9 DTI Kangoo 1.9 DTI Kangoo Express 1.9 DTI <b>Eng. F9Q.780/782</b>	80	7700110387 7701471702 7700110389 7701471703	IN EX	<b>R4973/S</b> <b>R4974/R</b>	35.3 32.6	7 7	110.9 110.7	E E	45° 45°
1999/02		Espace 1.9 DTI <b>Eng. F9Q.720/722</b>									
2002		Espace 1.9 DCI <b>Eng. F9Q.820/826</b>									
2001		Kangoo 1.9 DCI Kangoo Express 1.9 DCI <b>Eng. F9Q.790</b>									
1997		Laguna 1.9 DTI <b>Eng. F9Q.710/716/717/718</b>									
2001		Laguna 1.9 DCI <b>Eng. F9Q.750/751/752/</b> <b>Eng. F9Q.754/756</b>									
1997		Megane 1.9 DTI <b>Eng. F9Q.730/731/734/736</b>									
2000		Megane 1.9 DTI <b>Eng. F9Q.740/744</b>									
2000		Megane 1.9 DCI <b>Eng. F9Q.732/733</b>									
2002		Megane 1.9 DCI <b>Eng. F9Q.800</b> 1870 cc.									
2000	4	Master 1.9 DTI <b>Eng. F9Q.770</b>	80	7700110387 7701471702	IN	<b>R4973/S</b>	35.3	7	110.9	E	45°
2001		Master 1.9 DCI <b>Eng. F9Q.772/774</b>		7700110389 7701471703	EX	<b>R4974/R</b>	32.6	7	110.7	E	45°
2001		Trafic 1.9 DCI <b>Eng. F9Q.760/762</b> 1870 cc.									
1996/98	4	Clio 1.9 D <b>Eng. F8Q.672/676/696</b>	80	7701469369 7701462814	IN EX	<b>R4979/BM</b> <b>R4165/R</b>	35 31.6	8 8	110 111.5	E E	45° 45°
1989/98		Clio 1.9 D Clio Van 1.9 D <b>Eng. F8Q.714/730/732</b> <b>From eng. N. 930901</b> <b>Up to eng. N. 990415</b> 1870 cc.									
1996	4	Megane 1.9 TD <b>Eng. F8Q.786</b> <b>Up to eng. N. 971204</b> 1870 cc.	80	7701469369 7701469193 7701469371	IN EX	<b>R4979/BM</b> <b>R4720/BM</b>	35 31.5	8 8	110 110.5	E E	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3244</b> <b>G3245</b>	IN/EX	39	8.01	13.06 13.11	B	C.I.
7700859086	<b>G13600</b> <b>G11164</b>	IN/EX	38.3	7	12.06 12.11	B	C.I.
	<b>G11165</b>	IN/EX	49	7.01	12.07	B	C.I.
7700859086	<b>G13600</b> <b>G11164</b>	IN/EX	38.3	7	12.06 12.11	B	C.I.
	<b>G11165</b>	IN/EX	49	7.01	12.07	B	C.I.
7700107699	<b>G11161</b> <b>G11162</b> <b>G11163</b>	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	<b>G3244</b>	IN/EX	39	8.01	13.06	B	C.I.
7700107699	<b>G11161</b> <b>G11162</b>	IN/EX	37.7	8	13.07 13.12	B	C.I.
	<b>G3244</b>	IN/EX	39	8.01	13.06	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700716248	<b>PI 03-103</b>	M


**NOTE**  
remarks

**RENAULT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1989/98	4	Clio 1.9 D	80	7701471704	IN	<b>R6062/BM</b>	35	8	110.1	E	45°
1989/98		Express 1.9 D		7701468190	IN	<b>R4719/S</b>	35	8	110.5	E	45°
		<b>Eng. F8Q.714/730/732</b>		7701471705	EX	<b>R4942/BM</b>	31.5	8	110	E	45°
		<b>From eng. N. 990416</b>		7701469373							
1998		Clio 1.9 D									
	Kangoo 1.9 D										
1996	Megane 1.9 D										
	<b>Eng. F8Q.622/624</b>										
	<b>Eng. F8Q.630/632/662</b>										
	<b>From eng. N. 971204</b>										
1994/98	Express 1.9 D										
	<b>Eng. F8Q.640/646/648/</b>										
	<b>680/682/684</b>										
	<b>From eng. N. 970901</b>										
	1870 cc.										
1996/98	4	Clio 1.9 D	80	7701471704	IN	<b>R6062/BM</b>	35	8	110.1	E	45°
		<b>Eng. F8Q.678</b>		7701468190	IN	<b>R4719/S</b>	35	8	110.5	E	45°
		<b>Up to eng. N. 950928</b>		7701469193	EX	<b>R4720/BM</b>	31.5	8	110.5	E	45°
1996		Megane 1.9 D		7701469371							
	<b>Up to eng. N. 950828</b>										
1996	Megane 1.9 TD										
	<b>From eng. N. 971205</b>										
	1870 cc.										
2014	4	Fluence 1.6 DCI	80	13201-0370R	IN	<b>R6797/S</b>	23.50	6	104.20	I	45°
2011		Megane III 1.6 DCI		13201-7444R							
2016		Koleos II 1.6 DCI		13202-7372R	EX	<b>R6798/BM</b>	23.40	6	104.07	I	45°
2016		MeganE IV 1.6 DCI		13202-4894R							
2014		Trafic III 1.6 DCI		13202-9836R							
2015		Kadjar 1.6 DVI									
	<b>Eng. R9M</b>										
	1598 cc.										
1980	4	R18 GTD - TD	86	7701461338	IN	<b>R3639/S</b>	40	8	111.5	E	45°
1979		R20 GTD - TD		7701461339	EX	<b>R3640/BM</b>	33.5	8	111.5	E	45°
1986		R21 GTD - TD - TDX									
1984/91		R25 GTD - TD - TDX									
1981		Master - Trafic									
1989		R21 Nevada									
		<b>Eng. J8S - 852 - A704</b>									
		2068 cc.									
2003	4	Scenic 2.0 DCI	84	7701476596	IN	<b>R6574/S</b>	27.7	6	103.9	I	45°
2003		Megane 2.0 DCI		7701476595	EX	<b>R6575/BM</b>	26	6	103.8	I	45°
2002		Laguna 2.0 DCI									
2002		Vel Satis 2.0 DCI									
2008		Koleos 2.0 DCI									
		<b>Eng.M9R 700 - 740- 760</b>									
	<b>Eng. M9R 780-832</b>										
	1995 cc.										

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
7700107699	<b>G11161</b> <b>G11162</b> <b>G11163</b>	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	<b>G3244</b>	IN/EX	39	8.01	13.06	B	C.I.
7700107699	<b>G11161</b> <b>G11162</b> <b>G11163</b>	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
	<b>G3244</b>	IN/EX	39	8.01	13.06	B	C.I.
	<b>G11308</b> <b>G11309</b>	IN/EX	40.5	6	11.07 11.12	B	C.I.
7701462486	<b>G3251</b> <b>G3252</b>	IN/EX	49	8.01	13.06 13.10	B	C.I.
	<b>G11523</b>	IN/EX	42.4	6	11.06	B	C.I.

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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-940</b>	I
	<b>RA06-929</b>	
7701062312 7701062311	<b>PI 06-0019</b> <b>RA06-940</b>	I


**NOTE**  
remarks

**RENAULT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2010	4	Master 2.3 CDTi 16V <b>Eng. M9T</b> 2299 cc.	85	4420439 93168105 13201-2274R 7701476595 4431241 93161681	IN  EX	<b>R6784/SNT</b>  <b>R6575/BM</b>	27.7	6	103.9	I	45°
							26	6	103.8	I	45°
1991	4	Safrane 2.1 TD <b>Eng. J8S.760</b> 2068 cc.	86	7701461338 7701461339	IN EX	<b>R3639/S</b> <b>R3640/BM</b>	40	8	111.5	E	45°
							33.5	8	111.5	E	45°
1996	4	Espace 2.2 TD 12V <b>Eng. G8T.714/716/718</b>	87	7701468169 7701468170	IN EX	<b>R4712/S</b> <b>R4713/BMCR</b>	32	7	117.5	I	45°
1994/98		Laguna 2.2 TD 12V <b>Eng. G8T.706/752/790/</b> <b>Eng. G8T.792/794</b>					31	7	117.5	I	45°
1996		Laguna 2.2 TD 12V <b>Eng. G8T.760</b>									
1997		Safrane 2.2 TD 12V <b>Eng. G8T.740</b> 2188 cc.									
2002	4	Avantime 2.2 DCI 16V <b>Eng. G9T.L7</b>	87	7701472669 7701472670	IN EX	<b>R6237/S</b> <b>R6238/BM</b>	30.7	6	123.1	I	45°
2000		Espace 2.2 DCI 16V <b>Eng. G9.TA7/J7/K7</b>					29.5	6	122.9	I	45°
2001		Laguna 2.2 DCI 16V <b>Eng. G9T.7</b>									
2004		Laguna 2.2 DCI 16V <b>Eng. G9T.7/A6</b>									
2002		Vel Satis 2.2 DCI 16C <b>Eng. G9T.7/A6D7/E7</b>									
2000		Master 2.2 DCI 16V <b>Eng. G9T.C7/F7</b> 2187 cc.									
2002	6	Espace 3.0 DCI 24V	87	7701472669	IN	<b>R6237/S</b>	30.7	6	123.1	I	45°
2002		Vel Satis 3.0 DCI 24V <b>Eng. P9X.A7</b> 2958 cc.					29.5	6	122.9	I	45°
2003	4	Trafic 2.5 DTI 16V <b>Eng. G9U.B7</b>	89	7701472669 7701472670	IN EX	<b>R6237/S</b> <b>R6238/BM</b>	30.7	6	123.1	I	45°
2001		Master 2.5 DTI 16V <b>Eng. G9U.A7</b> 2463 cc.					29.5	6	122.9	I	45°
1981	4	Master R/Q <b>Eng. 8140</b> 2445 cc.	93	7701462677 7701462679	IN EX	<b>R4504/BMNT</b> <b>R3597/BMNT</b>	40.9	8	121.9	EE	30°
		<b>Up to Eng. n. 162067</b> 2445 cc.					32.9	8	122	EE	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11523</b>	IN/EX	42.4	6	11.06	B	C.I
7701462486	<b>G3251 G3252</b>	IN/EX	49	8.01	13.06 13.10	B	C.I.
	<b>G11354 G11355</b>	IN EX	42 49	7 7	12.04 12.04	B B	C.I. C.I.
8200562080	<b>G11356</b>	IN/EX	50	6	11.05	B	C.I.
8200562080	<b>G11356</b>	IN/EX	50	6	11.05	B	C.I.
8200562080	<b>G11356</b>	IN/EX	50	6	11.05	B	C.I.
	<b>G2713 G2834 G2269 G2270</b>	IN EX	56 60	8.03 8.03	13.03 13.08 13.03 13.08	G G	C.I. L





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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7701062312 7701062311	<b>PI 06-0019 RA06-940</b>	I
7946006610	<b>RA06-929</b>	
7700858606 77008586805	<b>PI 06-0023 RA06-918</b>	I
	<b>PI 06-0038 RA06-930</b>	I
	<b>PI 06-0038 RA06-930</b>	I
	<b>PI 03-101</b>	M


**NOTE  
remarks**
**RENAULT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1981	4	Master R/Q <b>Eng. 8140</b> From Eng. n. 162068 Up to Eng. n. 152000 Trafic <b>Eng. SU8</b> Up to Eng. n. 452000 2445 cc.	93	7701462678 7701462679	IN EX	<b>R3642/BMNT</b> <b>R3597/BMNT</b>	41 32.9	8 8	120.9 122	EE EE	30° 45°
1981	4	Master R/Q <b>Eng. 8140</b> Trafic <b>Eng. SU8</b> From Eng. n. 452001 2445 cc.	93	7701463603 7701462679	IN EX	<b>R3989/RNT</b> <b>R3597/BMNT</b>	41 32.9	8 8	120.7 122	EE EE	30° 45°
1992/93	4	Safrane 2.5 TD <b>Eng. 8144.97</b> Up to Eng. n. 1619921 2499 cc.	93	7701463603 7701203675	IN EX	<b>R3989/RNT</b> <b>R3991/RCR</b>	41 34.5	8 8	120.7 122	EE EE	30° 45°
1993	4	Safrane 2.5 TD <b>Eng. 8144.97-S9U</b> From Eng. n. 1619922 2499 cc.	93	7701467250 7701467249	IN EX	<b>R4714/BMCR</b> <b>R4715/BMCR</b>	40.8 36.7	8 8	120.7 122	EE EE	30° 45°
1996 1999	4	Master 2.8 TD <b>Eng. S9W.700</b> Mascott 2.8 TD Intercooler <b>Eng. 8140.43B-C-S-N</b> 2798 cc.	94.4	7301820 99432837	IN EX	<b>R3989/RNT</b> <b>R4887/BMCR</b>	41 36	8 8	120.7 122	EE EE	30° 45°
2004 2003	4	Mascott 3.0 DCI 16V Master 3.0 DCI 16V <b>Eng. ZD3.A600/A604</b> 2953 cc.	96	7701475382 7701475381	IN EX	<b>R6282/SCR</b> <b>R6283/RCR</b>	32 30	7 7	113.4 113.4	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G2713</b> <b>G2834</b> <b>G2269</b> <b>G2270</b>	IN  EX	56  60	8.03  8.03	13.03 13.08 13.03 13.08	G  G	C.I.  L
	<b>G2713</b> <b>G2834</b> <b>G2269</b> <b>G2270</b>	IN  EX	56  60	8.03  8.03	13.03 13.08 13.03 13.08	G  G	C.I.  L
	<b>G2713</b> <b>G2834</b> <b>G2269</b> <b>G2270</b>	IN  EX	56  60	8.03  8.03	13.03 13.08 13.03 13.08	G  G	C.I.  L
	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
	<b>G11346</b> <b>G11347</b>	IN/EX	45	7	11.04 11.09	G	L-X-U

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 03-101</b>	M
	<b>PI 03-101</b>	M
	<b>PI 03-101</b>	M
	<b>PI 03-101</b>	M
	<b>PI 03-101</b>	M


**NOTE  
remarks**
**RENAULT DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
<b>RENAULT VI = R.V.I.</b>											
1986	4	B 90 <b>Eng. 8140.21</b> 2445 cc.	93	7301820 4826033	IN EX	<b>R3989/RNT</b> <b>R3990/RCR</b>	41 34.5	8 8	120.7 122	EE EE	30° 45°
	4	Mascott 110.50/60 Mascott 130.55/65 <b>Eng. 8140.43</b> 2798 cc.	94.4	7701030863 5001836573	IN EX	<b>R4762/BMCR</b> <b>R4887/BMCR</b>	43.5 36	8 8	122 122	EE EE	45° 45°
1968	4	Super Galion Suprer Goèlette <b>Eng. 712</b> 3317 cc.	98	5000044579 5000044429 5000044581	IN EX	<b>R4064/RCR</b> <b>R4065/RCR</b>	46 39	10 10	140.2 140.3	E E	45° 45°
1972		SG 5/5C <b>Eng. 720</b> 3593 cc.	102								
2011	4	Maxity 2.5 Dci 16V <b>Eng.Dxi 2.5</b> 2490 cc.	100	13201-1AT0A 13202-1AT0A	IN EX	<b>R6739/RNT</b> <b>R6740/RNT</b>	28.5 25.86	6 6	106 105.5	S S	45° 45°
1981	6	<b>Eng. 798 Turbo</b> <b>Eng. MIDR 602.12</b> Turbo 5496 cc.	102	5000676255 5000676254	IN EX	<b>R4373/BMCR</b> <b>R4374/BMCR</b>	45.8 38.9	10 10	140.2 140.2	E E	30° 45°
1989	6	<b>Eng. MIDR 602.26 Turbo</b> 6180 cc.	102	5000667762 50006676258	IN EX	<b>R4710/BMCR</b> <b>R4711/BMCR</b>	46.6 40.6	10 10	140.2 140.2	E E	30° 45°
1999	4	Midlum 135 <b>Eng. MIDR 04.02.26.A4</b> 4118 cc.	102	5000676035 5010450589 5000667939	IN EX	<b>R6292/BMCR</b> <b>R6293/BMCR</b>	46.6 40.6	10 10	140.1 140.2	E E	30° 45°
	6	Midlum 150 <b>Eng. MIDR 04.02.26.B4</b> 4118 cc. Premium 250 <b>Eng. MIDR 06.02.26.Y41</b> 6177 cc. Premium 210 <b>Eng. MIDR 06.02.26.W4</b> 6177 cc.		5010450590							



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4749395 4749397	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
	<b>G2713</b> <b>G2834</b>	IN/EX	56	8.03	13.03 13.08	G	C.I.
	<b>G11350</b> <b>G11351</b> <b>G11348</b> <b>G11349</b>	IN EX	59.8 44.2	6 6	10.04 10.09 10.04 10.09	G G	L-X L-X
5000684383 5000684384	<b>G11359</b> <b>G11360</b>	IN EX	78 67	10.02 10.02	16.02 16.02	G G	C.I. C.I.
5000684383 5000684384	<b>G11359</b> <b>G11360</b>	IN EX	78 67	10.02 10.02	16.02 16.02	G G	C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
4733350	<b>PI 03-101</b>	M
	<b>PI 03-101</b>	M


**NOTE  
remarks**
**RENAULT VI**

## VALVOLE ENGINE VALVES






ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1957/77	4	<b>Eng. M 420</b> 6328 cc.	120	322894 151631								
1962/76	5	<b>Eng. M 520</b> 7917 cc.		5000143582 322827	IN EX	<b>R3789/S</b> <b>R3790/BMCR</b>	54.5 50.5	12 12	189.5 189.5	E E	45° 45°	
	6	<b>Eng.M. 620</b> 9500 cc. Spessore testa maggiorato 1 mm.		151633 5000139451 322895 151632	IN	<b>R4133/S</b>	54.5	12	189.5	E	45°	
				5000143583 322828 151634 5000139452	EX	<b>R4041/BMCR</b>	50.5	12	189.5	E	45°	
	1975	6	<b>Eng. MID 620.30</b> 8820 cc.  Spessore testa maggiorato 1 mm.	120	153694 153692 5000663469 771090 771092 5000663470	IN EX IN EX	<b>R3793/SCR</b> <b>R3794/BMCR</b> <b>R4042/SCR</b> <b>R4043/BMCR</b>	54 48 54 48	9 9 9 9	163 163 163 163	E E E E	45° 45° 45° 45°
1977	6	<b>Eng. MIDS 620.30 Turbo</b> 8820 cc.	120	771523 5000663467	IN	<b>R3979/BMCR</b>	54	9	163	E	30°	
1983		<b>Eng. MIDR 620.45 Turbo</b> 9839 cc.  Spessore testa maggiorato 1 mm.		5000681141 5010295349 5000670121 5000670206	EX	<b>R3794/BMCR</b>	48	9	163	E	45°	
				5000663527 5000658409	IN	<b>R4235/BMCR</b>	54	9	163	E	30°	
				5000663530 771092 5000663470 5000663528	EX	<b>R4043/BMCR</b>	48	9	163	E	45°	
1996	6	Premium 300 <b>Eng. MIDR 06.20.45.D41</b> Premium 260 <b>Eng. MIDR 06.20.45.C4</b> 9839 cc.	120	5000681141 5000670206	IN EX	<b>R3979/BMCR</b> <b>R3794/BMCR</b>	54 48	9 9	163 163	E E	30° 45°	
1996	6	Premium 385 <b>Eng. MIDR 06.23.56.A41</b> 11121 cc. Premium 400 <b>Eng. MIDR 06.23.56.B41</b> 11121 cc.	123									
1974	6	<b>Eng. D 2356 HM 6DK</b> 10350 cc.	123	5000046569 5000046570	IN EX	<b>R4582/BMCR</b> <b>R4583/BMCR</b>	56.9 51.9	12 12	148.9 148.5	E E	45° 45°	
				7420540017 7420540013 7421427620 7420564020 7421430918	IN EX	<b>R6932/BMARCR</b> <b>R6933/BMARCR</b>	40 38	8 8	192 192	I I	30° 30°	



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
2010	6	Premium Kerak <b>Eng. Dxi 11</b> 10800 cc.	123	7420540013	IN	<b>R6932/BMARCR</b>	40	8	192	I	30°
				7420540017			EX	<b>R6393/BMARCR</b>	38	8	192.7
1970/72	8	<b>Eng. 125.30</b> V825 - V835 -  Spessore testa maggiorato 1 mm.	125	158601	IN	<b>R3980/BMCR</b>	45	9	153	E	45°
				323571	EX	<b>R3981/RCR</b>	39	9	153	E	45°
				323644			45	9	153	E	45°
				5000659734	IN	<b>R4140/BMCR</b>	39	9	153	E	45°
2004	6	Magnum Dxi 12 <b>Eng. 12.440/480</b> 12130 cc.	131	7420459326	IN	<b>R6378/SCR</b>	40	8	192	EE	30°
				7420441945	EX	<b>R6379/BMCR</b>	40	8	191.7	EE	45°
2006	6	Magnum Dxi 13 <b>Eng. 13.440/460/480</b> <b>Eng. 13.500/520</b> 12800 cc.	131		IN	<b>R6587/BMCR</b>	42	8	192	I	35°
					EX	<b>R6588/BMCR</b>	40	8	191.6	I	50°
1964/73	6	<b>Eng. MID 634.40</b> 12024 cc.	135	323107	IN	<b>R3978/BMCR</b>	60	12	189	E	45°
				5000659016	EX	<b>R3788/BMCR</b>	54	12	189	E	45°
				5000146780							
				323109							
5000659407											
5000659741											
1980/87 1983/87 1980/87	6	<b>Eng. MDR 635.40 Turbo</b> <b>Eng. MIDR 635.40 Turbo</b> <b>Eng. MIDS 635.40 Turbo</b> 12024 cc.	135	5000659584	IN	<b>R3787/BMCR</b>	60	12	189	E	30°
				5000659739	EX	<b>R3788/BMCR</b>	54	12	189	E	45°
				5000659284							
				5000659741							
5000659407											
1978	V8	<b>Eng. MIVR 835.30 Turbo</b> 14886 cc.	135	5000659737	IN	<b>R3982/RCR</b>	48	9	153	E	30°
				5000659626	EX	<b>R3981/RCR</b>	39	9	153	E	45°
				323644							
				5000659734							
5000659732											
	8	Magnum Mack Engine AE 500 - 520	136.5	50000824990	IN	<b>R6199/BMARCR</b>	45	9.4	173.9	M	20°
				50000824991	EX	<b>R6200/BMCR</b>	42	9.4	173	M	30°





## ROVER

1967	4	Mini			IN	<b>R3774/S</b>	28	7.1	87	EE	45°
					EX	<b>R3780/R</b>	27	7.1	87	EE	45°
1983	4	Austin Metro 1300 Maestro 1300 M.G. Metro 1300 Montego 1300 1275 cc.	70.612	TAM1059	IN	<b>R4420/S</b>	35.7	7.1	90.7	I	45°
				TAM1061	EX	<b>R4421/RCR</b>	29.3	7.1	90.7	I	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1984	4	213 S - SE <b>Eng. Honda EV 3 Valve</b> 1342 cc.	74	DBP9319 DPB9320	IN EX	<b>R4522/SNT</b> <b>R4523/RNT</b>	27 32	6.6 6.6	112.8 113.8	E E	45° 45°
1990/98 1998/00	4	111 1.1 i 211 1.1 i <b>Eng. 11K</b> 1113 cc.	75	WAM4002 WAM4003	IN EX	<b>R4840/SNT</b> <b>R4841/RARNT</b>	33.5 31.2	7 7	90.5 91	EE EE	45° 45°
1995 1992/93	4	114 1.4 i 214 1.4 i <b>Eng. 14K2</b> 1396 cc.	75	WAM4002 WAM4003	IN EX	<b>R4840/SNT</b> <b>R4841/RARNT</b>	33.5 31.2	7 7	90.5 91	EE EE	45° 45°
1999 1999 1989 1990 1990	4	75 1.4 i 16V 45 1.4 i 16V 214 1.4 i 16V <b>Eng. 14K4F/M-14K16</b> 114 1.4 i 16V 414 1.4 i 16V <b>Eng. 14K4C/D/F</b> 1396 cc.	75	LGH10029 LGH100820	IN EX	<b>R4816/SNT</b> <b>R4817/RARNT</b>	27.7 24	6 6	89.6 90	S S	45° 45°
1990	4	216 GSi - GTI 16V 416 GSi - GTI 16V <b>Eng. D16A7</b> 1590 cc.	75	FDU1485 FDU1487	IN EX	<b>R4844/SNT</b> <b>R4845/RNT</b>	29 25	5.5 5.5	115 118.8	E E	45° 45°
2003 2004	4	Streetwise 1.4 i 16V Cityrover 1.4 i 16V <b>Eng. 14K4M - 14K4FM</b>	75	LGH10029 LGH100820	IN EX	<b>R4816/SNT</b> <b>R4817/RARNT</b>	27.7 24	6 6	89.6 90	S S	45° 45°
2000 1995/99 1995/99 1995 1995	4	25 1.6 i 16V 45 1.6 i 16V 216 1.6 i 16V 416 1.6 i 16V <b>Eng. 16K4-K16</b> 216 1.6 i 16V 416 1.6 i 16V <b>From eng. N. 100001</b> 1588 cc.	80	LGH101310 LGH101330	IN EX	<b>R6115/SNT</b> <b>R6116/RNT</b>	30 26	5.5 5.5	118.6 116	E E	45° 45°
2000	4	218 1.8 i 16V 418 1.8 i 16V 25 1.8 i 16V <b>Eng. 18K4K</b> 1796 cc.	80	LGH10064 LGH10065 LGH101360	IN EX	<b>R6117/SNT</b> <b>R6118/RNT</b>	31.6 27.4	6 6	89.6 90	S S	45° 45°
2000 1999	4	25 1.8 i 16V 45 1.8 i 16V 75 1.8 i 16V <b>Eng. 18K4F</b> 1796 cc.	80	LGH10029 LGH10065 LGH101360	IN EX	<b>R4816/SNT</b> <b>R6118/RNT</b>	27.7 27.4	6 6	89.6 90	S S	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
DBP 9272	<b>G3261</b>	IN	50	6.57	12.09	G	L-X
DBP 9273	<b>G3262</b>	EX	56	6.57	12.09	G	L-X
WAM 4227	<b>G11170</b> <b>G11171</b>	IN/EX	32	7.01	12.05 12.10	G	L
WAM 4227	<b>G11170</b> <b>G11171</b>	IN/EX	32	7.01	12.05 12.10	G	L
WAM 1452	<b>G3483</b>	IN/EX	30	5.99	9.85	G	L
FDU 1256	<b>G3571</b> <b>G11092</b>	IN	47.5	5.50	11.06 11.11	G	L
FDU 1260	<b>G3572</b> <b>G11093</b>	EX	54	5.50	11.06 11.11	G	L
WAM 1452	<b>G3483</b>	IN/EX	30	5.99	9.85	G	L
FDU 1256	<b>G3571</b> <b>G11092</b>	IN	47.5	5.50	11.06 11.11	G	L
FDU 1260	<b>G3572</b> <b>G11093</b>	EX	54	5.50	11.06 11.11	G	L
LGJ10033	<b>G11168</b> <b>G11169</b>	IN	30	6	10.13 10.18	G	L
LGJ10034	<b>G11166</b> <b>G11167</b>	EX	30	6	9.88 9.93	G	L
LGJ10034	<b>G11166</b> <b>G11167</b>	IN/EX	30	6	9.88 9.93	G	L





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
LGR100100	<b>PI06-0005</b>	I
LGR100100	<b>PI06-0005</b>	I
LGR100100	<b>PI06-0005</b>	I
LGR100100	<b>PI06-0005</b>	I
LGR100100	<b>PI06-0005</b>	I
LGR100100	<b>PI06-0005</b>	I
LGR100100	<b>PI06-0005</b>	I
LGR100100	<b>PI06-0005</b>	I


**NOTE  
remarks**
**ROVER**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1999	V6	45 2.0 i V6 24V 75 2.0 i V6 24V <b>Eng. 20K4F</b> 1997 cc.	80	LGH10064 LGH10065	IN EX	<b>R6117/SNT</b> <b>R6118/RNT</b>	31.6 27.4	6 6	89.6 90	S S	45° 45°
1999	V6	75 2.5 V6 825 2.5 i V6 24V <b>Eng. 25K4F</b> 2497 Cc.									
1978/82 1978/84 1982	4	Princess 1700 Sherpa 200 - 230 - 250 Ambassador 1700 1695 cc.	84442	UAM7713 CAM1235 CAM7488 CAM1236 UAM2063	IN EX	<b>R4416/S</b> <b>R4417/RCR</b>	40 34.1	7.4 7.4	97.3 97.3	EE EE	45° 45°
1978/82		Princess 2000 1993 cc.									
1979/80		Sherpa 200 - 230 - 250 Sherpa 255 - 280 - 285 Sherpa 310 - 350									
1980/82		Sherpa 200 - 230 - 250 Sherpa 255 - 280 - 285 Sherpa 310 - 350									
1984		Maestro 2000 Montego 2000 1993 cc.									
1985	4	M.G. Montego - Turbo 1993 cc.	84.442	UAM7713 UAM2372	IN EX	<b>R4416/S</b> <b>R4418/RCR</b>	40 34.1	7.4 7.4	97.3 98.1	EE I	45° 45°
1996	4	420 2.0 i 16V VVC <b>Eng. 20T4H</b>	84.5	LGH10020 LGH101060	IN	<b>R4846/SCR</b>	31.8	7	110.8	EE	45°
1992/99		820 2.0 i 16V Turbo <b>Eng. T16.4</b> 1996 cc.		LGH10049 LGH101140 LGH101000	EX	<b>R4847/RARCR</b>	29.3	7.1	110.8	EE	45°
1993	4	620 2.0 i 16V <b>Eng. F20ZI/Z2</b> 1997 cc.	85								

## ROVER DIESEL

1992/94	4	115 Metro 1.5 D <b>Eng. TUD5</b> 1527 cc.	75		IN EX	<b>R4412/S</b> <b>R4413/RCR</b>	35.5 30.6	7 7	108.4 108.2	E E	45° 45°
1994/98	4	115 Metro 1.5 D <b>Eng. TUD5</b> 1527cc.	77		IN EX	<b>R4821/S</b> <b>R4822/RCR</b>	37 31.5	7 7	108.4 108.1	E E	45° 45°
1991	4	Rover 218 - 418 SLD <b>Eng. XUDT TE Turbo</b> 1769 cc.	80	LGH10051 LGH10052	IN EX	<b>R4883/RCR</b> <b>R3988/RCR</b>	38 33	8 8	112.4 112	E E	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
LGJ10033	<b>G11168</b>	IN	30	6	10.13	G	L
	<b>G11169</b>				10.18		
LGJ10034	<b>G11166</b>	EX	30	6	9.88	G	L
	<b>G11167</b>				9.93		
CAM 5821	<b>G3138</b>	IN/EX	39	7.46	12.06	G	L
	<b>G3322</b>				12.11		
LGJ100540	<b>G11172</b>	IN	46.8	7.14	12.10	G	L
LGJ100550	<b>G11173</b>	EX	51.2	7.14	12.10	G	L-U
12204-PJ7-305	<b>G3571</b>	IN	47.5	5.50	11.06	G	L
	<b>G11092</b>				11.11		
12205-PJ7-305	<b>G3572</b>	EX	54	5.50	11.06	G	L
	<b>G11093</b>				11.11		
	<b>G3332</b>	IN	40.2	7	13.07	B	C.I.
	<b>G3336</b>	EX	43	7	13.07	B	C.I.
	<b>G3555</b>	IN	40.2	7	13.07	B	C.I.
	<b>G3557</b>				13.12		
	<b>G3556</b>	EX	43	7	13.07	B	C.I.
	<b>G3558</b>				13.12		
	<b>G3528</b>	IN/EX	48	8.02	14.05	B	C.I.
	<b>G11025</b>				14.10		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
LGR100100	<b>PI06-0005</b>	I
	<b>PI 03-105</b>	M
	<b>PI 03-105</b>	M






 NOTE  
remarks

ROVER

ROVER DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1991	4	Rover 218-418 <b>Eng. XUD9 A</b> 1905 cc.	83	LGH10053 LGH10054	IN EX	<b>R4243/SCR</b> <b>R3988/RCR</b>	38 33	8 8	112.4 112	E E	45° 45°
1986/92	4	Maestro Clubman DLX Maestro Van 800 D <b>Eng. Prima 65</b> Montego 2.0 DL/DSL 800 TD <b>Eng. Prima 80T- Turbo</b> 1994 cc.	84.4	BDU1399 BDU1400	IN EX	<b>R4926/SNT</b> <b>R4927/RNT</b>	37.2 33.6	7.42 7.40	93.8 93.8	EE EE	45° 45°
2000  1996  2004	4	25 2.0 TDI 16V 45 2.0 TDI 16V 220 2.0 TDI 16V 420 2.0 TDI 16V 620 2.0 TDI 16V Stretwise 2.0 TDI <b>Eng. 20T2N</b> 1994 cc.	84.5	LGH100990 LGH100980	IN EX	<b>R6119/SNT</b> <b>R6120/RNT</b>	37.2 32.5	7 7	86.7 86.7	EE EE	45° 45°
1999	4	75 2.0 CDTI 16V <b>Eng. M47R-204D2/D4</b> 1951 cc.	84.5	LGH101450	IN/EX	<b>R6088/BMCR</b>	26	6	100	I	45°
1983/84	4	Sherpa 285 - 310 - 350 <b>Eng. 2.5I</b> 2520 cc.	90.745	527240 550198	IN EX	<b>R3053/S</b> <b>R3054/XB</b>	39.5 33.5	7.9 8.7	116.5 117	EE EE	45° 45°
1984	4	Sherpa 285 - 310 - 350 <b>Eng. 2.5I</b> 2520 cc.	90475	ERC9739 ERC9738	IN EX	<b>R4281/SCR</b> <b>R4282/RCR</b>	39.3 33.5	8 8.7	116.7 117	I I	45° 45°
1990	4	825D - SD - SDL <b>Eng. VM84A-Turbo</b> 2498 cc.	92	AEU2296L LGH10041	IN EX	<b>R3598/RCR</b> <b>R3599/RCR</b>	40 33.9	8 8	121 121	E E	35° 45°

## RUGGERINI

	1	Motore RD 80		960/022 960/023	IN/D EX	<b>MI5106/NCR</b> <b>MI5107/R</b>	30.5 30.5	9 9	105 105	E E	45° 45°
	1	Motore RD 85		960/16 960/15	IN/D EX	<b>MI5116/NCR</b> <b>MI5117/R</b>	35 35	9 9	105 105	E E	45° 45°
	1	Motore PD 90		960/19 960/15	IN/D EX	<b>MI5118/NCR</b> <b>MI5117/R</b>	37 35	9 9	105 105	E E	45° 45°
	1	Motore CRD 95		960/13 960/18	IN/D EX	<b>MI5119/NCR</b> <b>MI5120/R</b>	37.8 37.8	9 9	119 119	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3528</b> <b>G11025</b>	IN/EX	48	8.02	14.05 14.10	B	C.I.
CAM 5821	<b>G3138</b> <b>G3322</b>	IN/EX	39	7.46	12.06 12.11	G	L
LG5100510	<b>G11329</b>	IN/EX	28.5	6.95	12.07	G	L
	<b>G11313</b> <b>G11314</b>	IN/EX	39	6	11.54 11.59	B	L
605482-568688	<b>G2585</b>	IN	46.5	7.94	13.55	G	F
605483-568689	<b>G2586</b>	EX	57	8.72	14.35	G	F
605482-568688	<b>G2585</b>	IN	46.5	7.94	13.55	G	F
605483-568689	<b>G2586</b>	EX	57	8.72	14.35	G	F
60507152	<b>G11177</b> <b>G11178</b>	IN/EX	55	8	14.05 14.09	G	L
464 - 04	<b>G2591</b> <b>G2592</b>	IN	45	9.04	15.03 15.08	G	L
464 - 07	<b>G2593</b> <b>G2594</b>	EX	45	9.06	15.03 15.08	G	L
464 - 04	<b>G2591</b> <b>G2592</b>	IN	45	9.04	15.03 15.08	G	L
464 - 07	<b>G2593</b> <b>G2594</b>	EX	45	9.06	15.03 15.08	G	L
464 - 04	<b>G2591</b>	IN	45	9.04	15.03	G	L
464 - 07	<b>G2593</b>	EX	45	9.06	15.03	G	L
464 - 05	<b>G2587</b> <b>G2588</b>	IN	55	9.04	15.03 15.08	G	L
464 - 08	<b>G2589</b> <b>G2590</b>	EX	55	9.06	15.03 15.08	G	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
LGR100480L LXC000010 LXC100090 STC4532	<b>PI 06-0019</b> <b>RA06-942</b>	I






 NOTE  
remarks

ROVER DIESEL

RUGGERINI

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
	1	Motore RD 100		960/17	IN/D	<b>MI5121/NCR</b>	41	9	119	E	45°
				960/18	EX	<b>MI5120/R</b>	37.8	9	119	E	45°
	3	MD 300 - MD 350		960/58	IN	<b>MI5156/S</b>	37.5	7	84.5	E	45°
				960/59	EX	<b>MI5157/RNT</b>	33	7	84.5	E	45°
	1/2	MD 75 - 85 - 95 MD 150		960/53	IN	<b>MI5158/S</b>	35	7	84.5	E	45°
				960/54	EX	<b>MI5159/RNT</b>	31	7	84.5	E	45°
	1	RF 91 - 120 - 140		960/56	IN	<b>MI5160/S</b>	39	7	95	E	45°
				960/55	EX	<b>MI5161/RNT</b>	36	7	95	E	45°
	1/2	RF 80 - 90 RD 180		960/49	IN	<b>MI5162/S</b>	33	7	95	E	45°
				960/50	EX	<b>MI5163/RNT</b>	30	7	95	E	45°
	2	RD 220 - 240 - 270		960/57	IN/EX	<b>MI5164/RNT</b>	37	7	105	E	45°

## SAAB

2004	4	9-3 1.8 i 16V <b>Eng. Z18XE</b> 1796 cc.	80.5		IN EX	<b>R6051/SCR</b> <b>R6052/BMARCR</b>	31.2	5	101.3	I	45°
							27.5	5	100.7	I	45°
1993	V6	900 2.5 i V6 24V <b>Eng. B258</b> 2498 cc.	81.6	4500849 4500864	IN EX	<b>R4649/SCR</b> <b>R4650/BMCR</b>	32	6	102.1	I	45°
							29	6	92.2	I	45°
09/02	4	9.3 Sport Sedan 2.0 T <b>Eng. B207R</b> 1998 cc.	86	12786696 12791961	IN EX	<b>R6310/SCR</b> <b>R6311/BMCR</b>	35.1	6	102.2	I	45°
							30.1	6	101	I	45°
1998 1994	V6	9-5 3.0 i V6 24V 9000 3.0 i V6 24V <b>Eng. B308i</b> 2961 CC.	86	4500849 4500864	IN EX	<b>R4649/SCR</b> <b>R4650/BMCR</b>	32	6	102.1	I	45°
							29	6	92.2	I	45°
1984/88	4	900 16 Turbo 9000 Turbo 9000 i 900 16i S - XS - SE Turbo <b>Eng. B202 Si</b> 1985 cc.	90	7562002 7500085 9165598	IN EX	<b>R4910/SCR</b> <b>R4911/RARCR</b>	32	7	108.3	I	45°
							29	7	108.3	I	45°
1992 1993	4	9000 2.0 i Turbo 16V <b>Eng. B204</b>	90	9165580 9165598 7500085	IN EX	<b>R6286/SCR</b> <b>R4911/RARCR</b>	33	7	107.8	I	45°
							29	7	108.3	I	45°
1998 1993 1998		900 2.0 i 16V 9-3 2.0 i <b>Eng. B204i-B206i</b>									
1989 1993 1998	4	9000 2.3 i 16V 900 2.3 i 16V 9-3 2.3 i 16V <b>Eng. B234i</b> 2290 cc.	90	9165580 9165598 7500085	IN EX	<b>R6286/SCR</b> <b>R4911/RARCR</b>	33	7	107.8	I	45°
							29	7	108.3	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
464-56	<b>G11357</b>	IN/EX	39	7	13.05	G	C.I.
464-56	<b>G11357</b>	IN/EX	39	7	13.05	G	C.I.
464-53	<b>G11358</b>	IN/EX	45	7	13.05	G	L
9158569	<b>G13598</b> <b>G11156</b> <b>GS13598</b>	IN/EX	39	5	10.05 10.10	G	C.I.
	<b>G3511</b> <b>G11150</b> <b>G11151</b>	INEX	45	6	10.05 10.10 10.15	G	C.I.
	<b>G11379</b> <b>G11380</b> <b>GS11379</b>	IN/EX	36	6	10.04 10.09	G	L
	<b>G3511</b> <b>G11150</b> <b>G11151</b> <b>GS3511</b>	INEX	45	6	10.05 10.10 10.15	G	C.I.
7560154	<b>G3486</b> <b>G3487</b>	IN/EX	49.5	7	12.05 12.10	G	C.I.
9185612	<b>G11274</b>	IN/EX	43	7	12.05	G	C.I.
7560154	<b>G3486</b> <b>G3487</b>	IN/EX	49.5	7	12.05 12.10	G	C.I.
9185612	<b>G11274</b>	IN/EX	43	7	12.05	G	C.I.
7560154	<b>G3486</b> <b>G3487</b>	IN/EX	49.5	7	12.05 12.10	G	C.I.



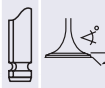
**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
640003	<b>PI 06-0010</b>	I
640003	<b>PI 06-0010</b>	I
640003	<b>PI 06-0010</b>	I
9169566 9186073 9189566	<b>PI 06-0021</b>	I
9169566 9186073 9189566	<b>PI 06-0021</b>	I
9169566 9186073 9189566	<b>PI 06-0021</b>	I


**NOTE  
remarks**
**RUGGERINI**
**SAAB**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	9-5 <b>Eng. B205E</b> 1985 cc.	90	9185851 9399965	IN EX	<b>R6288/SCR</b> <b>R6289/RARNT</b>	33 29	5 5	107.5 108	I I	45° 45°
1998		9-5 2.3 <b>Eng. B235R - B253L</b> 2290 cc.									

## SAAB DIESEL

2003	4	9-3 1.9 TiD <b>Eng. Z19DT</b> 1910 cc. (120CV)	82	641083 641089	IN EX	<b>R4941/BMCR</b> <b>R4943/BMCR</b>	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
2004	4	9-3 1.9 TiD 16V <b>Eng. Z19DT/DTH</b> 1910 cc.	82		IN EX	<b>R6203/SCR</b> <b>R6204/BMCR</b>	28 26	6 6	114.4 114.4	I I	45° 45°
2006	4	9-5 1.9 TiD 16V <b>Eng. Z19DHT</b> 1910 cc.	82	82	IN EX	<b>R6203/SCR</b> <b>R6204/BMCR</b>	28 26	6 6	114.4 114.4	I I	45° 45°
1998	4	9-3 2.2 TDI 16V <b>Eng. D223L (X22TDH)</b> 2172 cc.	84	4772380 4772414	IN EX	<b>R4884/BMCR</b> <b>R4885/BMARCR</b>	29 26	6 6	97.1 97	I I	45° 45°
2001	V6	9-5 3.0TiD V6 24V <b>Eng. Y30DT</b> 2958 cc.	87.5		IN EX	<b>R6318/RNT</b> <b>R6319/RARNT</b>	27.5 26.5	6 6	98.5 98.10	S S	45° 45°

## SAME TRACTORS

		952V - 954V		29219 29220	IN EX	<b>MI3094/S</b> <b>MI3095/XB</b>	37 37	9 9	125 125	E E	45° 45°
		ARITE DA1152 1153		29136 29137	IN EX	<b>MI3347/S</b> <b>MI3348/XB</b>	44 44	10 10	123 123	E E	45° 45°
		MINITAURO		029.1420.0 029.1421.0	IN EX	<b>MI3271/S</b> <b>MI3272/XB</b>	39.5 37	9 9	133 133	E E	45° 45°
		SAMETTO - ITALIA ATLANTA 45 - BUFALO CENTAURO		00292190.31 0029219011 002414210	IN IN EX	<b>MI3285/SNT</b> <b>MI3487/SNT</b> <b>MI3286/XBNT</b>	39.5 37.5 37.5	9 9 9	125 125 125	E E E	45° 45° 45°
		ARIETE		01614200 01614210	IN EX	<b>MI3287/SNT</b> <b>MI3288/BMNT</b>	48 44	10 10	135 135	E E	45° 45°
		DRAGO 100 MINITAURO 60 SATURNO 80		071.1420.2/01 071.1421.2	IN EX	<b>MI3784/BMCR</b> <b>MI4029/BMCR</b>	42 37	8 8	147.8 147.8	E E	45° 45°
		LASER 90 LEOPARD 90		062.1420.2/10 071.1420.2/01	IN EX	<b>MI3783/BMCR</b> <b>MI3784/BMCR</b>	44.4 42	8 8	147.8 147.8	E E	30° 45°
		TRIDENT 130		062.1420.0/12 071.1420.2/01	IN EX	<b>MI3968/BMCR</b> <b>MI3784/BMCR</b>	44 42	8 8	147.8 147.8	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
9399957	<b>G11209</b>	IN/EX	42.8	5	12.05	G	C.I.
7565472 46433782 46433783	<b>G11000</b> <b>G11018</b> <b>G11019</b> <b>GS11000</b>	IN/EX	43	8.02	14.03 14.06 14.11	G	C.I.
55186786	<b>G11302</b> <b>G11303</b> <b>GS11302</b>	IN/EX	47	6.02	11.03 11.06	G	C.I.
55186786	<b>G11302</b> <b>G11303</b> <b>GS11302</b>	IN/EX	47	6.02	11.03 11.06	SM	C.I.
55186786	<b>G11302</b> <b>G11303</b> <b>GS11302</b>	IN/EX	47	6.02	11.03 11.06	G	C.I.
55186786	<b>G11302</b> <b>G11303</b> <b>GS11302</b>	IN/EX	47	6.02	11.03 11.06	SM	C.I.
	<b>G3511</b> <b>G11150</b> <b>G11151</b>	IN/EX	45	6	10.05 10.10 10.15	G	C.I.
642060	<b>G11503</b>	IN/EX	42	6	11.05	G	L-X
24222B	<b>G2609</b>	IN	66	9.05	16.04	G	F
24223A	<b>G2610</b>	EX	75	9.05	16.04	G	F
0004358	<b>G2615</b>	IN	56	10.05	16.05	G	F
014111470-10	<b>G2616</b>	EX	49	10.05	16.05	G	F
0291416	<b>G2611</b>	IN	73	9.05	16.05	G	F
0291417	<b>G2612</b>	EX	68	9.05	16.05	G	F
02414160	<b>G2613</b>	IN	67	9.05	16.05	G	F
00341730	<b>G2614</b>	EX	48	9.05	16.05	G	F
0004358	<b>G2615</b>	IN	56	10.05	16.05	G	F
014111470-10	<b>G2616</b>	EX	49	10.05	16.05	G	F
06214160	<b>G3490</b>	IN	79	8.05	16.05	G	F
06214170	<b>G3492</b>	EX	79	8.05	16.05	G	F
06214160	<b>G3490</b>	IN	79	8.05	16.05	G	F
06214170	<b>G3492</b>	EX	79	8.05	16.05	G	F
06214160	<b>G3490</b>	IN	79	8.05	16.05	G	F
06214170	<b>G3492</b>	EX	79	8.05	16.05	G	F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
9169566 9186073 9189566	<b>PI 06-0021</b>	I
4152447	<b>PI 03-102</b>	M
46475925 46764765 55200333	<b>PI 06-0019</b> <b>RA06-903</b> <b>RA06-901</b>	I
46475925 46764765 55200333	<b>PI 06-0019</b> <b>RA06-903</b> <b>RA06-901</b>	I
	<b>PI 06-0010*</b>	I


**NOTE**  
remarks

<b>SAAB</b>
<b>SAAB DIESEL</b>
<b>RA06-903</b> 55X17R17X10 <b>RA06-901</b> 57X17R17X10
<b>RA06-903</b> 55X17R17X10 <b>RA06-901</b> 57X17R17X10
<b>* PI 06-0010</b> until year 2003
<b>SAME TRACTORS</b>

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
		CENTURION 75 DRAGO 120 LASER 90 - 100 - 110 PHANTER 95 SOLAR 60		042.1420.2/01 071.1420.2/01	IN EX	<b>MI3782/BMCR</b> <b>MI3784/BMCR</b>	44 42	8 8	147.8 147.8	E E	45° 45°
		CENTAURO 70 CONDOR 55 CORSARO 70 LASER 100 TIGER 105 R1056		071.1420.2/01	IN/EX	<b>MI3784/BMCR</b>	42	8	147.8	E	45°
		GALAXI 170 LASER 150		074.1420.2 074.1421.2	IN EX	<b>MI4204/BMCR</b> <b>MI4205/BMCR</b>	42.5 37	9 9	148 148	E E	30° 45°
		TIGER 105		052.1420.0/01 039.1420.2/01 047.1421.0/10	IN IN EX	<b>MI3395/SNT</b> <b>MI3708/SNT</b> <b>MI5182/RCR</b>	42 42 40	9 9 9	148 148 148	E E E	45° 45° 45°
		AURORA 45 BUFALO 120 - 130 CENTAURO 70 - 75 CONDOR 55 - 70 DRAGO 100 FALCON 50 LEOPARD - PANTHER SATURNO		052.1420.0/01 039.1420.2/01 039.1421.0/02	IN IN EX	<b>MI3395/SNT</b> <b>MI3708/SNT</b> <b>MI3457/RNT</b>	42 42 39.8	9 9 9	148 148 148	E E E	45° 45° 45°
		HERCULES 160		052.1420.0/01 052.1421.0	IN EX	<b>MI3395/SNT</b> <b>MI3967/RNT</b>	42 37	9 9	148 148	E E	45° 45°
		EXPLORER 55		066.1420.0 066.1421.0	IN EX	<b>MI3785/SNT</b> <b>MI3786/BMNT</b>	43 39.5	9 9	130.8 130.5	E E	45° 45°
		ANTARES 100 - 130 ARGON 70 EXPLORER 90 FRUTTETO 85 SILVER 80		VERSIONE 078.1420.0 066.1421.0 VERSIONE 081.1420.0/01 066.1421.0	IN EX IN EX	<b>ASPIRATO</b> <b>MI4206/SNT</b> <b>MI3786/BMNT</b> <b>TURBO</b> <b>MI4203/SARNT</b> <b>MI3786/BMNT</b>	44 39.5 44.2 39.5	9 9 9 9	130 130.5 130 130.5	E E E E	30° 45° 30° 45°
		ANTARES 110 ARGON 50 ASTER 60 EXPLORER 60 - 70 - 80 FRUTTETO 60		010.6016.0 066.1421.0	IN EX	<b>MI5186/BMNT</b> <b>MI3786/BMNT</b>	44 39.5	9 9	131 130.5	E E	30° 45°
		ANTARES 130 ARGON 70 EXPLORER 90 GOLDEN 65		010.6017.0 010.6022.0	IN EX	<b>MI5187/SARCR</b> <b>MI5188/BMCR</b>	44 39.5	9 9	130.5 130.5	E E	30° 45°
		TITAN 145 - 160 - 190 RUBIN 160		007.1146.0/11 007.1147.0/12	IN EX	<b>MI5171/SARCR</b> <b>MI5172/BMCR</b>	44 39.5	9 9	130.45 130.45	E E	30° 45°





## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
<b>SCANIA</b>											
1950/73	4	<b>Eng. D420</b> 5650 cc.	115	215715	IN	<b>R4866/SCR</b>	50	11	169	S	30°
				168843	EX	<b>R6057/RCR</b>	42	11	169	S	30°
1950		<b>Eng. D440</b> 6230 cc.		243648	EX	<b>R4867/RCR</b>	42	11	169	S	45°
1950	6	<b>Eng. D610 - D620</b> 8470 cc.									
1954/61		<b>Eng. D630</b> 9350 cc.									
1967		<b>Eng. D8</b> 7790 cc.									
1950/60	8	<b>Eng. D810</b> 11300 cc.									
1985	6	<b>Eng. DS9</b> <b>Eng. DSC9</b> 8471 cc.	115	1319081	IN	<b>R6364/RCR</b>	51	11	162.5	S	20°
				391608							
				1360833	EX	<b>R6365/RCR</b>	44	11	162.5	S	45°
				366256							
				278102							
1958/68	6	<b>Eng. D10</b> 10260 cc.	127	272803	IN	<b>R3743/SCR</b>	54	11	162.5	S	30°
				1361189							
		<b>Eng. DN11</b>		232018	EX	<b>R3744/RCR</b>	45	11	162.5	S	45°
		<b>Up to Eng. N. 5220093</b>		1360834							
		11015 cc.		243477	EX	<b>R3742/RCR</b>	44	11	162.5	S	30°
	6	<b>Eng. DN11</b> <b>From Eng. N. 5220094</b> 11015 cc.	127	352211	IN	<b>R6047/RCR</b>	54	11	162.5	S	20°
				232018	EX	<b>R3744/RCR</b>	45	11	162.5	S	45°
				1360834							
1958/68	6	<b>Eng. DS10 Turbo</b> 10260 cc.	127	272804	IN	<b>R3741/SCR</b>	54	11	162.5	S	30°
				1361190							
1968		<b>Eng. DS11 Turbo</b>		232018	EX	<b>R3744/RCR</b>	45	11	162.5	S	45°
		<b>Up to Eng. N. 5220093</b> 11015 cc.		1360834							
1969	6	<b>Eng. DS11 Turbo</b> <b>From Eng. n. 5220094</b> 11015 cc.	127	294674	IN	<b>R4371/RCR</b>	54	11	162.5	S	20°
				1360836							
				232018	EX	<b>R3744/RCR</b>	45	11	162.5	S	45°
				1360834							
1968/81	6	<b>Eng. DS11 Turbo</b> 11015 cc.	127	270247	IN	<b>R4106/RCR</b>	54	11	162.5	S	30°
				1361192							
				232018	EX	<b>R3744/RCR</b>	45	11	162.5	S	45°
				1360834							
1981	6	<b>Eng. DS11 Turbo</b> 11015 cc.	127	324675	IN	<b>R4130/RCR</b>	54	11	162.5	S	20°
				1361191							
				232018	EX	<b>R3744/RCR</b>	45	11	162.5	S	45°
				1360834							
1968/81	V8	<b>Eng. DS14 Turbo</b> With valve Rotator 14181 cc.	127	270247	IN	<b>R4106/RCR</b>	54	11	162.5	S	30°
				1361192							
				232018	EX	<b>R3744/RCR</b>	45	11	162.5	S	45°
				1360834							



## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1981	V8	<b>Eng. DS14 Turbo</b> With valve Rotator 14181 cc.	127	324675	IN	<b>R4130/RCR</b>	54	11	162.5	S	20°
				1361191	EX	<b>R3744/RCR</b>	45	11	162.5	S	45°
1968/81	V8	<b>Eng. DN14</b> <b>Eng. DS14 Turbo</b> Up to Eng. N. 5504735 14181 cc.	127	272804	IN	<b>R3741/SCR</b>	54	11	162.5	S	30°
				1361190	EX	<b>R3742/RCR</b>	44	11	162.5	S	30°
1981	V8	<b>Eng. DN14</b> <b>Eng. DS14 Turbo</b> From Eng. n. 5504736 14181 cc.	127	294674	IN	<b>R4371/RCR</b>	54	11	162.5	S	20°
				1360836	EX	<b>R3742/RCR</b>	44	11	162.5	S	30°
1995	8	<b>Eng. DSC 14.13.530</b> Euro 2 14181 cc.	127	294674	IN	<b>R4371/RCR</b>	54	11	162.5	S	20°
				232018	EX	<b>R3744/RCR</b>	45	11	162.5	S	45°
1996	6	<b>Eng. DSC 11.89 Turbo</b> <b>Eng. DSC/DSI 12 Turbo</b> 11700 cc.	127	1333230	IN	<b>R6434/BMCR</b>	44	10	171.5	S	20°
				1477022	EX	<b>R6435/BMARCR</b>	41	10	171.5	S	45°
2007	6	<b>Eng. DC12 F6</b> 420 HP 11700 cc.	127	1886946	IN	<b>R6696/BMCR</b>	44	10	171.5	A	20°
				1778492	EX	<b>R6697/BMARCR</b>	41	10	171.5	A	45°
2001	6	<b>Eng. DT12 24V Turbo</b> 11700 cc.	127	1333230	IN	<b>R6434/BMCR</b>	44	10	171.5	S	20°
				1477022	EX	<b>R6435/BMARCR</b>	41	10	171.5	S	45°
2000	V8	<b>Eng. DC163 2V Turbo</b> 15600 cc.	127	1333230	IN	<b>R6434/BMCR</b>	44	10	171.5	S	20°
				1477022	EX	<b>R6435/BMARCR</b>	41	10	171.5	S	45°
	5	<b>Eng. DC9.22/29/30</b> <b>Eng. DC9.32/35/36/38</b> 9300 cc.	130	1886946	IN	<b>R6696/BMCR</b>	44	10	171.5	A	20°
				1778492	EX	<b>R6697/BMARCR</b>	41	10	171.5	A	45°
	6	<b>Eng. DC13.05/06/07/10</b> 12742 cc.	130	1886946	IN	<b>R6696/BMCR</b>	44	10	171.5	A	20°
				1778492	EX	<b>R6697/BMARCR</b>	41	10	171.5	A	45°
				1781847	EX	<b>R6882/BMCR</b>	41.05	10	171.5	A	30°
				2026052	EX	<b>R6882/BMCR</b>	41.05	10	171.5	A	30°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1984	4	Marbella LS-GLS <b>Eng. 100 GL6.000</b> 843 cc.	65	4265695 4266321 4377979	IN EX EX	<b>R3561/SCR</b> <b>R3359/SCR</b> <b>R3551/SCR</b>	29 26 26	7 7 7	95.5 95.5 95.5	EE I EE	45° 45° 45°
1982 1984 1986	4	Marbella LS-GLS-GLX Fura L-GL Ibiza Junior <b>Eng. Fiat GL3</b> 903 cc.									
1997 1996 1997	4	Arosa 1.0 i Cordoba 1.0 i Ibiza 1.0 i <b>Eng. AER-ALL</b> 999 cc.	67.1	030 109 601AG 030 109 611N	IN EX	<b>R4964/S</b> <b>R4965/R</b>	31 26	7 7	94.8 94.4	I I	45° 45°
1998	4	Arosa 1.0 <b>Eng. AHT</b> 999 cc.	67.1	047 109 601D 047 109 611D	IN EX	<b>R6179/SCR</b> <b>R6180/SCR</b>	34 30	7 7	101.4 101.4	I I	45° 45°
1999/02  1997	4	Iniza 1.0 i Cordoba 1.0 i Arosa 1.0 i <b>Eng. ALD-AUC-ANV</b> 999 cc.	67.1	030 109 601AK 030 109 611S	IN EX	<b>R6351/S</b> <b>R6352/R</b>	31 26	6 6	99 98.9	I I	45° 45°
2010	4	Altea 1.2 TSI Leon 1.2 TSI Ibiza 1.2 TSI <b>Eng. CBZB</b> 1197 cc.	71	03F 109 601A 03F 109 611B 03F 109 611C	IN EX	<b>R6718/S</b> <b>R6719/RCR</b>	35.5 30	6 6	98.65 98.35	I I	45° 45°
2012 <b>NEW</b>	4	Leon 1.2 TSI <b>Eng. CJZA-CJZB-CYVA</b> <b>CYVB</b> 1197 cc.	71	04E109601A 04E109611K	IN EX	<b>R6837/S</b> <b>R6838/RCR</b>	26.45 23.46	5 5	110.3 110	I I	45° 30°
2011	3	Mii 1.0 <b>Eng. CHYA-CHYB</b> 999 cc.	74.5	04E 109 601 04E 109 611L	IN EX	<b>R6778/S</b> <b>R6779/RCR</b>	29.5 26.9	5 5	110.3 110.3	I I	45° 45°
10/2011 <b>NEW</b>	3	Mii 1.0 <b>Eng. CHYA</b> 999 cc.	74.5	04E109601A 04E109611K	IN EX	<b>R6837/S</b> <b>R6838/RCR</b>	26.45 23.46	5 5	110.3 110	I I	45° 30°
2012 <b>NEW</b>	3	Mii 1.0 EcoFuel <b>Eng. CPGA</b> 999 cc.	74.5	04C109601C 04C109611A	IN EX	<b>R8030/SARNT</b> <b>R8031/BMARNT</b>	29.5 26.95	5 5	110.24 110.15	I I	45° 30°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
4265699 4372331	<b>G2196</b> <b>G2197</b>	IN/EX	42.5	7.03	13.04 13.09	G	C.I
032 103 419A	<b>G11181</b> <b>G11182</b> <b>G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
032 103 419A	<b>G11181</b> <b>G11182</b> <b>G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058 10 3415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11617</b> <b>G11618</b>	IN/EX	45	5	10.06 10.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0001</b>	I
030 109 411 030 109 411B 030 109 417B 030 109 417D	<b>PI 06-0008</b> <b>RA06-939</b>	I
030 109 423	<b>RA06-971</b> <b>PI 06-0008</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
04E109411H	<b>PI 06-0019</b> <b>RA069-959</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I


**NOTE**  
remarks

**SEAT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2015 <b>NEW</b>	3	Leon 1.0 TSI <b>Eng. CHZD</b> 999 cc.	74.5	04E109601B	IN	<b>R6839/S</b>	28.43	5	110.20	I	45°	
				04E109611J	EX	<b>R6840/RCR</b>	29.43	5	110.20	I	60°	
2016 <b>NEW</b>	3	Ateca 1.0 TSI <b>Eng. CHZ-DKRF</b> 999 cc.	74.5	04E 109 601	IN	<b>R6778/S</b>	29.5	5	110.3	I	45°	
				04E 109 611L	EX	<b>R6779/RCR</b>	26.9	5	110.3	I	45°	
2012 2013 2016 <b>NEW</b>	4	Leon 1.4 TSI Ibiza IV 1.4 TSI Ateca 1.4 TSI <b>Eng. CHPA-CMBA-CPTA</b> <b>CPWA-CXSA-CZEA</b> 1395 cc.	74.5	04E109601B	IN	<b>R6839/S</b>	28.43	5	110.20	I	45°	
				04E109611J	EX	<b>R6840/RCR</b>	29.43	5	110.20	I	60°	
2013 <b>NEW</b>	4	Leon 1.4 TGI <b>Eng. CPWA</b> 1395 cc.	74.5	04E109601P	IN	<b>R8032/SARNT</b>	28.50	5	110.26	I	45°	
				04E109611AC 04E109611AJ	EX	<b>R8033/BMARNT</b>	24.97	5	110.11	I	30°	
2018 <b>NEW</b>	4	Ateca 1.5 TSI <b>Eng. DADA -DPCA</b> <b>EA211EVO Turbo</b> 1495 cc.	74.5	04E109601AB	IN	<b>R6996/S</b>	28.95	5	112.70	I	45°	
				05E109611B	EX	<b>R6997/BMNT</b>	25	5	110.2	I	30°	
2015 <b>NEW</b>	4	Alhambra 1.4 TSI <b>Eng. DJKA</b> 1395 cc.	74.5	04E109601B	IN	<b>R6839/S</b>	28.43	5	110.20	I	45°	
				04C109611C	EX	<b>R8036/BMARNT</b>	25	5	110.15	I	30°	
1984 1984 1985	4	Ibiza 1.2 L-GL-GLX Ronda 1.2 L-GL-GLX Malaga 1.2 L-GL-GLX <b>Eng. System Porsche</b> 1193 cc.	75	SE0210-12301A	IN	<b>R4150/SCR</b>	32	7	103	I	45°	
				39403030								
				SE0210-12302A 39403040	EX	<b>R4151/SCR</b>	28	7	103	I	45°	
1993/07/94	4	Ibiza 1.0 i Until chassis n.80-NW-500000 <b>Eng. AAU</b> 1043 cc.	75	030 109 601E	IN	<b>R4646/SCR</b>	32	8	99.3	I	45°	
				030 109 611A	EX	<b>R4367/R</b>	28.9	8	99.1	I	45°	
08/94	4	Ibiza 1.0 i From chassis n.80-PW-500001 <b>Eng. AAU</b> 1043 cc.	75	030 109 601M	IN	<b>R4886/S</b>	32	7	99.2	I	45°	
				030 109 611D	EX	<b>R4803/R</b>	29	7	99.2	I	45°	
1989/94	4	Ibiza 1.3 i Until chassis n.80-NW-500000 <b>Eng. 2G-AAV-3F</b> 1272 cc.	75	030 109 601D/F	IN	<b>R4645/SCR</b>	36	8	99.3	I	45°	
				030 109 611A	EX	<b>R4367/R</b>	28.9	8	99.1	I	45°	
1989/94	4	Ibiza 1.3 i From chassis n.80-NW-50001 <b>Eng. 2G-AAV-3F</b> 1272 cc.	75	030 109 601L	IN	<b>R4802/S</b>	36	7	99.3	I	45°	
				030 109 611D	EX	<b>R4803/R</b>	29	7	99.2	I	45°	



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06	G SM	C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX IN/EX	45 45 45 45	5 5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11617</b> <b>G11618</b>	IN/EX	45	5	10.06 10.11	B	C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
SE021012306A SE021012306B	<b>G3267</b> <b>G3268</b> <b>G3587</b>	IN/EX	41.5	7	13.52 13.57 13.72	G	C.I.
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	<b>G3535</b> <b>G11197</b>	IN/EX	36.5	7	11.06 11.16	B	C.I.
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	<b>G3535</b> <b>G11197</b>	IN/EX	36.5	7	11.06 11.16	B	C.I.
030 103 419A	<b>G11194</b> <b>G11195</b>	IN/EX	36.5	6.98	11.07 11.12	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
04E109411H 04E109423C	<b>RA06-959</b> <b>PI 06-0056</b>	I
	<b>PI 06-0019</b>	I
04E109411L 04E109411H 04E109423C	<b>RA06-980*</b> <b>RA06-959</b> <b>PI 06-0056</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
	<b>RA06-980</b> <b>PI 06-0056</b>	I
04E109411H 04E109423C	<b>RA06-959</b> <b>PI 06-0056</b>	I
	<b>PI 06-0001</b>	I
034109309N	<b>PI 06-0001</b>	I
034109309N	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I


**NOTE**  
remarks

**RA06-980\***  
ONLY Eng. CPTA  
CZEA

**SEAT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1993/07/94	4	Ibiza 1.4 i <b>Eng. ABD</b> 1390 cc.	75	030 109 601D/F	IN	<b>R4645/SCR</b>	36	8	99.3	I	45°	
				030 109 601E	IN	<b>R4646/SCR</b>	32	8	99.3	I	45°	
				030 109 611A	EX	<b>R4367/R</b>	28.9	8	99.1	I	45°	
2003	3	Cordoba 1.2 i 12V Ibiza 1.2 i 12V <b>Eng. AZQ-BME</b> 1198 cc.	76.5	036 109 601AD	IN	<b>R6205/S</b>	29.5	6	100.9	I	45°	
2003				036 109 611K	EX	<b>R6014/BM</b>	26	6	100.57	I	45°	
2008	3	Ibiza 1.2 i 12V <b>Eng. BZG</b> 1198 cc.	76.5	036 109 601AD	IN	<b>R6205/S</b>	29.5	6	100.9	I	45°	
				036 109 611K	EX	<b>R6014/BM</b>	26	6	100.57	I	45°	
08/94/99	4	Ibiza 1.4 i <b>Eng. ABD</b> 1391 cc.	76.5	030 109 601L	IN	<b>R4802/S</b>	36	7	99.3	I	45°	
				030 109 601G	IN	<b>R4873/S</b>	34	7	99	I	45°	
				030 109 611D	EX	<b>R4803/R</b>	29	7	99.2	I	45°	
1997	4	Arosa 1.4 i Cordoba 1.4 i Ibiza 1.4 i Inca 1.4 i <b>Eng. AEX-AKV</b> 1390 cc.	76.5	030 109 601AH	IN	<b>R4952/S</b>	35.6	7	94.8	I	45°	
1994				032 109 611G	EX	<b>R4805/R</b>	29	7	95	I	45°	
1993												
1995												
1996	4	Cordoba 1.4 i 16V Toledo 1.4 i 16V <b>Eng. AHW-AUB</b> Cordoba 1.4 i 16V Ibiza 1.4 i 16V Leon 1.4 i 16V Inca 1.4 16V <b>Eng. APE-AQQ-AUA</b> Cordoba 1.4 i 16V Ibiza 1.4 i 16V <b>Eng. BBY-BBZ-BKY</b> Arosa 1.4 i 16V <b>Eng. AFK-AUB-AQQ</b> 1390 cc.	76.5	036 109 601S	IN	<b>R6013/S</b>	29.5	6	100.9	I	45°	
1999				036 109 611K	EX	<b>R6014/BM</b>	26	6	100.57	I	45°	
1999												
1999												
1999												
2000												
2003												
2002												
1999												
1996				4	Ibiza 1.4 i 16V Cordoba 1.4 i 16V <b>Eng. AFH</b> 1390 cc.	76.5	036 109 601P	IN	<b>R4966/S</b>	29.5	6	98
1996	036 109 611L	EX	<b>R4967/R</b>				26	6	97.2	I	45°	
1997	4	Arosa 1.4 i Ibiza 1.4 i Cordoba 1.4 i Inca 1.4 i <b>Eng. AUD-AKK</b> 1390 cc.	76.5	030 109 601AL	IN	<b>R6197/S</b>	33.5	6	99.2	I	45°	
1999				030 109 611T	EX	<b>R6198/BM</b>	28	6	99.2	I	45°	
1998												
1995												

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
030 103 419A	<b>G3535</b> <b>G11197</b>	IN/EX	36.5	7	11.06 11.16	B	C.I.
	<b>G11194</b> <b>G11195</b>	IN/EX	36.5	6.98	11.07 11.12	B	C.I.
032 103 419A	<b>G11181</b> <b>G11182</b> <b>G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	<b>PI 06-0001</b>	I
030 109 423 036 109 411C 036 109 411D 036 109 411	<b>PI 06-0008</b> <b>RA06-938</b>	I
030109423 036 109 411C 036 109 411D 036 109 411	<b>PI 06-0008</b> <b>RA06-938</b>	I
034109309N	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0008</b> <b>RA06-938</b>	I
059109521C 059109521B 030 109 411 030 109 411B 030 109 417B 030 109 417D	<b>PI 06-0008</b> <b>RA06-939</b>	I


 NOTE  
remarks

SEAT

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006 2006 2006	4	Altea 1.4 FSI 16V Cordoba 1.4 FSI 16V Ibiza 1.4 i 16V <b>Eng. BXW</b> 1390 cc.	76.8	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
1993/99  1995/98	4	Corboda 1.6 i Ibiza 1.6 i Inca 1.6 I 1598 cc. <b>Eng. ABU-AEE</b> 1598 cc.	76.5	032 109 601G 030 109 601AH 032 109 611G	IN IN EX	<b>R4804/S</b> <b>R4952/S</b> <b>R4805/R</b>	34.6 35.6 29	7 7 7	94.8 94.8 95	I I I	45° 45° 45°
1993/99 1993/99 1991/93 1995/98	4	Cordoba 1.6 i Ibiza 1.6 i Toledo 1.6 i Inca 1.6 i <b>Eng. 1F-ABN</b> 1598 cc.	76.5	035 109 601K 053 109 611	IN EX	<b>R4641/SCR</b> <b>R4642/BMARCR</b>	38 33.2	8 8	91.9 91.2	I I	45° 45°
1996	4	Toledo 1.6 i <b>Eng. AEE</b> 1598 cc.	76.5	030 109 601AH 032 109 611G	IN EX	<b>R4952/S</b> <b>R4805/R</b>	35.6 29	7 7	94.8 95	I I	45° 45°
1999	4	Cordoba 1.6 i Ibiza 1.6 i <b>Eng. ALM</b> 1598 cc.	76.5	030 109 601AH 032 109 611G	IN EX	<b>R4952/S</b> <b>R4805/R</b>	35.6 29	7 7	94.8 95	I I	45° 45°
2000  2006	4	Leon 1.6 i 16V Toledo 1.6 i 16V <b>Eng. AUS-AZD</b> <b>Eng. BTS</b> 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
1993  1993/96	4	Cordoba 1.8 i Ibiza 1.8 i Toledo 1.8 i <b>Eng. ABS</b> 1781 cc.	81	035 109 601K 048 109 611A	IN EX	<b>R4641/SCR</b> <b>R4642/BMARCR</b>	38 33.2	8 8	91.9 91.2	I I	45° 45°
1994 1993/96 1993/96	4	Cordoba 1.8 i Ibiza 1.8 i Toledo 1.8 i <b>Eng. ADZ</b> <b>Up to eng. N. 001108</b> 1780 cc.	81	035 109 601K 048 109 611A	IN EX	<b>R4641/SCR</b> <b>R4642/BMARCR</b>	38 33.2	8 8	91.9 91.2	I I	45° 45°
1993 1993/96	4	Cordoba 1.8 i 16V Ibiza 1.8 i 16V <b>Eng. ADL</b> 1780 cc.	81	051 109 601B 051 109 611B	IN EX	<b>R4808/S</b> <b>R4809/R</b>	32 27	7 7	95.5 98	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
032 103 419A	<b>G11181 G11182 G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
056 103 419A	<b>G2664 G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
032 103 419A	<b>G11181 G11182 G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
032 103 419A	<b>G11181 G11182 G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
056 103 419A	<b>G2664 G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664 G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
051 103 419	<b>G3561 G3592</b>	IN/EX	35	7	12.07 12.12	B	C.I.-F

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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
030 109 423	<b>PI 06-0008 RA06-938</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0008 RA06-938 RA06-948</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I






**NOTE  
remarks**

	<b>RA06-948</b> Only Eng.BTS

**SEAT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1996	4	Cordoba 1.6 i	81	078 109 601B	IN	<b>R4806/S</b>	39.5	7	91.9	I	45°	
1996		Ibiza 1.6 i		048 109 611B	EX	<b>R4807/R</b>	32.9	7	91.2	I	45°	
1996		Toledo 1. I										
1999		Leon 1.6 i										
		<b>Eng. AFT-AEH-AKL-APF</b> 1595 cc.										
1999	4	Leon 1.8 i 20V	81	058 109 601C	IN	<b>R4852/SARCR</b>	26.9	6	105.9	I	45°	
		Toledo 1.8 i 20V		058 109 611M	EX	<b>R4853/BMARCR*</b>	29.8	6	103.9	I	45°	
		<b>Eng. Ang. AGN-APG</b> 1781 cc.										
1998	4	Alhambra 1.8 i Turbo 20V	81	058 109 601C	IN	<b>R4852/SARCR</b>	26.9	6	105.9	I	45°	
		<b>Eng. AJH</b>		058 109 611E	EX	<b>R6189/BMARCR*</b>	29.8	6	103.9	I	45°	
2000		Ibiza 1.8 i Turbo 20V										
		<b>Eng. AQX</b>										
1999		Leon 1.8 i 20V										
1999		Toledo 1.8 i 20V										
		<b>Eng. AJQ-APP-ARY-AUQ</b> Leon 1.8 i 20V										
		<b>Eng. BAM</b> 1781 cc.										
2004	4	Altea 1.6 i	81	06B 109 601D	IN	<b>R6155/S</b>	39.4	6	94	I	45°	
		Toledo 1.6 i		06B 109 611C	EX	<b>R6156/BM</b>	33	6	94	I	45°	
		<b>Eng. BGU-BSE-BSF</b> 1595 cc.										
2007	4	Altea 1.8 TFSI	82.5	06D 109 601M	IN	<b>R6580/SCR</b>	34	6	104	I	45°	
		Leon 1.8 TFSI		06D 109 611L	EX	<b>R6207/BMCR</b>	28	6	102	I	45°	
		Toledo 1.8 TFSI										
		Alhambra 1.8 TFSI										
		<b>Eng. CDAA</b> 1798 cc.										
2013	4	Leon 1.8 TSI	82.5	06L109601	IN	<b>R6900/SCR</b>	33.85	6	104	I	45°	
2015		Ibiza IV 1.8 TSI		06D 109 611L	EX	<b>R6207/BMCR</b>	28	6	102	I	45°	
		<b>NEW</b> <b>Eng. DAJA-CJSA-CJSB</b> 179 cc.										
1991	4	Toledo GL-GLX-GT 2.0	82.5	048 109 611A	IN	<b>R4643/SCR</b>	39.5	8	91.9	I	45°	
		<b>Eng. ZE-AAM</b> 1984 cc.		053 109 611	EX	<b>R4642/BMARCR</b>	33.2	8	91.2	I	45°	
1993/94	4	Cordoba 2.0 i	82.5	048 109 611A	IN	<b>R4643/SCR</b>	39.5	8	91.9	I	45°	
1993/94		Toledo 2.0 i		048 109 611A	EX	<b>R4642/BMARCR</b>	33.2	8	91.2	I	45°	
		Ibiza 2.0 i										
		<b>Eng. 2E</b> <b>Up to eng. N. 565664</b> 1984 cc.										

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
	<b>G11384</b> <b>G11385</b>	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	F
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0001</b>	I
022 109 423A 06B 109 417C	<b>PI 06-0019</b> <b>RA06-943</b>	I
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	<b>PI 06-0019</b> <b>RA06-945</b>	I
	<b>PI 06-0019</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I


**NOTE**  
remarks

**R4853/BMARCR\***  
Retainer stem end  
3.40 mm

**R6189/BMARCR\***  
Retainer stem end  
5.00 mm

**SEAT**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994 1994/96 1994/96	4	Cordoba 2.0 i Toledo 2.0 i Ibiza 2.0 i <b>Eng. 2E</b> <b>From eng. N. 565665</b> 1984 cc.	82.5	078 109 601A 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1984 1994/96 1994/96 1996	4	Cordoba 2.0 i Toledo 2.0 i Ibiza 2.0 i Alhambra 2.0i <b>Eng. AGG-ADY</b> 1984 cc.	82.5	078 109 601A 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1996 1996 1993 1996/00	4	Ibiza 2.0 i 16V Cordoba 2.0 i 16V Toledo 2.0 i 16V Alhambra 2.0 i 16V <b>Eng. ABF</b> 1984	82.5	051 109 601B 051 109 611B	IN EX	<b>R4808/S</b> <b>R4809/R</b>	32 27	7 7	95.5 98	I I	45° 45°
2004 2004 2005	4	Altea 2.0 FSI 16V Toledo 2.0 FSI 16V Leon 2.0 FSI 16V <b>Eng. BLX-BLR</b> 1984	82.5	06D 109 601K 06D 109 611L	IN EX	<b>R6206/S</b> <b>R6207/BMCR</b>	34 28	6 6	104 102	I I	45° 45°
2006 2005	4	Altea 2.0 TSFI 16V Leon 2.0TSFI 16V <b>Eng. BWA</b> 1984 cc.	82.5	06D 109 601K 06D 109 611L	IN EX	<b>R6206/S</b> <b>R6207/BMCR</b>	34 28	6 6	104 102	I I	45° 45°
10/2013	4	Leon 2.0 Cupra <b>Eng. CJXE</b> 1984 cc.	82.5	06L109601 06D 109 611L	IN EX	<b>R6900/SCR</b> <b>R6207/BMCR</b>	33.85 28	6 6	104 102	I I	45° 45°
2017 <b>NEW</b>	4	Ateca 2.0 TSI <b>Eng. DKZA-CZPB-CZRA</b> 1984 cc.	82.5	06L109 601C 06L 109 611	IN EX	<b>R6994/S</b> <b>R6995/BMCR</b>	32.06 28	6 6	105 102.85	I I	45° 45°
1984	4	Ibiza 1.5 GLX Ronda 1.5 GLX - SX Malaga 1.5 GLX <b>Eng. System Porsche</b> 1461 cc.	83	SE0210-12301B 39402830 SE0210-12302B 39402840	IN EX	<b>R4152/SCR</b> <b>R4153/SCR</b>	34 30	7 7	103 103	I I	45° 45°
<b>SEAT DIESEL</b>											
1990/94	4	Terra 1.3 D <b>Eng. MN</b> 1272 cc.	75	030 109 601 030 109 611A	IN EX	<b>R4366/S</b> <b>R4367/R</b>	34 28.9	8 8	99.1 99.1	I I	45° 45°
1990/95	4	Terra 1.4 D Until chassis n.80-NW-500000 <b>Eng. 1W</b> 1398 cc.	75	030 109 601 030 109 611A	IN EX	<b>R4366/S</b> <b>R4367/R</b>	34 28.9	8 8	99.1 99.1	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
027 103 419	<b>G3504</b> <b>G3505</b>	IN/EX	38	7	12.07 12.12	B	C.I.-F
058 10 3415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
058 10 3415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
SE021012306A	<b>G3267</b> <b>G3268</b>	IN/EX	41.5	7	13.52 13.57	G	C.I.
SE021012306B	<b>G3587</b>				13.72		
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0019</b> <b>RA06-944</b>	I
022 109 423A	<b>PI 06-0019</b> <b>RA06-944</b>	I
	<b>PI 06-0019</b> <b>RA06-992</b> <b>RA06-993</b>	I
	<b>PI 06-0019</b> <b>RA06-992</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I





 NOTE  
remarks

SEAT

SEAT DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1990/95	4	Terra 1.4 D From chassis n.80-NW-500001 <b>Eng. 1W</b> 1398 cc.	75	030 109 601G 030 109 611D	IN EX	<b>R4873/S</b> <b>R4803/R</b>	34 29	7 7	99 99.2	I I	45° 45°
2010	3	Ibiza 1.2 TDI <b>Eng. CFWA</b> 1199 cc.	79.5	03L109601A 03L109611A	IN EX	<b>R6690/S</b> <b>R6691/R</b>	26.55 24.45	6 6	99.25 99.10	I I	45° 45°
2000 2002 2002	3	Arosa 1.4 TDI Ibiza 1.4 TDI Cordoba 1.4 TDI <b>Eng. AMF</b> 1422 cc.	79.5	038 109 601B 038 109 611B	IN EX	<b>R6128/S</b> <b>R6129/BM</b>	35.9 31.5	7 7	89.9 90	I I	45° 45°
2009 2010	4	Altea 1.6 TDI Ibiza 1.6 TDI Leon 1.6 TDI <b>Eng. CAYC-CAYB-CLNA</b> 1598 cc.	79.5	03L109601A 03L109611A	IN EX	<b>R6690/S</b> <b>R6691/R</b>	26.55 24.45	6 6	99.25 99.10	I I	45° 45°
2016 <b>NEW</b>	4	Ateca 1.6 TDI <b>Eng. DDYA-DGTE</b> 1598 cc.	79.5	03L109601A 03L109611A	IN EX	<b>R6690/S</b> <b>R6691/R</b>	26.55 24.45	6 6	99.25 99.10	I I	45° 45°
1997	4	Arosa 1.7 SDI <b>Eng. AHG-AKU</b> 1716 cc.	79.5	028 109 601J 028 109 611K	IN EX	<b>R4946/S</b> <b>R4947/R</b>	36 31.5	7 7	96.5 96.3	I I	45° 45°
1993/5-96 1991/5-96 1995/5-96	4	Corboda 1.9 D Ibiza 1.9 D Toledo 1.9 D Inca 1.9 D <b>Until eng. N. 580 000</b> <b>Eng. 1Y</b> 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	<b>R4483/SCR</b> <b>R4640/RCR</b>	36 31.2	8 8	95.5 95.5	I I	45° 45°
6/96 06/96-99	4	Cordoba 1.9 D Ibiza 1.9 D Inca 1.9 D Toledo 1.9 D <b>From eng. N. 580 001</b> <b>Eng. 1Y</b> 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	<b>R6036/S</b> <b>R6037/RCR</b>	36 31	7 7	95.5 95.5	I I	45° 45°
1995/2.96	4	Toledo 1.9 TDI <b>Until eng. N. 770 000</b> <b>Eng. 1Z</b> 1896 cc.	79.5	028 109 601H 028 109 611F	IN EX	<b>R4776/BMCR</b> <b>R4777/BMCR</b>	36 31.4	8 8	96.9 96.9	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
030 103 419A	<b>G3535</b> <b>G11197</b>	IN/EX	36.5	7	11.06 11.16	B	C.I.
	<b>G11194</b> <b>G11195</b>	IN/EX	36.5	6.98	11.07 11.12	B	C.I.-F
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
037 10 3419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
037 10 3419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037 10 3419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034109309N	<b>PI 06-0001</b>	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	<b>PI 06-0040</b>    <b>RA06-946</b>	I
038109309A 038109309B	<b>PI 06-0032</b>	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G	<b>PI 06-0040</b>    <b>RA06-946</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I


**NOTE  
remarks**
**SEAT DIESEL**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
3/96	4	Toledo 1.9 TDI <b>From eng. N. 770 001</b> <b>Eng. 1Z</b> 1896 cc.	79.5	028 109 601D	IN	<b>R6087/S</b>	35.9	7	96.8	I	45°
				028 109 601K	IN	<b>R4888/BM</b>	35.9	7	96.8	I	45°
				028 1096 11G	EX	<b>R4889/BM</b>	31.5	7	96.85	I	45°
06/96-96	4	Ibiza 1.9 TD <b>Eng. AAZ</b> 1896 cc.	79.5	028 109 601B	IN	<b>R6036/S</b>	36	7	95.5	I	45°
				028 109 611E	EX	<b>R6037/RCR</b>	31	7	95.5	I	45°
1993/5-96 1991/5-96	4	Ibiza 1.9 TD Toledo 1.9 TD <b>Until eng. N. 678 000</b> <b>Eng. AAZ</b> 1896 cc.	79.5	069 109 601H	IN	<b>R4899/BMARCR</b>	36	8	95.5	I	45°
				074 109 611	EX	<b>R4640/RCR</b>	31.2	8	95.5	I	45°
06/96-99	4	Toledo 1.9 TD <b>From eng. N. 678 001</b> <b>Eng. AAZ</b> 1896 cc.	79.5	028 109 601B	IN	<b>R6036/S</b>	36	7	95.5	I	45°
				028 109 611E	EX	<b>R6037/RCR</b>	31	7	95.5	I	45°
1996	4	Cordoba 1.9 D <b>Eng. AEF</b> 1896 cc.	79.5	028 109 601B	IN	<b>R6036/S</b>	36	7	95.5	I	45°
				028 109 611E	EX	<b>R6037/RCR</b>	31	7	95.5	I	45°
1996/99 1995/99 1995	4	Cordoba 1.9 SDI Ibiza 1.9 SDI Toledo 1.9 SDI Inca 1.9 SDI <b>From eng. N. 002 001</b> <b>Eng. AEY</b> 1896 cc.	79.5	028 109 601J	IN	<b>R4946/S</b>	36	7	96.5	I	45°
				028 109 611K	EX	<b>R4947/R</b>	31.5	7	96.3	I	45°
1999 1999 1999	4	Codoba 1.9 SDI Leon 1.9 SDI Toledo 1.9 SDI <b>Eng. AQM-AGP-AEY</b> 1896 cc.	79.5	028 109 601J	IN	<b>R4946/S</b>	36	7	96.5	I	45°
				028 109 611K	EX	<b>R4947/R</b>	31.5	7	96.3	I	45°
2002 2002	4	Coroba 1.9 SDI Ibiza 1.9 SDI <b>Eng. ASY</b> 1896 cc.	79.5	028 109 601J	IN	<b>R4946/S</b>	36	7	96.5	I	45°
				028 109 611K	EX	<b>R4947/R</b>	31.5	7	96.3	I	45°
1996 1996 1996	4	Alhambra 1.9 TDI <b>Eng. 1Z</b> Corboda 1.9 TDI Ibiza 1.9 TDI Inca 1.9 TDI <b>Eng. 1Z-AGR-AHU-ALH</b>	79.5	028 109 601D	IN	<b>R6087/S</b>	35.9	7	96.8	I	45°
				028 109 601K	IN	<b>R4888/BM</b>	35.9	7	96.8	I	45°
				028 1096 11G	EX	<b>R4889/BM</b>	31.5	7	96.85	I	45°
1999 1999	4	Leon 1.9 TDI Toledo 1.9 TDI <b>Eng. AGR-AHU-ALH</b> 1896 cc. (90CV)	79.5								



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996/00	4	Alhambra 1.9 TDI <b>Eng. AFN-AVG</b>	79.5	028 109 601D	IN	<b>R6087/S</b>	35.9	7	96.8	I	45°
1996		Ibiza 1.9 TDI		028 109 601K	IN	<b>R4888/BM</b>	35.9	7	96.8	I	45°
1996		Cordoba 1.9 TDI		028 1096 11G	EX	<b>R4889/BM</b>	31.5	7	96.85	I	45°
1999		Leon 1.9 TD									
1996		Toledo 1.9 TDI <b>Eng. AFN-AHF-ASV</b> 1896 cc (110 CV)									
2000	4	Alhambra 1.9 TDI <b>Eng. AUU</b> 1896 cc. (115 CV)	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
				038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2002	4	Cordoba 1.9 TDI	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
2002		Ibiza 1.9 TDI <b>Eng. ATD</b> 1896 cc. (101 CV)		038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2002	4	Alhambra 1.9 TDI	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
2002		Cordoba 1.9 TDI		038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2002		Ibiza 1.9 TDI									
2003		Leon 1.9 TDI									
2003		Toledo 1.9 TDI <b>Eng. ASZ</b> 1896 cc. (130 CV)									
2001	4	Ibiza 1.9 TDI	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
2001		Leon 1.9 TDI		038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2000		Toledo 1.9 TDI <b>Eng. ARL</b> 1896 cc. (150 CV)									
2005	4	Leon 1.9 TDI <b>Eng. AXR-BKC-BLS-BXE</b> <b>Eng. BXF-BLB</b> 1896 cc	79.5	038 109 601E	IN	<b>R6208/S</b>	35.9	7	89.4	I	45°
				038 109 611E	EX	<b>R6209/BM</b>	31.5	7	89	I	45°
2005	4	Leon 2.0 TDI	81	038 109 601E	IN	<b>R6208/S</b>	35.9	7	89.4	I	45°
2006		Toledo 2.0 TDI <b>Eng. BMM</b> 1968 cc.		038 109 611E	EX	<b>R6209/BM</b>	31.5	7	89	I	45°
2004	4	Altea 2.0 TDI -PD 16V	81	03G 109 601B	IN	<b>R6372/S</b>	29.1	6	87.8	I	45°
2004		Toledo 2.0 TDI-PD 16V		03G 109 611D	EX	<b>R6373/BM</b>	25.4	6	87.5	I	45°
2005		Leon 2.0 TDI-PD 16V <b>Eng. AZV-BKD-BMN</b> 1968 cc. (140 CV)									
2008	4	Altea 2.0 TDI FR	81	03L 109 601	IN	<b>R6564/S</b>	28.1	6	99.3	I	45°
		Leon 2.0 TDI FR <b>Eng. CBAA-CBAB</b> <b>Eng. CBBA-CBBB</b> 1968 cc.		03L 109 611	EX	<b>R6565/BM</b>	26	6	99.1	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 10 3419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 10 3419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0001</b>	I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I
038 109 309B	<b>PI 06-0032</b>	I
038 109 309B	<b>PI 06-0032</b>	I
03G 109 411C	<b>PI 06-0042</b>	I
03G 409 411B	<b>PI 06-0045</b>	I
03G 109 412C	<b>PI 06-0044</b>	I
03G 109 412B	<b>PI 06-0043</b>	I
059 109 521G	<b>PI 06-0040</b>	I
059 109 521 H		
03L109 521		
03L109 521A		
059 109 417G	<b>RA06-946</b>	


 NOTE  
remarks

SEAT DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2009	4	Exeo 2.0 TDI <b>Eng. CAGC-CJCC-CAGA</b> <b>Eng. CJCA-CAHA-CGLB</b> 1968 cc.	81	03L 109 601 03L 109 611	IN EX	<b>R6564/S</b> <b>R6565/BM</b>	28.1 26	6 6	99.3 99.1	I I	45° 45°
2016	4	Ateca 2.0TDI <b>Eng. CRVA-CRVC-DFFA</b> <b>DFHA</b> 1968 cc.	81	03L 109 601 03L 109 611	IN EX	<b>R6564/S</b> <b>R6565/BM</b>	28.1 26	6 6	99.3 99.1	I I	45° 45°
1984 1985	4	Ibiza 1.7D Malga 1.7D <b>Eng. Fiat 138A5.000</b> 1714 cc.	83	4368843 4368845 5996615	IN EX	<b>R3609/SCR</b> <b>R3610/RCR</b>	38.5 33.5	8 8	126 126	EE EE	45° 45°
<b>SKODA</b>											
2017 2018 <b>NEW</b>	3	Karoq 1.0 TSI Kamiq 1.0 TSI <b>Eng. CHZJ-DKLA-DKRF</b> 999 cc.	74.5	04E 109 601 04E 109 611L	IN EX	<b>R6778/S</b> <b>R6779/RCR</b>	29.5 26.9	5 5	110.3 110.3	I I	45° 45°
2016	4	Kodiaq 1.4 TSI <b>Eng. CZCA-CZDA-CZEA</b> 1395 cc.	74.5	04E109601B 04E109611J	IN EX	<b>R6839/S</b> <b>R6840/RCR</b>	28.43 29.43	5 5	110.20 110.20	I I	45° 60°
2018 <b>NEW</b>	4	Kodiaq 1.5 TSI Karoq 1.5 TSI <b>Eng. DADA</b> 1495 cc.	74.5	04E109601AB 05E109611B		<b>R6996/S</b> <b>R6997/BMNT</b>	28.96 25	5 5	112.70 110.2	I I	45° 30°
1984	4	105 S <b>Eng. 742.10</b> 1046 cc.	68	113020240 113020260	IN EX	<b>R3721/S</b> <b>R3722/R</b>	31.2 27.2	8 8	99.8 99.8	I I	45° 45°
2010	4	Roomster 1.2 TSI Fabia 1.2 TSI Octavia 1.2 TSI Yeti 1.2 TSI <b>Eng. CBZA-CBZB</b> 1197 cc.	71	03F 109 601A 03F 109 611B 03F 109 611C	IN EX	<b>R6718/S</b> <b>R6719/RCR</b>	35.5 30	6 6	98.65 98.35	I I	45° 45°
2012 2014 2015	4	Octavia III 1.2 TSI Fabia III 1.2 TSI Yeti 1.2 TSI <b>Eng. CJZA-CJZB-CYVB</b> 1197 cc.	71	04E109601A 04E109611K	IN EX	<b>R6837/S</b> <b>R6838/RCR</b>	26.45 23.46	5 5	110.3 110	I I	45° 30°
1984	4	120L <b>Eng. 742.12</b> 1174 cc.	72	113020241 113020260	IN EX	<b>R3723/S</b> <b>R3722/R</b>	32.2 27.2	8 8	99.6 99.8	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
SE700012306A SE700012306B	<b>G2828</b> <b>G2279</b>	IN/EX	59.5	8.03	15.03 15.08	G	C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b>	IN/EX IN/EX	45	5	10.06 10.11 10.06	G SM	C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45	5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45	5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	<b>PI 06-0040</b>   <b>RA06-946</b>	I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	<b>PI 06-0040</b>   <b>RA06-946</b>	I
	<b>PI 03-102</b>	M
	<b>PI 06-0019</b>	I
04E109411L 04E109411H 04E109423C	<b>RA06-980*</b> <b>RA06-959</b> <b>PI 06-0056</b>	I
04E109411L 04E109423C	<b>RA06-980</b> <b>PI 06-0056</b>	I
030 109 423	<b>RA06-971</b> <b>PI 06-0008</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I


 NOTE  
remarks





SEAT DIESEL

SKODA

**RA06-980\***  
ONLY Eng. CZECA

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1999	4	Fabia 1.0 i <b>Eng. AER</b> 999 cc.	67.1	030 109 601AG 030 109 611N	IN EX	<b>R4964/S</b> <b>R4965/R</b>	31	7	94.8	I	45°
							26	7	94.4	I	45°
2000	4	Fabia 1.0 i <b>Eng. AQV - ARV - ATY</b> 997 cc.	72	047 109 601F 047 109 611B	IN EX	<b>R6181/SCR</b> <b>R6182/RCR</b>	34	7	103.8	I	45°
							27	7	103.7	I	45°
2011	3	Citigo 1.0 <b>Eng. CHYA-CHYB</b> 999 cc.	74.5	04E 109 601 04E 109 611L	IN EX	<b>R6778/S</b> <b>R6779/RCR</b>	29.5	5	110.3	I	45°
							26.9	5	110.3	I	45°
10/2011	3	Citigo 1.0 <b>Eng. CHYA</b> 999 cc.	74.5	04E109601A 04E109611K	IN EX	<b>R6837/S</b> <b>R6838/RCR</b>	26.45	5	110.3	I	45°
							23.46	5	110	I	30°
2012 <b>NEW</b>	3	Citigo 1.0 CNG <b>Eng. CPGA</b> 999 cc.	74.5	04C109601C 04C109611A	IN EX	<b>R8030/SARNT</b> <b>R8031/BMARNT</b>	29.5	5	110.24	I	45°
							26.95	5	110.15	I	30°
2016 <b>NEW</b>	3	Octavia III 1.0 <b>Eng. CHZD</b> 999 cc.	74.5	04E109601B 04E109611J	IN EX	<b>R6839/S</b> <b>R6840/RCR</b>	28.43	5	110.20	I	45°
							29.43	5	110.20	I	30°
2013 2015	4	Octavia III 1.4 TSI Superb III 1.4 TSI <b>Eng. CHPA-CPWA-CZEA</b> 1395 cc.	74.5	04E109601B 04E109611J	IN EX	<b>R6839/S</b> <b>R6840/RCR</b>	28.43	5	110.20	I	45°
							29.43	5	110.20	I	30°
2013 <b>NEW</b>	4	Octavia 1.4 TSI G-TEC <b>Eng. CPWA</b> 1395 cc.	74.5	04E109601P 04E109611AC 04E109611AJ	IN EX	<b>R8032/SARNT</b> <b>R8033/BMARNT</b>	28.50	5	110.26	I	45°
							24.97	5	110.11	I	30°
2018	4	Kodiaq 1.5 TSI <b>Eng. DADA -DPCA</b> <b>EA211EVO Turbo</b> 1495 cc.	74.5	04E109601AB 05E109611B	IN EX	<b>R6996/S</b> <b>R6997/BMNT</b>	28.95	5	112.70	I	45°
							25	5	110.2	I	30°
2000	4	Fabia 1.4 <b>Eng. AME - AQW - ATZ</b> <b>AZE -AZF</b> 1397 cc.	75.5	047 109 601D 047 109 611D	IN EX	<b>R6179/SCR</b> <b>R6180/RCR</b>	34	7	101.4	I	45°
							30	7	101.4	I	45°
2001	3	Fabia 1.2 i <b>Eng. AWY</b> 1198 cc.	76.5	032 109 601L 030 109 611T	IN EX	<b>R6452/S</b> <b>R6198/BM</b>	34.5	6	99.1	I	45°
							28	6	99.2	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
032 103 419A	<b>G11181</b> <b>G11182</b> <b>G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45	5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45	5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11617</b> <b>G11618</b>	IN/EX	45	5	10.06 10.11	B	C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45	5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45	5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11617</b> <b>G11618</b>	IN/EX	45	5	10.06 10.11	B	C.I.
032 103 419A	<b>G11181</b> <b>G11182</b> <b>G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
04E109411H	<b>PI 06-0019</b> <b>RA069-959</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
04E109411H 04E109423C	<b>RA06-959</b> <b>PI 06-0056</b>	I
04E109411L 04E109411H 04E109423C	<b>RA06-980*</b> <b>RA06-959</b> <b>PI 06-0056</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
	<b>RA06-980</b> <b>PI 06-0056</b>	I
030 109 411 030 109 411B 030 109 417B 030 109 417D	<b>PI 06-0008</b> <b>RA06-939</b>	I



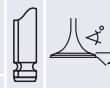


**NOTE**  
remarks

**RA06-980\***  
ONLY Eng. CZE

**SKODA**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2003 2006 2007	3	Fabia 1.2 i 12V Roomster 1.2 12V Praktik 1.2 i 12V <b>Eng. AZQ-BME-BZG</b> 1198 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
1999	4	Fabia 1.4 i 16V <b>Eng. AFH</b> 1390 cc.	76.5	036 109 601P 036 109 611L	IN EX	<b>R4966/S</b> <b>R4967/R</b>	29.5 26	6 6	98 97.2	I I	45° 45°
1999 2006 2007	4	Fabia 1.4 i 16V Roomster 1.4 i 16V Praktik 1.4 i 16V <b>Eng. AUA-AUB-BBY</b> <b>Eng. BBZ-BKY-BUD</b> <b>Eng. BXW</b> 1390 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
1996	4	Felicia 1.6 i Octavia 1.6 i <b>Eng. AEE</b> 1598 cc.	76.5	030 109 601AH 032 109 611G	IN EX	<b>R4952/S</b> <b>R4805/R</b>	35.6 29	7 7	94.8 95	I I	45° 45°
2004 2006	4	Octavia 1.6 FSI 16V Roomster 1.6 i 16V <b>Eng. BLF-BTS</b> 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
1997	4	Octavia 1.6 i <b>Eng. AFT-AEH-AKL</b> 1595 cc.	81	078 109 601B 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
2000	4	Octavia 1.6 i <b>Eng. AVU-BFQ-BGU</b> <b>Eng. BSE-BSF</b> 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	<b>R6155/S</b> <b>R6156/BM</b>	39.4 33	6 6	94 94	I I	45° 45°
1996	4	Octavia 1.8 i 20V <b>Eng. AGN</b> 1781 cc.	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1997	4	Octavia 1.8 i 20V Turbo <b>Eng. AGU</b> 1781 cc.	81	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1997	4	Octavia 1.8 i 20V Turbo <b>Eng. ARX-AUM</b> 1781 cc.	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
2002	4	Superb 1.8 i 20V Turbo <b>Eng. AWT</b> 1781 cc.	81	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1999 2000	4	Octavia 2.0 i Fabia 2.0 i <b>Eng. AQY</b> 1984 cc.	81	078 109 601B 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
032 103 419A	<b>G11181 G11182 G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
037 103 419B	<b>G3593 G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	<b>G11384 G11385</b>	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
037 103 419B	<b>G3593 G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
036 109 411C 036 109 411D 036 109 411	<b>PI 06-0008 RA06-938</b>	I
036 109 411C 036 109 411D 036 109 411	<b>PI 06-0008 RA06-938</b>	I
	<b>PI 06-0001</b>	I
036 109 41E	<b>PI 06-0008 RA06-948</b>	I
050109309A 050109309C 050109309H	<b>PI 06-0001</b>	
022 109 423A 06B 109 417C	<b>PI 06-0019 RA06-943</b>	I
050109309J 050109309M	<b>PI 06-0001</b>	


**NOTE  
remarks**

**R4853/BMARCR\***  
Retainer stem end  
3.40 mm

**R6189/BMARCR\***  
Retainer stem end  
5.00 mm


**R4853/BMARCR\***  
Retainer stem end  
3.40 mm

**R6189/BMARCR\***  
Retainer stem end  
5.00 mm

**SKODA**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008	4	Superb 1.8 TFSI Yeti 1.8 TFSI Octavia 1.8 TFSI <b>Eng. CDAA</b> 1798 cc.	82.5	06D 109 601M 06D 109 611L	IN EX	<b>R6580/SCR</b> <b>R6207/BMCR</b>	34 28	6 6	104 102	I I	45° 45°
11/2012 03/2015 <b>NEW</b>	4	Octavia III 1.8 TSI Superb III 1.8 TSI <b>Eng. CJSA-CJSB</b> 1798 cc.	82.5	06L109601 06D 109 611L	IN EX	<b>R6900/SCR</b> <b>R6207/BMCR</b>	33.85 28	6 6	104 102	I I	45° 45°
2004	4	Octavia 2.0 FSI 16V <b>Eng. BLX-BLY-BLR</b> 1984 cc.	82.5	06D 109 601K 06D 109 611L	IN EX	<b>R6206/S</b> <b>R6207/BMCR</b>	34 28	6 6	104 102	I I	45° 45°
2006	4	Octavia 2.0 RS 16V <b>Eng. BWA</b> 1984 cc.	82.5	06D 109 601K 06D 109 611L	IN EX	<b>R6206/S</b> <b>R6207/BMCR</b>	34 28	6 6	104 102	I I	45° 45°
05/2013 <b>NEW</b>	4	Octavia III 2.0 TSI Superb III 2.0 TSI <b>Eng. CHHB-CHHA</b> 1984 cc.	82.5	06L109601 06D 109 611L	IN EX	<b>R6900/SCR</b> <b>R6207/BMCR</b>	33.85 28	6 6	104 102	I I	45° 45°
2019	4	Kodiaq 2.0 TSI Karoq 2.0 TSI <b>Eng. DKZA-CZPA</b> 1984 cc.	82.5	06L109 601C 06L 109 611	IN EX	<b>R6994/S</b> <b>R6995/BMCR</b>	32.06 28	6 6	105 102.85	I I	45° 45°
2002	V6	Superb 2.8 i V6 30V <b>Eng. AMX</b> 2771 cc.	82.5	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°

## SKODA DIESEL

2001	V6	Superb TDI V6 24V <b>Eng. AYM</b> 2496 cc.	78.3	059 109 601B 059 109 601C 059 109 611B	IN EX	<b>R6085/SCR</b> <b>R6086/BMARCR</b>	27 24	6 6	100.5 100.5	I I	45° 45°
2003	V6	Superb TDI V6 24V <b>Eng. BDG</b> 2496 cc.	78.3	059 109 601F 059 109 611G	IN EX	<b>R6453/SCR</b> <b>R6454/BMARCR</b>	27.2 24.1	6 6	100.6 100.7	I I	45° 45°
2010	3	Roomster 1.2 TDI <b>Eng. CFWA</b> 1199 cc.	79.5	03L109601A 03L109611A	IN EX	<b>R6690/S</b> <b>R6691/R</b>	26.55 24.45	6 6	99.25 99.10	I I	45° 45°
2006 2007	4	Roomster 1.4 TDI Praktik 1.4 TDI <b>Eng. BNM-BNV-BMS</b> 1422 cc.	79.5	038 109 601E 038 109 611E	IN EX	<b>R6208/S</b> <b>R6209/BM</b>	35.9 31.5	7 7	89.4 89	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
	<b>G11255 G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255 G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11445 G11446</b>	IN/EX	36	5.98	10.06	B	C.I.
037 103 419B	<b>G3593 G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	<b>PI 06-0019 RA06-945</b>	I
	<b>PI 06-0019</b>	I
06E 109 417A	<b>PI 06-0019 RA06-944</b>	I
	<b>PI 06-0019 RA06-944</b>	I
	<b>PI 06-0019</b>	I
	<b>PI 06-0019 RA06-992</b>	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	<b>PI 06-0040</b>    <b>RA06-946</b>	I
038 103 309A 038 109 309B	<b>PI 06-0032</b>	I






**NOTE  
remarks**

			<b>R4853/BMARCR*</b> Retainer stem end 3.40 mm
			<b>R6085/SCR</b> <b>R6086/BMARCR</b> Retainer stem end 2.5 mm
			<b>R6453/SCR</b> <b>R6454/BMARCR</b> Retainer stem end 8.3 mm

**SKODA**
**SKODA DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2009	4	Octavia 1.6 TDI <b>Eng. CAYC</b>	79.5	03L109601A	IN	<b>R6690/S</b>	26.55	6	99.25	I	45°
2010		Fabia 1.6 TDI Yeti 1.6 TDI <b>Eng. CAYB</b> 1598 cc.		03L109611A	EX	<b>R6691/R</b>	24.45	6	99.10	I	45°
2019	4	Kamiq 1.6 TDI	79.5	03L109601A	IN	<b>R6690/S</b>	26.55	6	99.25	I	45°
2017		Karoq 1.6 TDI <b>Eng. DDYA-DGTE-DGTA</b> 1598 cc.		03L109611A	EX	<b>R6691/R</b>	24.45	6	99.10	I	45°
1995/5-96	4	Felicia 1.9 D <b>Until eng. N. 007 000</b> <b>Eng. AEF</b> 1896 cc.	79.5	069 109 601F	IN	<b>R4483/SCR</b>	36	8	95.5	I	45°
				074 109 611	EX	<b>R4640/RCR</b>	31.2	8	95.5	I	45°
6-96	4	Felicia 1.9 D <b>From eng. N. 007 001</b> <b>Eng. AEF</b> 1896 cc.	79.5	028 109 601B	IN	<b>R6036/S</b>	36	7	95.5	I	45°
				028 109 611E	EX	<b>R6037/RCR</b>	31	7	95.5	I	45°
1996	4	Octavia 1.9 TDI <b>Eng. AGR-ALH-AHF-ASV</b> 1896 cc.	79.5	028 109 601D	IN	<b>R6087/S</b>	35.9	7	96.8	I	45°
				028 1096 11G	EX	<b>R4889/BM</b>	31.5	7	96.85	I	45°
1997	4	Octavia 1.9 SDI <b>From eng. N. 002 001</b> <b>Eng. AEY</b>	79.5	028 109 601J	IN	<b>R4946/S</b>	36	7	96.5	I	45°
1997		Octavia 1.9 SDI <b>Eng. AQM-AGP</b> 1896 cc.		028 109 611K	EX	<b>R4947/R</b>	31.5	7	96.5	I	45°
1999	4	Fabia 1.9 SDI <b>Eng. AEY-ASY</b> 1896 cc.	79.5	028 109 601J	IN	<b>R4946/S</b>	36	7	96.5	I	45°
				028 109 611K	EX	<b>R4947/R</b>	31.5	7	96.3	I	45°
1999	4	Fabia 1.9 TDI <b>Eng. AHF</b> 1896 cc.	79.5	028 109 601D	IN	<b>R6087/S</b>	35.9	7	96.8	I	45°
				028 1096 11G	EX	<b>R4889/BM</b>	31.5	7	96.85	I	45°
2000	4	Fabia 1.9 TDI	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
2000		Octavia 1.9 TDI <b>Eng. ATD</b> 1896 cc.		038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2002	4	Superb 1.9 TDI <b>Eng. AVB-AVF-AWX</b> 1896 cc.	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
				038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2003	4	Fabia 1.9 TDI	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
2003		Octavia 1.9 TDI <b>Eng. ASZ</b> 1896 cc.		038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS  
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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	<b>PI 06-0040</b>    <b>RA06-946</b>	I
050 109 309A 050 109 309C 050 109 309H 050 109 309J 050 109 309M	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
038 103 309A 038 109 309B	<b>PI 06-0032</b>	I
038 103 309A 038 109 309B	<b>PI 06-0032</b>	I
038 103 309A 038 109 309B	<b>PI 06-0032</b>	I


**NOTE**  
remarks

**SKODA DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
2008 2006	4	Superb 1.9 TDI-PD Roomster 1.9 TDI-PD <b>Eng. BLS-BXE-BSW</b> 1896 cc.	79.5	038 109 601E 038 109 611E	IN EX	<b>R6208/S</b> <b>R6209/BM</b>	35.9 31.5	7 7	89.4 89	I I	45° 45°
2004	4	Octavia 2.0 TDI-PD 16V <b>Eng. BKD</b> 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	<b>R6372/S</b> <b>R6373/BM</b>	29.1 25.4	6 6	87.8 87.5	I I	45° 45°
2008	4	Octavia 2.0 TDI 2.0 16V RS <b>Eng. CBAA-CBAB</b> <b>Eng. CBBA-CBBB</b> 1968 cc.	81	03L 109 601 03L 109 611	IN EX	<b>R6564/S</b> <b>R6565/BM</b>	29.1 26	6 6	99.3 99.1	I I	45° 45°
2009	4	Yeti 2.0 TDI <b>Eng. CLCA-CFHA-CFHF</b> 1968 cc.	81	03L109601A 03L109611A	IN EX	<b>R6690/S</b> <b>R6691/R</b>	26.55 24.45	6 6	99.25 99.10	I I	45° 45°
2009	4	Superb 2.0 TDI <b>Eng. BMP</b> 1968 cc.	81	038 109 601E 038 109 611E	IN EX	<b>R6208/S</b> <b>R6209/BM</b>	35.95 31.5	7 7	89.4 89	I I	45° 45°
2017 2018	4	Karoq 2.0 TDI Kodiaq 2.0 TDI <b>Eng. DFFA-DFHA-DBGA</b> DBGC-DBGF 1968 cc.	81	03L 109 601 03L 109 611	IN EX	<b>R6564/S</b> <b>R6565/BM</b>	28.1 26	6 6	99.3 99.1	I I	45° 45°
2001	V6	Superb V6 30V <b>Eng. AMK-BBG</b> 2771 cc.	82.5	059 109 601G 059 109 611K	IN EX	<b>R6514/S</b> <b>R6515/BMAR</b>	28.8 26.8	6 6	99.5 99.4	I I	45° 45°

## SLANZI

		DVA 1750		5869652071 44.22.38	IN/D	<b>MI5096/S</b>	38.5	8	113.8	E	45°
				5869685075 44.20.38	EX	<b>MI5097/RNT</b>	32.9	8	113.8	E	45°
		DVA 3600		9889652068 44.21.68	IN	<b>MI5138/S</b>	44	9	123	D	45°
				9889685076 44.20.68	EX	<b>MI5139/RNT</b>	38	9	123	D	45°

## SMART

1998	3	Smart <b>Eng. M160</b> 599 cc.	63.5	1600530001 1600500027	IN EX	<b>R6038/SNT</b> <b>R6039/RNT</b>	30 25	6 6	89.2 89.5	E E	45° 45°
2002	3	Crossblade 600 <b>Eng. M160</b> 599 cc.	63.5	1600530001 1600500027	IN EX	<b>R6038/SNT</b> <b>R6039/RNT</b>	30 25	6 6	89.2 89.5	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I-F
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06	B	C.I.
037 109 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07	B	C.I.-F
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
	<b>G11288</b> <b>G11299</b> <b>GS11288</b>	IN/EX	35	6	12.56 12.61	G	C.I.
	<b>G11288</b> <b>G11299</b> <b>GS11288</b>	IN/EX	35	6	12.56 12.61	SM	C.I.
	<b>G11288</b> <b>G11299</b> <b>GS11288</b>	IN/EX	35	6	12.56 12.61	G	C.I.
	<b>G11288</b> <b>G11299</b> <b>GS11288</b>	IN/EX	35	6	12.56	SM	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
038 109 309B	<b>PI 06-0032</b>	I
03G 109 411C	<b>PI 06-0042</b>	I
03G 409 411B	<b>PI 06-0045</b>	I
03G 109 412C	<b>PI 06-0044</b>	I
03G 109 412B	<b>PI 06-0043</b>	I
059 109 521G	<b>PI 06-0040</b>	I
059 109 417G	<b>RA06-946</b>	
059 109 521G	<b>PI 06-0040</b>	I
059 109 521 H		
03L 109 521		
03L 109 521A	<b>RA06-946</b>	
059 109 417G		
059 109 417F	<b>PI 06-0032</b>	I
059 109 521G	<b>PI 06-0040</b>	I
059 109 521 H		
03L109 521		
03L109 521A	<b>RA06-946</b>	
059 109 417G		
	<b>PI 06-0030</b> <b>RA06-907</b>	I
	<b>PI 06-0030</b> <b>RA06-907</b>	I


**NOTE**  
remarks

**SKODA DIESEL**
**SLANZI**
**SMART**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003 2004 2003	3	Smart City Fortwo Roadster <b>Eng. M160.910</b> 698 cc.	66.5	1600530001 1600500027	IN EX	<b>R6038/SNT</b> <b>R6039/RNT</b>	30 25	6 6	89.2 89.5	E E	45° 45°
2008	3	Fortwo 1.0 Turbo Fortwo 1.0 Brabus <b>Eng. M132.930</b> 999 cc.	72	132 053 0001 132 053 0005	IN EX	<b>R6743/SNT</b> <b>R6744/RNT</b>	28 25	5 5	85.45 86.88	S S	45° 45°
2004	3  4  4	Fourfour 1.1 12V <b>Eng. M134.910/911</b> 1124 cc. Fourfour 1.3 16V <b>Eng. M135.930</b> 1332 cc. Fourfour 1.5 16V <b>Eng. M135.950</b> 1499 cc.	75	1350530001 1350530005	IN EX	<b>R6494/SNT</b> <b>R6495/RNT</b>	30.4 25.4	5 5	89.6 90.9	S S	45° 45°
2014 <b>NEW</b>	3	Fortwo 0.9 Turbo 12V <b>Eng. H4B-M281.910</b> 898 cc.	75	2810530100 2810530200	IN EX	<b>R6799/SNT</b> <b>R6800/RCR</b>	26.55 23.50	5.5 5.5	100.90 101.7	I I	45° 30°

## SMART DIESEL

1999	3	Smart 800 Cdi <b>Eng. OM 660</b> 799 cc.	65.5	6600530101 6600530005	IN EX	<b>R6355/SCR</b> <b>R6356/RCR</b>	27.5 25.4	6 6	91.3 91.2	I I	
2004	3	Fourfour 1.5 CDI <b>Eng. OM639</b> 1493 cc.	83	05175396AA 05175397AA	IN EX	<b>R6496/SCR</b> <b>R6497/RCR</b>	28.6 25.4	6 6	102.2 102.2	I I	

## SSANGYONG

1996 1997	4	Musso 2.0 i 16V Korando 2.0 i 16V <b>Eng. E20</b> 1998 cc.	89.9	1110531101 1110501227 1110501427	IN EX	<b>R4758/SNT</b> <b>R4760/RARNT</b>	35 31	7 7	101.5 103.5	EE EE	45° 45°
1996 1996 2002	V6 V6 V6	Musso 3.2 i 24V Korando 3.2 i 24V Rexton 3.2 i 24V <b>Eng. E32</b> 3199 cc.	89.9	1110531101 1110501227 1110501427	IN EX	<b>R4758/SNT</b> <b>R4760/RARNT</b>	35 31	7 7	101.5 103.5	EE EE	45° 45°
1996 1997	4	Musso 2.3 i 16V Korando 2.3 i 16V <b>Eng. E23</b> 2295 cc.	90.9	1110531101 1110501227 1110501427	IN EX	<b>R4758/SNT</b> <b>R4760/RARNT</b>	35 31	7 7	101.5 103.5	EE EE	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11288</b> <b>G11299</b> <b>GS11288</b>	IN/EX IN/EX	35 35	6 6	12.56 12.61 12.56	G SM	C.I. C.I.
	<b>G11504</b> <b>G11643</b>	IN/EX IN/EX	34.5 34.5	5 5	10.56 10.56	G B	C.I. C.I.
	<b>G11504</b> <b>G11643</b>	IN/EX IN/EX	34.5 34.5	5 5	10.56 10.56	G B	C.I. C.I.
	<b>G11471</b> <b>G11628</b>	IN EX	40.5 50.5	5.5 5.5	11.07 11.07	B B	C.I. C.I.
	<b>G11398</b> <b>G11399</b> <b>GS11398</b>	IN/EX IN/EX	34.5 34.5	6 6	11.56 11.60 11.56	G SM	C.I. C.I.
	<b>G11398</b> <b>G11399</b> <b>GS11398</b>	IN/EX IN/EX	34.5 34.5	6 6	11.56 11.60 11.56	G SM	C.I. C.I.
1110531029	<b>G11039</b> <b>G11040</b> <b>G11041</b>	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.
1110531029	<b>G11039</b> <b>G11040</b> <b>G11041</b>	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.
1110531029	<b>G11039</b> <b>G11040</b> <b>G11041</b>	IN/EX	37.5	7	12.57 12.62 12.67	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0030</b> <b>RA06-907</b>	I
660 050 0133	<b>PI 06-0030</b> <b>RA06-941</b>	I
	<b>PI 06-0030</b> <b>RA06-970</b>	I
	<b>PI 06-0035</b>	I
	<b>PI 06-0035</b>	I
	<b>PI 06-0035</b>	I


**NOTE  
remarks**
**SMART**
**SMART DIESEL**
**SSANGYONG**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
<b>SSANGYONG DIESEL</b>											
1995	4	Korando 2.3 D Musso 2.3 D <b>Eng. OM601 - OM 661</b> 2298 cc.	89	6010531701 6010501227 6010502127	IN EX	<b>R4193/SCR</b> <b>R4194/BMCR</b>	38 35	8 9	106.4 106.4	EE EE	45° 45°
1995 1995	4	Korando 2.3 TD Musso 2.3 TD <b>Eng. OM 661</b> 2298 cc.	89	6010531701 6010501227 6010502127	IN EX	<b>R4193/SCR</b> <b>R4194/BMCR</b>	38 35	8 9	106.4 106.4	EE EE	45° 45°
1996 1995	4	Korando 2.9 D Musso 2.9 D <b>Eng. OM 662</b> 2874 cc.	89	6010531701 6010501227 6010502127	IN EX	<b>R4193/SCR</b> <b>R4194/BMCR</b>	38 35	8 9	106.4 106.4	EE EE	45° 45°
1998 1998 2001	4	Korando 2.9 TDI Musso 2.9 TDI Musso Sport 2.9 TDI <b>Eng. OM 602-OM 662</b> 2874 cc.	89	6010531701 6010501227 6010502127	IN EX	<b>R4193/SCR</b> <b>R4194/BMCR</b>	38 35	8 9	106.4 106.4	EE EE	45° 45°
2002	4	Rexton 2.9 TDI 10V <b>Eng. OM 662</b> 2874 cc.	89	6010531701 6010501227 6010502127	IN EX	<b>R4193/SCR</b> <b>R4194/BMCR</b>	38 35	8 9	106.4 106.4	EE EE	45° 45°
<b>SUBARU</b>											
2011 <b>NEW</b>	4	Trezia 1.3 16V <b>Eng. 1NR-FE</b> 1329 cc.	72.5	13711-47010 13715-47010	IN EX	<b>R6769/SNT</b> <b>R6770/RNT</b>	28.9 24.3	5.5 5.5	103.4 104.6	S S	45° 45°
1995	4	Justy 1.3 i 16V <b>Eng. G13BA</b> 1298 cc.	74	12911-82000 12915-82000	IN EX	<b>R4549/SNT</b> <b>R4550/RNT</b>	36 30	7 7	115.5 114.5	EE EE	45° 45°
2001	4	Justy 1.3 i 16V <b>Eng. G13BB</b> 1298 cc.	74	12911-71C00 12915-71C50	IN EX	<b>R6121/SNT</b> <b>R6122/RNT</b>	29.2 25	5.5 5.5	92.2 79.8	EE EE	45° 45°
2004	4	Justy G3X 1.3 i 16V <b>Eng. M13A</b> 1328 cc.		12911-54G00 12915-54G00 12915-54G50	IN EX	<b>R6212/SNT</b> <b>R6213/RNT</b>	30 25	5.5 5.5	101 99	EE EE	45° 45°
8/99	4	Impreza 1.6 16V <b>Eng. EJ16</b> 1597 cc.	87.9	13201-AA420 13202-AA430	IN EX	<b>R6076/SNT</b> <b>R6077/RNT</b>	32.5 28.5	5.9 5.9	120.6 121.7	E E	45° 45°
1998 2004	4	Forester 2.0 i 16V Legacy 2.0 i 16V <b>Eng. EJ20J</b> 1994 cc.	92	13201-AA351 13201-AA352 13202-AA361	IN EX	<b>R6443/SNT</b> <b>R6444/RNT</b>	34 30	5.9 5.9	120.6 121.7	S S	45° 45°
9/99 1999	4	Impreza 2.0 i 16V Legacy 2.0 i 16V <b>Eng. EJ20</b> 1994 cc.	92	13201-AA430 13202-AA440	IN EX	<b>R6068/RNT</b> <b>R6069/BMARNT</b>	34 31.9	5.9 5.9	120.6 104.7	E E	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
6010500624	<b>G3091</b> <b>G3370</b>	IN	39.5	8	14.07 14.12	G	C.I.-U
6010500924	<b>G3092</b> <b>G3373</b>	EX	37.3	9	14.07 14.12	G	C.I.
6010500624	<b>G3091</b> <b>G3370</b>	IN	39.5	8	14.07 14.12	G	C.I.-U
6010500924	<b>G3092</b> <b>G3373</b>	EX	37.3	9	14.07 14.12	G	C.I.
6010500624	<b>G3091</b> <b>G3370</b>	IN	39.5	8	14.07 14.12	G	C.I.-U
6010500924	<b>G3092</b> <b>G3373</b>	EX	37.3	9	14.07 14.12	G	C.I.
6010500624	<b>G3091</b> <b>G3370</b>	IN	39.5	8	14.07 14.12	G	C.I.-U
6010500924	<b>G3092</b> <b>G3373</b>	EX	37.3	9	14.07 14.12	G	C.I.
6010500624	<b>G3091</b> <b>G3370</b>	IN	39.5	8	14.07 14.12	G	C.I.-U
6010500924	<b>G3092</b> <b>G3373</b>	EX	37.3	9	14.07 14.12	G	C.I.
11122-31041	<b>G11595</b>	IN/EX	43.5	5.5	10.33	G	C.I.
11122-31041	<b>GS11595</b>	IN/EX	43.5	5.5	10.33	SM	C.I.
11115-82000-001	<b>G3277</b> <b>G3278</b>	IN/EX	48	7	12.07 12.12	G	L-X
11115-60B11	<b>G11280</b> <b>G11281</b>	IN/EX	32	5.5	11.07 11.12	G	C.I.
	<b>G11470</b>	IN/EX	40	5.5	10.57	G	C.I.-X
	<b>GS11470</b>	IN/EX	40	5.5	10.57	SM	C.I.-X
13212-AA040	<b>G11363</b>	IN/EX	52.5	6	11.08	G	L-X
13212-AA040	<b>G11363</b>	IN/EX	52.5	6	11.08	G	L-X
13212-AA040	<b>G11363</b>	IN/EX	52.5	6	11.08	G	L-X

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0036</b>	I
	<b>PI 06-0036</b>	I
	<b>PI 06-0036</b>	I
	<b>PI 06-0036</b>	I
	<b>PI 06-0036</b>	I
	<b>PI 06-0036</b>	I
	<b>PI 06-0054</b>	I
	<b>PI 06-0020</b>	I
	<b>PI 06-0020</b>	I
	<b>PI 06-0020</b>	I






 NOTE  
remarks

SSANGYONG DIESEL

SUBARU

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996	4	Impreza Turbo 16V <b>Eng. EJ20G</b> 1994 cc.	92								

## SUBARU DIESEL

2003	4	Justy 1.3 TDI 16V <b>Eng. Z13DT</b> 1248 cc. Eng. Euro 5	69.6		IN	<b>R6304/SCR</b>	21.9	6	109.2	I	45°
					EX	<b>R6305/BMCR</b>	21.9	6	109.2	I	45°
					IN	<b>R6636/SCR</b>	22.45	6	109.2	I	45°
					EX	<b>R6640/BMCR</b>	22.50	6	109.2	I	45°
	4	Trezza 1.4 D <b>Eng. 1ND-TV</b> 1364 cc.	73		IN	<b>R6320/SNT</b>	30.8	6	100	S	45°
					EX	<b>R6321/RNT</b>	28	6	99.8	S	45°

## SUZUKI

1983	3	Jimmy SJ30 4X4 <b>Eng. LJ50</b> 539 cc.	61	12911-84000 12915-84000	IN	<b>R4162/SNT</b>	31.5	7	110	EE	45°
					EX	<b>R4163/RNT</b>	27.6	7	109.5	EE	45°
1978	3	Alto - Carry - Cervo Fronte - SS40/41 ST40/41 <b>Eng. F5A</b> 543 cc.	62	12911-84000 12915-84000	IN	<b>R4162/SNT</b>	31.5	7	110	EE	45°
					EX	<b>R4163/RNT</b>	27.6	7	109.5	EE	45°
1978		Jimmy LJ 80/SJ 20 <b>Eng. F8A</b> 797 cc.	62	12911-84000 12915-84000	IN	<b>R4162/SNT</b>	31.5	7	110	EE	45°
					EX	<b>R4163/RNT</b>	27.6	7	109.5	EE	45°
1983 1985 1988	4	Jimmy SJ 40 1.0 Super Carry 1.0 Samurai 1.0 <b>Eng. F10A</b> 970 cc.	65.5	12911-82000 12915-82000	IN	<b>R4549/SNT</b>	36	7	115.5	EE	45°
					EX	<b>R4550/RNT</b>	30	7	114.5	EE	45°
1998	4	Wagon R 1.0 16V <b>Eng. K10A</b> 996 cc.	68	12911-73G00 12911-73G01 12915-73G00 12915-73G20	IN	<b>R6216/SNT</b>	24.6	5.5	80.2	EE	45°
					EX	<b>R6217/RNT</b>	21.5	5.5	81.3	EE	45°
2004	4	Alto 1.1 <b>Eng. RF410</b> 1061 cc.		12911-M84400 12911-M84420 12915-M84400 12915-M84440	IN	<b>R6445/SNT</b>	26.6	5.5	90.5	S	45°
					EX	<b>R6446/RNT</b>	23.5	5.5	78.20	S	45°
1998	4	Wagon R 1.2 <b>Eng. K12A</b> 1171 cc.	71	12911-73G00 12911-73G01 12915-73G00 12915-73G20	IN	<b>R6216/SNT</b>	24.6	5.5	80.2	EE	45°
					EX	<b>R6217/RNT</b>	21.5	5.5	81.3	EE	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
1321-2AA130	<b>G11276</b> <b>G11277</b>	IN	39.5	6	11.08 11.13	G	L-X-U
13213-AA120	<b>G11278</b> <b>G11279</b>	EX	47.5	6	11.08 11.13	G	L-X-U
46816601 46816602	<b>G11310</b> <b>G11311</b> <b>GS11310</b>	IN/EX IN/EX	43	6.02	10.03 10.07 10.03	G SM	L-X L-X
	<b>G11368</b>	IN/EX	40.6	6	11.04	G	L
	<b>G3276</b> <b>G3495</b>	IN/EX	54.5	6.99	12.12 12.17	G	L-X-U
	<b>G3276</b> <b>G3495</b>	IN/EX	54.5	6.99	12.12 12.17	G	L-X-U
	<b>G3276</b> <b>G3495</b>	IN/EX	54.5	6.99	12.12 12.17	G	L-X-U
11115-82000-001	<b>G3277</b> <b>G3278</b>	IN/EX	48	7	12.07 12.12	G	L-X
11115-73G01-001	<b>G11438</b>	IN/EX	29.4	5.5	10.57	G	L-X
11115-73G01-001	<b>G11438</b>	IN/EX	29.4	5.5	10.57	G	L-X

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0020</b>	I
46475925 73501138	<b>PI 06-0019</b> <b>RA06-900</b>	I
12841-77300	<b>RA06-908</b>	


 NOTE  
remarks





SUBARU

SUBARU DIESEL

SUZUKI

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2008	3	Splash 1.0 12V Alto 1.0 12V <b>Eng. K10B</b> 996 cc.	73	4708925 12911-M68K00-000 9319374 12911-51K00	IN	<b>R6611/SNT</b>	27.47	5.5	87.46	S	45°
2007 <b>NEW</b>	4	Splash 1.2 16V Swift 1.2 16V <b>Eng. K12B</b> 1242 cc.		4708933 12915-M68K00-000 93193762 95507147	EX	<b>R6612/RNT</b>	22.88	5.5	87.06	S	45°
					EX	<b>R6906/RARNT*</b>	22.90	5.5	87.05	S	45°
2010 2010 <b>NEW</b>	4	Swift IV 1.2 16V Splash 1.2 16V <b>Eng. K12B VVT</b> 1242 cc.	73	12911-69L00-000 12915-69L00-000 12915-69LG0-000 95508125	IN EX EX	<b>R6722/SNT</b> <b>R6723/RNT</b> <b>R6907/RARNT*</b>	27.50 22.90 22.90	5 5 5	87.50 87.10 87.10	S S S	45° 45° 45°
1983	3	Swift 1.0 <b>Eng. G10A/B</b> 993 cc.	74	12911-82000 12915-82000	IN EX	<b>R4549/SNT</b> <b>R4550/RNT</b>	36 30	7 7	115.5 114.5	EE EE	45° 45°
1984 1984 1988	4	Jimmy SJ 413 1.3 Swift 1.3 Samurai 1.3 <b>Eng. G13A</b> 1325 cc.	74	12911-82000 12915-82000	IN EX	<b>R4549/SNT</b> <b>R4550/RNT</b>	36 30	7 7	115.5 114.5	EE EE	45° 45°
1987 1995	4	Swift 1.3 i 16V Baleno 1.3 i 16V <b>Eng. G13B/BB</b>	74	12911-71C00 12915-71C50	IN EX	<b>R6121/SNT</b> <b>R6122/RNT</b>	29.2 25	5.5 5.5	92.2 79.8	EE EE	45° 45°
1999 1998 2000		Carry 1.3 i 16V Jimmy 1.3 i 16V Wagon R + 1.3 i 16V <b>Eng. G13BB</b> 1299 cc.									
1989	4	Vitara <b>Eng. G16A OHC</b> 1590 cc.	75	12911-60A10 12915-60A50	IN EX	<b>R4551/SNT</b> <b>R4552/RNT</b>	36.5 32.5	7 7	116 114.5	EE EE	45° 45°
1989	4	Swift GTi 16V <b>Eng. G13B</b> 1298cc.	75	12911-86500 12915-86500	IN EX	<b>R4742/SNT</b> <b>R4743/RNT</b>	29 24.1	5.5 5.5	105.3 104.5	EE EE	45° 45°
1995 1990	4	Baleno 1.6 i 16V Viatra 1.6 i 16V Gran Vitara 1.6 i 16V <b>Eng. G16B</b> 1590 cc.	75	12911-71C00 12915-71C50	IN EX	<b>R6121/SNT</b> <b>R6122/RNT</b>	29.2 25	5.5 5.5	92.2 79.8	EE EE	45° 45°
2000/04 2001 2005 2003/04 2001/04	4	Ignis 1.3 i 16V Liana 1.3 i 16V Swift 1.3 i 16V Wagon R+ 1.3 i 16V Jimmy 1.3 i 16V <b>Eng. M13A</b> 1328 cc.	78	12911-69G00 12915-69G50	IN EX	<b>R6210/SNT</b> <b>R6211/RNT</b>	30 25	6 6	100.8 99	EE EE	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004 2004 2004	4	Wagon R+ 1.3 i 16V Jimmi 1.3 i 16V Ignis 1.3 i 16V <b>Eng. M13A</b> 1328 cc.	78	12911-54G00 12915-54G00 12915-54G50	IN EX	<b>R6212/SNT</b> <b>R6213/RNT</b>	30 25	5.5 5.5	101 99	EE EE	45° 45°
2002/04	4	Liana 1.6 i 16V <b>Eng. M16A</b> 1586 cc.	78	12911-69G00 12915-69G50	IN EX	<b>R6210/SNT</b> <b>R6211/RNT</b>	30 25	6 6	100.8 99	EE EE	45° 45°
2004 2006 2005	4	Liana 1.6 i 16V SX4 1.6 VVTi 16V Vitara 1.6 i 16V <b>Eng. M16A</b> 1586 cc	78	12911-54G00 12915-54G00 12915-54G50	IN EX	<b>R6212/SNT</b> <b>R6213/RNT</b>	30 25	5.5 5.5	101 99	EE EE	45° 45°
1994	4	Baleno 1.8 16V <b>Eng. G18</b> 1840 cc.	84	12911-86FA0 12911-86F50 12915-86F50	IN EX	<b>R6214/SNT</b> <b>R6215/RNT</b>	33 28	6 6	86.3 85.9	EE EE	45° 45°





## SUZUKI DIESEL

2003 2008 2005	4	Wagon R+ 1.3 DDiS 16V Ignis 1.3 DDiS 16V Splash 1.3 DDiS 16V Swift 1.3 DDiS 16V <b>EnG. D13A</b> <b>Eng. Z13DT 16V</b> 1248 cc.	69.6	12911-85E00 12915-85E00 12911-68L10-000 12915-68L10-000	IN EX IN EX	<b>R6304/SCR</b> <b>R6305/BMCR</b> <b>R6636/SCR</b> <b>R6640/BMCR</b>	21.9 21.9 22.45 22.5	6 6 6 6	109.2 109.2 109.2 109.2	I I I I	45° 45° 45° 45°
2003	4	Jimny 1.5DDiS <b>Eng. K9K 8V</b> 1461 cc.	76	7701473184 7701473183	IN EX	<b>R6185/S</b> <b>R6186/BM</b>	33.5 29	6 6	100.95 100.75	I I	45° 45°
2004	4	Liana 1.4 DDiS 16V <b>Eng. RB414D - 8HY</b> 1398 cc.	73.7	12911-73J00 12915-73J00	IN EX	<b>R6395/SCR</b> <b>R6396/BMCR</b>	24.3 22.4	5.5 5.5	96.4 96.5	I I	45° 45°
2006	4	SX4 1.9 DDiS 4WD <b>Eng. D19AA</b> 1910 cc.	82		IN EX	<b>R4941/BMCR</b> <b>R4943/BMCR</b>	35.5 34.47	8 8	115.2 115.1	I I	45° 45°
1995/98	4	Vitara 1.9 D <b>Eng. XUD9A</b> 1905 cc.	83	12911-86CA0 12911-66G00 12832-66G00 12915-86CA0 12915-66G00	IN EX	<b>R4883/RCR</b> <b>R3988/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
1998	4	Baleno 1.9 TD Vitara 1.9 TD Samurai 1.9 TD <b>Eng. XUD9TE</b> 1905 cc.	83	12911-86CA0 12911-66G00 12832-66G00 12915-86CA0 12915-66G00	IN EX	<b>R4883/RCR</b> <b>R3988/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2001	4	Vitara 2.0 TDI <b>Eng. RHZ</b> 1998 cc.	85		IN EX	<b>R6092/SCR</b> <b>R6093/BMCR</b>	35.6	6	107.1	I	45°
							33.8	6	107.1	I	45°
2002	4	Gran Vitara 2.0 Hdi <b>Eng. RHW</b> 1997 cc.	85		IN EX	<b>R6161/SCR</b> <b>R6162/BMCR</b>	29.9	6	106.2	I	45°
							25	6	106.1	I	45°
1998	4	Gran Vitara 2.0 TD 1998 cc.	86	12911-78E00 12915-78E00	IN EX	<b>R6333/SNT</b> <b>R6334/RNT</b>	39.4	8	106.8		30°
							35.1	8	106.7		45°
1994	4	Vitara 2.0 TD <b>Eng. RF</b> 1998 cc.	86		IN EX	<b>R4390/SNT</b> <b>R4391/RNT</b>	41	8	107	EE	45°
							36	8	106.8	EE	45°

## TATA DIESEL

2002	4	Indica 1.4 <b>Eng. 475DL</b> 1405 cc.	75	279005125104 279005125105	IN EX	<b>R6498/SNT</b> <b>R6499/RNT</b>	36	7	109	E	45°
							30.5	7	109	E	45°
1997 1999	4	Sumo TD Safari TD Telcoline TD <b>Eng. 483DL</b> 1948 cc.	83	0948.59 0949.60	IN EX	<b>R4243/SCR</b> <b>R3988/RCR</b>	38.5	8	112.4	E	45°
							33	8	112	E	45°

## TOYOTA

1998	4	Yaris 1.0 <b>Eng. 1SZFE</b> 998 cc.	69	13711-23030 13711-97401 13711-0J010 13715-23030 13715-97401 13715-0J010	IN EX	<b>R6072/SNT</b>  <b>R6073/RNT</b>	26	5	88.2	E	45°
							22.6	5	89.1	E	45°
1984 1985/91	4	Starlet <b>Eng. 1EL3</b> 999 cc. Starlet - Corolla 12V <b>Eng. 2EI-2E</b> 1296 cc.	70.5 73	13712-10010 13711-10020 13715-10030	IN IN EX	<b>R4660/SNT</b> <b>R4664/SNT</b> <b>R4661/RNT</b>	20.9	6	98.6	E	45°
							30	6	92.4	E	45°
							31	6	92.3	E	45°
2006	3	Aygo 1.0 i vvt 12V Yaris 1.0 VTI 12V IQ 1.0 <b>Eng. 1KR-FE</b> 998 cc.	71	13711-40040 13715-40040	IN EX	<b>R6439/SNT</b> <b>R6440/RNT</b>	27.5	5	88.5	S	45°
							23.6	5	89.1	S	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11319</b> <b>G11320</b> <b>GS11319</b> <b>G11396</b> <b>G11397</b>	IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.
	<b>G11319</b> <b>G11320</b> <b>GS11319</b> <b>G11396</b> <b>G11397</b>	IN/EX IN/EX IN/EX IN/EX	41.5 41.5 42.5	6 6 6	10.06 10.11 10.06 12.06 12.11	G SM G	L L C.I.
11116-78E01	<b>G11186</b> <b>G11187</b>	IN	40	8	14.07 14.12	G	L
11115-78E00	<b>G11188</b> <b>G11189</b>	EX	46.5	8	14.07 14.12	G	L-U
	<b>G3596</b> <b>G3597</b>	IN EX	40.5 37.7	8.03 8.03	14.03 14.03	G G	L L
	<b>G11441</b> <b>G11442</b>	IN/EX	43.5	7	13.05 13.10	G	C.I.
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b>	IN/EX	52	8.02	14.05 14.10 14.15	B	L
11122-21010	<b>G11364</b>	IN/EX	34.5	5	9.74	G	L-X
11122-10040	<b>G3499</b> <b>G11190</b>	IN/EX	40.5	6	11.04 11.09	G	L-X
11122-21010	<b>G11364</b>	IN/EX	34.5	5	9.74	G	L-X

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b> <b>RA06-913</b>	I
	<b>PI 06-0039</b> <b>RA06-915</b>	I


**NOTE**  
remarks





**RA06-913**  
L46 DIA R 17MM

**RA06-915**  
L58.4

**SUZUKI DIESEL**
**TATA DIESEL**
**TOYOTA**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2014	3	Aygo 1.0 12V <b>Eng. 1KR-FE</b> 998 cc.	71		IN EX	<b>R6805/S</b> <b>R6806/RNT</b>	29.10 26.10	5 5	92.55 91.80	S S	45° 45°
2002	4	Yaris 1.3 16V <b>Eng. 2SZ-FE</b> 1298 cc.	72	13711-23030 13711-97401 13711-0J010 13715-23030 13715-97401 13715-0J010	IN EX	<b>R6072/SNT</b>  <b>R6073/RNT</b>	26 22.6	5 5	88.2 89.1	E E	45° 45°
2008	4	Auris 1.3 16V IQ 1.3 16V Corolla VII 1.3 16V Urban Cruiser 1.3 16V Verso S 1.3 VVTi 16V Yaris II 1.3 VVT 16V Yaris III 1.3 VVT 16V <b>Eng. 1NR-FE</b> 1329 cc.	72.5	13711-47010 13715-47010	IN EX	<b>R6769/SNT</b> <b>R6770/RNT</b>	28.9 24.3	5.5 5.5	103.4 104.6	S S	45° 45°
1998	4	Yaris 1.3 i 16V <b>Eng. 2NZ-FE</b> 1299 cc.	73	13711-21010 13715-21010	IN EX	<b>R6074/SNT</b> <b>R6075/RNT</b>	30.5 25.5	5 5	89.2 87.9	E E	45° 45°
1999 2001 2000	4	Yaris Verso 1.5 i 16V Yaris 1.5 16V <b>Eng. 1NZ-FE</b> Prius 1.5 i 16V <b>Eng. 1NZ-FXE</b> 1497 cc.	75								
1969/72	4	Publica - Starlet 1000 <b>Eng. 2K</b> 993 cc. Corolla - Publica Starlet 1200 1166 cc.	72 75	13711-24010 13715-24010	IN EX	<b>R3871/S</b> <b>R3872/RCR</b>	36 29	8 8	100 100	K K	45° 45°
2014	3	Aygo 1.2 12V <b>Eng. 1PP</b> 1199 cc.	75		IN EX IN EX	<b>R6805/S</b> <b>R6806/RNT</b> <b>R6952/S</b> <b>R6953/RNT</b>	29.10 26.10 27 24.20	5 5 5 5	92.55 91.80 92.60 93	S S S S	45° 45° 45° 45°





## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1974/77	4	Corolla 1200 HiLux LiteAce Publica 1200 Sprinter 1200 Starlet 1200 <b>Eng. 3K</b> 1166 cc.	75	13711-24011 13715-24012	IN EX	<b>R3873/S</b> <b>R3874/RCR</b>	36 29	8 8	100 100	M M	45° 45°
1978	4	Corolla 1300 LiteAce Sprinter 1300 Starlet 1300 <b>Eng. 4K</b> 1290 cc.									
2000	4	Corolla 1.4 Vti 16V	79	13711-0D020	IN	<b>R6070/SNT</b>	31	5.5	88.7	E	45°
2007	4	Auris 1.4 16V VVT-i <b>Eng. 4ZZ-FE</b> 1389 cc.		13711-22040 13715-22040 13715-0D020	EX	<b>R6071/RNT</b>	26	5.5	88.7	E	45°
2000	4	Avensis 1.6 i 16V Corolla 1.6 i 16V <b>Eng. 3ZZ-FE</b> 1598 cc.	79	13711-0D020 13711-22040 13715-22040 13715-0D020	IN EX	<b>R6070/SNT</b> <b>R6071/RNT</b>	31 26	5.5 5.5	88.7 88.7	E E	45° 45°
2000		Celica 1.8 i 16V VVT <b>Eng. 2ZZ-GE</b> 1794 cc.	79	13711-0D020 13711-22040 13715-22040 13715-0D020	IN EX	<b>R6070/SNT</b> <b>R6071/RNT</b>	31 26	5.5 5.5	88.7 88.7	E E	45° 45°
2000	4	Avensis 1.8 vvti 16V	79	13711-22030	IN	<b>R6599/SNT</b>	32	5.5	88.70	S	45°
1999		Celica 1.8 i VVT 16V		13715-22030	EX	<b>R6600/RNT</b>	27.5	5.5	88.70	S	45°
2002		Corolla 1.8 i VVT 16V									
2000		MR2 1.8 i VVT 16V									
2001		Rav4 1.8 i VVT 16V <b>Eng. 1ZZ-FE</b> 1794 cc.									
1970/79	4	Carina 1400 Corolla 1400 Celica 1400 Sprinter 1400 <b>Eng. T</b> 1407 cc.	80	13711-25011 13715-25011	IN EX	<b>R4530/SCR</b> <b>R4531/RCR</b>	41 36	8 8	109 109	M M	45° 45°
1970/76	4	Corona 1600 HiAce - HiLux ToyoAce - TownAce <b>Eng. 12R</b> 1587 cc.	80.5	13711-31030 13715-31030	IN EX	<b>R3875/S</b> <b>R3876/RCR</b>	40 34	8 8	109 109	K K	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1977	4	Corona 1600 HiAce - HiLux MarkII - ToyoAce TownAce <b>Eng. 12R</b> 1587 cc.	80.5	13711-31050 13715-31070	IN EX	<b>R3877/S</b> <b>R3878/RCR</b>	40 34	8 8	109 109	EE EE	45° 45°
1983	4	Carina 1500 <b>Eng. 5K</b> 1486 cc.	80.5	13711-24011 13715-24012	IN EX	<b>R3873/S</b> <b>R3874/RCR</b>	36 29	8 8	100 100	M M	45° 45°
2006	4	Auris 1.6 i 16V <b>Eng. 1ZRFE</b> 1598 cc.	80.5	13711-37020 13715-37030	IN EX	<b>R6560/SNT</b> <b>R6561/RNT</b>	32 27.5	5.5 5.5	109.4 108.3	S S	45° 45°
2009	4	Yaris 1.8 i 16V Avensis 1.8 i 16V Auris 1.8 i 16V <b>Eng. 2ZRFE</b> 1797 cc.									
1987 1989 1990	4	Corolla Sedan Celica Corolla Wagon <b>Eng. 4AF</b> 1587 cc.	81	13711-15050 13715-15030	IN EX	<b>R4748/SNT</b> <b>R4749/RNT</b>	29.9 24.5	6 6	91.5 92	EE EE	45° 45°
1997/00 1997 1997/00	4	Avensis 1.6 i 16V Carina 1.6 i 16V Corolla 1.6 i 16V <b>Eng. 4A-FE</b> 1587 cc.	81	13711-02050 13715-16060	IN EX	<b>R6125/SNT</b> <b>R6124/RNT</b>	31 24.5	6 6	87.5 87.9	EE EE	45° 45
1997/00 1997 1997/00 1997/00	4	Avensis 1.8 i 16V Carina 1.8 i 16V Celica 1.8 i 16V Corolla 1.8 i 16V <b>Eng. 7A-FE</b> 1762 cc.	81	13711-02050 13711-15090 13715-16060	IN EX	<b>R6125/SNT</b> <b>R6124/RNT</b>	31 24.5	6 6	87.5 87.9	EE EE	45° 45
1980	4	Corona 2000 <b>Eng. 21 RU</b> 1972 cc.	84	13711-35010 13711-35030	IN	<b>R6020/SNT</b>	45	8	113.3	M	45°
1980	4	Coaster <b>Eng. 22 R</b> 2366 cc.	92	13715-35020 13715-35030	EX	<b>R6021/RNT</b>	37	8	112.4	M	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
3122-23010	<b>G2748</b> <b>G3048</b>	IN/EX	50.5	8.01	14.04 14.09	G	L
11122-24020	<b>G2745</b> <b>G3049</b>	IN	46	8	13.06 13.11	G	L-X
11126-24020	<b>G2746</b> <b>G3050</b>	EX	50	8	13.06 13.11	G	L-X-U
11122-20020	<b>G11365</b>	IN/EX	34.5	5.5	10.34	G	L-X
11122-15030	<b>G11439</b>	IN/EX	38.4	6.01	11.05	G	L-X
11122-15030	<b>G11439</b>	IN/EX	38.4	6.01	11.05	G	L-X
11122-15030	<b>G11439</b>	IN/EX	38.4	6.01	11.05	G	L-X





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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0054</b>	I


**NOTE  
remarks**
**TOYOTA**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1983	4	TownAce <b>Eng. 1Y</b> 1626 cc. LiteAce - MasterAce <b>Eng. 2Y</b> 1812 cc. HiAce - HiLux MasterAce - TownAce <b>Eng. 3Y</b> 1998 cc.	86	13711-71010 13715-71010	IN EX	<b>R6025/SNT</b> <b>R6026/RNT</b>	40.1 36	8 8	108.3 108.6	EE EE	45° 45°
1984/89	4	Van - Wagon <b>Eng. 4YEC USA</b> 1998 cc.									
1997 1996 1998 1998	4	Avensis 2.0 i 16V Rav4 2.0 i 16V Carina 2.0 i 16V Picnic 2.0 i 16V <b>Eng. 3S-FE</b> 1998 cc.	86	13711-74101 13715-74100	IN EX	<b>R6126/SNT</b> <b>R6127/RNT</b>	32 27	6 6	97.5 98.5	EE EE	45° 45°
1997/00	4	Avensis 2.0 i 16V <b>Eng. 3S-FE</b> Japanese production 1998 cc.	86	13711-15090 13715-16060	IN EX	<b>R6123/SNT</b> <b>R6124/RNT</b>	31 24.5	6 6	87.5 87.9	EE EE	45° 45
2000	4	Rav4 2.0 16V Avensis Verso 2.0 16V <b>Eng. 1AZFE</b> 1998 cc.	86	13711-28010 13715-28010	IN EX	<b>R6294/SNT</b> <b>R6295/RNT</b>	33.9 29.5	5.5 5.5	101.7 101.1	EE EE	45° 45°
1996	V6	Camry 3.0 V6 <b>Eng. 1MZ-FE</b> 2995 cc.	87.5	13711-20020 13715-20020	IN EX	<b>R6641/SNT</b> <b>R6642/RNT</b>	34 27.3	5.5 5.5	95.2 95.3	S S	45° 45°

## TOYOTA DIESEL

2004	4	Corolla 1.4 D4-D <b>Eng. 1ND-TV</b> 1364 cc.	71	13711-33030 13715-33040	IN EX	<b>R6320/SNT</b> <b>R6321/RNT</b>	30.8 28	6 6	100 99.8	S S	45° 45°
2006	4	Auris 1.4 D-4D <b>Eng. 1ND-TV</b> 1364 cc.	71	13711-33030 13715-33040	IN EX	<b>R6320/SNT</b> <b>R6321/RNT</b>	30.8 28	6 6	100 99.8	S S	45° 45°
2001 2007	4	Yaris 1.4D-4D Auris 1.4D-4D <b>Eng. 1ND-TV</b> 1364 cc.	73	13711-33030 13715-33040	IN EX	<b>R6320/SNT</b> <b>R6321/RNT</b>	30.8 28	6 6	100 99.8	S S	45° 45°
2006	4	Aygo 1.4 D <b>Eng. 2WZ-TV DV4TD</b> 1398 cc.	73.7	SU001-00551 SU001-00552	IN EX	<b>R6149/SCR</b> <b>R6150/BMCR</b>	32.8 30.2	5.5 5.5	97.5 97.5	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
11122-74030 11122-16010	<b>G11505</b> <b>G11506</b>	IN EX	38.5 40.5	6 6	11.03 11.03	G G	L-X L-X
11122-74030 11122-16010	<b>G11505</b> <b>G11506</b>	IN EX	38.5 40.5	6 6	11.03 11.03	G G	L-X L-X
	<b>G11366</b> <b>G11538</b> <b>G11367</b> <b>G11539</b>	IN EX	38.5 40.5	5.5 5.5	10.05 10.35 10.05 10.35	G G	L-X L-X L-X
11122-30020	<b>G11368</b>	IN/EX	40.6	6	11.04	G	L-X
11122-30020	<b>G11368</b>	IN/EX	40.6	6	11.04	G	L-X
11122-30020	<b>G11368</b>	IN/EX	40.6	6	11.04	G	L-X
	<b>G11413</b> <b>G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L





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ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
SU001-00557	<b>PI 06-0019</b> <b>RA06-914</b>	I


**NOTE  
remarks**
**TOYOTA**
**TOYOTA DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2018 <b>NEW</b>	4	Proace 1.5 D4d <b>Eng. 5WZ-HV-DV5RUC</b> 1499 cc.	75	3553632 9814152480 9814152380 938084780 3553641	IN EX	<b>R8017/SCR</b> <b>R8022/RCR</b>	25.40 22.06	5.5 5.5	95.38 94.81	I I	45° 45°
1999 1999 2001 2001	4	Avensis 2.0 D4-D 16V Corolla 2.0 D4-D 16V Previa 2.0 D4-D 16V Rav 4 2.0 D4-D 16V <b>Eng. 1CD-FTV</b> 1995 cc.	82.2	13711-27010 13715-27010	IN EX	<b>R6183/RNT</b> <b>R6184/RNT</b>	28 24	6 6	102.5 102	S S	45° 45°
1999	4	Corolla 1.9 D <b>Eng. 1WZ</b> 1868 cc.	82.2		IN EX	<b>R4243/SCR</b> <b>R4810/RCR</b>	38.5 33	8 8	112.4 112	E E	45° 45°
1981/85	4	Camry1800 D Corolla 1800 D Corona 1800 D TownAce 1800 D Vista 1800 D <b>Eng. 1C</b> 1974 cc.	83	13711-64010 13715-64010	IN EX	<b>R4444/SNT</b> <b>R4445/RNT</b>	38.5 32.5	8 8	106.5 106.5	EE EE	45° 45°
1983/85	4	TownAce 2000 D <b>Eng. 2C</b> 1974 cc.	86								
2006  2006	4	Auris 2.0 16V D-4D <b>Eng. 1ADFTV</b> 1998 cc. Avensis 2.2 16V D-4D Auris 2.2 16V D-4D Rav4 2.2 16V D-4D Corolla Verso 2.2 16V D-4D <b>Eng. 2ADFTV</b> 2230 cc.	86	13711-0R010 13715-0R010	IN EX	<b>R6562/SNT</b> <b>R6563/RNT</b>	30 27	6 6	104.5 104.1	S S	45° 45°
1977/89	4	Hi-Ace 2.2 D <b>Eng. L</b> 2173 cc.	90	13711-54020 13711-17010 13714-54040 13715-17010	IN EX	<b>R6314/SNT</b> <b>R6414/RNT</b>	42.4 36.1	8 8	103.3 103.3	S S	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11413</b> <b>G11414</b> <b>GS11413</b>	IN/EX IN/EX	34 34	5.5 5.5	9.54 9.59 9.54	G SM	L L
11122-27010	<b>G11369</b>	IN/EX	40.6	6	11.04	G	L-X
0220.75	<b>G3163</b> <b>G3164</b> <b>G3165</b> <b>G3528</b> <b>G11025</b>	IN/EX IN/EX	52 48	8.02 8.02	14.05 14.10 14.15 14.05 14.10	B B	L C.I.
11126-24020	<b>G2746</b> <b>G3050</b>	IN/EX	50	8	13.06 13.11	G	L-X-U
11122-30020	<b>G11368</b>	IN/EX	40.6	6	11.04	G	L-X
11122-68010	<b>G11249</b> <b>G11250</b>	IN/EX	40	8.01	13.04 13.09	G	L-X





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RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I


**NOTE  
remarks**
**TOYOTA DIESEL**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1978	4	Chaser 2200 D Cresta 2200 D Crown 2200 D HiAce D - HiLux D ToyoAce D <b>Eng. L</b> 2188 cc.	90	13711-54010 13715-54010	IN EX	<b>R4399/SNT</b> <b>R4400/RNT</b>	42.6 35	8.5 8.5	123 122.8	I I	45° 45°
1983	4	Chaser 2400 D Crown 2400 D Mark II 2400 D <b>Eng. 2L</b> 2446 cc.	92								
1990	4	4 Runner 2.4 TD <b>Eng. 2LT</b> Hi-Lux 2.4 D/TD Land Cruiser 2.4 D/TD	92	13711-54010 13715-54010	IN EX	<b>R4399/SNT</b> <b>R4400/RNT</b>	42.6 35	8.5 8.5	123 122.8	I I	45° 45°
1985/95		Hi-Ace 2.4 <b>Eng. 2L-2LT</b> Head wirh 3 supports camshaft 2446 cc.									
1990	4	4 Runner 2.4 TD Hi-Lux 2.4 D/TD Land Cruiser 2.4 D/TD <b>Eng. 2L-2LT</b> Head wirh 5 supports camshaft 2446 cc.	92	13711-54020 13714-54040	IN EX	<b>R6314/SNT</b> <b>R6414/RNT</b>	42.4 36.1	8 8	103.3 103.3	S S	45° 45°
	4	Hi-Lux 2.5D-4D <b>Eng. 2KD-FTV</b> 2494 cc.	92	13711-30040 13715-30040	IN EX	<b>R6622/SNT</b> <b>R6623/RNT</b>	30.5 26.5	6 6	105.6 105.8	S S	45° 45°
1998	6	Land Cruiser 4.2 TDI 24V <b>Eng. 1HD-FTE</b> 4164 cc.	94								
1972/80	4	Coaster - Dyna Route <b>Eng. B</b> 2977 cc.	95	13711-56010 13715-56010	IN EX	<b>R4665/SNT</b> <b>R4666/RNT</b>	45 37.5	9 9	128 127.9	M M	45° 45°
1980	4	Coaster Dyna D Landcruiser D ToyoAce D <b>Eng. B</b> 3168 cc.	95	13711-56030 13715-56030	IN EX	<b>R4667/SNT</b> <b>R4668/RNT</b>	45 37.5	9 9	128 127.7	E E	45° 45°
1977	4	Coaster Landcruiser D <b>Eng. 2B</b> 3168 cc.	98								



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1988	4	Dyna 150 2.8 TD <b>Eng. 3L</b> 2778 cc.	96	13711-54020 13714-54040	IN EX	<b>R6314/SNT</b> <b>R6414/RNT</b>	42.4	8	103.3	S	45°
							36.1	8	103.3	S	45°
1993/96	4	4 Runner 3.0 TD Land Cruiser 3.0 TD <b>Eng. 1KZ-T</b>	96	13711-54020 13715-67020	IN EX	<b>R6314/SNT</b> <b>R6315/RNT</b>	42.4	8	103.3	S	45°
							37	8	103.5	S	45°
1996/01		Land Cruiser 3.0 TD <b>Eng. 1KZ-TE</b> 2982 cc.		13711-54040 13715-67040	IN EX	<b>R6660/RNT</b> <b>R6661/BMCR</b>	42.4 27	8 8	104.3 104.3	S S	45° 45°
2000	4	Land Cruiser 90 16V Land Cruiser 120 16V Hi-Lux 3.0D <b>Eng. 1KD-FTV</b> 2982 cc.	96	13711-30030 13715-30030	IN EX	<b>R6316/SNT</b> <b>R6317/RNT</b>	32.2	6	105.4	S	45°
							27.7	6	105.4	S	45°

## V.M

		<b>Eng. SUN</b>		20362005F 20370024A	IN EX	<b>MI5189/BMCR</b> <b>MI5190/BMCR</b>	48 41	9 9	121 121	E E	30° 45°
	6	<b>Eng. H1306 TURBO</b>		20360016A	IN	<b>MI5202/BMCR</b>	55.5	11	156	E	45°
	8	<b>Eng. H1308 TURBO</b>		20370014A	EX	<b>MI5203/BMCR</b>	47.5	11	156	E	45°
	10	<b>Eng. H1310 TURBO</b>									
	12	<b>Eng. H1312 TURBO</b>									





## VOLKSWAGEN

1996/99	4	Polo 1.0 i Lupo 1.0 i <b>Eng. AER - ALL</b> 999 cc.	67.1	030 109 601AG 030 109 611N	IN EX	<b>R4964/S</b> <b>R4965/R</b>	31	7	94.8	I	45°
							26	7	94.4	I	45°
1998 1999/02	4	Lupo 1.0 i Polo 1.0 i <b>Eng. ALD - AUC - ANV</b> 999 cc.	67.1	030 109 601AK 030 109 611S	IN EX	<b>R6351/S</b> <b>R6352/R</b>	31 26	6 6	99 98.9	I I	45° 45°
1975/79 1977/79	4	Polo GL - L Derby GL - L 895 cc.	69.5	052 109 601 052 109 611	IN EX	<b>R3477/S</b> <b>R3478/R</b>	31.5	8	104	EE	45°
1974/79 1975/79 1975/84 1977/79							28	8	104	EE	45°
1994	4	Derby C - CL - GL Golf GL - CL Formel E Polo GL - CL Formel E Scirocco C - GL - CL 1093 cc.	69.5	036 109 601B 036 109 601C 052 109 611A	IN IN EX	<b>R3763/S</b> <b>R3726/S</b> <b>R3727/R</b>	34	8	104	I	45°
							31.5	8	104	I	45°
							28	8	104	I	45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2010	4	Caddy 1.2 TSI Golf VI 1.2 TSI Golf Plus 1.2 TSI	71	03F 109 601A 03F 109 611B 03F 109 611C	IN EX	<b>R6718/S</b> <b>R6719/RCR</b>	35.5 30	6 6	98.65 98.35	I I	45° 45°
2009 2010		Polo 1.2 TSI Touran 1.2 TSI Beetle 1.2 TSI Jetta 1.2 TSI <b>Eng. CBZA-CBZB</b> 1197 cc.									
2012 <b>NEW</b>	4	Golf VII 1.2 TSI Touran 1.2 TSI <b>Eng. CJZA-CJZB-CYVA</b> CYVB 1197 cc.	71	04E109601A 04E109611K	IN EX	<b>R6837/S</b> <b>R6838/RCR</b>	26.45 23.46	5 5	110.3 110	I I	45° 30°
2014 <b>NEW</b>	3	Polo - UP 1.0 <b>Eng. CHYA</b> 999 cc.	74.5	04E109601A 04E109611K	IN EX	<b>R6837/S</b> <b>R6838/RCR</b>	26.45 23.46	5 5	110.3 110	I I	45° 30°
2014 <b>NEW</b>	3	Golf VII 1.0 TSI <b>Eng. CHZD</b> 999 cc.	74.5	04E109601B 04E109611J	IN EX	<b>R6839/S</b> <b>R6840/RCR</b>	28.43 29.43	5 5	110.2 110.2	I I	45° 30°
2014 <b>NEW</b>	3	UP 1.0 CNG <b>Eng. CPGA</b> 999 cc.	74.5	04C109601C 04C109611A	IN EX	<b>R8030/SARNT</b> <b>R8031/BMARNT</b>	29.5 26.95	5 5	110.24 110.15	I I	45° 30°
2012 <b>NEW</b>	4	Golf VII 1.4 TSI Polo 1.4 TSI Scirocco 1.4 TSI Jetta IV 1.4 TSI Hybrid	74.5	04E109601B 04E109611J	IN EX	<b>R6839/S</b> <b>R6840/RCR</b>	28.43 29.43	5 5	110.2 110.2	I I	45° 30°
2015 2016		Passat 1.4 TSI Tiguan 1.4 TSI <b>Eng. CHPA-CHPB-CMBA</b> <b>CNLA-CPTA</b> <b>CRJA-CUKA</b> <b>CXSA-CXSB-CZEA</b> 1395 cc.									
2013 <b>NEW</b>	4	Golf VII 1.4 TGI <b>Eng. CPWA</b> 1395 cc.	74.5	04E109601P 04E109611AC 04E109611AJ	IN EX	<b>R8034/SNT</b> <b>R8033/BMARNT</b>	28.5 24.97	5 5	110.26 110.11	I I	45° 30°
2015 <b>NEW</b>	4	Passat 1.4 GTE Hybrid <b>Eng. DGEB-DJKA</b> 1395 cc.	74.5	04E109601B 04C109611C	IN EX	<b>R6839/S</b> <b>R8036/BMARNT</b>	28.43 25	5 5	110.2 115.15	I I	45° 30°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11617</b> <b>G11618</b>	IN/EX	45	5	10.06 10.11	B	C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11617</b> <b>G11618</b>	IN/EX	45	5	10.06 10.11	B	C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.
	<b>G11617</b> <b>G11618</b>	IN/EX	45	5	10.06 10.11	B	C.I.
	<b>G11615</b> <b>G11616</b> <b>GS11615</b> <b>G11617</b> <b>G11618</b>	IN/EX IN/EX IN/EX	45 45 45	5 5 5	10.06 10.11 10.06 10.06 10.11	G SM B	C.I. C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
030 109 423	<b>RA06-971</b> <b>PI 06-0008</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
04E109411H 04E109423C	<b>RA06-959</b> <b>PI 06-0056</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
04E109411L 04E109411H 04E109423C	<b>RA06-980*</b> <b>RA06-959</b> <b>PI 06-0056</b>	I
04E109411H	<b>RA06-959</b> <b>PI 06-0019</b>	I
04E109411H 04E109423C	<b>RA06-959</b> <b>PI 06-0056</b>	I


**NOTE**  
remarks

**VOLKSWAGEN**
**RA06-980\***  
ONLY Eng. CPTA  
CZEA

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2017	4	Tiguan 1.4 TSI <b>Eng. CWLA</b> 1395 cc.	74.5	04C109601D 04C109611B	IN EX	<b>R8034/SNT</b> <b>R8035/BMNT</b>	28.47 24.98	5 5	110.27 110.08	I I	45° 30°
11/2018 <b>NEW</b>	4	Touran 1.5 TFSI <b>Eng. DADA -DPCA</b> <b>EA211EVO Turbo</b> 1495 cc.	74.5	04E109601AB 05E109611B	IN EX	<b>R6996/S</b> <b>R6997/BMNT</b>	28.95 25	5 5	112.7 110.2	I I	45° 30°
10.90/91 10.90/92 1985/94	4	Golf 1050 Polo 1.0 Polo 1.0 i <b>Eng. HZ-AAK-ACM</b> 1043 cc.	75	030 109 601D/F 030 109 601E 030 109 611A	IN IN EX	<b>R4645/SCR</b> <b>R4646/SCR</b> <b>R4367/R</b>	36 32 28.9	8 8 8	99.3 99.3 99.1	I I I	45° 45° 45°
1989/07-94	4	Polo 1.0 i <b>Eng. AAU</b> Until chassi n.80-NW-500000 1043 cc.	75	030 109 601E 030 109 611A	IN EX	<b>R4646/SCR</b> <b>R4367/R</b>	32 28.9	8 8	99.3 99.1	I I	45° 45°
08-94	4	Polo 1.0 i <b>Eng. AAU</b> From chassi n.80-NW-50001 1043 cc.	75	030 109 601M/N 030 109 611D	IN EX	<b>R4886/S</b> <b>R4803/R</b>	32 29	7 7	99.2 99.2	I I	45° 45°
1994/96	4	Polo 1.0 i <b>Eng. AEV</b> 1043 cc.	75	030 109 601M/N 030 109 611D	IN EX	<b>R4886/S</b> <b>R4803/R</b>	32 29	7 7	99.2 99.2	I I	45° 45°
1981	4	Derby C - CL - GL Polo C - CL - GL 1050 cc.	75	036 109 601A 036 109 611	IN EX	<b>R3976/S</b> <b>R3977/R</b>	34 28	8 8	110.5 110.5	I I	45° 45°
1977/79 1978/79	4	Derby LS - GLS Polo LS - GLS 1272 cc.	75	052 109 601 052 109 611	IN EX	<b>R3477/S</b> <b>R3478/R</b>	31.5 28	8 8	104 104	EE EE	45° 45°
1981	4	Derby LS - GLS Golf L - LS - GL - GLS Jetta L - LS - GL - GLS Passat L - GL Polo LS - GLS Scirocco L - GL - GT 1272 cc.	75	036 109 601B 052 109 611A	IN EX	<b>R3763/S</b> <b>R3727/R</b>	34 28	8 8	104 104	I I	45° 45°
1983	4	Derby C - CL - GL Golf C - CL-GL Formel E Polo C - CL - GL Polo GT Coupé 1272 cc.	75	036 109 601A 036 109 611	IN EX	<b>R3976/S</b> <b>R3977/R</b>	34 28	8 8	110.5 110.5	I I	45° 45°
1983	4	Jetta C - CL - GL Passat C - L 1297 cc.	75	049 109 601F 049 109 611F	IN EX	<b>R3728/S</b> <b>R3729/R</b>	34 31	8 8	98.7 98.5	I I	45° 45°





## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1985	4	Golf CL - GL Jetta CL -GL Polo C 1043 cc. Golf CL - GL Jetta CL -GL	75	030 109 601C 030 109 611A	IN EX	<b>R4368/S</b> <b>R4367/R</b>	36 28.9	8 8	98.9 99	I I	45° 45°
1985/87		Polo C - CL - GL - GT 1272 cc.									
1973/78	4	Pssat L - N - GL 1272 cc.	75	056 109 601A 056 109 601C	IN	<b>R3536/S</b>	34	8	98.7	EE	45°
1974/75		Scirocco Golf S - LS - GL	76.5	056 109 611A	EX	<b>R3537/R</b>	31	8	98.5	EE	45°
1973/75		Passat GL - LS - S - TS Scirocco GL - LS - TS 1471 cc.									
1989/94	4	Polo 1.3 i <b>Eng. 2G-3F-NZ-AAV</b> Until chassi n.80-NW-500000 1272 cc.	75	030 109 601D/F 030 109 611A	IN EX	<b>R4645/SCR</b> <b>R4367/R</b>	36 28.9	8 8	99.3 99.1	I I	45° 45°
1989/94	4	Polo 1.3 i <b>Eng. 2G-3F-NZ-AAV</b> From chassi n.80-NW-50001 1272 cc.		030 109 601L 030 109 611D	IN EX	<b>R4802/S</b> <b>R4803/R</b>	36 29	7 7	99.3 99.2	I I	45° 45°
1991/07-94 1992/07-94	4	Golf 1.4 i Vento 1.4 i <b>Eng. ABD</b> 1390 cc.	75	030 109 601D/F 030 109 601E 030 109 611A	IN IN EX	<b>R4645/SCR</b> <b>R4646/SCR</b> <b>R4367/R</b>	36 32 28.9	8 8 8	99.3 99.3 99.1	I I I	45° 45° 45°
08-94/99 08-94/99	4	Golf 1.4 i Vento 1.4 i <b>Eng. ABD</b> 1390 cc.	75	030 109 601L 030 109 601G 030 109 611D	IN IN EX	<b>R4802/S</b> <b>R4873/S</b> <b>R4803/R</b>	36 34 29	7 7 7	99.3 99 99.2	I I I	45° 45° 45°
2002 2005	3	Polo 1.2 i Fox 1.2 i <b>Eng. AWY-BMD</b> 1198 cc.	76.5	032 109 601L 030 109 611T	IN EX	<b>R6452/S</b> <b>R6198/BM</b>	34.5 28	6 6	99.1 99.2	I I	45° 45°
2002	3	Polo 1.2 i 12V <b>Eng. AZQ-BME</b> 1198 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
1994/99 1993/99 1997 1995/97	4 4 4 4	Polo 1.4 i Golf 1.4 i Caddy 1.4 i Vento 1.4 i <b>Eng. AEX - AKV -AEF</b> <b>Eng. APQ</b> 1390 cc.	76.5	030 109 601AH 032 109 611G	IN EX	<b>R4952/S</b> <b>R4805/R</b>	35.6 29	7 7	94.8 95	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	<b>G3061</b> <b>G3062</b>	EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	<b>G3535</b> <b>G11197</b>	IN/EX	36.5	7	11.06 11.16	B	C.I.
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	<b>G3535</b> <b>G11197</b>	IN/EX	36.5	7	11.06 11.16	B	C.I.
030 103 419A	<b>G11194</b> <b>G11195</b>	IN/EX	36.5	6.98	11.07 11.12	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
032 103 419A	<b>G11181</b> <b>G11182</b> <b>G11183</b>	IN/EX	33	6.98	11.07 11.12 11.27	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**




N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
030 109 411 030 109 411B 030 109 417B 030 109 417D	<b>PI 06-0008</b> <b>RA06-939</b>	I
	<b>PI 06-0008</b> <b>RA06-938</b>	I
034 109 309N	<b>PI 06-0001</b>	I


 NOTE  
remarks

VOLKSWAGEN

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
1996	4	Polo 1.4 16V <b>Eng. AFH</b> 1390 cc.	76.5	036 109 601P 036 109 611L	IN EX	<b>R4966/S</b> <b>R4967/R</b>	29.5 26	6 6	98 97.2	I I	45° 45°
1998 1997 1998  2000/04  1998  2001	4	Lupo 1.4 i 16V Golf 1.4 i 16V Bora 1.4 i 16V <b>Eng. AHW-AKQ-AUA</b> <b>Eng. AUB-BBY</b> Caddy 1.4 i 16V <b>Eng. AUA</b> Polo 1.4 i 16V <b>Eng. AFK-AHW-AQQ-</b> AUA-AUB Polo 1.4 i 16V <b>Eng. AXU-BBY-BBZ-BKY</b> 1390 cc.	76.5	036 109 601S 036 109 611K	IN EX	<b>R6013/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
1995/04 1995/01 2000	4	Caddy 1.4 i 16V Polo 1.4 i 16V Lupo 1.4 i 16V <b>Eng. AUD - AKK - AKP</b> 1390 cc.	76.5	030 109 601AL 030 109 611T	IN EX	<b>R6197/S</b> <b>R6198/BM</b>	33.5 28	6 6	99.2 99.2	I I	45° 45°
1995/04 1995/01 2000	4	Caddy 1.4 i 16V Polo 1.4 i 16V Lupo 1.4 i 16V <b>Eng. AUD - AKK - AKP</b> 1390 cc.	76.5	030 109 601AL 030 109 611T	IN EX	<b>R6197/S</b> <b>R6198/BM</b>	33.5 28	6 6	99.2 99.2	I I	45° 45°
2003 2006	4	Golf 1.4 16V FSI Touran 1.4 16VFSI <b>Eng. BKG-BUD-BMY</b> <b>Eng. BLG</b> 1390 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°
2005	4	Fox 1.4 i 16V <b>Eng. BKR</b> 1390 cc.	76.5	032 109 601L 032 109 611L	IN EX	<b>R6452/S</b> <b>R6198/BM</b>	34.5 28	6 6	99.1 99.2	I I	45° 45°
2007	4	Tiguan 1.4 TSI 16V <b>Eng. BWK-CAVA</b> 1390 cc.	76.5	036 109 601AD 036109601AL 036 109 611K	IN IN EX	<b>R6205/S</b> <b>R6827/S</b> <b>R6014/BM</b>	29.5 29.45 26	6 6 6	100.9 100.75 100.57	I I I	45° 45° 45°
2008 2008 2008 2008	4	Scirocco 1.4 TSI 16V Eos 1.4 TSI 16V Jetta 1.4 TSI 16V Golf VI 1.4 TSI 16V <b>Eng. CAVD</b> 1390 cc.	76.5	036 109 601AD 036 109 611AE	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5 26	6 6	100.9 100.57	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
	<b>G11592*</b>	IN/EX	36	6	11.06	G	C.I.
	<b>G11582 G11583</b>	IN/EX	39	5.98	11.06 11.11	B	C.I.
	<b>G11499 G11502</b>	IN/EX	39	5.98	11.06 11.11	G	C.I.
	<b>G11546</b>	IN/EX	39	5.97	11.07	SM	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0008 RA06-938</b>	I
059 109 521C 059 109 521B 030 109 411 030 109 411B 030 109 417B 030 109 417D	<b>PI 06-0008 RA06-939</b>	I
059 109 521C 059 109 521B 030 109 411 030 109 411B 030 109 417B 030 109 417D	<b>PI 06-0008 RA06-939</b>	I
	<b>PI 06-0008 RA06-938 RA06-948</b>	I
	<b>PI 06-0008 RA06-938</b>	
030 109 423	<b>PI 06-0008 RA06-948</b>	I
030 109 423	<b>PI 06-0008 RA06-948</b>	I






**NOTE  
remarks**
**G11592\***  
CAST IRON VERSION

**RA06-938**  
Only Eng. BKG

**VOLKSWAGEN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓								
							D	d	L						
2009	4	Passat 1.4 TSI Ecofuel Touran 1.4 TSI Ecofuel <b>Eng. CDGA</b> 1390 cc.	76.5	03C 109 601L 03C 109 611Q	IN EX	<b>R6776/SARNT</b> <b>R6777/BMARNT</b>	29.5	6	100.7	I	45°				
							26	6	100.7	I	45°				
1994	4	Polo 1.6 i	76.5	032 109 601G	IN	<b>R4804/S</b>	34.6	7	94.8	I	45°				
1994/97		Vento 1.6 i		030 109 601AH	IN	<b>R4952/S</b>	35.6	7	94.8	I	45°				
1994/97		Golf 1.6 i <b>Eng. AEA-ABU-AEE-AHS</b> 1598 cc.		032 109 611G	EX	<b>R4805/R</b>	29	7	95	I	45°				
1995	4	Caddy 1.6 <b>Eng. 1F</b> 1598 cc.	76.5	048 109 601E 048 109 611B	IN EX	<b>R6451/S</b> <b>R4807/R</b>	38	7	91.8	I	45°				
							32.9	7	91.2	I	45°				
1995	4	Caddy 1.6 i <b>Eng. AEE</b> 1598 cc.	76.5	032 109 601G 030 109 601AH 032 109 611G	IN IN EX	<b>R4804/S</b> <b>R4952/S</b> <b>R4805/R</b>	34.6	7	94.8	I	45°				
							35.6	7	94.8	I	45°				
							29	7	95	I	45°				
1998		Polo 1.6 i 16V <b>Eng. ARC-AJV</b> 1598 cc.	76.5	036 109 601S 036 109 611K	IN EX	<b>R6013/S</b> <b>R6014/BM</b>	29.5	6	100.9	I	45°				
							26	6	100.57	I	45°				
1999	4	Golf 1.6 i 16V Bora 1.6 i 16V <b>Eng. ATN-AUS-AZD</b> 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5	6	100.9	I	45°				
1999							26	6	100.57	I	45°				
2002	4	Golf 1.6 FSI 16V Bora 1.6 FSI 16V <b>Eng. BAD</b> 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5	6	100.9	I	45°				
2003							26	6	100.57	I	45°				
2003	4	Golf 1.6 FSI 16V Passat 1.6 FSI 16V Touran 1.6 FSI 16V Jetta 1.6 FSI 16V Eos 1.6 FSI 16V Polo 1.6 FSI 16V <b>Eng. BAG-BLF-BLP-BTS</b> 1598 cc.	76.5	036 109 601AD 036 109 611K	IN EX	<b>R6205/S</b> <b>R6014/BM</b>	29.5	6	100.9	I	45°				
2005							26	6	100.57	I	45°				
2003															
2005															
2006															
2006															
1960	4	1200 - 1200A 113 - 117 - 141 - 151 Transporter 211 1192 cc.	77	113 109 601A 113 109 612 113109611C/D	IN EX	<b>R1228/S</b> <b>R1229/R</b>	31.5	8	112	I	45°				
							30	8	112	I	45°				
1972	4	1300 L - 1302 - 1303 L 1285 cc.	77	311 109 601 311 109 612 311 109 612A	IN EX	<b>R1417/S</b> <b>R3006/RCR</b>	35.5	8	112	I	45°				
							32	8	112	I	45°				
1974/81	4	Golf GLS - LS - S Scirocco GL - GT - LS 1457 cc.	79.5	056 109 601A 056 109 601C 056 109 611A	IN EX	<b>R3536/S</b> <b>R3537/R</b>	34	8	98.7	EE	45°				
1975/80							31	8	98.5	EE	45°				
		Passat GLS - LS - S Scirocco GL - GT - LS 1588 cc.													



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
1981	4	Golf C - CL - GL Jetta C - CL - GL - GLS Scirocco GL - GLS - GT Passat CL-GL-Formel E Passat Variant 1457 cc.	79.5	049 109 601F	IN	<b>R3728/S</b>	34	8	98.7	I	45°	
				049 109 611F	EX	<b>R3729/R</b>	31	8	98.5	I	45°	
1975/82	4	Golf GLI - GTI Jetta GLI - GTI Scirocco GLI - GTI 1588 cc.	79.5	049 109 601A	IN	<b>R3611/XB</b>	38	8	105.5	EE	45°	
				049 109 611A	EX	<b>R3612/RAR</b>	31	8	105.5	EE	45°	
1981	5	Passat CL5 - GL5 Santana CL5 - GL5 1921 cc.	79.5	035 109 601C	IN	<b>R4111/S</b>	38	8	98.5	I	45°	
				035 109 611F	EX	<b>R4202/RCR</b>	33	8	98.5	I	45°	
08-95/92 08-95/91 1985/88 08-95/91 08-95/92	4	Golf 1.6 Jetta 1.6 Passat 1.6 Scirocco 1.6 Caddy 1.6 <b>Eng. EW-EZ-HM-HN</b> <b>Eng. RF-RL</b> 1595 cc.	81	035 109 601K	IN	<b>R4641/SCR</b>	38	8	91.9	I	45°	
				048 109 611 A	EX	<b>R4642/BMARCR</b>	33.2	8	91.2	I	45°	
1987/88		Passat 1.6 <b>Eng. PP</b> 1595 cc.	81	035 109 601K	IN	<b>R4641/SCR</b>	38	8	91.9	I	45°	
				048 109 611 A	EX	<b>R4642/BMARCR</b>	33.2	8	91.2	I	45°	
1988/92	4	Passat 1.6 <b>Eng. EZ</b> 1595 cc.	81	035 109 601K	IN	<b>R4641/SCR</b>	38	8	91.9	I	45°	
				053 109 611	EX	<b>R4642/BMARCR</b>	33.2	8	91.2	I	45°	
1994/95 1994 1994/98	4	Passat 1.6 i Vento 1.6 i Golf 1.6 i <b>Eng. AEK</b> <b>Until eng. N. 000813</b> 1595 cc.	81	048 109 601 A	IN	<b>R4643/SCR</b>	39.5	8	91.9	I	45°	
				048 109 611 A	EX	<b>R4642/BMARCR</b>	33.2	8	91.2	I	45°	
1994/95  1994/98	4	Passat 1.6 i Vento 1.6 i Golf 1.6 i <b>Eng. AEK</b> <b>From eng. N. 000814</b> 1595 cc.	81	078 109 601B	IN	<b>R4806/S</b>	39.5	7	91.9	I	45°	
				048 109 611B	EX	<b>R4807/R</b>	32.9	7	91.2	I	45°	
1994 1996 1996 1998 1995	4	Passat 1.6 i Vento 1.6 i Golf 1.6 i Bora 1.6 i Polo 1.6 i <b>Eng. AEH-AKL-APF</b> <b>Eng. ADP-AHL-ARM-AFT</b> 1595 cc.	81	078 109 601B	IN	<b>R4806/S</b>	39.5	7	91.9	I	45°	
				048 109 611B	EX	<b>R4807/R</b>	32.9	7	91.2	I	45°	



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	<b>G3061</b> <b>G3062</b>	EX	42.3	8	12.06 12.11	B	C.I.-F
056 10 3419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	<b>G3061</b> <b>G3062</b>	EX	42.3	8	12.06 12.11	B	C.I.-F
049 103 419	<b>G3061</b> <b>G3062</b>	IN/EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I


**NOTE  
remarks**
**VOLKSWAGEN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1998	4	New Beetle 1.6i 8V <b>Eng. AWH-APF</b> 1595 cc.	81	078 109 601B 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1984	4	Golf C - CL - GL Jetta C - CL - GL Passat C - CL - GL Santana CX - GX - LX Scirocco GT - GTL 1595 cc. Passat CL - Santana LX 1781 cc.	81	035 109 601C 035 109 611F	IN EX	<b>R4111/S</b> <b>R4202/RCR</b>	38 33	8 8	98.5 98.5	I I	45° 45°
2000 2000	4	Passat 1.6 <b>Eng. ALZ</b> New Beetle 1.6 i <b>Eng. AYD</b> 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	<b>R6155/S</b> <b>R6156/BM</b>	39.4 33	6 6	94 94	I I	45° 45°
2003 2000 2000 2004	4	Touran 1.6 i Golf 1.6 i Bora 1.6 i Caddy 1.6 i <b>Eng. AVU-BGU</b> <b>Eng. BSE-BSF</b> 1595 cc.	81	06B 109 601D 06B 109 611C	IN EX	<b>R6155/S</b> <b>R6156/BM</b>	39.4 33	6 6	94 94	I I	45° 45°
1983/84 1983	4	Golf GLI - GTI Scirocco GLI - GTI <b>Eng. DZ</b> 1781 cc.	81	026 109 601 035 109 611F	IN EX	<b>R4201/XBCR</b> <b>R4202/RCR</b>	40 33	8 8	98.5 98.5	I I	45° 45°
1985	4	Golf - Jetta - Passat 1595 cc. Golf CI - GLI Jetta - Passat - Scirocco 1781 cc.	81	035 109 601H 026 109 611A	IN EX	<b>R4115/S</b> <b>R4116/R</b>	38 33.1	8 8	91 91	I I	45° 45°
1985/91 08.82/92 1987/91 1984/88	4 4	Golf 1.8 i Jetta 1.8 i <b>Eng. RV-PF-RD</b> Jetta 1.8 i Golf 1.8 i <b>Eng. GZ-KT-DX-EV</b> Golf 1.8 i Jetta 1.8 i <b>Eng. PB</b> 1781 cc.	81	026 109 601C 053 109 611	IN EX	<b>R4521/R</b> <b>R4642/BMARCR</b>	40 33.2	8 8	91 91.2	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 10 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
058 103 415	<b>G11384</b> <b>G11385</b>	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G11384</b> <b>G11385</b>	IN/EX	36.5	5.98	12.06 12.11	B	C.I.
	<b>G11584</b> <b>G11585</b>	IN/EX	38.5	5.98	12.06 12.11	B	C.I.
	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
049 103 419	<b>G3061</b> <b>G3062</b>	IN/EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	<b>G3061</b> <b>G3062</b>	EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b>	IN	36.5	8	12.06 12.11	B	C.I.-F





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0001</b>	I
022 109 423A 06B 109 417C	<b>PI 06-0019</b> <b>RA06-943</b>	I
022 109 423A 06B 109 417C	<b>PI 06-0019</b> <b>RA06-943</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


**NOTE  
remarks**
**VOLKSWAGEN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986/91 1986/91 1988/89 1989/92 1986/91	4	Golf 1.8 i 16V Jetta 1.8 GTI 16V Passat 1.8 i 16V Corrado 1.8 i 16V Scirocco 1.8 i 16V <b>Eng. PL - KR</b> 1781 cc.	81	027 109 601C 027 109 611D	IN EX	<b>R4294/R</b> <b>R4295/BMARCR</b>	32 28	7 7	95.5 98	EE EE	45° 45°
1988  1986  1995  1985	  5	Golf CL - GT Syncro Jetta CL - GT Syncro Passat CL - GL <b>Eng. PN - RF</b> 1781 cc. Passat 1994 cc. Passat GT Syncro <b>Eng. HY-KV</b> 2226 cc.	81	035 109 601H 053 109 611	IN EX	<b>R4115/S</b> <b>R4642/BMARCR</b>	38 33.2	8 8	91 91.2	I I	45° 45°
1991/92	4	Golf 1.8 i <b>Eng. ABN</b> 1781 cc.	81	035 109 601K 053 109 611	IN EX	<b>R4641/SCR</b> <b>R4642/BMARCR</b>	38 33.2	8 8	91.9 91.2	I I	45° 45°
1991/94	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i <b>Eng. ABS</b> 1781 cc.	81	035 109 601K 053 109 611	IN EX	<b>R4641/SCR</b> <b>R4642/BMARCR</b>	38 33.2	8 8	91.9 91.2	I I	45° 45°
1991/94 1990/94 1991/94	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i <b>Eng. AAM</b> <b>Up to eng. N. 408197</b> 1781 cc.	81	035 109 601K 053 109 611	IN EX	<b>R4641/SCR</b> <b>R4642/BMARCR</b>	38 33.2	8 8	91.9 91.2	I I	45° 45°
1994/97 1994/97 1994/98	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i <b>Eng. AAM</b> <b>Up to eng. N. 408198</b> 1781 cc.	81	048 109 601E 048 109 611B	IN EX	<b>R6451/S</b> <b>R4807/R</b>	38 32.9	7 7	91.8 91.2	I I	45° 45°
1994/98 1994/98 1994/98	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i <b>Eng. ADZ</b> <b>Up to eng. N. 001108</b> 1781 cc.	81	035 109 601K 053 109 611	IN EX	<b>R4641/SCR</b> <b>R4642/BMARCR</b>	38 33.2	8 8	91.9 91.2	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
027 103 419	<b>G3288</b> <b>G3289</b>	IN/EX	38	7	12.06 12.11	B	C.I.
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	<b>G2661*</b>	IN/EX	36.5	8	12.06	B	
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
051 103 419	<b>G3561</b> <b>G3592</b>	IN/EX	35	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


**NOTE**  
remarks

**VOLKSWAGEN**
**\*G2661**  
SPECIAL  
VERSION

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/98 1994/98 1994/98	4	Golf 1.8 i Passat 1.8 i Vento 1.8 i <b>Eng. ADZ</b> Up to eng. N. 001109 1781 cc.	81	048 109 601E 048 109 611B	IN EX	<b>R6451/S</b> <b>R4807/R</b>	38 32.9	7 7	91.8 91.2	I I	45° 45°
1997	4	Polo 1.8 <b>Eng. ADZ</b> 1781 cc.	81	048 109 601E 048 109 611B	IN EX	<b>R6451/S</b> <b>R4807/R</b>	38 32.9	7 7	91.8 91.2	I I	45° 45°
1998 1997	4	Bora 1.8 i 20V Golf 1.8 i 20V <b>Eng. AGN</b>	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1999 1997	4	Passat 18 i 20V <b>Eng. APT</b> 1781 cc. Passat 18 i 20V <b>Eng. AFY</b> 1984 cc.	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
2000 1997	4	Bora 1.8 i Turbo 20V Golf 1.8 i Turbo 20V <b>Eng. ARX-AUM</b> 1781 cc.	81	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1997 1999 1996 1996	4	Golf 1.8 i Turbo 20V New Beetle 1.8 i T 20V Passat 1.8 i Turbo 20V Sharan 1.8 i Turbo 20V <b>Eng. AGU-AQA-AVC</b> <b>Eng. AEB-APU-AWT-AJH</b> 1781 cc.	81	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
1990/92	4	Transporter 1.8 <b>Eng. PD</b> 1781 cc.	81	035 109 601K 048 109 611A	IN EX	<b>R4641/SCR</b> <b>R4642/BMARCR</b>	38 33.2	8 8	91.9 91.2	I I	45° 45°
1990/98	4	Transporter 2.0 i <b>Eng. AAC</b> 1968 cc.	81	048 109601A 053 109 611	IN EX	<b>R4643/SCR</b> <b>R4642/BMARCR</b>	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1990	5	Transporter 2.5 i <b>Eng. AAF-ACU-AEN-AEU</b> <b>Eng. AET</b> 2459 cc.	81	048 109601A 053 109 611	IN EX	<b>R4643/SCR</b> <b>R4642/BMARCR</b>	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1996	5	Transporter 2.5 i <b>Eng. AVT</b> 2461 cc.	81	048 109601A 053 109 611	IN EX	<b>R4643/SCR</b> <b>R4642/BMARCR</b>	39.5 33.2	8 8	91.9 91.2	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
051 103 419	<b>G3561</b> <b>G3592</b>	IN/EX	35	7	12.07 12.12	B	C.I.-F
051 103 419	<b>G3561</b> <b>G3592</b>	IN/EX	35	7	12.07 12.12	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
056 103 419A	<b>G2664</b> <b>G2665</b>	IN/EX	36.5	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I


**NOTE**  
remarks

**R4853/BMARCR\***  
Retainer stem end  
3.40 mm





**R4853/BMARCR\***  
Retainer stem end  
3.40 mm

**R6189/BMARCR\***  
Retainer stem end  
5.00 mm

**VOLKSWAGEN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1992/98	6	Golf GTI VR6 Vento GL/GT VR6 Passat GL/GT VR6 2792 cc.	81								
1994	6	Golf GTI VR6 Syncro <b>Eng. ABV</b> 2861 cc.	82								
2008	4	Passat 1.8 TSFI CC 1.8 TSFI Golf 1.8 TSFI <b>Eng. CDA A</b> 1798 cc.	82.5	06D 109 601M 06D 109 611L	IN EX	<b>R6580/SCR</b> <b>R6207/BMCR</b>	34 28	6 6	104 102	I I	45° 45°
2014 2015 2014 2015 2016	4	Golf Alltrack 1.8 TSI Passat 1.8 TSI Polo 1.8 TSI Touran 1.8 TSI Golf VII 1.8 TSI <b>Eng. CJS A-CJSB-DAJA</b> 1798 cc.	82.5	06L109601 06D 109 611L	IN EX	<b>R6900/SCR</b> <b>R6207/BMCR</b>	33.85 28	6 6	104 102	I I	45° 45°
1988/93 1991/95 1989/91 1989/92	4	Passat 2.0 i 16V Corrado 2.0 i 16V Golf 2.0 i 16V Jetta 2.0 i 16V <b>Eng. 9A</b> 1984	82.5	027 109 601C 027 109 611D	IN EX	<b>R4294/R</b> <b>R4295/BMARCR</b>	32 28	7 7	95.5 98	EE EE	45° 45°
1992/97 1994/97 1996	4	Golf 2.0 i 16V Passat 2.0 i 16V Sharan 2.0 i 16V <b>Eng. ABF</b> 1984 cc.	82.5	051 109 601B 051 109 611B	IN EX	<b>R4808/S</b> <b>R4809/R</b>	32 27	7 7	95.5 98	I I	45° 45°
1993/95  1994 1994 1994/97	4	Corrado 2.0 i <b>Eng. 2E</b> Vento 2.0 i Golf 2.0 i Passat 2.0 i <b>Eng. AGG</b> 1984 cc.	82.5	037 109 601 037 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1993/94 1990/94 1990/94 1993/94	4	Corrado 2.0 i Golf 2.0 i Passat 2.0 i Vento 2.0 i <b>Eng. ADY</b> <b>Up to eng. N. 000778</b> 1984 cc.	82.5	048 109 601A 048 109 611A	IN EX	<b>R4643/SCR</b> <b>R4642/BMARCR</b>	39.5 33.2	8 8	91.9 91.2	I I	45° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
027 103 415	<b>G3504</b> <b>G3505</b>	IN/EX	38	7	12.07 12.12	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
027 103 415	<b>G3504</b> <b>G3505</b>	IN/EX	38	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
022 109 423D 06E 109 417 06E 109 417E 06J 109 417	<b>PI 06-0019</b> <b>RA06-945</b>	I
	<b>PI 06-0019</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


**NOTE**  
remarks

**VOLKSWAGEN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/95 1994/96 1994/97 1994/95	4	Corrado 2.0 i Golf 2.0 i Passat 2.0 i Vento 2.0 i <b>Eng. ADY</b> <b>From eng. N. 000779</b> 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1991/94 1990/94 1992/94	4	Golf 2.0 i Passat 2.0 i Vento 2.0 i <b>Eng. 2E</b> <b>Up to eng. N. 565664</b> 1984 cc.	82.5	048 109 601A 048 109 611A	IN EX	<b>R4643/SCR</b> <b>R4642/BMARCR</b>	39.5 33.2	8 8	91.9 91.2	I I	45° 45°
1994 1994	4	Golf 2.0 i Passat 2.0 i Vento 2.0 i <b>Eng. 2E</b> <b>From eng. N. 565665</b> 1984 cc.	82.5	037 109 601 037 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1995	4	Sharan <b>Eng. ADY</b> 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1995/96 1995/97 1995/97	4	Passat 2.0 i Vento 2.0 i Golf 2.0 i <b>Eng. AEP</b> 1984 cc.	82.5	078 109 601A 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
1998 1998 1998	4	Bora 2.0 i Golf 2.0 i New Beetle 2.0 i <b>Eng. APK-AQY</b> 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
2000	4	Passat 2.0 i <b>Eng. AZM</b> 1984 cc.	82.5	078 109 601B 048 109 611B	IN EX	<b>R4806/S</b> <b>R4807/R</b>	39.5 32.9	7 7	91.9 91.2	I I	45° 45°
2004 2003 2007	4	Golf 2.0 FSI 16V Touran 2.0 FSI 16V Tiguan 2.0 TFSI 16V <b>Eng. AXW-BLX-BLY</b> <b>Eng. AXX-BWA-CAWB</b> 1984 cc.	82.5	079 109 601B 06D 109 601M 06D 109 601K 06E 109 601E 06D 109 611L	IN IN EX	<b>R6580/SCR</b> <b>R6206/S</b> <b>R6207/BMCR</b>	33.9 34 28	6 6 6	104 104 102	I I I	45° 45° 45°
2005 2005 2006	4	Passat 2.0 FSI 16V Jetta 2.0 FSI 16V Eos 2.0 FSI 16V <b>Eng. BLX-BLY-BLR</b> 1984 cc.	82.5	06D 109 601M 06D 109 601K 06D 109 611L 06D 109 611K 06D 109 611H	IN EX	<b>R6206/S</b> <b>R6207/BMCR</b>	34 28	6 6	104 102	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552</b> <b>G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0019</b> <b>RA06-944*</b> <b>RA06-945*</b>	I
	<b>PI 06-0019</b> <b>RA06-944</b>	I






**NOTE**  
remarks

**RA06-944**  
Eng. AXB-BLX-BLY-  
AAX-BWA  
**RA09-945**  
Eng. CAWB

**VOLKSWAGEN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2013/15 12/2014 2013 2015 2016 <b>NEW</b>	4	Golf VI 2.0 TSI Beetle 2.0 TSI Golf VII 2.0 TSI Passat 2.0 TSI Tiguan 2.0 TSI <b>Eng. CULC-CHHB-CHHA- CJXE</b> 1984 cc.	82.5	06L109601 06D 109 611L	IN EX	<b>R6900/SCR</b> <b>R6207/BMCR</b>	33.85 28	6 6	104 102	I I	45° 45°
2017 <b>NEW</b>	4	Tiguan 2.0 TSI <b>Eng. DGUA-DGVA</b> 1984 cc.	82.5	06K109601B 06K109611D	IN EX	<b>R8037/S</b> <b>R8038/BMCR</b>	32.09 28	6 6	102.9 102.9	I I	45° 45°
2018 <b>NEW</b>	4	Passat 2.0 TSI <b>Eng. CZPB-CZRA-DKZA</b> 1984 cc.	82.5	06L109 601C 06L 109 611	IN EX	<b>R6994/S</b> <b>R6995/BMCR</b>	32.06 28	6 6	105 102.85	I I	45° 45°
1994	V6	Passat 2.8 i V6 30V <b>Eng. AGE-ACK-ALG-AHA</b> <b>Eng. APR-AQD</b> 2771 cc.	82.5	058 109 601C 058 109 611E	IN EX	<b>R4852/SARCR</b> <b>R6189/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
2000	V6	Passat 2.8 V6 30V <b>Eng. BBG-AMX</b> 2771 cc.	82.5	058 109 601C 058 109 611M	IN EX	<b>R4852/SARCR</b> <b>R4853/BMARCR*</b>	26.9 29.8	6 6	105.9 103.9	I I	45° 45°
2002	V6	Tuareg 3.2i V6 24V Phaeton 3.2i V6 24V Multivan 3.2 i V6 24V Golf 3.2i V6 24V Eos 3.2i V6 24V <b>Eng. AXZ-AZZ-BKJ-BMV</b> <b>Eng. BRJ-AYT-BKL-BRK</b> <b>Eng. BDL-BKK-BFH-BML</b> <b>Eng. BUD-CBR</b> 3189 cc.	84	022 109 601H 022 109 601G 022 109 611P 022 109 611N	IN EX	<b>R6702/SCR</b> <b>R6703/SCR</b> <b>R6704/BMARCR</b> <b>R6705/BMARCR</b>	33.2 33.2 30.2 30.2	6 6 6 6	136.3 102.4 136.1 102.2	I I I I	45° 45° 45° 45°
1963/75  1970	4	1500 - 1600 Transporter 1493 cc. 1300 L - LS 1302 S 1303 L - S 1584 cc.	85.5	311 109 601 311 109 612 311 109 612A	IN EX	<b>R1417/S</b> <b>R3006/RCR</b>	35.5 32	8 8	112 112	I I	45° 45°
1973/74	4	Bus - Transporter 1584 cc.	85.5								
2005	V6	Passat 3.2 FSI V6 24V <b>Eng. AXZ</b> 3168 cc.	89	022 109 601H 022 109 601G 022 109 611P 022 109 611N	IN EX	<b>R6702/SARCR</b> <b>R6703/SARCR</b> <b>R6704/BMARCR</b> <b>R6705/BMARCR</b>	33.2 33.2 30.2 30.2	6 6 6 6	136.3 102.4 136.1 102.2	I I I I	45° 45° 45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
058 103 415	<b>G3552 G11020</b>	IN/EX	36	6	11.06 11.11	B	C.I.
	<b>G11556 G11557 G11558 G11559</b>	IN EX	44 65	6 6	10.06 10.11 10.06 10.11	B B	C.I. C.I.
113 101 401	<b>G2650 G2651</b>	IN	64.5	8	12.06 12.11	B	L
113 101 415	<b>G2654 G2655</b>	EX	64.5	8	12.06 12.11	B	L-U
021 101 403	<b>G2669</b>	IN	58	8	12.06	B	L
021 101 417	<b>G2671</b>	EX	64	8.97	13.06	B	L-U
	<b>G11556 G11557 G11558 G11559</b>	IN EX	44 65	6 6	10.06 10.11 10.06 10.11	B B	C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019 RA06-992 RA06-993</b>	I
	<b>PI 06-0019 RA06-992 RA06-993</b>	I
	<b>PI 06-0019 RA06-992 RA06-993</b>	I
	<b>PI 06-0019</b>	I
	<b>PI 06-0019</b>	I


**NOTE  
remarks**
**R6189/BMARCR\***  
Retainer stem end  
5.00 mm

**R4853/BMARCR\***  
Retainer stem end  
3.40 mm

**VOLKSWAGEN**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2007	V6	Taureg 3.6i V6 24V Passat 3.6i V6 24V <b>Eng. BWS</b> 3597 cc.	89	022 109 601H	IN	<b>R6702/SARCR</b>	33.2	6	136.3	I	45°
				022 109 601G		<b>R6703/SARCR</b>	33.2	6	102.4	I	45°
				022 109 611P	EX	<b>R6704/BMARCR</b>	30.2	6	136.1	I	45°
				022 109 611N		<b>R6705/BMARCR</b>	30.2	6	102.2	I	45°

## VOLKSWAGEN DIESEL

1985/90	4	Polo D Polo C - CL <b>Eng. MN</b> 1272 cc.	75	030 109 601	IN	<b>R4366/S</b>	34	8	99.1	I	45°
				030 109 611A	EX	<b>R4367/R</b>	28.9	8	99.1	I	45°
1990/94		Polo CL - GT 1398 cc.									
1976/80	4	Golf D - LD - GLD Passat LD - GLD 1471 cc.	76.5	068 109 601	IN	<b>R3564/S</b>	34	8	105	EE	45°
				068 109 611	EX	<b>R3565/R</b>	31	8	104.6	EE	45°
1980		Golf D - LD - GLD Jetta D - GLD - LD Passat D - GLD - LD Transporter 1.6 D 1588 cc.									
1981/82	4	Golf 1.6 D Jetta 1.6 D Passat 1.6 D	76.5	068 109 601C	IN	<b>R3646/S</b>	34	8	105	I	45°
				068 109 611C	EX	<b>R3647/R</b>	31.2	8	104.5	I	45°
1981/88 1982/07-85		Santana 1.6 D Caddy 1.6 D <b>Eng. CR-JK-JP</b> 1588 cc.									
08-81/1987	4	Transporter 1.6 D <b>Eng. CS</b> 1588 cc.	76.5	068 109 601C	IN	<b>R3646/S</b>	34	8	105	I	45°
				068 109 611C	EX	<b>R3647/R</b>	31.2	8	104.5	I	45°
1982/85	4	Golf 1.6 TD Jetta 1.6 TD Passat 1.6 TD	76.5	068 109 601D	IN	<b>R4199/BMCR</b>	34	8	104.8	I	45°
				068 109 611D	EX	<b>R4200/BMCR</b>	31.2	8	104.7	I	45°
1981/84 1984/92		Santana 1.6 TD Transporter 1.6 TD <b>Eng. CY-JR</b> <b>Eng. JX</b> 1588 cc.									
1985/86	4	Golf GTD Jetta GTD Passat GTD Santana GTD 1588 cc.	76.5	068 109 601M	IN	<b>R4296/R</b>	34	8	95	I	45°
				068 109 611M	EX	<b>R4297/R</b>	31.2	8	95	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11556</b> <b>G11557</b> <b>G11558</b> <b>G11558</b>	IN  EX	44  65	6  6	10.06 10.11 10.06 10.11	B  B	C.I.  C.I.
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 103 419	<b>G3061</b> <b>G3062</b>	EX	42.3	8	12.06 12.11	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN	36.5	8	12.06 12.11 12.16	B	C.I.-F
049 10 3419	<b>G3061</b> <b>G3062</b>	EX	42.3	8	12.06 12.11	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0019</b>	I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


 NOTE  
remarks

VOLKSWAGEN DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1986	4	Golf GTD Jetta GTD Passat GTD Santana GTD	76.5	069 109 601N	IN	<b>R4296/R</b>	34	8	95	I	45°
				069 109 611L	EX	<b>R4484/RCR</b>	31.2	8	95.5	I	45°
1989		Golf CL - GL Jetta C - CL - GL Passat C - CL - GL									
1991		Passat C - CL - GTD <b>Eng. JP - ME - JR - RA</b> 1588 cc.									
1978/81	6	LT28D - 31D - 35D LT 45D - 50D <b>Eng. CP</b> 2383 cc.	76.5	069 109 601	IN	<b>R3641/S</b>	36	8	105	EE	45°
				068 109 611	EX	<b>R3565/R</b>	31	8	104.5	EE	45°
08.81/82	6	LT28D - 31D - 35D LT 45D - 50D <b>Eng. CP</b> 2383 cc.	76.5	069 109 601D	IN	<b>R3662/S</b>	36	8	105	I	45°
				068 109 611C	EX	<b>R3647/R</b>	31	8	104.5	I	45°
82/7.89	6	LT 28-55 2.4 D <b>Eng. DW</b> 2383 cc.	76.5	069 109 601D	IN	<b>R3662/S</b>	36	8	105	I	45°
				068 109 611C	EX	<b>R3647/R</b>	31	8	104.5	I	45°
08.89/92	6	LT28 - 31 - 35 - 45 - 50 LT40 - 45 4X4 <b>Eng. DW</b> 2383 cc.	76.5	069 109 601F	IN	<b>R4483/SCR</b>	36	8	95.5	I	45°
				068 109 611L/M	EX	<b>R4484/RCR</b>	31.2	8	95.5	I	45°
1988/95	6	LT 28-55 2.4 D <b>Eng. 1S-ACT</b> 2383 cc.	76.5	069 109 601F	IN	<b>R4483/SCR</b>	36	8	95.5	I	45°
				068 109 611L/M	EX	<b>R4484/RCR</b>	31.2	8	95.5	I	45°
8.89/92 1992/95	6	LT 28-55 2.4 TD <b>Eng. 1G</b> LT 28-55 2.4 TD <b>Eng. ACL</b> 2383 cc.	76.5	069 109 601H	IN	<b>R4899/BMARCR</b>	36	8	95.5	I	45°
				068 109 611M	EX	<b>R4297/R</b>	31.2	8	95	I	45°
1982/86	6	LT 28-55 2.4 TD <b>Eng. DV</b> 2383 cc.	76.5	069 109 601D	IN	<b>R3662/S</b>	36	8	105	I	45°
				068 109 611C	EX	<b>R3647/R</b>	31	8	104.5	I	45°
1989/92	6	LT 28-55 2.4 TD <b>Eng. DV</b> 2383 cc.	76.5	069 109 601F	IN	<b>R4483/SCR</b>	36	8	95.5	I	45°
				068 109 611L/M	EX	<b>R4484/RCR</b>	31.2	8	95.5	I	45°
1999	3	Lupo 1.2 TDI <b>Eng. ANY-AYZ</b> 1191 cc.	76.5	045 109 601	IN	<b>R6389/S</b>	36	7	89.6	I	45°
				045 109 611	EX	<b>R6390/R</b>	31.5	7	89.6	I	45°
1998	V6	Passat 2.5 V6 TDI <b>Eng. AFB - AKN</b> 2496 cc.	78.3	059 109 601B	IN	<b>R6085/SCR</b>	27	6	100.5	I	45°
				059 109 611B	EX	<b>R6086/BMARCR</b>	24	6	100.5	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A 049 10 3419	<b>G2664</b> <b>G3061</b>	IN EX	36.5 42.3	8 8	12.06 12.06	B B	C.I.-F C.I.-F
056 103 419A 049 10 3419	<b>G2664</b> <b>G3061</b>	IN EX	36.5 42.3	8 8	12.06 12.06	B B	C.I.-F C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056103419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A 049 10 3419	<b>G2664</b> <b>G3061</b>	IN EX	36.5 42.3	8 8	12.06 12.06	B B	C.I.-F C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0032</b>	I
059 109 521C TRUST PAD	<b>PI 06-0008</b> <b>RA06-906</b> <b>RA06-926</b>	I


**NOTE**  
remarks

**VOLKSWAGEN DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2003	V6	Passat TDI 2.5 V6 24V <b>Eng. BAU-BDH-BDG</b> 2496 cc.	78.3	059 109 601F 059 109 611G	IN EX	<b>R6453/SCR</b> <b>R6454/BMARCR</b>	27.2 24.1	6 6	100.6 100.7	I I	45° 45°
2009 <b>NEW</b>	3	Polo 1.2 TDI <b>Eng. CFWA</b> 1199 cc.	79.5	03L109601A 03L109611A	IN EX	<b>R6690/S</b> <b>R6691/R</b>	26.55 24.45	6 6	99.25 99.10	I I	45° 45°
1999	3	Lupo 1.4 TDI Polo 1.4 TDI <b>Eng. AMF-BAY</b> 1422 cc.	79.5	038 109 601B 038 109 611B	IN EX	<b>R6128/S</b> <b>R6129/BM</b>	35.9 31.5	7 7	89.9 90	I I	45° 45°
2009 2009 2011 2010 2009 2010	4	Golf VI 1.6 TDI Jetta III 1.6 TDI Jetta IV 1.6 TDI Passat 1.6 TDI Polo 1.6 TDI Touran 1.6 TDI <b>Eng. CAYC-CFWA</b> <b>Eng. CAYD-CAYE-CAYB</b> 1598 cc.	79.5	03L109601A 03L109611A	IN EX	<b>R6690/S</b> <b>R6691/R</b>	26.55 24.45	6 6	99.25 99.10	I I	45° 45°
1984/-87	4	Transporter 1.7 D <b>Eng. KY</b> 1715 cc.	79.5	068 109 601C 068 109 611D	IN EX	<b>R3646/S</b> <b>R4200/BMCR</b>	34 31.2	8 8	105 104.7	I I	45° 45°
08-87/1992	4	Transporter 1.7 D <b>Eng. KY</b> 1715 cc.	79.5	068 109 601D 068 109 611D	IN EX	<b>R4199/BMCR</b> <b>R4200/BMCR</b>	34 31.2	8 8	104.8 104.7	I I	45° 45°
1997 1996	4	Polo 1.7 SDI Caddy 1.7 SDI <b>Eng. AHG-AKU-AKW</b> <b>Eng. AHB</b> 1716 cc.	79.5	028 109 601J 028 109 611K	IN EX	<b>R4946/S</b> <b>R4947/R</b>	36 31.5	7 7	96.5 96.5	I I	45° 45°
1991  1993	4	Golf CL - GL Vento CL - GL Passat CL - GL <b>Eng. 1Y</b> 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	<b>R4483/SCR</b> <b>R4640/BMARCR</b>	36 31.2	8 8	95.5 95.5	I I	45° 45°
1993/05.96 1991/05.96 1991/05.96	4	Golf 1.9 TD Passat 1.9 TD Vento 1.9 TD <b>Eng. AAZ</b> <b>Up to eng. N. 678000</b> 1896 cc.	79.5	069 109 601H 074 109 611	IN EX	<b>R4899/BMARCR</b> <b>R4640/RCR</b>	36 31.2	8 8	95.5 95.5	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	<b>PI 06-0040</b>    <b>RA06-946</b>	I
	<b>PI 06-0032</b>	I
059 109 521G 059 109 521 H 03L 109 521 03L 109 521A 059 109 417G 059 109 417F	<b>PI 06-0040</b>    <b>RA06-946</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


 NOTE  
remarks

**VOLKSWAGEN DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
06.96/1996	4	Golf .9 TD Passat 1.9 TD Vento 1.9 TD <b>Eng. AAZ</b> <b>From eng. N. 678001</b> 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	<b>R6036/S</b> <b>R6037/RCR</b>	36	7	95.5	I	45°
							31	7	95.5	I	45°
94/5.96	4	Polo 1.9 D <b>Eng. AEF</b> <b>Up to eng. N.007 000</b> 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	<b>R4483/SCR</b> <b>R4640/RCR</b>	36	8	95.5	I	45°
							31.2	8	95.5	I	45°
6.96	4	Polo 1.9 D <b>Eng. AEF</b> <b>From eng. N.007 001</b> 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	<b>R6036/S</b> <b>R6037/RCR</b>	36	7	95.5	I	45°
							31	7	95.5	I	45°
1997	4	Caddy 1.9 D <b>Eng. AEF</b> 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	<b>R6036/S</b> <b>R6037/RCR</b>	36	7	95.5	I	45°
							31	7	95.5	I	45°
1991/5-96	4	Golf 1.9 D Vento 1.9 D Caddy 1.9 D <b>Eng. 1Y</b> <b>Up to eng. N. 580000</b> 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	<b>R4483/SCR</b> <b>R4640/RCR</b>	36	8	95.5	I	45°
							31.2	8	95.5	I	45°
06-96/98	4	Golf 1.9 D Vento 1.9 D Caddy 1.9 D <b>Eng. 1Y</b> <b>From eng. N. 580001</b> 1896 cc.	79.5	028 109 601B 028 109 611E	IN EX	<b>R6036/S</b> <b>R6037/RCR</b>	36	7	95.5	I	45°
							31	7	95.5	I	45°
1993/10.94 1989/10.94 1993/10.94	4	Golf 1.9 TDI Passat 1.9 TDI Vento 1.9 TDI <b>Eng. 1Z</b> 1896 cc. (90 CV)	79.5	028 109 601H 046 109 611C/E	IN EX	<b>R4776/BMCR</b> <b>R4777/BMCR</b>	36	8	96.9	I	45°
							31.4	8	96.9	I	45°
11.94/5.96 11.94/5.96 11.94/5.96 1995/2.96	4	Golf 1.9 TDI Passat 1.9 TDI Vento 1.9 TDI Sharan 1.9 TDI <b>Eng. 1Z</b> <b>Up to eng. N. 770000</b> 1896 cc.	79.5	028 109 601H 046 109 611C/E	IN EX	<b>R4776/BMCR</b> <b>R4777/BMCR</b>	36	8	96.9	I	45°
							31.4	8	96.9	I	45°
6.96/1998 6.96/1998 3.96 6.96/1996	4	Golf 1.9 TDI Passat 1.9 TDI Sharan 1.9 TDI Vento 1.9 TDI <b>Eng. 1Z</b> <b>From eng. N. 770001</b> 1896 cc.	79.5	028 109 601D 028 109 601K 028 1096 11G	IN IN EX	<b>R6087/S</b> <b>R4888/BM</b> <b>R4889/BM</b>	35.9	7	96.8	I	45°
							35.9	7	96.8	I	45°
							31.5	7	96.85	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


**NOTE  
remarks**
**VOLKSWAGEN DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/5.96	4	Polo 1.9 SDI <b>Eng. AGD</b> 1896 cc.	79.5	069 109 601F 074 109 611	IN EX	<b>R4483/SCR</b> <b>R4640/RCR</b>	36 31.2	8 8	95.5 95.5	I I	45° 45°
1998 1997 1996/01	4	Bora 1.9 SDI Golf 1.9 SDI Polo 1.9 SDI <b>Eng. AQM-AGP-AGD</b> 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	<b>R4946/S</b> <b>R4947/R</b>	36 31.5	7 7	96.5 96.5	I I	45° 45°
1997	4	Golf 1.9 SDI Polo 1.9 SDI Vento 1.9 SDI Caddy 1.9 SDI <b>Eng. AEY</b> <b>From eng. N. 002 001</b> 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	<b>R4946/S</b> <b>R4947/R</b>	36 31.5	7 7	96.5 96.5	I I	45° 45°
1999	4	Polo 1.9 SDI <b>Eng. ASY</b> 1896 cc.	79.5	028 109 601J 028 109 611K	IN EX	<b>R4946/S</b> <b>R4947/R</b>	36 31.5	7 7	96.5 96.5	I I	45° 45°
1998/01 1996 1999/01 1996/00 1997 1996 1996/98 1996	4	Bora 1.9 TDI Golf 1.9 TDI New Beetle 1.9 TDI Passat 1.9 TDI Polo 1.9 TDI Sharan 1.9 TDI Vento 1.9 TDI Caddy 1.9 TDI <b>Eng. AGR-ALH-AHU-ALE</b> <b>Eng. AHU-AFN</b> 1896 cc. (90 CV)	79.5	028 109 601D 028 109 601K 028 1096 11G	IN IN EX	<b>R6087/S</b> <b>R4888/BM</b> <b>R4889/BM</b>	35.9 35.9 31.5	7 7 7	96.8 96.8 96.85	I I I	45° 45° 45°
1998/01 1996 1996/00 1998 1996	4	Bora 1.9 TDI Golf 1.9 TDI Passat 1.9 TDI Polo 1.9 TDI Sharan 1.9 TDI <b>Eng. AHF-ASV-AFN-AVG</b> 1896 cc. (110CV)	79.5	028 109 601D 028 109 601K 028 1096 11G	IN IN EX	<b>R6087/S</b> <b>R4888/BM</b> <b>R4889/BM</b>	35.9 35.9 31.5	7 7 7	96.8 96.8 96.85	I I I	45° 45° 45°
1999 1999/01 1998/01 1998/00 2000	4	New Beetle 1.9 TDI Bora 1.9 TDI Golf 1.9 TDI Passat 1.9 TDI Sharan 1.9 TDI <b>Eng. AJM-AUY-ATJ</b> 1896 cc. (115CV)	79.5	038 109 601B 038 109 611B	IN EX	<b>R6128/S</b> <b>R6129/BM</b>	35.9 31.5	7 7	89.9 90	I I	45° 45°
1999/03	4	Sharan 1.9 TDI <b>Eng. ANU</b> 1896 cc.	79.5	038 109 601B 038 109 611B 038 109 611F	IN EX	<b>R6128/S</b> <b>R6129/BM</b>	35.9 31.5	7 7	89.9 90	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 103 419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I


**NOTE**  
remarks

**VOLKSWAGEN DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2001	4	New Beetle 1.9 TDI Polo 1.9 TDI	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
2000		Golf 1.9 TDI		038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2000		Bora 1.9 TDI <b>Eng. ATD (101 CV)</b> 1896 cc.		038 109 611F							
2000	4	Golf 1.9 TDI Bora 1.9 TDI	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
2000		Polo 1.9 TDI		038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2003		Sharan 1.9 TDI		038 109 611F							
2002		<b>Eng. ASZ-ARL</b> 1896 cc.									
2000	4	Passat 1.9 TDI <b>Eng. AVB - AVF - AWX</b> 1896 cc.	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
				038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2003	4	Golf 1.9 TDI <b>Eng. BKC</b> 1896 cc.	79.5	038 109 601 E	IN	<b>R6208/S</b>	35.95	7	89.4	I	45°
				038 109 611 E	EX	<b>R6209/BM</b>	31.5	7	89	I	45°
2003	4	Transporter 1.9 TDI	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
2003		Multivan 1.9 TDI <b>Eng. AXC-AXB</b> 1896 cc.		038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2003	4	Transporter 2.5 TDI	79.5	038 109 601B	IN	<b>R6128/S</b>	35.9	7	89.9	I	45°
2003		Multivan 2.5 TDI <b>Eng. AXD-AXE</b> 2460 cc.		038 109 611B	EX	<b>R6129/BM</b>	31.5	7	90	I	45°
2003	4	New Beetle TDI <b>Eng. BEW( 100 CV)</b> 1968 cc.	81	038 109 601F	IN	<b>R6528/S</b>	35.5	7	89	I	45°
				038 109 611G	EX	<b>R6529/R</b>	31.4	7	88.40	I	45°
2003/04	4	Golf 2.0 TDI -PD 16V <b>Eng. AZV-BKD</b> 1968 cc. Until chassis n. 1K-4B005 000 1K-4P004 323 1K-4U000 000 1K-4W000 000	81	03G 109 601A	IN	<b>R6353/S</b>	29.2	6	88.45	I	45°
				03G 109 611B	EX	<b>R6354/BM</b>	25.5	6	88.2	I	45°
2003/04	4	Touran 2.0 TDI-PD 16V <b>Eng. AZV-BKD</b> Until chassis n. 1T-4W117 616 1968 cc.	81	03G 109 601A	IN	<b>R6353/S</b>	29.2	6	88.45	I	45°
				03G 109 611B	EX	<b>R6354/BM</b>	25.5	6	88.2	I	45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.

**PI PUNTERIE · LIFTERS  
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ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I
	<b>PI 06-0032</b>	I


**NOTE**  
remarks

**VOLKSWAGEN DIESEL**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2004	4	Golf 2.0 TDI -PD 16V <b>Eng. AZV-BKD</b> 1968 cc. From chassis n. 1K-4B005 001 1K-4P004 324 1K-4U000 001	81	03G 109 601B 03G 109 611D	IN EX	<b>R6372/S</b> <b>R6373/BM</b>	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
2004	4	Touran 2.0 TDI-PD 16V <b>Eng. AZV-BKD</b> Until chassis n. 1T-4W117 617 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	<b>R6372/S</b> <b>R6373/BM</b>	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
2009	4	Passat 2.0 TDI <b>Eng. BMP</b> 1968 cc.	81	038 109 601E 038 109 611E	IN EX	<b>R6208/S</b> <b>R6209/BM</b>	35.95	7	89.4	I	45°
							31.5	7	89	I	45°
2005	4	Passat 2.0 TDI -PD 16V <b>Eng. BVE-BMA-BKP-BMR</b> 1968 cc.	81	03G 109 601B 03G 109 611D	IN EX	<b>R6372/S</b> <b>R6373/BM</b>	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
2004 2005 2004	4	Touran 2.0 TDI-PD 16V Jetta 2.0 TDI -PD 16V Golf 2.0 TDI -PD 16V <b>Eng. AZV-BKD</b> 1868 cc.	81	03G 109 601B 03G 109 611D	IN EX	<b>R6372/S</b> <b>R6373/BM</b>	29.1	6	87.8	I	45°
							25.4	6	87.5	I	45°
2005 2007 2008 2008 2008	4	Passat 2.0 TDI 16V Tiguan 2.0 TDI 16V Passat CC 2.0 TDI 16V Golf 2.0 TDI 16V Scirocco 2.0 TDI 16V <b>Eng. CBBB-CBAB-CBAA</b> 1968 cc.	81	03L 109 601	IN EX	<b>R6564/S</b> <b>R6565/BM</b>	28.1	6	99.3	I	45°
				04L 109 601			26	6	99.1	I	45°
				03L 109 611							
				04L 109 611B							
2015 2015 2015 2016 <b>NEW</b>	4	Multivan 2.0 TDI 16V Transporter T6 2.0TDI 16V Multivan 2.0 TDI BT 16V Crafter 2.0 TDI 16V <b>Eng. CXGA-CXGB-CXHB</b> <b>CXFA-CXHA-CXEB-DAUA</b> <b>DAUB-DAVA-DASA-DASB</b> <b>DASC-DAWA</b> 1968 cc.	81	04L109601H	IN EX	<b>R6992/S</b> <b>R6993/BM</b>	28.09	5	99.40	I	45°
				04L109611			25	5	99.30	I	45°
1995	5	Transporter 2.5 TDI <b>Eng. AAB</b> 2459 cc.	81	069 109 601F	IN EX	<b>R4483/SCR</b> <b>R4640/BMARCR</b>	36	8	95.5	I	45°
				074 109 611			31.2	8	95.5	I	45°
1996	5	LT 28-46 2.5 SDI <b>Eng. AGX</b> 2461 cc.	81	046 109 601J	IN EX	<b>R4776/BMCR</b> <b>R4777/BMCR</b>	36	8	96.9	I	45°
				046 109 611F			31.4	8	96.9	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
037 109 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07	B	C.I.-F
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11255</b> <b>G11256</b>	IN/EX	42	5.99	10.06 10.11	B	C.I.
	<b>G11636</b> <b>G11637</b> <b>G11638</b>	IN/EX	34.5	5	10.06 10.10 10.26	B	L
056 10 3419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
056 10 3419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F

**PI PUNTERIE · LIFTERS  
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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
03G 109 411C	<b>PI 06-0042</b>	I
03G 409 411B	<b>PI 06-0045</b>	I
03G 109 412C	<b>PI 06-0044</b>	I
03G 109 412B	<b>PI 06-0043</b>	I
03G 109 411C	<b>PI 06-0042</b>	I
03G 409 411B	<b>PI 06-0045</b>	I
03G 109 412C	<b>PI 06-0044</b>	I
03G 109 412B	<b>PI 06-0043</b>	I
	<b>PI 06-0032</b>	I
03G 109 411C	<b>PI 06-0042</b>	I
03G 409 411B	<b>PI 06-0045</b>	I
03G 109 412C	<b>PI 06-0044</b>	I
03G 109 412B	<b>PI 06-0043</b>	I
03G 109 411C	<b>PI 06-0042</b>	I
03G 409 411B	<b>PI 06-0045</b>	I
03G 109 412C	<b>PI 06-0044</b>	I
03G 109 412B	<b>PI 06-0043</b>	I
	<b>PI 06-0040</b> <b>RA06-946</b>	I
04L109417	<b>PI 06-0040</b> <b>RA06-997</b>	I
034 109 309N	<b>PI 06-0001</b>	I
034 109 309N	<b>PI 06-0001</b>	I


 NOTE  
remarks

VOLKSWAGEN DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1996/99	5	LT 28-46 2.5 TDI <b>Eng. AHD-APA-BBE</b> <b>Eng. ANJ-BBF</b> 2461 cc.	81	046 109 601J 046 109 611F	IN EX	<b>R4776/BMCR</b> <b>R4777/BMCR</b>	36	8	96.9	I	45°
							31.4	8	96.9	I	45°
2003	5	Touareg 2.5 TDI R5 10V <b>Eng. BAC-BLK</b> 2460 cc.	81	038 109 601B 038 109 611B	IN EX	<b>R6128/S</b> <b>R6129/BM</b>	35.9	7	89.9	I	45°
							31.5	7	90	I	45°
2002	V10	Touareg 5.0 TDI V10 20V <b>Eng. AYH</b>	81	038 109 601B 038 109 611B	IN EX	<b>R6128/S</b> <b>R6129/BM</b>	35.9	7	89.9	I	45°
							31.5	7	90	I	45°
2002	V10	Phaeton 5.0 TDI V10 20V <b>Eng. AJS</b> 4921 cc.		038 109 611F							
2007	V6	Phaeton TDI 24V Tuareg TDI 24V <b>Eng. CARA-CASA-CASB</b> <b>Eng. CASC-CEXA</b> 2967 cc.	83	059 109 601G 059 109 611K	IN EX	<b>R6514/S</b> <b>R6515/BMAR</b>	28.8	6	99.5	I	45°
							26.8	6	99.4	I	45°
1997	4	LT 28-46 2.8 TDI 12V <b>Eng. AGK-AUH-BCQ</b> 2799 cc.	93	062 109 601 062 109 611A	IN EX	<b>R6312/SCR</b> <b>R6313/BMCR</b>	33	7	105.2	I	30°
							39.7	7	105.2	I	45°

## VOLVO

1975/81	4	66 L - DL <b>Eng. B10E</b> 1108 cc. 66 DL - GL <b>Eng. B13E</b> 1289 cc.	70	3104401-9 3100519-2	IN EX	<b>R3589/S</b> <b>R3394/R</b>	33.5	7	89.5	E	45°
							30	7	89	K	45°
1976		343 L - GL - DL 345 L - GL - DL 1397 cc.	73								
1982/85	4	343 L - DL 345 L - DL <b>Eng. B14</b> 1397 cc.	76	3277693-2 3267437-6	IN EX	<b>R3648/S</b> <b>R3649/R</b>	34	7	91.5	E	30°
							29	7	89	K	45°
1985	4	343 L - DL 345 L - DL <b>Eng. B14</b> 1397 cc.	76	3287419-0 3277813-6	IN EX	<b>R4223/SCR</b> <b>R3966/R</b>	34	7	90.5	K	45°
							29	7	89	K	45°
2005	4	S40 1.6 i 16V V50 1.6 i 16V C30 1.6 i 16V <b>Eng. B4164S3</b> 1596 cc.	79	30711639 30711638	IN EX	<b>R6195/SCR</b> <b>R6196/RCR</b>	30	6	99	I	45°
							24.1	6	101.4	I	45°
2006											
2010/15	4	V60 1.6 i 16V <b>Eng. B4164T</b> 1596 cc.	79	31422384 31375559	IN EX	<b>R6916/SNT</b> <b>R6917/RNT</b>	30	5	98.80	I	45°
							24.9	5	99.85	I	30°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
056 10 3419A	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
	<b>G11445</b> <b>G11446</b>	IN/EX	36	5.98	10.06 10.11	B	C.I.
037 103 419B	<b>G3593</b> <b>G3595</b>	IN/EX	36.5	7	12.07 12.12	B	C.I.-F
3102891 - 3	<b>G3065</b> <b>G3066</b>	IN/EX	41.5	7	11.13 11.18	G	L
3102891 - 3	<b>G3065</b> <b>G3066</b>	IN/EX	41.5	7	11.13 11.18	G	L
3102891 - 3	<b>G3065</b> <b>G3066</b>	IN/EX	41.5	7	11.13 11.18	G	L
	<b>G3499</b> <b>G11190</b> <b>GS3499</b>	IN/EX IN/EX	40.5 40.5	6 6	11.04 11.09 11.04	G SM	L-X L-X
	<b>G11623</b> <b>G11624</b>	IN/EX	36	5	9.53 9.58	B	L

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
034 109 309N	<b>PI 06-0001</b>	I
	<b>PI 06-0032</b>	I
059 109 521G 059 109 521 H 03L109 521 03L109 521A 059 109 417G	<b>PI 06-0040</b>    <b>RA06-946</b>	






 NOTE  
remarks

VOLKSWAGEN DIESEL

VOLVO

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
1985	4	340 - 360 GL <b>Eng. B172</b>	81	3342278-3	IN	<b>R4221/S</b>	38.1	8	111.5	E	30°
1988		440 GL - GLE - GLT 480 ES <b>Eng. B18E/F</b>		3343738-5	EX	<b>R4222/RCR</b>	32.5	8	111.3	E	45°
1990		440 GL - 460 GLE 1721 cc.									
1995/04	4	S40 1.6 i 16V V40 1.6 i 16V <b>Eng. B4164S/S2</b>	81	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
				1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
				1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
1991/96	5	850 2.0 i 20V	81	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
1997		V70 2.0 i 20V		1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
		S70 2.0 i 20V		1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
1998		<b>Eng. B5204F/S</b> S80 2.0 i Turbo 20V <b>Eng. B5204T3</b> 1984 cc.									
1993/96	5	850 2.0 i Turbo 20V	81	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
1997		<b>Eng. B5204T</b>		1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
1997		C70 2.0 i Turbo 20V		1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
		S70 2.0 i Turbo 20V V70 2.0 i Turbo 20V <b>Eng. B5204T2/T3T/T4</b> 1984 cc.									
1993	5	850 Break 10V	81	1397190	IN	<b>R4962/SCR</b>	40	7	98	I	45°
1997/00		S70 2.0 i 10V		6842421							
		V70 2.0 i 10V		1397191	EX	<b>R4963/BMARCR</b>	35	7	97	I	45°
		<b>Eng. 5202S</b> 1984 cc.		6842422							
2001	5	S60 2.0 i Turbo 20V	81	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
		V70 2.0 i Turbo 20V		9454608	IN	<b>R6605/SNT</b>	32	6	104.3	I	45°
		S80 2.0 i Turbo 20V		9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°
		<b>Eng. B5204T5</b> 1984 cc.									
2004	5	V70 2.4 i T5 Turbo 20V	81	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
		<b>Eng. B5244T5</b>		9454608	IN	<b>R6605/SNT</b>	32	6	104.3	I	45°
		2401 cc.		9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°
1997	5	C70 2.3 i Turbo 20V	81	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
		S70 2.3 i Turbo 20V		1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
2000		S60 2.3 i Turbo 20V		1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
		<b>Eng. B5234T/T3/T4/T6/T8</b> 2319 cc.									
2000	5	S60 2.3 i Turbo 20V	81	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
		<b>Eng. B5234T3</b>		9454608	IN	<b>R6605/SNT</b>	32	6	104.3	I	45°
		2319 cc.		9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
3343624	<b>G11161</b> <b>G11162</b> <b>G11163</b>	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
1270391	<b>G11201</b> <b>G11202</b>	IN/EX	45	7	11.99 12.04	G	C.I.
1270391	<b>G11201</b> <b>G11202</b>	IN/EX	45	7	11.99 12.04	G	C.I.
	<b>G11370</b>	IN/EX	48	7	11.99	G	C.I.
1270397	<b>G11203</b> <b>G11204</b>	IN/EX	53	7	12.08 12.13	G	C.I.
	<b>G11371</b> <b>G11447</b> <b>G11448</b> <b>G11598</b>	IN/EX IN/EX IN/EX	45 39.5 45	6	11.99 11.52 11.57 11.99	G G G	C.I. C.I. C.I.
	<b>G11371</b> <b>G11447</b> <b>G11448</b> <b>G11598</b>	IN/EX IN/EX IN/EX	45 39.5 45	6	11.99 11.52 11.57 11.99	G G G	C.I. C.I. C.I.
1270391	<b>G11201</b> <b>G11202</b>	IN/EX	45	7	11.99 12.04	G	C.I.
	<b>G11371</b> <b>G11447</b> <b>G11448</b> <b>G11598</b>	IN/EX IN/EX IN/EX	45 39.5 45	6	11.99 11.52 11.57 11.99	G G G	C.I. C.I. C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0007*</b>	I
	<b>PI 06-0007</b>	I
	<b>PI 06-0007</b>	I
	<b>PI 06-0016</b>	I
9207830	<b>PI 06-0007</b>	I
9207830	<b>PI 06-0007</b>	I
	<b>PI 06-0007</b>	I
9207830	<b>PI 06-0007</b>	I


**NOTE  
remarks**
**PI 06-0007\***  
ONLY ENG. B4164

**G11371** C.I. DIAM 8.8  
**G11598** C.I. DIAM 9.8

**G11371** C.I. DIAM 8.8  
**G11598** C.I. DIAM 9.8

**G11371** C.I. DIAM 8.8  
**G11598** C.I. DIAM 9.8

**VOLVO**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2002/05	5	C70 2.3 i Turbo 20V <b>Eng. B5234T9</b> 2319 cc.	81	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
				1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
				1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
1994/96	V6	960 2.5 i V6 24V <b>Eng. B6254S</b> 2473 cc.	81	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
				1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
				1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
1997	V6	S90 2.5 i V624V V90 2.5 i V6 24V <b>Eng. B6254S</b> 2473 c.	81	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
				1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
				1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
2000	5	S60 2.3 i Turbo 20V <b>Eng. B5234T3</b> 2319 cc.	81	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
				9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°
1998/06	V6	S80 2.8 i T6 Turbo 24V <b>Eng. B6284T</b> 2783 cc.	81	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
				9454608	IN	<b>R6605/SNT</b>	32	6	104.3	I	45°
				9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°
2015 <b>NEW</b>	4	S60 1.5 T3 V40 1.5 TE <b>Eng. B4154T4/T5</b> 1498cc.	82	31755630	IN	<b>R6925/SNT</b>	31	6	109.2	I	45°
				31375493	EX	<b>R6926/BMCR</b>	27	6	110.8	I	45°
2013  2017 <b>NEW</b>	4	S60 2.0 T4 S80 2.0 S90 2.0 <b>Eng.B 4204T11/T15/T19</b> <b>B4204T21/T23/T27/T35</b> <b>B4204T21/T23/T27/T35</b> <b>B4204.T37</b> 1969 cc.	82	31755630	IN	<b>R6925/SNT</b>	31	6	109.2	I	45°
				31375493	EX	<b>R6926/BMCR</b>	27	6	110.8	I	45°
				31480436							
1991/96	4	440 1.8 i 460 1.8 i <b>Eng. B18U</b> 1794 cc.	82.7	3344841-6	IN	<b>R4723/SCR</b>	40.2	8	107	E	45°
				3344842-4	EX	<b>R4724/RCR</b>	32.6	8	107	E	45°
1992/96  1992/95	4	440 2.0 i 460 2.0 i 480 2.0 i <b>Eng. B20F</b> 1998 cc.	82.7	3344841-6	IN	<b>R4723/SCR</b>	40.2	8	107	E	45°
				3344842-4	EX	<b>R4724/RCR</b>	32.6	8	107	E	45°
1995/03	4	S40 1.8 i 16V V40 1.8 i 16V <b>Eng. 4184S/S1/S9</b> 1731 cc.	83	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
				1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
				1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
2004	4	V50 1.8 i 16V S40 1.8 i 16V C30 1.8 i 16V <b>Eng.B4184S11</b> 1798 cc.	83	8694781	IN	<b>R6341/SNT</b>	32.5	5.5	103.4	S	45°
				8694780	EX	<b>R6342/RNT</b>	28	5.5	104.6	S	45°





## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1991/96 1997	5	850 2.4 i 20V	83	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
		C70 2.4 i 20V		1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
		S70 2.5 20V		1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
1999	5	V70 2.4 i 20V <b>Eng. B5254/S</b>	83								
		S80 2.4 i 20V <b>Eng. B5254</b> <b>Up to Eng. N. 1817652</b> 2435 cc.									
1999	5	S80 2.4 i 20V <b>Eng. B5254</b> <b>From Eng. N. 1817653</b> 2435 cc.	83	9454607 9454608 9454610	IN IN EX	<b>R6298/SCR</b> <b>R6605/SNT</b> <b>R6299/BMARCR</b>	31 32 27	6 6 6	104.3 104.3 103.3	I I I	45° 45° 45°
1999/02	5	C70 2.4 i 20V <b>Up to eng. 1817725</b>	83	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
2000		S60 2.4 i 20V <b>Up to eng. 1718724</b>		1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
1999/06		S80 2.4 i 20V <b>Up to eng. 1817652</b> <b>Eng. .B5244S</b> 2435 cc.		1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
1999/02	5	C70 2.4 i 20V <b>From eng. 1817726</b>	83	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
2000		S60 2.4 i 20V <b>From eng. 1718725</b>		9454608	IN	<b>R6605/SNT</b>	32	6	104.3	I	45°
1999/06		S80 2.4 i 20V <b>From eng. 1817653</b> <b>Eng. B5244S</b> 2435 cc.		9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°
1996 1997		850 2.4 i Turbo 20V C70 2.4 i Turbo 20V S70 2.5 i Turbo 20V V70 2.4 i Turbo 20V XC70 2.4 i Turbo 20V <b>Eng. B5254T</b> 2435 cc.	83	1397641-0 1270455 1366490	IN IN EX	<b>R4937/SCR</b> <b>R6608/SCR</b> <b>R4938/RCR</b>	31 32 27	7 7 7	104 104.3 103.2	I I I	45° 45° 45°
1999/01 1999/01	5	V70 2.4 i Bifuel 20V S80 2.4 i Bifuel 20V <b>Eng. B5244SG/SG2</b> <b>Up to Eng. 2684724</b> 2435 cc.	83	9454607 9454610	IN EX	<b>R6298/SCR</b> <b>R6299/BMARCR</b>	31 27	6 6	104.3 103.3	I I	45° 45°



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm.				
							D	d	L		
2000/02	5	XC70 2.4 i Turbo 20V	83	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
2000/06 2000		V70 2.4 i Turbo 20V		9454608	IN	<b>R6605/SNT</b>	32	6	104.3	I	45°
		S80 2.4 i Turbo 20V		9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°
2004 2004		S60 2.4 i Turbo 20V <b>Eng. B5244T3</b> V50 2.4 i Turbo 20V S40 2.4 i Turbo 20V <b>Eng. B5244S/S5</b> 2435 cc.									
2002/05	5	C70 2.4 i Turbo 20V <b>Eng. B5244T7</b> 2435 cc.	83	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
				1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
				1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
2004 2006 2006 2004 2004 2003 2002	5	V50 2.5 i Turbo 20V C30 2.5 i Turbo 20V C70 2.5 i Turbo 20V S40 2.5 i Turbo 20V S60 2.5 i Turbo 20V S80 2.5 i Turbo 20V XC90 2.5 i Turbo 20V <b>Eng. B5254T3</b> 2521 cc.	83	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
				9454608	IN	<b>R6605/SNT</b>	32	6	104.3	I	45°
				9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°
2007	5	C70 2.5 i Turbo 20V <b>Eng. B5254T7</b> 2521 cc.	83	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
				9454608	IN	<b>R6605/SNT</b>	32	6	104.3	I	45°
				9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°
1996 1998/00 1997 1997	V6	960 3.0 i V6 24V S80 3.0 i V6 24V S90 3.0 i V6 24V V90 3.0 i V6 24V <b>Eng. B6304S/S2</b> 2922 cc.	83	1397641-0	IN	<b>R4937/SCR</b>	31	7	104	I	45°
				1270455	IN	<b>R6608/SCR</b>	32	7	104.3	I	45°
				1366490	EX	<b>R4938/RCR</b>	27	7	103.2	I	45°
2002 2001/06	V6	XC90 2.9 i T6 Turbo 24V S80 2.9 i T6 Turbo 24V <b>Eng. B6294T</b> 2922 cc.	83	9454607	IN	<b>R6298/SCR</b>	31	6	104.3	I	45°
				9454608	IN	<b>R6605/SNT</b>	32	6	104.3	I	45°
				9454610	EX	<b>R6299/BMARCR</b>	27	6	103.3	I	45°
1965/72	4	P 121 - 131 PV544 - Amazon P 1800 - 1800S P 122S - 132 - 210 - 221 <b>Eng. B18A - B - D</b> 1780 cc.	84.138	419368-6	IN	<b>R4570/SCR</b>	40	8.65	116.8	N	45°
	8	L 420 - 430 <b>Eng. B36AV</b> 3560 cc.		419292-8	EX	<b>R4571/RCR</b>	35	8.65	116.5	N	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11371</b>	IN/EX	45	6	11.99	G	C.I.
	<b>G11447</b>	IN/EX	39.5	6	11.52	G	C.I.
	<b>G11448</b>				11.57		
	<b>G11598</b>	IN/EX	45	6	11.99	G	C.I.
1270391	<b>G11201</b> <b>G11202</b>	IN/EX	45	7	11.99 12.04	G	C.I.
	<b>G11371</b>	IN/EX	45	6	11.99	G	C.I.
	<b>G11447</b>	IN/EX	39.5	6	11.52	G	C.I.
	<b>G11448</b>				11.57		
	<b>G11598</b>	IN/EX	45	6	11.99	G	C.I.
	<b>G11371</b>	IN/EX	45	6	11.99	G	C.I.
	<b>G11447</b>	IN/EX	39.5	6	11.52	G	C.I.
	<b>G11448</b>				11.57		
	<b>G11598</b>	IN/EX	45	6	11.99	G	C.I.
1270391	<b>G11201</b> <b>G11202</b>	IN/EX	45	7	11.99 12.04	G	C.I.
	<b>G11371</b>	IN/EX	45	6	11.99	G	C.I.
	<b>G11447</b>	IN/EX	39.5	6	11.52	G	C.I.
	<b>G11448</b>				11.57		
	<b>G11598</b>	IN/EX	45	6	11.99	G	C.I.
415266-403546	<b>G11235</b>	IN/EX	63.5	8.74	15.01		

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0007</b>	I
	<b>PI 06-0007</b>	I
	<b>PI 06-0007</b>	I


**NOTE  
remarks**
**G11371** C.I. DIAM 8.8  
**G11598** C.I. DIAM 9.8

**G11371** C.I. DIAM 8.8  
**G11598** C.I. DIAM 9.8





**G11371** C.I. DIAM 8.8  
**G11598** C.I. DIAM 9.8

**G11371** C.I. DIAM 8.8  
**G11598** C.I. DIAM 9.8

**VOLVO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006	4	C30 2.0 i 16V S40 2.0 i 16V V50 2.0 i 16V <b>Eng. B4204S3</b> 1999 cc.	87.5	30777329 30777328	IN EX	<b>R6370/SNT</b> <b>R6371/RNT</b>	35 30	5.5 5.5	103.4 104.6	S S	45° 45°
1988 1976/83 1985 1980 1985 1991 1991 1985	4	240 <b>Eng. B200 E - B230 E</b> 242 - 244 - 245 <b>Eng. B19A</b> 340 - 360 GLE <b>Eng. B200 E</b> 343 - 345 <b>Eng. B19A</b> 740 940 GL <b>Eng. B200 E</b> 740 - 780 Turbo <b>Eng. B200 ET</b> 1986 cc.	88.9	463395-4 463526-4 3547247-1	IN EX	<b>R4313/SCR</b> <b>R4314/RCR</b>	44 35	8 8	110.5 110.8	I I	45° 45°
1988 1989 1991	4	740 GLT 16V <b>Eng. B204E</b> 1986 cc. 760 2.0 Turbo 16V 780 2.0 Turbo 16V 940 2.0 i Turbo 16V 960 2.0 I Turbo 16V <b>Eng. B204 FT</b> 1986 cc.	89	1378473-1 1378474-9	IN EX	<b>R4734/RCR</b> <b>R4735/RCR</b>	32.5 29.5	7 7	122.5 122.6	I I	45° 45°
1974/83 1980 1981 1985 1988 1985 1985/91	4	242 - 244 - 245 <b>Eng. B21 A/E</b> 244 - 245 Turbo B21 ET 2127 cc. 240 - 740 GLE - GLT <b>Eng. B23 A/E</b> 740 <b>Eng. B230 E</b> 2316 cc. 240 740 GL - GLE 760 940 GL - GLE <b>Eng. B230 F - B230FB</b> 2316 cc.	96	463395-4 463526-4 3547247-1	IN EX	<b>R4313/SCR</b> <b>R4314/RCR</b>	44 35	8 8	110.5 110.8	I I	45° 45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11427</b> <b>GS11427</b>	IN/EX IN/EX	39 39	5.5 5.5	11.05 11.05	G SM	L L
419652 419563	<b>G2644</b> <b>G2647</b>	IN/EX EX	52 59	8 8	13.52 13.52	G G	C.I. C.I.
1378960	<b>G3507</b> <b>G3508</b>	IN/EX	55	7	12.03 12.08	G	C.I.
419652	<b>G2644</b>	IN/EX	52	8	13.52	G	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
	<b>PI 06-0016</b>	I
463075-2	<b>PI 03-102</b>	M


**NOTE  
remarks**
**VOLVO**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1982/88 1988 1986	4	740 - 760 Turbo 780 Turbo 940 Turbo <b>Eng. B23 ET/FT</b> 2316 cc.	96	463395-4 463526-4 3547247-1	IN EX	<b>R4313/SCR</b> <b>R4314/RCR</b>	44 35	8 8	110.5 110.8	I I	45° 45°

## VOLVO DIESEL

2005	4	S40 1.6 DI 16V V50 1.6 DI 16V	75	30711498 30711497	IN EX	<b>R6397/SCR</b> <b>R6398/BMCR</b>	25.6 23.4	5.5 5.5	96.4 96.6	I I	45° 45°
2005		C30 1.6 DI 16V <b>Eng. D4164T</b> 1560 cc.									
2011 2010	4	S60 1.6 DRIVe V60 1.6 DRIVe C30 1.6 D2 S40 1.6 D2 V40 1.6 D2 V70 1.6 D2 S80 1.6 D2 1560 cc.	75	31330181 31330182	IN EX	<b>R6726/SCR</b> <b>R6727/RCR</b>	30.15 27.5	5.5 5.5	95.60 95.50	I I	45° 45°
1979/1	6	244 GLD - 245 GLD <b>Eng. D24</b> 2383 cc.	76.5	1257053 1257054	IN EX	<b>R3641/S</b> <b>R3565/R</b>	36 31	8 8	105 104.5	EE EE	45° 45°
8/81-89 1984/92 1990/94	6	240 2.4 D 740 2.4 D 940 2.4 D <b>Eng. D24</b> 2383 cc.	76.5	1328088-8 1328089-6	IN EX	<b>R3662/S</b> <b>R3647/R</b>	36 31	8 8	105 104.5	I I	45° 45°
1985 1982 1990	6	240 GLD - 740 GLD 940 GLD <b>Eng. D24</b> 2383 cc. 740 GLE TD 760 GLE TD 940 GLE TD 960 GLE TD <b>Eng. D24 T</b> 2303 cc.	76.5	1328147-2 1328148-0	IN EX	<b>R3662/S</b> <b>R3647/R</b>	36 31	8 8	105 104.5	I I	45° 45°
1985 1990	6	740 GLE TD 760 GLE TD 780 GLE TD 940 GLE TD 960 GLE TD <b>Eng. D24 TIC</b> 2383 cc.	76.5	1389261-7 1389262-5	IN EX	<b>R3662/S</b> <b>R3647/R</b>	36 31	8 8	105 104.5	I I	45° 45°
1984	4	360 D <b>Eng. D16</b> 1596 cc.	78	3287966-0 3287967-8	IN EX	<b>R4164/S</b> <b>R4165/R</b>	36.3 31.6	8 8	111.7 111.3	E E	30° 45°



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
419652	<b>G2644</b>	IN/EX	52	8	13.52	G	C.I.
	<b>G11413 G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
	<b>G11413 G11414</b>	IN/EX	34	5.5	9.54 9.59	G	L
1257613 - 8	<b>G2664 G2665 G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1257613 - 8	<b>G2664 G2665 G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1257613 - 8	<b>G2664 G2665 G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
1257613 - 8	<b>G2664 G2665 G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	<b>G3244 G3245</b>	IN/EX	39	8.01	13.06 13.11	B	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
30711499 30711504	<b>PI 06-0019 RA06-934</b>	I
	<b>PI 06-0019 RA06-914</b>	I
034109309N	<b>PI 06-0001</b>	I
034109309N	<b>PI 06-0001</b>	I
034109309N	<b>PI 06-0001</b>	I
7700716248	<b>PI 03-103</b>	M


 NOTE  
remarks

VOLVO

VOLVO DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1994/96	4	440/460 1.9 TD <b>Eng. D19T</b> Up to eng. N. 930900 1870 cc.	80	7701466716 7701466717	IN EX	<b>R4717/S</b> <b>R4718/R</b>	36.2	8	111.7	E	30°
							31.6	8	111.7	E	45°
1994/96	4	440/460 1.9 TD <b>Eng. D19T</b> From to eng. N. 930901 1870 cc.	80	7701468035 7701466717	IN EX	<b>R4716/S</b> <b>R4718/R</b>	35	8	111.6	E	45°
							31.6	8	111.7	E	45°
1995/99	4	V40 1.9 TD <b>Eng. D4192T2</b> 1870 cc.	80	7701471704	IN	<b>R6062/BM</b>	35	8	110.1	E	45°
				7701468190	IN	<b>R4719/S</b>	35	8	110.5	E	45°
				7701471705	EX	<b>R4942/BM</b>	31.5	8	110	E	45°
1999/00	4	S40 1.9 TDI V40 1.9 TDI <b>Eng. D419T2</b> 1870 cc.	80	30889401	IN	<b>R4973/S</b>	35.3	7	110.9	E	45°
				30889403	EX	<b>R4974/R</b>	32.6	7	110.7	E	45°
2000	4	S40 1.9 TCI V40 1.9 TCI <b>Eng. D4192T3/T4</b> 1870 cc.	80	30889401	IN	<b>R4973/S</b>	35.3	7	110.9	E	45°
				30889403	EX	<b>R4974/R</b>	32.6	7	110.7	E	45°
1996	5	850 2.5 TDI	81	9186565	IN	<b>R4776/BMCR</b>	36	8	96.9	I	45°
1997		S70 2.5 TDI		9186565	EX	<b>R4777/BMCR</b>	31.4	8	96.9	I	45°
1997		V70 2.5 TDI									
1999		S80 2.5 TDI <b>Eng. D252T</b> 2461 cc.									
2003	5	XC 70 2.4 TD <b>Eng. D5244T2</b>	81	8631650	IN	<b>R6447/SNT</b>	28.8	6	98.1	I	45°
2003		XC 90 2.4 TD <b>Eng. D5244T/T4/T5</b> 2400 cc.		8631651	EX	<b>R6448/BMARNT</b>	26.2	6	97.8	I	45°
2006	5	C30 2.4 D5 20V	81	8631650	IN	<b>R6447/SNT</b>	28.8	6	98.1	I	45°
2001		S60 2.4 D5 20V		8631651	EX	<b>R6448/BMARNT</b>	26.2	6	97.8	I	45°
2001		C70 2.4 D5 20V									
2001		S80 2.4 D5 20V									
2001		V70 2.4 D5 20V <b>Eng. 5244T/T4/T8</b> 2400 cc.									
2014	5	V60 2.4 D6 20V Hybrid <b>Eng. 82PEV</b> 2400 cc.	81	8631650	IN	<b>R6447/SNT</b>	28.8	6	98.1	I	45°
				8631651	EX	<b>R6448/BMARNT</b>	26.2	6	97.8	I	45°
2016	4	V90 2.0 D3	82	31375602	IN	<b>R6927/SNT</b>	28.9	6	100.9	I	45°
<b>NEW</b>		XC60-XC70-XC90 2.0D5 <b>Eng. D4204T11/T20/T23</b> D4204T4/T5/T6/T8/T9 1969 cc.		31375168	EX	<b>R6928/BMNT</b>	24.3	6	100.2	I	45°

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G3244</b> <b>G3245</b>	IN/EX	39	8.01	13.06 13.11	B	C.I.
	<b>G3244</b> <b>G3245</b>	IN/EX	39	8.01	13.06 13.11	B	C.I.
30882363	<b>G11161</b> <b>G11162</b> <b>G11163</b>	IN/EX	37.7	8	13.07 13.12 13.27	B	C.I.
7700859086	<b>G13600</b> <b>G11164</b>	IN/EX	38.3	7	12.06 12.11	B	C.I.
	<b>G11165</b>	IN/EX	49	7.01	12.07	B	C.I.
7700859086	<b>G13600</b> <b>G11164</b>	IN/EX	38.3	7	12.06 12.11	B	C.I.
	<b>G11165</b>	IN/EX	49	7.01	12.07	B	C.I.
1257613 - 8	<b>G2664</b> <b>G2665</b> <b>G2666</b>	IN/EX	36.5	8	12.06 12.11 12.16	B	C.I.-F
	<b>G11507</b>	IN/EX	39.5	6	11.52	G	C.I.
	<b>G11507</b>	IN/EX	39.5	6	11.52	G	C.I.
	<b>G11507</b>	IN/EX	39.5	6	11.52	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
7700716248	<b>PI 03-103</b>	M
7700716248	<b>PI 03-103</b>	M
034109309N	<b>PI 06-0001</b>	I
8670047 8670045	<b>PI 06-0019</b> <b>RA06-964</b>	I
8670047 8670045	<b>PI 06-0019</b> <b>RA06-964</b>	I
8670047 8670045	<b>PI 06-0019</b> <b>RA06-964</b>	I


 NOTE  
remarks

VOLVO DIESEL

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓					
							D	d	L			
2006	4	C30 2.0 D 16V	85	8653745	IN	<b>R6163/SCR</b>	29.8	6	105	I	45°	
2000		S40 2.0 D 16V		8659744	EX	<b>R6164/BMCR</b>	25	6	105	I	45°	
		V50 2.0 D 16V										
2008		C70 2.0 D 16V										
2007		V70 2.0 D 16V										
		<b>Eng. D4204T</b>										
		1997 cc.										

## VOLVO INDUSTRIAL AND COMMERCIAL

1975	6	B/F 609 - F 611	98.42	420553-0	IN	<b>R4564/SCR</b>	41	8	145.3	N	30°	
		<b>Eng. D60</b>		3825723								
1975/78		F613		465549-4	EX	<b>R4565/RCR</b>	37	8	145.3	N	45°	
		<b>Eng. TD60 - Turbo</b>		8192143								
1985		F614										
		<b>Eng. TD61 - Turbo</b>										
		FL608 - 613 - 614 - 617										
		<b>Eng. TD61 F/G - Turbo</b>										
		5480 cc.										
1991		FL610 - 611 - 613 - 614										
		<b>Eng. TD63 E-ES-Turbo</b>										
		6730 cc.										
2000	6	FL 180 - FL 6 E/H	98.42	420553-0	IN	<b>R4564/SCR</b>	41	8	145.3	N	30°	
		<b>Eng. D6B 180/220/250</b>		3825723								
		5480 cc.		465549-4	EX	<b>R4565/RCR</b>	37	8	145.3	N	45°	
				8192143								
1965	6	F/N 86	104.775	421016-7	IN	<b>R3279/SCR</b>	43	11	148.5	K	30°	
		<b>Eng. D70 A - B - C</b>		421017-5	EX	<b>R3280/RCR</b>	37	11	148.5	K	45°	
1965/74		B54 - N7 - N86		421208-0								
		<b>Eng. TD70 A-B-C- Turbo</b>										
		6730 cc.										
1976	6	B57 - F7/86 - TF86/88	104.775	466379-5	IN	<b>R3945/SCR</b>	43	11	148.5	EE	30°	
		TN7 - 86DTC		471195-8	EX	<b>R4333/RCR</b>	37	11	148.5	EE	45°	
		<b>Eng. TD70 E - F - G</b>		471196	EX	<b>R3946/RCR</b>	37	11	148.5	EE	45°	
		<b>Eng. TD70 Turbo</b>		466381								
1979/85		F7										
		<b>Eng. TD FS - Turbo</b>										
1985		FL7										
		<b>Eng. TD71 F - FD - FQ</b>										
		<b>Eng. TD 71 - Turbo</b>										
		6730 CC.										
1985/98	6	FL 7/230 - 260	104.8	477447	IN	<b>R6302/SCR</b>	43	8	149.6	K	30°	
		<b>Eng. TD73 E/ES</b>		477443	EX	<b>R6303/BMCR</b>	39	8	149.5	K	45°	
		6725 cc.										
1985/98	6	FL 7/230 - 260	104.8	3978768	IN	<b>R6449/SCR</b>	43	8	149.7	EE	30°	
		<b>Eng. TD73 E/ES</b>		3978766	EX	<b>R6450/BMCR</b>	39	8	149.7	EE	45°	
		6725 cc.										

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
	<b>G11319</b> <b>G11320</b> <b>GS11319</b>	IN/EX IN/EX	41.5	6	10.06 10.11 10.06	G SM	L L
465157-6	<b>G3506</b>	IN/EX	64.5	8	16.03	G	C.I.
477877	<b>G3506</b>	IN/EX	64.5	8	16.03	G	C.I.
15451354	<b>G3312</b>	IN/EX	66	11.02	17.99	G	L
466386	<b>G11372</b> <b>G11373</b>	IN/EX	66	11.04	17.99 18.04	G	C.I.
477877	<b>G3506</b>	IN/EX	64.5	8	16.03	G	C.I.
477877	<b>G3506</b>	IN/EX	64.5	8	16.03	G	C.I.





**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
30711499	<b>PI 06-0019</b>	


**NOTE  
remarks**
**VOLVO DIESEL**
**VOLVO INDUSTRIAL AND COMMERCIAL**

## VALVOLE ENGINE VALVES







ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006	6	FE 280-FE320 <b>Eng. D7E320</b> 7100 cc.	108	20833932 20980413 20833936 20997871	IN  EX	<b>R6759/BMCR</b>  <b>R6760/BMCR</b>	38.2	8	145.7	I	30°
							35.8	8	145.8	I	45°
2002	6	FM9-260 FM9-300 FM9-340 FM9-380 <b>Eng. D9A</b> 9360 cc.	120	20450002 8148069	IN EX	<b>R6380/SCR</b> <b>R6381/BMCR</b>	38	8	191.7	EE	30°
							38	8	191.5	EE	30°
2001/05	6	FM9FM <b>Eng. D9A260</b> <b>Eng. D9A300</b> <b>Eng. D9A340</b> <b>Eng. D9A380</b> 9364 cc.	120	20528113 20570965	IN EX	<b>R6753/BMCR</b> <b>R6754/BMCR</b>	38	8	192	I	30°
							38	8	191.70	I	30°
1965	6	B56 - 58 - 61 F/N88 <b>Eng. D100A</b> F/N10 - F/N88 <b>Eng. TD100A - Turbo</b> 9599 cc.	120.65	422016-6 422017-4	IN EX	<b>R3607/SCR</b> <b>R3608/RCR</b>	50	11	167	K	30°
							46	11	167	K	45°
1965	6	F/N100 <b>Eng. TD 100A-B - Turbo</b>	120.65	467502-1 1545290 479204 8194223 479261	IN	<b>R4032/SCR</b>	50	11	167	EE	30°
1981											
1983	FL10 <b>Eng. TD101FA-FC</b> <b>Eng. TD101 - Turbo</b>	467503 467682	EX EX	<b>R4033/RCR</b> <b>R4332/RCR</b>	46	11	167	EE	45°		
1984										B/N10 <b>Eng. THD 100E - Turbo</b> <b>Eng. THD 101K - Turbo</b>	467503 467682
1991	B10 R-M F10 - FL10 - FS10 <b>Eng. THD102KF-Turbo</b> <b>Eng. TD103 E-ES-Turbo</b> 9599 cc.	467503 467682	EX EX	<b>R4033/RCR</b> <b>R4332/RCR</b>	46	11	167	EE	45°		



## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓ d				
							D	d	L		
2012	6	FM330	123	20540012	IN EX	<b>R6932/BMARCR</b> <b>R6933/BMARCR</b>	40	8	192	I	30°
		FM370		20540013							
		FM410		20540017							
		FM450		20737856							
		FMX330		21427620							
		FMX370		20464020							
		FMX410		20564019							
		<b>Eng. D11A430</b>		20564020							
		<b>Eng. D11C330</b>		21430918							
		<b>Eng. D11C370</b>		22686466							
		<b>Eng. D11C410</b>		3842972							
		<b>Eng. D11C450</b>									
		<b>Eng. D11K330</b>									
<b>Eng. D11K370</b>											
<b>Eng. D11K380</b>											
<b>Eng. D11K410</b>											
<b>Eng. D11K430</b>											
<b>Eng. D11K450</b>											
<b>Eng. D11K460</b>											
10800-10840 cc.											
1970	6	F88/89	130.175	423016-5	IN EX	<b>R3737/SCR</b> <b>R3738/RCR</b>	54	11	167	K	30°
		<b>Eng. D120</b>		423017-3			50	11	167	K	45°
		F88/89									
		<b>Up to Eng. n. 10128</b>									
		<b>Eng. TD120 A-Turbo</b>									
		12000 cc.									
1970	6	F88/89	130.175	468302-5	IN EX	<b>R3739/SCR</b> <b>R3740/RCR</b>	54	11	167	EE	30°
		<b>From Eng. n. 10129</b>		468303-3			50	11	167	EE	45°
1977		F/N12									
		<b>Eng. TD120 - 121</b>									
		<b>Eng. TD120-121- Turbo</b>									
1988		F12									
		<b>Eng. TD122 F-FS-Turbo</b>									
		12000 cc.									
1993	6	FH 12-340	131	1547492	IN EX	<b>R6300/BMCR</b> <b>R6301/BMCR</b>	40	8	192	K	30°
		FH 12-380		8148574			40	8	191.7	EE	45°
		FH 12-480									
		<b>Eng. D12A 24V TURBO</b>									
		12100 cc.									
2002	6	FM 12-420	131	20459326	IN EX	<b>R6378/SCR</b> <b>R6379/BMCR</b>	40	8	192	EE	30°
		FH 12-420		20441945			40	8	191.7	EE	45°
		FH 12- 460									
		FH 12-500									
		<b>Eng. D12D-D12C</b>									
		12100 cc.									



**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
3183283	<b>G11374</b> <b>G11375</b>	IN/EX	83.4	8	15.00 15.04	G	C.I.
422320	<b>G2751</b>	IN	82	11.02	17.99	G	L
421297	<b>G3312</b>	EX	66	11.02	17.99	G	L
421291	<b>G2752</b>	EX	66	11.04	18.04	G	L
422320	<b>G2751</b>	IN	82	11.02	17.99	G	L
421297	<b>G3312</b>	EX	66	11.02	17.99	G	L
421291	<b>G2752</b>	EX	66	11.04	18.04	G	L
1546437	<b>G11374</b> <b>G11375</b>	IN/EX	83.4	8	15.00 15.04	G	C.I.
3183283	<b>G11374</b> <b>G11375</b>	IN/EX	83.4	8	15.00 15.04	G	C.I.

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
21881195	<b>RA06-986</b>	
20738717	<b>RA06-987</b>	
21024789	<b>RA06-989</b>	


**NOTE**  
remarks

**VOLVO INDUSTRIAL AND COMMERCIAL**
**RA06-986** NOZZLE RA  
**RA06-987** IN  
**RA06-989** EX

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
2006	6	FH 400 FH 440 FH 480 FH 500 FH 520 FM 360 FM 400 FM 440 FM 480 <b>Eng. D13A360 -A400</b> <b>Eng. D13A440-A520</b> <b>Eng. D13B360-B400</b> <b>Eng. D13B440-B500</b> 12800 cc.	131	20740798 20561995 20768519 20768506	IN	<b>R6587/BMCR</b>	42	8	192	I	35°
					EX	<b>R6588/BMCR</b>	40	8	191.6	I	50°
1987	6	F16 <b>Eng. TD162F- Turbo</b> 16121 cc.	142	1556472 1543026 1556473	IN	<b>R4687/SCR</b>	47	9.5	176.8	EE	30°
1994		FH16-470 <b>Eng. D16A 4V-Turbo</b> 16100 cc.		1543027 863702 1556896	EX	<b>R4688/BMCR</b>	45	9.5	176.9	EE	45°
1991		F16 <b>Eng. TD163ES- Turbo</b> 16120 cc.		144							
2003	6	FH16-FH550-FH610 <b>Eng. D16C550</b> <b>Eng. D16C610</b> 16120 cc.	144	20739057 20739058 24426433	IN	<b>R6815/SARCR</b>	49	10	192.9	S	25°
				20513284 20513285	EX	<b>R6816/BMARCR</b>	46	10	191.4	S	45°

## ZETOR

1960/77	2	Tractor 2011 - 2013 2017 - 2023 - 2511 <b>Eng. 2001</b> 1560 cc.	95	950505 950506	IN EX	<b>R3650/S</b> <b>R3651/S</b>	39 33	8 10	129 127.5	Q D	45° 45°
				3	Tractor 3011 - 3013 3016 - 3017 - 3511 <b>Eng. 3001</b> 2340 cc.	Spessore testa maggiorato 1 mm	IN EX	<b>R4060/S</b> <b>R4061/S</b>	39 33	8 10	129 127.5
4	Tractor 4011 - 4045 4511 - 5511 <b>Eng. 5711</b> 3120 cc.		Spessore testa maggiorato 2 mm			IN EX	<b>R4062/S</b> <b>R4063/S</b>	39 33	8 10	129 127.5	Q D

**GUIDAVALVOLE  
VALVE GUIDES**


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
20904074	<b>G11493</b> <b>G11494</b>	IN/EX	83.4	8	15.00 15.04	G	C.I.
1556607-8	<b>G11205</b> <b>G11206</b>	IN	82	9.53	16.00 16.05	G	L
1556604-5	<b>G11207</b> <b>G11208</b>	EX	71	9.53	16.00 16.05	G	L
20916916 20562837	<b>G11586</b>	IN/EX	83.4	10	16.00	G	C.I.
950504 950530	<b>G2676</b> <b>G2677</b>	IN EX	70 64	8 10	15.04 15.04	G G	F F

**PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS**





N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I
21881195 21637266 21024789	<b>RA06-986</b> <b>RA06-988</b> <b>RA06-989</b>	


**NOTE  
remarks**
**RA06-986** NOZZLE RA  
**RA06-988** IN  
**RA06-989** EX

**VOLVO INDUSTRIAL AND COMMERCIAL**
**ZETOR**

## VALVOLE ENGINE VALVES



ANNO year	CIL cyls	MARCA E MODELLO make-type		N. ORIGINALE o.e. number	IN/EX 	RIFERIMENTO FRECCIA Freccia reference	mm. ↓				
							D	d	L		
1969	4	Tractor 8011 - 8045 <b>Eng. 8001</b> 4562 cc.	110	480005014 480005015	IN EX	<b>R4039/R</b> <b>R4040/R</b>	49	10	139	E	45°
							41.5	10	139	E	45°
1969	6	Tractor 8611 - 12011 12045 <b>Eng. 8601</b> 6842 cc.									
1978	4	Tractor 6911 - 6945 3595 CC.	110	69010554 69010555 Spessore testa maggiorato 1 mm	IN	<b>R4037/S</b>	44	10	129.5	E	45°
					EX	<b>R4038/S</b>	36.5	10	129.5	E	45°
					IN	<b>R4142/S</b>	44	10	129.5	E	45°
					EX	<b>R4143/S</b>	36.5	10	129.5	E	45°

**GUIDAVALVOLE  
VALVE GUIDES**



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	IN/EX	DIMENSIONI			MATERIALE material	FORMA shape
			L	d	D		
80005101	<b>G3073</b>	IN/EX	68.5	10	16.04	G	F

PI PUNTERIE · LIFTERS  
RA BILANCIERI  
ROCKER ARMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	M/I

NOTE remarks

ZETOR



*freccia*

**PASTIGLIE REGISTRO VALVOLE**

**VALVE SHIMS**

**PASTILLES DE RÉGLAGE SOUPAGE**

**VENTILEINSTELLSCHEIBEN**

**DISCOS DE REGLAJE**

**ОБКЛАДКА РЕГУЛЯТОРА КЛАПАНА**

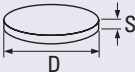






## PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

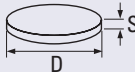


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
4162888	<b>01 - 178</b>	33 x 4.55	A	N
4162889	<b>01 - 179</b>	33 x 4.60	A	N
4162890	<b>01 - 180</b>	33 x 4.65	A	N
4162891	<b>01 - 181</b>	33 x 4.70	A	N
4294418	<b>01 - 182</b>	33 x 4.75	A	N
4294419	<b>01 - 183</b>	33 x 4.80	A	N
4294420	<b>01 - 184</b>	33 x 4.85	A	N
4294421	<b>01 - 185</b>	33 x 4.90	A	N
	<b>01 - 575</b>	33 X 4.95	A	N
	<b>01 - 564</b>	33 X 5.00	A	N
	<b>01 - 565</b>	33 X 5.05	A	N
	<b>01 - 566</b>	33 X 5.10	A	N
	<b>01 - 567</b>	33 X 5.20	A	N

## FIAT- LANCIA

UNO - PANDA - PUNTO 55 - 60 - 75 - PUNTO II VAN 1.2  
PUNTO III 1.2 8V - NUOVA PANDA 1.2 8V - PALIO 1.2  
CINQUECENTO 1.1 - SEICENTO 1.1 - DOBLO VAN 1.2  
Y10 - Y 1.1 - Y 1.2 - ENG. FIRE - YPSILION 1.2 8V

	<b>01 - 100</b>	31 x 2.70	A	N
	<b>01 - 101</b>	31 x 2.75	A	N
	<b>01 - 102</b>	31 x 2.80	A	N
	<b>01 - 103</b>	31 x 2.85	A	N
	<b>01 - 104</b>	31 x 2.90	A	N
	<b>01 - 105</b>	31 x 2.95	A	N
	<b>01 - 106</b>	31 x 3.00	A	N
	<b>01 - 107</b>	31 x 3.05	A	N
	<b>01 - 108</b>	31 x 3.10	A	N
	<b>01 - 109</b>	31 x 3.15	A	N
5942889	<b>01 - 110</b>	31 x 3.20	A	N
5942862	<b>01 - 111</b>	31 x 3.25	A	N
5942863	<b>01 - 112</b>	31 x 3.30	A	N
5942864	<b>01 - 113</b>	31 x 3.35	A	N
5942865	<b>01 - 114</b>	31 x 3.40	A	N
5942866	<b>01 - 115</b>	31 x 3.45	A	N
5942867	<b>01 - 116</b>	31 x 3.50	A	N
5942868	<b>01 - 117</b>	31 x 3.55	A	N
5942869	<b>01 - 118</b>	31 x 3.60	A	N
5942870	<b>01 - 119</b>	31 x 3.65	A	N
5942871	<b>01 - 120</b>	31 x 3.70	A	N
5942872	<b>01 - 121</b>	31 x 3.75	A	N
5942873	<b>01 - 122</b>	31 x 3.80	A	N
5942874	<b>01 - 123</b>	31 x 3.85	A	N
5942875	<b>01 - 124</b>	31 x 3.90	A	N
5942876	<b>01 - 125</b>	31 x 3.95	A	N
5942861	<b>01 - 126</b>	31 x 4.00	A	N
5942877	<b>01 - 127</b>	31 x 4.05	A	N
5942878	<b>01 - 128</b>	31 x 4.10	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
5942879	<b>01 - 129</b>	31 x 4.15	A	N
5942880	<b>01 - 130</b>	31 x 4.20	A	N
5942881	<b>01 - 131</b>	31 x 4.25	A	N
5942882	<b>01 - 132</b>	31 x 4.30	A	N
5942883	<b>01 - 133</b>	31 x 4.35	A	N
5942884	<b>01 - 134</b>	31 x 4.40	A	N
5942885	<b>01 - 135</b>	31 x 4.45	A	N
5942886	<b>01 - 136</b>	31 x 4.50	A	N
	<b>01 - 493</b>	31 x 4.55	A	N
	<b>01 - 494</b>	31 x 4.60	A	N
	<b>01 - 495</b>	31 x 4.65	A	N
	<b>01 - 496</b>	31 x 4.70	A	N

## FIAT

ULYSSE 1.9 TD - SCUDO 1.9 TD - DUCATO 94 2.0 BENZ

DUCATO 02 2.0 MPI

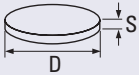
LANCIA

Z 2.0 IE

	<b>01 - 225</b>	13.42 x 1.60	A	N
	<b>01 - 226</b>	13.42 x 1.65	A	N
	<b>01 - 227</b>	13.42 x 1.70	A	N
	<b>01 - 228</b>	13.42 x 1.75	A	N
	<b>01 - 229</b>	13.42 x 1.80	A	N
	<b>01 - 230</b>	13.42 x 1.85	A	N
	<b>01 - 232</b>	13.42 x 1.90	A	N
	<b>01 - 233</b>	13.42 x 1.95	A	N
	<b>01 - 234</b>	13.42 x 2.00	A	N
	<b>01 - 235</b>	13.42 x 2.05	A	N
	<b>01 - 237</b>	13.42 x 2.10	A	N
	<b>01 - 238</b>	13.42 x 2.15	A	N
	<b>01 - 239</b>	13.42 x 2.20	A	N
	<b>01 - 240</b>	13.42 x 2.25	A	N
	<b>01 - 242</b>	13.42 x 2.30	A	N
	<b>01 - 243</b>	13.42 x 2.35	A	N
	<b>01 - 244</b>	13.42 x 2.40	A	N
	<b>01 - 245</b>	13.42 x 2.45	A	N
	<b>01 - 247</b>	13.42 x 2.50	A	N
	<b>01 - 248</b>	13.42 x 2.55	A	N
	<b>01 - 249</b>	13.42 x 2.60	A	N
	<b>01 - 250</b>	13.42 x 2.65	A	N
	<b>01 - 252</b>	13.42 x 2.70	A	N
	<b>01 - 253</b>	13.42 x 2.75	A	N
	<b>01 - 254</b>	13.42 x 2.80	A	N
	<b>01 - 255</b>	13.42 x 2.85	A	N
	<b>01 - 257</b>	13.42 x 2.90	A	N
	<b>01 - 258</b>	13.42 x 2.95	A	N
	<b>01 - 259</b>	13.42 x 3.00	A	N
	<b>01 - 260</b>	13.42 x 3.05	A	N



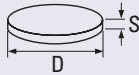
## PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	<b>01 - 262</b>	13.42 x 3.10	A	N
	<b>01 - 263</b>	13.42 x 3.15	A	N
	<b>01 - 264</b>	13.42 x 3.20	A	N
	<b>01 - 265</b>	13.42 x 3.25	A	N
	<b>01 - 267</b>	13.42 x 3.30	A	N
	<b>01 - 268</b>	13.42 x 3.35	A	N
	<b>01 - 269</b>	13.42 x 3.40	A	N
	<b>01 - 270</b>	13.42 x 3.45	A	N
	<b>01 - 272</b>	13.42 x 3.50	A	N
	<b>01 - 273</b>	13.42 x 3.55	A	N
	<b>01 - 326</b>	13.42 x 3.60	A	N
	<b>01 - 327</b>	13.42 x 3.65	A	N

## FIAT

PANDA 1.1 - 1.2 8V - GRANDE PUNTO 1.2 - 1.4 8V - IDEA 1.4 8V

55194607	<b>01 - 576</b>	31 X 1.80	A-SPECIAL	N
55194608	<b>01 - 577</b>	31 X 1.85	A-SPECIAL	N
55194609	<b>01 - 578</b>	31 X 1.90	A-SPECIAL	N
55194611	<b>01 - 579</b>	31 X 1.95	A-SPECIAL	N
55194613	<b>01 - 580</b>	31 X 2.00	A-SPECIAL	N
55194615	<b>01 - 581</b>	31 X 2.05	A-SPECIAL	N
55194617	<b>01 - 582</b>	31 X 2.10	A-SPECIAL	N
55194619	<b>01 - 583</b>	31 X 2.15	A-SPECIAL	N
55194621	<b>01 - 584</b>	31 X 2.20	A-SPECIAL	N
55194623	<b>01 - 585</b>	31 X 2.25	A-SPECIAL	N
55194625	<b>01 - 586</b>	31 X 2.30	A-SPECIAL	N
55194627	<b>01 - 587</b>	31 X 2.35	A-SPECIAL	N
55194629	<b>01 - 588</b>	31 X 2.40	A-SPECIAL	N
55194631	<b>01 - 589</b>	31 X 2.45	A-SPECIAL	N
55194633	<b>01 - 590</b>	31 X 2.50	A-SPECIAL	N
55194635	<b>01 - 591</b>	31 X 2.55	A-SPECIAL	N
55194637	<b>01 - 592</b>	31 X 2.60	A-SPECIAL	N
55194639	<b>01 - 593</b>	31 X 2.65	A-SPECIAL	N
55194641	<b>01 - 594</b>	31 X 2.70	A-SPECIAL	N
55194643	<b>01 - 595</b>	31 X 2.75	A-SPECIAL	N
55194645	<b>01 - 596</b>	31 X 2.80	A-SPECIAL	N
55194647	<b>01 - 597</b>	31 X 2.85	A-SPECIAL	N
55194649	<b>01 - 598</b>	31 X 2.90	A-SPECIAL	N
55194651	<b>01 - 599</b>	31 X 2.95	A-SPECIAL	N
55194653	<b>01 - 600</b>	31 X 3.00	A-SPECIAL	N
55194655	<b>01 - 601</b>	31 X 3.05	A-SPECIAL	N
55194657	<b>01 - 602</b>	31 X 3.10	A-SPECIAL	N
55194659	<b>01 - 603</b>	31 X 3.15	A-SPECIAL	N
55194661	<b>01 - 604</b>	31 X 3.20	A-SPECIAL	N
55194663	<b>01 - 605</b>	31 X 3.25	A-SPECIAL	N
55194665	<b>01 - 606</b>	31 X 3.30	A-SPECIAL	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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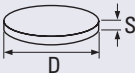
## FORD

FIESTA - ESCORT - SIERRA - ENG. 1.6 D

	<b>01 - 100</b>	31 x 2.70	A	N
	<b>01 - 101</b>	31 x 2.75	A	N
	<b>01 - 102</b>	31 x 2.80	A	N
	<b>01 - 103</b>	31 x 2.85	A	N
	<b>01 - 104</b>	31 x 2.90	A	N
	<b>01 - 105</b>	31 x 2.95	A	N
84FM6K514AAA	<b>01 - 106</b>	31 x 3.00	A	N
84FM6J514ABA	<b>01 - 107</b>	31 x 3.05	A	N
84FM6K514ACA	<b>01 - 108</b>	31 x 3.10	A	N
84FM6K514ADA	<b>01 - 109</b>	31 x 3.15	A	N
84FM6K514AEA	<b>01 - 110</b>	31 x 3.20	A	N
84FM6K514AFA	<b>01 - 111</b>	31 x 3.25	A	N
84FM6K514AGA	<b>01 - 112</b>	31 x 3.30	A	N
84FM6K514AHA	<b>01 - 113</b>	31 x 3.35	A	N
84FM6K514AJA	<b>01 - 114</b>	31 x 3.40	A	N
84FM6K514AKA	<b>01 - 115</b>	31 x 3.45	A	N
84FM6K514ALA	<b>01 - 116</b>	31 x 3.50	A	N
84FM6K514AMA	<b>01 - 117</b>	31 x 3.55	A	N
84FM6K514ANA	<b>01 - 118</b>	31 x 3.60	A	N
84FM6K514ARA	<b>01 - 119</b>	31 x 3.65	A	N
84FM5K514ASA	<b>01 - 120</b>	31 x 3.70	A	N
84FM6K514ATA	<b>01 - 121</b>	31 x 3.75	A	N
84FM6K514BAA	<b>01 - 122</b>	31 x 3.80	A	N
84FM6K514BBA	<b>01 - 123</b>	31 x 3.85	A	N
84FM6K514BCA	<b>01 - 124</b>	31 x 3.90	A	N
84FM6K514BDA	<b>01 - 125</b>	31 x 3.95	A	N
84FM6K514BEA	<b>01 - 126</b>	31 x 4.00	A	N
84FM6K514BFA	<b>01 - 127</b>	31 x 4.05	A	N
84FM6K514BGA	<b>01 - 128</b>	31 x 4.10	A	N
84FM6K514BHA	<b>01 - 129</b>	31 x 4.15	A	N
84FM6K514BJA	<b>01 - 130</b>	31 x 4.20	A	N
84FM6K514BKA	<b>01 - 131</b>	31 x 4.25	A	N
84FM6K514BLA	<b>01 - 132</b>	31 x 4.30	A	N
	<b>01 - 133</b>	31 x 4.35	A	N
	<b>01 - 134</b>	31 x 4.40	A	N
	<b>01 - 135</b>	31 x 4.45	A	N
	<b>01 - 136</b>	31 x 4.50	A	N
	<b>01 - 493</b>	31 x 4.55	A	N
	<b>01 - 494</b>	31 x 4.60	A	N
	<b>01 - 495</b>	31 x 4.65	A	N
	<b>01 - 496</b>	31 x 4.70	A	N

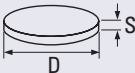
## PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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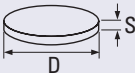
### FORD

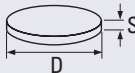
FOCUS - MONDEO - COUGAR - ENG. ZETEC E SEFI  
1.6/1.8 16V / 20V

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	<b>01 - 458</b>	27.5 x 1.80	A	N
	<b>01 - 459</b>	27.5 x 1.85	A	N
	<b>01 - 460</b>	27.5 x 1.90	A	N
	<b>01 - 461</b>	27.5 x 1.95	A	N
	<b>01 - 356</b>	27.5 x 2.00	A	N
	<b>01 - 357</b>	27.5 x 2.05	A	N
	<b>01 - 358</b>	27.5 x 2.10	A	N
	<b>01 - 359</b>	27.5 x 2.15	A	N
	<b>01 - 360</b>	27.5 x 2.20	A	N
	<b>01 - 361</b>	27.5 x 2.25	A	N
	<b>01 - 362</b>	27.5 x 2.30	A	N
	<b>01 - 363</b>	27.5 x 2.35	A	N
	<b>01 - 364</b>	27.5 x 2.40	A	N
	<b>01 - 365</b>	27.5 x 2.45	A	N
	<b>01 - 366</b>	27.5 x 2.50	A	N
	<b>01 - 367</b>	27.5 x 2.55	A	N
	<b>01 - 368</b>	27.5 x 2.60	A	N
	<b>01 - 369</b>	27.5 x 2.65	A	N
	<b>01 - 370</b>	27.5 x 2.70	A	N
	<b>01 - 502</b>	27.5 x 2.75	A	N
	<b>01 - 372</b>	27.5 x 2.80	A	N
	<b>01 - 373</b>	27.5 x 2.85	A	N
	<b>01 - 374</b>	27.5 x 2.90	A	N
	<b>01 - 375</b>	27.5 x 2.95	A	N
	<b>01 - 376</b>	27.5 x 3.00	A	N
	<b>01 - 503</b>	27.5 x 3.05	A	N
	<b>01 - 504</b>	27.5 x 3.10	A	N
	<b>01 - 505</b>	27.5 x 3.15	A	N
	<b>01 - 506</b>	27.5 x 3.20	A	N
	<b>01 - 507</b>	27.5 x 3.25	A	N
	<b>01 - 509</b>	27.5 x 3.30	A	N

### FORD

FIESTA IV - ENG. ZETEC SE - 1.2I 16V - FIESTA IV - PUMA  
FOCUS - ENG. ZETEC SE - 1.4I 16V

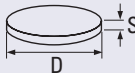
N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
1004306	<b>01 - 490</b>	25 x 2.00	A	N
1004308	<b>01 - 491</b>	25 x 2.05	A	N
1004310	<b>01 - 492</b>	25 x 2.10	A	N
1004314	<b>01 - 462</b>	25 x 2.15	A	N
1004317	<b>01 - 463</b>	25 x 2.20	A	N
1004321	<b>01 - 464</b>	25 x 2.25	A	N
1004327	<b>01 - 465</b>	25 x 2.30	A	N
1004332	<b>01 - 466</b>	25 x 2.35	A	N
1004335	<b>01 - 467</b>	25 x 2.40	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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1004340	<b>01 - 468</b>	25 x 2.45	A	N
1004343	<b>01 - 469</b>	25 x 2.50	A	N
1004345	<b>01 - 470</b>	25 x 2.55	A	N
1004347	<b>01 - 471</b>	25 x 2.60	A	N
1004349	<b>01 - 472</b>	25 x 2.65	A	N
1004351	<b>01 - 473</b>	25 x 2.70	A	N
1004353	<b>01 - 474</b>	25 x 2.75	A	N
1004356	<b>01 - 475</b>	25 x 2.80	A	N
1004359	<b>01 - 476</b>	25 x 2.85	A	N
1004363	<b>01 - 477</b>	25 x 2.90	A	N
1004367	<b>01 - 478</b>	25 x 2.95	A	N
1009973	<b>01 - 479</b>	25 x 3.00	A	N
1004388	<b>01 - 480</b>	25 x 3.05	A	N
1009974	<b>01 - 481</b>	25 x 3.10	A	N
1004392	<b>01 - 482</b>	25 x 3.15	A	N
1004394	<b>01 - 483</b>	25 x 3.20	A	N
1004396	<b>01 - 484</b>	25 x 3.25	A	N
1004399	<b>01 - 485</b>	25 x 3.30	A	N
	<b>01 - 486</b>	25 x 3.35	A	N
	<b>01 - 487</b>	25 x 3.40	A	N
	<b>01 - 488</b>	25 x 3.45	A	N
	<b>01 - 489</b>	25 x 3.50	A	N

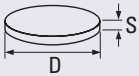
### IVECO

ENG. SOFIM - 131 DIESEL - 132 DIESEL - 242 DIESEL  
ARGENTA DIESEL - CROMA DIESEL - DUCATO DIESEL 82/90  
DAILY 30.8 - 35.8 - 40.8  
LANCIA DIESEL  
THEMA TD

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
4713210	<b>01 - 569</b>	40 X 3.25	A	N
4713211	<b>01 - 275</b>	40 x 3.30	A	N
4713212	<b>01 - 276</b>	40 x 3.35	A	N
4713213	<b>01 - 277</b>	40 x 3.40	A	N
4713214	<b>01 - 278</b>	40 x 3.45	A	N
4713215	<b>01 - 279</b>	40 x 3.50	A	N
4713216	<b>01 - 280</b>	40 x 3.55	A	N
4713217	<b>01 - 281</b>	40 x 3.60	A	N
4713218	<b>01 - 282</b>	40 x 3.65	A	N
4713220	<b>01 - 283</b>	40 x 3.70	A	N
4713222	<b>01 - 284</b>	40 x 3.75	A	N
4713224	<b>01 - 285</b>	40 x 3.80	A	N
4713226	<b>01 - 286</b>	40 x 3.85	A	N
4713228	<b>01 - 287</b>	40 x 3.90	A	N
4713230	<b>01 - 288</b>	40 x 3.95	A	N
4713209	<b>01 - 289</b>	40 x 4.00	A	N
4713233	<b>01 - 290</b>	40 x 4.05	A	N
4713235	<b>01 - 291</b>	40 x 4.10	A	N
4713237	<b>01 - 292</b>	40 x 4.15	A	N



## PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
4713239	<b>01 - 293</b>	40 x 4.20	A	N
4713241	<b>01 - 294</b>	40 x 4.25	A	N
4713243	<b>01 - 295</b>	40 x 4.30	A	N
4713245	<b>01 - 296</b>	40 x 4.35	A	N
4713247	<b>01 - 297</b>	40 x 4.40	A	N
4713249	<b>01 - 298</b>	40 x 4.45	A	N
4713251	<b>01 - 299</b>	40 x 4.50	A	N
4713253	<b>01 - 300</b>	40 x 4.55	A	N
4713255	<b>01 - 301</b>	40 x 4.60	A	N
4713257	<b>01 - 570</b>	40 X 4.65	A	N
4713259	<b>01 - 571</b>	40 X 4.70	A	N
4713261	<b>01 - 572</b>	40 X 4.75	A	N
4713263	<b>01 - 573</b>	40 X 4.80	A	N
4713265	<b>01 - 574</b>	40 X 4.85	A	N
4713267	<b>01 - 568</b>	40 X 4.90	A	N

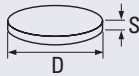
## KIA DIESEL

BESTA - ENG. R2 2.2D

MAZDA DIESEL

SERIE E2000 - ENG. R2 2.2D

	RIF. FRECCIA Freccia ref.	DIMENSIONI	MATERIALE material	FORMA shape
	<b>01 - 510</b>	32.35 x 3.40	A	N
	<b>01 - 511</b>	32.35 x 3.45	A	N
	<b>01 - 512</b>	32.35 x 3.50	A	N
	<b>01 - 513</b>	32.35 x 3.55	A	N
	<b>01 - 514</b>	32.35 x 3.60	A	N
	<b>01 - 515</b>	32.35 x 3.65	A	N
	<b>01 - 516</b>	32.35 x 3.70	A	N
	<b>01 - 517</b>	32.35 x 3.75	A	N
	<b>01 - 518</b>	32.35 x 3.80	A	N
	<b>01 - 519</b>	32.35 x 3.85	A	N
	<b>01 - 520</b>	32.35 x 3.90	A	N
	<b>01 - 521</b>	32.35 x 3.95	A	N
	<b>01 - 522</b>	32.35 x 4.00	A	N
	<b>01 - 523</b>	32.35 x 4.05	A	N
	<b>01 - 524</b>	32.35 x 4.10	A	N
	<b>01 - 525</b>	32.35 x 4.15	A	N
	<b>01 - 526</b>	32.35 x 4.20	A	N
	<b>01 - 527</b>	32.35 x 4.25	A	N
	<b>01 - 528</b>	32.35 x 4.30	A	N
	<b>01 - 529</b>	32.35 x 4.35	A	N
	<b>01 - 530</b>	32.35 x 4.40	A	N
	<b>01 - 531</b>	32.35 x 4.45	A	N
	<b>01 - 532</b>	32.35 x 4.50	A	N
	<b>01 - 533</b>	32.35 x 4.55	A	N
	<b>01 - 534</b>	32.35 x 4.60	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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## KIA DIESEL

SPORTAGE 2.0 TD - ENG. RF 1998 CC.

	RIF. FRECCIA Freccia ref.	DIMENSIONI	MATERIALE material	FORMA shape
	<b>01 - 535</b>	31.15 x 3.75	A	N
	<b>01 - 536</b>	31.15 x 3.80	A	N
	<b>01 - 537</b>	31.15 x 3.85	A	N
	<b>01 - 538</b>	31.15 x 3.90	A	N
	<b>01 - 539</b>	31.15 x 3.95	A	N
	<b>01 - 540</b>	31.15 x 4.00	A	N
	<b>01 - 541</b>	31.15 x 4.05	A	N
	<b>01 - 542</b>	31.15 x 4.10	A	N
	<b>01 - 543</b>	31.15 x 4.15	A	N
	<b>01 - 544</b>	31.15 x 4.20	A	N
	<b>01 - 545</b>	31.15 x 4.25	A	N
	<b>01 - 546</b>	31.15 x 4.30	A	N

## LADA

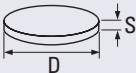
SAMARA - VAZ 2108

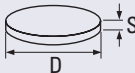
	RIF. FRECCIA Freccia ref.	DIMENSIONI	MATERIALE material	FORMA shape
	<b>01 - 100</b>	31 x 2.70	A	N
	<b>01 - 101</b>	31 x 2.75	A	N
	<b>01 - 102</b>	31 x 2.80	A	N
	<b>01 - 103</b>	31 x 2.85	A	N
	<b>01 - 104</b>	31 x 2.90	A	N
	<b>01 - 105</b>	31 x 2.95	A	N
1007056	<b>01 - 106</b>	31 x 3.00	A	N
1007056/10	<b>01 - 107</b>	31 x 3.05	A	N
1007056/11	<b>01 - 108</b>	31 x 3.10	A	N
1007056/12	<b>01 - 109</b>	31 x 3.15	A	N
1007056/13	<b>01 - 110</b>	31 x 3.20	A	N
1007056/14	<b>01 - 111</b>	31 x 3.25	A	N
1007056/15	<b>01 - 112</b>	31 x 3.30	A	N
1007056/16	<b>01 - 113</b>	31 x 3.35	A	N
1007056/18	<b>01 - 114</b>	31 x 3.40	A	N
1007056/20	<b>01 - 115</b>	31 x 3.45	A	N
1007056/22	<b>01 - 116</b>	31 x 3.50	A	N
1007056/24	<b>01 - 117</b>	31 x 3.55	A	N
1007056/26	<b>01 - 118</b>	31 x 3.60	A	N
1007056/28	<b>01 - 119</b>	31 x 3.65	A	N
1007056/30	<b>01 - 120</b>	31 x 3.70	A	N
1007056/32	<b>01 - 121</b>	31 x 3.75	A	N
1007056/34	<b>01 - 122</b>	31 x 3.80	A	N
1007056/36	<b>01 - 123</b>	31 x 3.85	A	N
1007056/38	<b>01 - 124</b>	31 x 3.90	A	N
1007056/40	<b>01 - 125</b>	31 x 3.95	A	N
1007056/42	<b>01 - 126</b>	31 x 4.00	A	N
1007056/44	<b>01 - 127</b>	31 x 4.05	A	N
1007056/46	<b>01 - 128</b>	31 x 4.10	A	N
1007056/48	<b>01 - 129</b>	31 x 4.15	A	N



## PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
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### OPEL DIESEL

CORSA A-B 1.5D - ENG. ISUZU 15D4EC1

ISUZU DIESEL

GEMINI 1.5D - ENG. ISUZU 15D4EC1

	<b>01 - 187</b>	31.5 x 2.35	A	N
	<b>01 - 188</b>	31.5 x 2.40	A	N
	<b>01 - 189</b>	31.5 x 2.45	A	N
	<b>01 - 190</b>	31.5 x 2.50	A	N
	<b>01 - 191</b>	31.5 x 2.55	A	N
	<b>01 - 192</b>	31.5 x 2.60	A	N
	<b>01 - 193</b>	31.5 x 2.65	A	N
	<b>01 - 194</b>	31.5 x 2.70	A	N
	<b>01 - 195</b>	31.5 x 2.75	A	N
	<b>01 - 196</b>	31.5 x 2.80	A	N
	<b>01 - 197</b>	31.5 x 2.85	A	N
	<b>01 - 198</b>	31.5 x 2.90	A	N
	<b>01 - 199</b>	31.5 x 2.95	A	N
	<b>01 - 200</b>	31.5 x 3.00	A	N
	<b>01 - 201</b>	31.5 x 3.05	A	N
	<b>01 - 202</b>	31.5 x 3.10	A	N
	<b>01 - 203</b>	31.5 x 3.15	A	N
	<b>01 - 204</b>	31.5 x 3.20	A	N
	<b>01 - 205</b>	31.5 x 3.25	A	N
	<b>01 - 206</b>	31.5 x 3.30	A	N
	<b>01 - 207</b>	31.5 x 3.35	A	N
	<b>01 - 208</b>	31.5 x 3.40	A	N
	<b>01 - 209</b>	31.5 x 3.45	A	N
	<b>01 - 210</b>	31.5 x 3.50	A	N
	<b>01 - 211</b>	31.5 x 3.55	A	N
	<b>01 - 212</b>	31.5 x 3.60	A	N
	<b>01 - 213</b>	31.5 x 3.65	A	N
	<b>01 - 214</b>	31.5 x 3.70	A	N
	<b>01 - 215</b>	31.5 x 3.75	A	N
	<b>01 - 216</b>	31.5 x 3.80	A	N
	<b>01 - 217</b>	31.5 x 3.85	A	N
	<b>01 - 218</b>	31.5 x 3.90	A	N
	<b>01 - 219</b>	31.5 x 3.95	A	N
	<b>01 - 220</b>	31.5 x 4.00	A	N
	<b>01 - 221</b>	31.5 x 4.05	A	N
	<b>01 - 222</b>	31.5 x 4.10	A	N
	<b>01 - 223</b>	31.5 x 4.15	A	N
	<b>01 - 224</b>	31.5 x 4.20	A	N
	<b>01 - 442</b>	31.5 x 4.25	A	N
	<b>01 - 443</b>	31.5 x 4.30	A	N
	<b>01 - 444</b>	31.5 x 4.35	A	N
	<b>01 - 445</b>	31.5 x 4.40	A	N
	<b>01 - 446</b>	31.5 x 4.45	A	N

### OPEL DIESEL

ASTRA F - VECTRA A-B - ENG. ISUZU X17DT - 1.7 TD 16V

	<b>01 - 377</b>	28 x 2.50	A	N
	<b>01 - 378</b>	28 x 2.55	A	N
	<b>01 - 379</b>	28 x 2.60	A	N
	<b>01 - 380</b>	28 x 2.65	A	N
	<b>01 - 381</b>	28 x 2.70	A	N
	<b>01 - 382</b>	28 x 2.75	A	N
	<b>01 - 383</b>	28 x 2.80	A	N
	<b>01 - 384</b>	28 x 2.85	A	N
	<b>01 - 385</b>	28 x 2.90	A	N
	<b>01 - 386</b>	28 x 2.95	A	N
	<b>01 - 387</b>	28 x 3.00	A	N
	<b>01 - 388</b>	28 x 3.05	A	N
	<b>01 - 389</b>	28 x 3.10	A	N
	<b>01 - 390</b>	28 x 3.15	A	N
	<b>01 - 391</b>	28 x 3.20	A	N
	<b>01 - 392</b>	28 x 3.25	A	N
	<b>01 - 393</b>	28 x 3.30	A	N

### PEUGEOT

204 DIESEL - 205 DIESEL - 304 DIESEL - 305 DIESEL

806 2.0 IE - ENG. RFU

	<b>01 - 225</b>	13.42 x 1.60	A	N
	<b>01 - 226</b>	13.42 x 1.65	A	N
	<b>01 - 227</b>	13.42 x 1.70	A	N
	<b>01 - 228</b>	13.42 x 1.75	A	N
	<b>01 - 229</b>	13.42 x 1.80	A	N
	<b>01 - 230</b>	13.42 x 1.85	A	N
	<b>01 - 232</b>	13.42 x 1.90	A	N
	<b>01 - 233</b>	13.42 x 1.95	A	N
	<b>01 - 234</b>	13.42 x 2.00	A	N
	<b>01 - 235</b>	13.42 x 2.05	A	N
	<b>01 - 237</b>	13.42 x 2.10	A	N
	<b>01 - 238</b>	13.42 x 2.15	A	N
	<b>01 - 239</b>	13.42 x 2.20	A	N
	<b>01 - 240</b>	13.42 x 2.25	A	N
	<b>01 - 242</b>	13.42 x 2.30	A	N
	<b>01 - 243</b>	13.42 x 2.35	A	N
	<b>01 - 244</b>	13.42 x 2.40	A	N
	<b>01 - 245</b>	13.42 x 2.45	A	N
	<b>01 - 247</b>	13.42 x 2.50	A	N
	<b>01 - 248</b>	13.42 x 2.55	A	N
	<b>01 - 249</b>	13.42 x 2.60	A	N
	<b>01 - 250</b>	13.42 x 2.65	A	N
	<b>01 - 252</b>	13.42 x 2.70	A	N

## PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

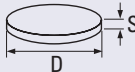


N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	<b>01 - 253</b>	13.42 x 2.75	A	N
	<b>01 - 254</b>	13.42 x 2.80	A	N
	<b>01 - 255</b>	13.42 x 2.85	A	N
	<b>01 - 257</b>	13.42 x 2.90	A	N
	<b>01 - 258</b>	13.42 x 2.95	A	N
	<b>01 - 259</b>	13.42 x 3.00	A	N
	<b>01 - 260</b>	13.42 x 3.05	A	N
	<b>01 - 262</b>	13.42 x 3.10	A	N
	<b>01 - 263</b>	13.42 x 3.15	A	N
	<b>01 - 264</b>	13.42 x 3.20	A	N
	<b>01 - 265</b>	13.42 x 3.25	A	N
	<b>01 - 267</b>	13.42 x 3.30	A	N
	<b>01 - 268</b>	13.42 x 3.35	A	N
	<b>01 - 269</b>	13.42 x 3.40	A	N
	<b>01 - 270</b>	13.42 x 3.45	A	N
	<b>01 - 272</b>	13.42 x 3.50	A	N
	<b>01 - 273</b>	13.42 x 3.55	A	N
	<b>01 - 326</b>	13.42 x 3.60	A	N
	<b>01 - 327</b>	13.42 x 3.65	A	N
	<b>01 - 328</b>	13.42 x 3.70	A	N

## RENAULT

CLIO I - II - LAGUNA I 1.8 - ENG. F3P - MEGANE - LAGUNA  
 ESPACE III - ENG. F3R - EXPRESS 1.6 D - ENG. F8M - CLIO  
 MEGANE - LAGUNA - KANGOO - ENG. F8Q 1.9 D

	<b>01 - 449</b>	34.7 x 2.50	A	S
	<b>01 - 450</b>	34.7 x 2.55	A	S
	<b>01 - 451</b>	34.7 x 2.60	A	S
	<b>01 - 452</b>	34.7 x 2.65	A	S
	<b>01 - 453</b>	34.7 x 2.70	A	S
	<b>01 - 454</b>	34.7 x 2.75	A	S
	<b>01 - 455</b>	34.7 x 2.80	A	S
	<b>01 - 456</b>	34.7 x 2.85	A	S
	<b>01 - 330</b>	34.7 x 2.90	A	S
	<b>01 - 331</b>	34.7 x 2.95	A	S
	<b>01 - 332</b>	34.7 x 3.00	A	S
	<b>01 - 333</b>	34.7 x 3.05	A	S
	<b>01 - 334</b>	34.7 x 3.10	A	S
	<b>01 - 335</b>	34.7 x 3.15	A	S
	<b>01 - 336</b>	34.7 x 3.20	A	S
	<b>01 - 337</b>	34.7 x 3.25	A	S
	<b>01 - 338</b>	34.7 x 3.30	A	S
	<b>01 - 339</b>	34.7 x 3.35	A	S
	<b>01 - 340</b>	34.7 x 3.40	A	S
	<b>01 - 341</b>	34.7 x 3.45	A	S
	<b>01 - 342</b>	34.7 x 3.50	A	S
	<b>01 - 343</b>	34.7 x 3.55	A	S
	<b>01 - 344</b>	34.7 x 3.60	A	S

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	<b>01 - 345</b>	34.7 x 3.65	A	S
	<b>01 - 346</b>	34.7 x 3.70	A	S
	<b>01 - 347</b>	34.7 x 3.75	A	S
	<b>01 - 348</b>	34.7 x 3.80	A	S
	<b>01 - 349</b>	34.7 x 3.85	A	S
	<b>01 - 350</b>	34.7 x 3.90	A	S
	<b>01 - 351</b>	34.7 x 3.95	A	S
	<b>01 - 457</b>	34.7 x 4.00	A	S

## RENAULT

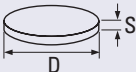
R 9 DIESEL - R 11 DIESEL - ENG. F8M700/720/730

	<b>01 - 187</b>	31.5 x 2.35	A	N
	<b>01 - 188</b>	31.5 x 2.40	A	N
	<b>01 - 189</b>	31.5 x 2.45	A	N
	<b>01 - 190</b>	31.5 x 2.50	A	N
	<b>01 - 191</b>	31.5 x 2.55	A	N
	<b>01 - 192</b>	31.5 x 2.60	A	N
	<b>01 - 193</b>	31.5 x 2.65	A	N
	<b>01 - 194</b>	31.5 x 2.70	A	N
	<b>01 - 195</b>	31.5 x 2.75	A	N
	<b>01 - 196</b>	31.5 x 2.80	A	N
	<b>01 - 197</b>	31.5 x 2.85	A	N
	<b>01 - 198</b>	31.5 x 2.90	A	N
	<b>01 - 199</b>	31.5 x 2.95	A	N
	<b>01 - 200</b>	31.5 x 3.00	A	N
	<b>01 - 201</b>	31.5 x 3.05	A	N
	<b>01 - 202</b>	31.5 x 3.10	A	N
	<b>01 - 203</b>	31.5 x 3.15	A	N
	<b>01 - 204</b>	31.5 x 3.20	A	N
2077722504	<b>01 - 205</b>	31.5 x 3.25	A	N
2077722506	<b>01 - 206</b>	31.5 x 3.30	A	N
2077722508	<b>01 - 207</b>	31.5 x 3.35	A	N
2077722510	<b>01 - 208</b>	31.5 x 3.40	A	N
2077722512	<b>01 - 209</b>	31.5 x 3.45	A	N
2077722514	<b>01 - 210</b>	31.5 x 3.50	A	N
2077722516	<b>01 - 211</b>	31.5 x 3.55	A	N
2077722518	<b>01 - 212</b>	31.5 x 3.60	A	N
2077722520	<b>01 - 213</b>	31.5 x 3.65	A	N
2077722522	<b>01 - 214</b>	31.5 x 3.70	A	N
2077722524	<b>01 - 215</b>	31.5 x 3.75	A	N
2077722526	<b>01 - 216</b>	31.5 x 3.80	A	N
2077722528	<b>01 - 217</b>	31.5 x 3.85	A	N
2077722530	<b>01 - 218</b>	31.5 x 3.90	A	N
2077722532	<b>01 - 219</b>	31.5 x 3.95	A	N
2077722534	<b>01 - 220</b>	31.5 x 4.00	A	N
2077722536	<b>01 - 221</b>	31.5 x 4.05	A	N
2077722538	<b>01 - 222</b>	31.5 x 4.10	A	N
2077722540	<b>01 - 223</b>	31.5 x 4.15	A	N





## PASTIGLIE REGISTRO VALVOLE VALVE SHIMS

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
2077722542	<b>01 - 224</b>	31.5 x 4.20	A	N
	<b>01 - 442</b>	31.5 x 4.25	A	N
2077722546	<b>01 - 443</b>	31.5 x 4.30	A	N
	<b>01 - 444</b>	31.5 x 4.35	A	N
2077722550	<b>01 - 445</b>	31.5 x 4.40	A	N
	<b>01 - 446</b>	31.5 x 4.45	A	N
2077722554	<b>01 - 447</b>	31.5 x 4.50	A	N

## TOYOTA

COROLLA 1.6 - ENG. 4A

	<b>01 - 394</b>	14 x 2.40	A	N
	<b>01 - 395</b>	14 x 2.45	A	N
	<b>01 - 396</b>	14 x 2.50	A	N
	<b>01 - 397</b>	14 x 2.55	A	N
	<b>01 - 398</b>	14 x 2.60	A	N
	<b>01 - 399</b>	14 x 2.65	A	N
	<b>01 - 400</b>	14 x 2.70	A	N
	<b>01 - 401</b>	14 x 2.75	A	N
	<b>01 - 402</b>	14 x 2.80	A	N
	<b>01 - 403</b>	14 x 2.85	A	N
	<b>01 - 404</b>	14 x 2.90	A	N
	<b>01 - 405</b>	14 x 2.95	A	N
	<b>01 - 406</b>	14 x 3.00	A	N
	<b>01 - 407</b>	14 x 3.05	A	N
	<b>01 - 408</b>	14 x 3.10	A	N
	<b>01 - 409</b>	14 x 3.15	A	N
	<b>01 - 410</b>	14 x 3.20	A	N
	<b>01 - 411</b>	14 x 3.25	A	N
	<b>01 - 412</b>	14 x 3.30	A	N

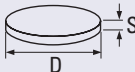
## TOYOTA

CARINA - RAV - CELICA - COROLLA - CAMRY

ENG. 2VZFE - ENG. 3SFE - ENG. 3SGEL - ENG. 4EFE

ENG. 4AF/4AFP - ENG. 5SFE - ENG. 7M/GE

	<b>01 - 490</b>	25 x 2.00	A	N
	<b>01 - 491</b>	25 x 2.05	A	N
	<b>01 - 492</b>	25 x 2.10	A	N
	<b>01 - 462</b>	25 x 2.15	A	N
	<b>01 - 463</b>	25 x 2.20	A	N
	<b>01 - 464</b>	25 x 2.25	A	N
	<b>01 - 465</b>	25 x 2.30	A	N
	<b>01 - 466</b>	25 x 2.35	A	N
	<b>01 - 467</b>	25 x 2.40	A	N
	<b>01 - 468</b>	25 x 2.45	A	N
	<b>01 - 469</b>	25 x 2.50	A	N
	<b>01 - 470</b>	25 x 2.55	A	N
	<b>01 - 471</b>	25 x 2.60	A	N
	<b>01 - 472</b>	25 x 2.65	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	<b>01 - 473</b>	25 x 2.70	A	N
	<b>01 - 474</b>	25 x 2.75	A	N
	<b>01 - 475</b>	25 x 2.80	A	N
	<b>01 - 476</b>	25 x 2.85	A	N
	<b>01 - 477</b>	25 x 2.90	A	N
	<b>01 - 478</b>	25 x 2.95	A	N
	<b>01 - 479</b>	25 x 3.00	A	N
	<b>01 - 480</b>	25 x 3.05	A	N
	<b>01 - 481</b>	25 x 3.10	A	N
	<b>01 - 482</b>	25 x 3.15	A	N
	<b>01 - 483</b>	25 x 3.20	A	N
	<b>01 - 484</b>	25 x 3.25	A	N
	<b>01 - 485</b>	25 x 3.30	A	N
	<b>01 - 486</b>	25 x 3.35	A	N
	<b>01 - 487</b>	25 x 3.40	A	N
	<b>01 - 488</b>	25 x 3.45	A	N
	<b>01 - 489</b>	25 x 3.50	A	N

## TOYOTA

CARINA - AVENSIS - COROLLA - CELICA - LAND CRUISER

4RUNNER - ENG. 4AFE 1.6 16V - ENG. 7AFE 1.8 16V

ENG. 3SFE 2.0 - ENG. 5VZFE 3.4 24V

13753-74010	<b>01 - 377</b>	28 x 2.50	A	N
13753-74030	<b>01 - 378</b>	28 x 2.55	A	N
13753-74050	<b>01 - 379</b>	28 x 2.60	A	N
13753-74070	<b>01 - 380</b>	28 x 2.65	A	N
13753-74090	<b>01 - 381</b>	28 x 2.70	A	N
13753-74110	<b>01 - 382</b>	28 x 2.75	A	N
13753-74130	<b>01 - 383</b>	28 x 2.80	A	N
13753-74150	<b>01 - 384</b>	28 x 2.85	A	N
13753-74170	<b>01 - 385</b>	28 x 2.90	A	N
13753-74190	<b>01 - 386</b>	28 x 2.95	A	N
13753-74210	<b>01 - 387</b>	28 x 3.00	A	N
13753-74230	<b>01 - 388</b>	28 x 3.05	A	N
13753-74250	<b>01 - 389</b>	28 x 3.10	A	N
13753-74270	<b>01 - 390</b>	28 x 3.15	A	N
13753-74290	<b>01 - 391</b>	28 x 3.20	A	N
13753-74310	<b>01 - 392</b>	28 x 3.25	A	N
13753-74330	<b>01 - 393</b>	28 x 3.30	A	N

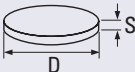
## TOYOTA

DIESEL - ENG.1C 1.8D

	<b>01 - 302</b>	34 x 2.20	A	N
	<b>01 - 303</b>	34 x 2.25	A	N
	<b>01 - 304</b>	34 x 2.30	A	N
	<b>01 - 305</b>	34 x 2.35	A	N
	<b>01 - 306</b>	34 x 2.40	A	N
	<b>01 - 307</b>	34 x 2.45	A	N

## PASTIGLIE REGISTRO VALVOLE VALVE SHIMS



N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
	<b>01 - 308</b>	34 x 2.50	A	N
	<b>01 - 309</b>	34 x 2.55	A	N
	<b>01 - 310</b>	34 x 2.60	A	N
	<b>01 - 311</b>	34 x 2.65	A	N
	<b>01 - 312</b>	34 x 2.70	A	N
	<b>01 - 313</b>	34 x 2.75	A	N
	<b>01 - 314</b>	34 x 2.80	A	N
	<b>01 - 315</b>	34 x 2.85	A	N
	<b>01 - 316</b>	34 x 2.90	A	N
	<b>01 - 317</b>	34 x 2.95	A	N
	<b>01 - 318</b>	34 x 3.00	A	N
	<b>01 - 319</b>	34 x 3.05	A	N
	<b>01 - 320</b>	34 x 3.10	A	N
	<b>01 - 321</b>	34 x 3.15	A	N
	<b>01 - 322</b>	34 x 3.20	A	N
	<b>01 - 323</b>	34 x 3.25	A	N
	<b>01 - 324</b>	34 x 3.30	A	N
	<b>01 - 325</b>	34 x 3.35	A	N
	<b>01 - 329</b>	34 x 3.40	A	N

## TOYOTA

### LANDCRUISER 80 ENG. 1FZ-FE

13753-66020	<b>01 - 643</b>	30.5 X 2.50	A	N
13753-66040	<b>01 - 644</b>	30.5 X 2.55	A	N
13753-66060	<b>01 - 645</b>	30.5 X 2.60	A	N
13753-66080	<b>01 - 646</b>	30.5 X 2.65	A	N
13753-66100	<b>01 - 647</b>	30.5 X 2.70	A	N
13753-66120	<b>01 - 648</b>	30.5 X 2.75	A	N
13753-66140	<b>01 - 649</b>	30.5 X 2.80	A	N
13753-66160	<b>01 - 650</b>	30.5 X 2.85	A	N
13753-66180	<b>01 - 651</b>	30.5 X 2.90	A	N
13753-66200	<b>01 - 652</b>	30.5 X 2.95	A	N
13753-66220	<b>01 - 653</b>	30.5 X 3.00	A	N
13753-66240	<b>01 - 654</b>	30.5 X 3.05	A	N
13753-66260	<b>01 - 655</b>	30.5 X 3.10	A	N
13753-66280	<b>01 - 656</b>	30.5 X 3.15	A	N
13753-66300	<b>01 - 657</b>	30.5 X 3.20	A	N
13753-55320	<b>01 - 658</b>	30.5 X 3.25	A	N
13753-66340	<b>01 - 659</b>	30.5 X 3.30	A	N
	<b>01 - 660</b>	30.5 X 3.35	A	N
	<b>01 - 661</b>	30.5 X 3.40	A	N

## TOYOTA-MITSUBISHI

### LANDCRUISER - HILUX - HIACE - ENG. 2L-T 90-95

2.4D - TD

### PAJERO 2.8TD - ENG. 4M40 / 4M40T 94-00

13753-54010	<b>01 - 547</b>	37 x 2.50	A	N
13753-54420	<b>01 - 548</b>	37 x 2.55	A	N

N. ORIGINALE o.e. number	RIF. FRECCIA Freccia ref.	DIMENSIONI 	MATERIALE material	FORMA shape
13753-54060	<b>01 - 549</b>	37 x 2.60	A	N
13753-54430	<b>01 - 550</b>	37 x 2.65	A	N
13753-54110	<b>01 - 551</b>	37 x 2.70	A	N
13753-54440	<b>01 - 552</b>	37 x 2.75	A	N
13753-54160	<b>01 - 553</b>	37 x 2.80	A	N
13753-54450	<b>01 - 554</b>	37 x 2.85	A	N
13753-54210	<b>01 - 555</b>	37 x 2.90	A	N
13753-54460	<b>01 - 556</b>	37 x 2.95	A	N
13753-54260	<b>01 - 557</b>	37 x 3.00	A	N
13753-54470	<b>01 - 558</b>	37 x 3.05	A	N
13753-54310	<b>01 - 559</b>	37 x 3.10	A	N
13753-54480	<b>01 - 560</b>	37 x 3.15	A	N
13753-54320	<b>01 - 561</b>	37 x 3.20	A	N
13753-54490	<b>01 - 562</b>	37 x 3.25	A	N
13753-54410	<b>01 - 563</b>	37 x 3.30	A	N

## VOLKSWAGEN

### PASSAT - GOLF - GOLF D - SCIROCCO - POLO

	<b>01 - 100</b>	31 x 2.70	A	N
	<b>01 - 101</b>	31 x 2.75	A	N
	<b>01 - 102</b>	31 x 2.80	A	N
	<b>01 - 103</b>	31 x 2.85	A	N
	<b>01 - 104</b>	31 x 2.90	A	N
	<b>01 - 105</b>	31 x 2.95	A	N
	<b>01 - 106</b>	31 x 3.00	A	N
	<b>01 - 107</b>	31 x 3.05	A	N
	<b>01 - 108</b>	31 x 3.10	A	N
	<b>01 - 109</b>	31 x 3.15	A	N
	<b>01 - 110</b>	31 x 3.20	A	N
	<b>01 - 111</b>	31 x 3.25	A	N
	<b>01 - 112</b>	31 x 3.30	A	N
	<b>01 - 113</b>	31 x 3.35	A	N
	<b>01 - 114</b>	31 x 3.40	A	N
	<b>01 - 115</b>	31 x 3.45	A	N
	<b>01 - 116</b>	31 x 3.50	A	N
	<b>01 - 117</b>	31 x 3.55	A	N
	<b>01 - 118</b>	31 x 3.60	A	N
	<b>01 - 119</b>	31 x 3.65	A	N
	<b>01 - 120</b>	31 x 3.70	A	N
	<b>01 - 121</b>	31 x 3.75	A	N
	<b>01 - 122</b>	31 x 3.80	A	N
	<b>01 - 123</b>	31 x 3.85	A	N
	<b>01 - 124</b>	31 x 3.90	A	N
	<b>01 - 125</b>	31 x 3.95	A	N
	<b>01 - 126</b>	31 x 4.00	A	N
	<b>01 - 127</b>	31 x 4.05	A	N
	<b>01 - 128</b>	31 x 4.10	A	N
	<b>01 - 129</b>	31 x 4.15	A	N





*freccia*

**TUBI PER SEDIVALVOLE**

**TUBES FOR VALVE SEAT INSERTS**

**TUBES POUR SIÈGE DE SOUPAGE**

**ROHRE FÜR VENTILSITZE**

**ТРУБЫ ДЛЯ СЕДЕЛЬНЫХ КЛАПАНОВ**



## CROSS REFERENCE GUIDE

O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
4358	G2615	245802	R4638/RCR	636031	CM05-2362	641075	R6203/SCR
15160	G2399	257263	R4560/SCR	636034	CM05-2237	641076	R6504/SCR
15161	MI5114/S	266305	R4513/BMCR	636041	CM05-2220	641083	R4941/BMCR
15162	MI5115/S	266306	R4514/BMICR	636052	CM05-2134	641084	R6785/SNT
15329	MI5108/SCR	267356	R4511/BMCR	636053	CM05-2134	641085	R6645/SNT
15330	MI5109/RCR	267357	R4512/BMCR	636058	CM05-2363	641086	R6646/RNT
22016	G2558	270247	R4106/RCR	636107	CM05-2326	641089	R4943/BMCR
29136	MI3347/S	272803	R3743/SCR	636121	CM05-2140	641094	R4878/SCR
29137	MI3348/XB	272804	R3741/SCR	636173	CM05-2259	641095	R4879/RCR
29220	MI3095/XB	278102	R6365/RCR	636174	CM05-2260	641096	R4879/RCR
90346	RA06-912	291416	G2611	636181	CM05-2242	641100	R6635/BMARNT
90358	RA06-913	291417	G2612	636197	CM05-2227	641101	R6640/BMCR
90359	RA06-913	294674	R4371/RCR	636202	CM05-2230	641103	R6646/RNT
90360	RA06-915	300957	G3265	636203	CM05-2202	641106	R6388/BMCR
90364	RA06-913	300958	G3266	636205	CM05-2224	641108	R6907/RARNT
90365	RA06-914	322827	R3790/BMCR	636207	CM05-2243	641117	R6897/BMARNT
90369	RA06-915	322828	R4041/BMCR	636211	CM05-2255	641118	R6894/BMCR
102894	R3361/SCR	322894	R3789/S	636222	CM05-2137	641119	R6896/BMNT
102896	R3362/RCR	322895	R4133/S	636223	CM05-2237	641121	R8016/RCR
112999	R4160/RCR	323107	R3978/BMCR	640000	PI 06-0010	641122	R6991/RNT
113000	R4161/RCR	323108	R4134/BMCR	640001	PI 06-0001	641124	R8010/BMCR
125195	R3972/SCR	323109	R3788/BMCR	640003	PI 06-0010	641128	R8021/BMARNT
125196	R3973/RCR	323110	R4132/BMCR	640004	PI 06-0010	641251	R6308/SCR
125208	PRV 01-111	323571	R3980/BMCR	640005	PI 06-0010	641300	R4547/RCR
125209	PRV 01-112	323644	R3981/RCR	640007	PI 06-0008	641302	R4465/RCR
125210	PRV 01-113	324675	R4130/RCR	640008	PI 06-0010	641306	R4593/RCR
125211	PRV 01-114	341730	G2614	640009	PI 06-0010	641317	R4637/RCR
125212	PRV 01-115	352211	R6047/RCR	640010	PI 06-0010	641322	R4548/RARCR
125213	PRV 01-116	366256	R6365/RCR	640013	PI 06-0008	641325	R4650/BMCR
125214	PRV 01-117	368893	G2701	640016	PI 06-0054	641340	R4727/RCR
125215	PRV 01-118	391608	R6364/RCR	640025	RA06-910	641346	R4920/BMARCR
125216	PRV 01-119	393263	G11361	640039	PI06-0019	641353	R3699/RCR
125217	PRV 01-120	393264	G11362	640043	RA06-901	641354	R4879/RCR
125218	PRV 01-121	394838	R6401/BMCR	640047	RA06-994	641357	R6052/BMARCR
125219	PRV 01-122	394839	R6402/BMCR	640048	RA06-963	641360	R6346/RNT
125220	PRV 01-123	403546	G11235	640049	PI 06-0054	641364	R4879/RCR
125221	PRV 01-124	415266	G11235	640051	PI 06-0009	641365	R4879/RCR
125222	PRV 01-125	419563	G2647	640056	PI 06-0010	641369	R6137/RNT
125223	PRV 01-126	419652	G2644	640057	PI 06-0010	641373	R6309/BMCR
125224	PRV 01-127	420002	G2533	640058	PI 06-0010	641375	R4727/RCR
125225	PRV 01-128	421291	G2752	640059	PI 06-0009	641376	R6309/BMCR
125226	PRV 01-129	422320	G2751	640066	PI 06-0008	641379	R6367/BMCR
125227	PRV 01-130	466381	R3946/RCR	640068	RA06-910	641380	R6309/BMCR
125228	PRV 01-131	466386	G11372	640259	RA06-933	641384	R6319/RARNT
125229	PRV 01-132	467503	R4332/RCR	640520	PI 06-0010	641386	R6204/BMCR
125230	PRV 01-133	467682	R4332/RCR	640577	RA06-911	641391	R6505/BMCR
125231	PRV 01-134	467857	R4033/RCR	640579	RA06-911	641392	R6525/BMCR
125232	PRV 01-135	471196	R3946/RCR	640580	RA06-911	641397	R6786/RARCR
125233	PRV 01-136	477443	R6303/BMCR	640581	RA06-911	641401	R6367/BMCR
127601	R3974/SCR	477447	R6302/SCR	640582	RA06-911	641403	R6388/BMCR
129661	R4242/SCR	479204	R4032/SCR	640587	RA06-911	641459	R6721/BMARNT
133471	R4448/SCR	479261	R4032/SCR	640588	RA06-911	641460	R6720/SNT
134309	R4446/SCR	500144	G2579	641000	R4546/SCR	641463	G11509
151631	R3789/S	500145	G2580	641002	R4464/SCR	641464	R6387/SCR
151632	R4133/S	517472	R4561/RCR	641007	R4546/SCR	641465	R6388/BMCR
151633	R3790/BMCR	527240	R3053/S	641015	R4636/SCR	641475	R6636/SCR
151634	R4041/BMCR	536053	CM05-2134	641022	R4649/SCR	642005	G3230
153692	R3794/BMCR	550198	R3054/XB	641025	R6136/RNT	642011	R6366/SCR
153694	R3793/SCR	557284	G11488	641034	R4726/SCR	642014	G11479
157983	G3325	561288	G2303	641041	R4919/BMCR	642016	G11018
158601	R3980/BMCR	561289	G2305	641045	R4878/SCR	642027	R6645/SNT
158602	R4140/BMCR	580605	R3312/SNT	641048	R6051/SCR	642029	R6634/SARNT
161002	R4225/RCR	580606	R3313/SNT	641049	R6345/SNT	642052	R6636/SCR
168843	R6057/RCR	606014	CM05-2135	641051	R4878/SCR	642078	R6366/SCR
207241	R6328/S	611589	R4953/BM	641052	R4878/SCR	642079	R6895/SNT
210279	G2796	636000	CM05-2134	641056	R6308/SCR	642088	R6893/SCR
215715	R4866/SCR	636001	CM05-2228	641061	R4726/SCR	642101	R6990/SNT
220081	G3513	636002	CM05-2134	641063	R6308/SCR	642110	R8009/SCR
220510	G2700	636006	CM05-2255	641067	R6318/RNT	642111	R8015/SNT
232018	R3744/RCR	636010	CM05-2135	641071	R6305/BMCR	642113	R8019/SNT
243477	R3742/RCR	636023	CM05-2237	641072	R6304/SCR	642129	R6895/SNT
243648	R4867/RCR	636027	CM05-2138	641073	R6203/SCR	642165	R4884/BMCR
245390	R3559/S	636028	CM05-2139	641074	R6203/SCR	642168	R4884/BMCR

## CROSS REFERENCE GUIDE

O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
642188	R3233/N	1004399	PRV 01-485	1145958	RA06-914	1372743	CM05-2171
642189	R3579/N	1004442	PI 03-111	1146061	PI06-0019	1372744	CM05-2172
642208	R4885/BMARC	1004443	PI 03-111	1151997	R6413/SCR	1374186	R6370/SNT
642211	R4885/BMARC	1004444	R4791/R	1152191	R6322/SCR	1376413	R6146/BMCR
642635	R4236/SCR	1004446	R4790/SCR	1152367	R4097/R	1378960	G3507
642636	R4237/SCR	1005252	G2664	1152368	R4096/R	1386533	CM05-2144
642643	R4430/SCR	1007056	PRV 01-106	1196772	R4675/BMAR	1397190	R4962/SCR
642644	R4431/SCR	1007308	PI 06-0003	1198044	R6144/BMCR	1397191	R4963/BMARC
642647	R4377/SCR	1007860	R4343/R	1202362	R6323/R	1397521	R3744/R
642651	R3698/SCR	1007861	R4344/R	1211483	R6341/SNT	1398624	G11362
642667	R4592/SCR	1009973	PRV 01-479	1212979	PI06-0019	1403823	G11437
642675	R4657/S	1009974	PRV 01-481	1213175	R6370/SNT	1404918	R6501/BMCR
642679	R4383/SCR	1012747	R4793/R	1214456	R6146/BMCR	1404919	R6500/SCR
642693	G11018	1012749	R4792/SCR	1216915	R6145/SCR	1409671	R6501/BMCR
642750	R3899/S	1023591	R4789/R	1217148	R6145/SCR	1427813	R6596/BMCR
642758	R4572/SCR	1033898	R4997/R	1229882	R6397/SCR	1445830	R6435/BMARC
642759	R4144/SCR	1033899	R4999/BMCR	1229883	R6398/BMCR	1449039	RA06-974
642760	R4145/SCR	1037330	PI 06-0003	1231272	RA06-934	1450602	RA06-969
642761	R4146/SCR	1037331	PI 06-0003	1231930	R6164/BMCR	1450604	PI 06-0055
642763	R3692/SCR	1038606	R4703/R	1231931	R6163/SCR	1451597	R6595/SCR
642764	R3693/SCR	1041830	R4996/SCR	1254382	R6219/BMCR	1457499	R6458/R
642789	R4239/R	1041838	R4998/SCR	1255011	RA06-915	1457503	R6457/SCR
642790	R4240/R	1043175	PI 06-0003	1257053	R3641/S	1477022	R6434/BMCR
642793	R4380/R	1047213	PI 03-112	1257054	R3565/R	1487425	G11247
642805	R4433/R	1049788	R4889/BM	1259989	R6218/BMCR	1487455	R4344/R
642806	R4434/R	1050570	R4631/R	1265453	R3635/SCR	1487788	PI06-0019
642814	R3234/R	1051771	R4995/R	1267687	R3635/SCR	1495923	CM05-2175
642818	R3699/R	1051772	R4992/SCR	1267688	R3636/BMARC	1515743	R6434/BMCR
642829	R4593/R	1051773	R4994/SCR	1270391	G11201	1521209	G11362
642837	R4658/R	1051779	R4951/BMAR	1270397	G11203	1521210	G11361
642854	R4384/R	1053842	R6001/R	1270455	R6608/SCR	1523410	G3265
642858	R4573/BMARC	1053843	R6003/BMCR	1280643	R3636/BMARC	1535519	R6503/BMCR
642873	R3902/R	1053844	R6000/SCR	1307654	R6220/SCR	1535523	R6502/SCR
642882	R4147/R	1053845	R6002/SCR	1307655	R6221/BMCR	1535600	PI 03-110
642883	R4148/R	1061111	R4097/R	1311281	R6942/SCR	1538731	CM05-2109
642884	R4149/R	1069529	R4993/R	1313683	G11322	1538733	PI06-0019
642890	R3695/R	1072048	R6140/SCR	1313804	CM05-2146	1538735	R6304/SCR
642898	R4057/R	1077143	G3593	1313805	CM05-2145	1539543	RA06-900
642899	R3580/R	1078426	CM05-2197	1317798	PI 06-0016	1543026	R4687/SCR
642911	R4384/R	1078429	R6144/BMCR	1319081	R6364/R	1543027	R4688/BMCR
642924	R4659/R	1079769	R6087/S	1319249	PI06-0019	1545290	R4032/SCR
655401	G2701	1089830	R6418/BMCR	1320926	R6413/SCR	1546437	G11374
700001	G2022	1096248	R6168/R	1320927	R6195/SCR	1547492	R6300/BMCR
700002	G2026	1096250	R6167/SCR	1320928	R6464/SNT	1556472	R4687/SCR
771090	R4042/SCR	1099936	RA06-953	1324131	R6371/RNT	1556473	R4688/BMCR
771092	R4043/BMCR	1100013	RA06-954	1324132	R6370/SNT	1556813	R4687/SCR
771523	R3979/BMCR	1100677	PI 06-0032	1324690	R6342/RNT	1556896	R4688/BMCR
790210	G2793	1100678	R6129/BM	1324691	R6341/SNT	1594826	RA06-915
863702	R4688/BMCR	1100679	R6128/S	1327029	R6221/BMCR	1595025	R3490/N
910061	R1248/S	1100997	R3744/R	1328537	R6435/BMARC	1598376	PI 03-110
910064	R1247/N	1113187	R6465/RNT	1331285	PI 06-0039	1603846	R6582/SCR
950504	G2676	1113189	R6196/R	1333230	R6434/BMCR	1614280	R4953/BM
950505	R3650/S	1113197	R6143/SCR	1336545	RA06-964	1614766	CM05-2153
950506	R3651/S	1118064	PI06-0019	1342220	R6488/SCR	1631002	R4410/SCR
950530	G2677	1120750	RA06-931	1345509	R6583/SCR	1631007	R4224/SCR
978966	G2319	1120752	RA06-932	1349547	CM05-2170	1639187	PI 06-0001
987064	G2169	1121331	R6145/SCR	1349548	CM05-2290	1649127	PI 06-0001
1003734	PI 06-0003	1121332	R6146/BMCR	1349549	CM05-2169	1669765	PI 06-0001
1004314	PRV 01-462	1121333	R6145/SCR	1349550	CM05-2289	1669766	R4776/BMCR
1004343	PRV 01-469	1122364	R6195/SCR	1352127	R6584/BMCR	1669772	R4777/BMCR
1004345	PRV 01-470	1124377	R6371/RNT	1352129	R6144/BMCR	1673827	R6618/RARNT
1004347	PRV 01-471	1124378	R6370/SNT	1360819	R4951/BMAR	1673829	R6617/SNT
1004349	PRV 01-472	1124514	R6003/BMCR	1360833	R6365/R	1675266	R6946/SNT
1004351	PRV 01-473	1127416	R6417/SCR	1360834	R3744/R	1675716	R6164/BMCR
1004353	PRV 01-474	1131988	R6002/SCR	1360836	R4371/R	1678541	R6935/BMARC
1004356	PRV 01-475	1132466	R6146/BMCR	1361189	R3743/SCR	1683701	R6724/SCR
1004359	PRV 01-476	1132467	R6146/BMCR	1361191	R4130/R	1683702	RA06-961
1004363	PRV 01-477	1143057	R6607/R	1361192	R4106/R	1683717	CM05-2176
1004367	PRV 01-478	1143059	R6606/SCR	1362696	R6489/BMCR	1683721	CM05-2175
1004388	PRV 01-480	1144339	R6543/R	1366490	R4938/R	1684513	R6934/SCR
1004392	PRV 01-482	1144340	R6542/SCR	1369828	R6298/SCR	1684538	RA06-962
1004394	PRV 01-483	1145932	R6323/R	1369831	R6299/BMARC	1684773	R6582/SCR
1004396	PRV 01-484	1145933	R6322/SCR	1372430	CM05-2258	1685737	CM05-2256



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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
1685845	R6714/RRCR	3088389	R4750/BMCR	4371545	G2189	4673861	R4263/BMCR
1685847	R6713/SCR	3165234	R6301/BMCR	4372160	G2266	4673862	R4262/BMNT
1688422	CM05-2257	3165303	G11374	4372331	G2197	4683025	R3473/XBNT
1692282	CM05-2271	3165423	CM05-2338	4373602	G2251	4683026	R3474/BMCR
1692283	CM05-2270	3169490	R6300/BMCR	4373603	G2252	4684088	R3471/XBNT
1693681	R6618/RARNT	3183283	G11374	4374855	R3243/R	4684089	R3472/BMCR
1704531	CM05-2171	3343624	G11161	4376864	R3554/RRCR	4684422	G2854
1706989	R6146/BMCR	3345516	R4720/BM	4377979	R3551/RRCR	4694449	G2372
1706990	R6146/BMCR	3371746	R4557/RRCR	4379986	R3547/N	4694450	G2373
1707012	CM05-2176	3522347	R3744/RRCR	4403047	R3594/RRCR	4695850	R4838/SCR
1717798	PI 06-0029	3553632	R8017/SCR	4409128	RA06-917	4697720	R3519/SNT
1727471	PI 06-0029	3553641	R8022/RRCR	4409839	PI 06-0013	4704215	R3520/BMCR
1727993	PI 06-0029	3800340	R6536/SNT	4411048	R6138/S	4708925	R6611/SNT
1734341	PI 06-0029	3800341	R6537/RNT	4411049	R6139/R	4708933	R6612/RNT
1738494	R6145/SCR	3802005	R4958/SCR	4412816	R3592/RRCR	4709231	G11508
1739299	PI 06-0001	3802085	R4957/BMCR	4415246	R6283/RRCR	4711311	R6906/RARNT
1739820	R4864/S	3802275	R4956/SCR	4415247	R6282/SCR	4711676	G11611
1739821	R4865/RRCR	3802355	R4958/SCR	4415921	R4973/S	4713209	PRV 01-289
1748880	PI 06-0021	3802463	R4956/SCR	4415922	R4974/R	4713211	PRV 01-275
1748881	PI 06-0021	3802924	R6500/SCR	4420439	R6784/SNT	4713212	PRV 01-276
1748882	PI 06-0021	3802967	R6501/BMCR	4423067	R6798/BM	4713213	PRV 01-277
1748884	PI 06-0021	3825723	R4564/SCR	4423068	R6797/S	4713214	PRV 01-278
1755220	R6916/SNT	3842972	R6933/BMARCR	4423069	CM05-2351	4713215	PRV 01-279
1756382	RA06-991	3901117	R4958/SCR	4423070	CM05-2350	4713216	PRV 01-280
1760579	R6819/SNT	3901607	R4959/BMCR	4423303	R6798/BM	4713217	PRV 01-281
1760588	R6820/RRCR	3920867	R4958/SCR	4424173	R3637/RRCR	4713218	PRV 01-282
1760589	R6820/RRCR	3920868	R4959/BMCR	4424174	R3638/RRCR	4713220	PRV 01-283
1778492	R6697/BMARCR	3921444	R4957/BMCR	4431241	R6575/BM	4713222	PRV 01-284
1781847	R6697/BMARCR	3924492	R4956/SCR	4431242	R6784/SNT	4713224	PRV 01-285
1785076	R6434/BMCR	3940734	R6501/BMCR	4431244	CM05-2321	4713226	PRV 01-286
1790184	R6434/BMCR	3940735	R6500/SCR	4431246	PI06-0019	4713228	PRV 01-287
1791152	R6435/BMARCR	3942588	R6536/SNT	4431247	RA06-940	4713230	PRV 01-288
1800711	R6917/RNT	3942589	R6537/RNT	4435076	CM05-2321	4713233	PRV 01-290
1800892	R6916/SNT	3942645	G11463	4460697	R3323/SCR	4713235	PRV 01-291
1854798	R6696/BMCR	3978766	R6450/BMCR	4469661	R3762/RRCR	4713237	PRV 01-292
1854799	R6696/BMCR	3978768	R6449/SCR	4471271	G2279	4713239	PRV 01-293
1871590	R6595/SCR	3979506	CM05-2269	4500849	R4649/SCR	4713241	PRV 01-294
1887056	R6696/BMCR	4062108	R1430/N	4500864	R4650/BMCR	4713243	PRV 01-295
1902205	R3298/NNT	4094941	R3243/R	4506071	CM05-2165	4713245	PRV 01-296
1904654	R4233/RNT	4130546	G2223	4506072	CM05-2166	4713247	PRV 01-297
1904655	R4233/RNT	4130547	G2227	4506079	RA06-930	4713249	PRV 01-298
1904656	R4232/SNT	4132069	R3175/S	4506083	R6237/S	4713251	PRV 01-299
1904657	R4260/BMNT	4146638	R3243/R	4506084	R6238/BM	4713253	PRV 01-300
1904658	R4259/BMNT	4147475	R3176/R	4525822	G2325	4713255	PRV 01-301
1908394	R6264/SCR	4152447	PI 03-102	4534031	G2328	4720146	R3598/RRCR
1908408	R4232/SNT	4173747	R3242/RRCR	4535358	R1378/SNT	4720148	R3599/RRCR
1908409	R4233/RNT	4183269	R3447/S	4535359	R1379/SNT	4726483	G2269
1908410	R4233/RNT	4183270	R3448/R	4535494	R1488/SNT	4726865	PI 06-0010
1908427	R4893/BMCR	4190307	R3470/R	4535495	R1489/RRCR	4733258	G2270
1940008	G11437	4212771	R3281/N	4550817	R1484/NNT	4733348	R4504/BMNT
1952666	R4923/SNT	4239917	R3323/SCR	4550818	R1485/RNT	4733349	R3597/BMNT
1962501	R4924/RNT	4239918	R3324/RRCR	4578946	R3134/NNT	4733350	PI 03-101
2018404	PI 06-0061	4250801	G2231	4578947	R3135/RNT	4741915	R3596/BMNT
2026052	R6882/BMCR	4250803	G2235	4578948	G2291	4749395	G2713
2048374	R6820/RRCR	4255694	R3241/RRCR	4578949	G2293	4749397	G2834
2180902	RA06-989	4265695	R3561/SCR	4580688	R3251/SNT	4753580	PI 03-107
2213910	R6989/RRCR	4265699	G2196	4601299	G2295	4754990	R3645/BMNT
2239538	R6988/SCR	4266321	R3359/RRCR	4601300	G2852	4757358	R3642/BMNT
2247056	RA06-942	4268371	R6222/BMCR	4621298	PI 06-0010	4758794	G2365
2248878	RA06-942	4286929	R3324/RRCR	4621511	R3479/NNT	4758795	G2366
2251484	R8011/SNT	4294099	R3435/R	4630627	G2337	4758796	G2367
2251486	R8012/RNT	4300760	R3453/RRCR	4630923	G2343	4758798	G2368
2321494	R6989/RRCR	4311899	G2188	4632840	R1478/BMNT	4770301	PI 06-0010
2385774	RA06-998	4315062	R3324/RRCR	4647763	G2340	4771077	PI 06-0010
2414160	G2613	4319339	R3594/RRCR	4647838	G2353	4772380	R4884/BMCR
2453900	R3559/S	4340118	R3528/SCR	4647842	G2356	4772414	R4885/BMARCR
2458024	R4638/RRCR	4340119	R3529/RRCR	4648237	G2346	4773644	CM05-2255
2664525	G11321	4354245	G2828	4648421	G2298	4776446	R3519/SNT
2997862	R3989/RNT	4359309	R3563/RRCR	4658055	R4541/BMNT	4784888	R4232/SNT
2997864	R6326/BMCR	4365783	R3469/RRCR	4659379	R3298/NNT	4784889	R4233/RNT
2997865	R4887/BMCR	4368843	R3609/SCR	4667411	G11501	4784890	R4233/RNT
2997868	R3989/RNT	4368845	R3610/RRCR	4672515	G2371	4797186	R4260/BMNT
3035110	R4750/BMCR	4371508	G2232	4673608	R3440/RNT	4797715	R4260/BMNT

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4802126	G3396	5640587	RA06-900	6173095	CM05-2152	7735898	R4738/SCR
4802200	R3479/NNT	5640591	RA06-901	6181794	PI 03-112	7735899	R4739/BMCR
4802204	R4540/NNT	5924098	G2842	6200033	R4632/RCR	7737614	CM05-2245
4802219	R6787/SCR	5924099	G2843	6214160	G3490	7756897	G3531
4802220	R6788/RCR	5924411	G2846	6214170	G3492	7757052	G11007
4803805	R4232/SNT	5924412	G2847	6518306	CM05-2233	7759619	PI 06-0004
4803849	R6458/RCR	5942727	R4168/SCR	6542372	PI 06-0001	7765039	G3554
4805043	R6309/BMCR	5942728	R4169/RCR	6594643	R4632/RCR	7766564	R4728/SCR
4805321	R6548/SCR	5942861	PRV 01-126	6594645	R4631/RCR	7766565	R4729/BMCR
4805322	R6549/RCR	5942862	PRV 01-111	6614160	G3541	7770334	R4686/SCR
4805453	PI 06-0052	5942863	PRV 01-112	6640543	R4633/SCR	7778140	PI 06-0006
4805877	CM05-2186	5942864	PRV 01-113	6742922	R4788/SCR	7779402	G3532
4806717	R4233/RNT	5942865	PRV 01-114	6804674	PI 06-0003	7780108	G3586
4808415	R4259/BMNT	5942866	PRV 01-115	6842421	R4962/SCR	7783225	R4741/BMCR
4813201	R4259/BMNT	5942867	PRV 01-116	6842422	R4963/BMARC	7783841	R3746/RCR
4813760	R4684/BMNT	5942868	PRV 01-117	6900192	RA06-964	7796198	PI 06-0004
4814153	RA06-955	5942869	PRV 01-118	6902034	PI 06-0003	7798620	R4740/BMCR
4814154	RA06-956	5942870	PRV 01-119	6911483	R4634/BMCR	7805973	RA06-934
4817338	R6549/RCR	5942871	PRV 01-120	6945586	PI 06-0003	7805974	PI06-0019
4817388	R6549/RCR	5942872	PRV 01-121	6957756	PI 03-112	7812893	RA06-949
4821709	R3438/SNT	5942873	PRV 01-122	7031135	R4174/RCR	7958073	R4348/RARCR
4821710	R3438/SNT	5942874	PRV 01-123	7083255	PI 06-0009	8148069	R6381/BMCR
4824416	R4232/SNT	5942875	PRV 01-124	7109389	G2567	8148450	RA06-987
4824417	R4232/SNT	5942876	PRV 01-125	7109390	G2571	8148574	R6301/BMCR
4826033	R3990/RCR	5942877	PRV 01-127	7109410	G2573	8192143	R4565/RCR
4828299	R4722/BMCR	5942878	PRV 01-128	7109425	G3001	8194223	R4032/SCR
4846130	R4721/BMCR	5942879	PRV 01-129	7166435	G3140	8194224	R4332/RCR
4849522	R4262/BMNT	5942880	PRV 01-130	7301255	CM05-2105	8631650	R6447/SNT
4860107	R4893/BMCR	5942881	PRV 01-131	7301820	R3989/RNT	8631651	R6448/BMARNT
4861811	G11080	5942882	PRV 01-132	7301821	R3990/RCR	8653745	R6163/SCR
4861813	G11082	5942883	PRV 01-133	7302157	R3991/RCR	8659744	R6164/BMCR
4861816	G11077	5942884	PRV 01-134	7303309	R4685/BMNT	8670045	RA06-964
4861818	G11079	5942885	PRV 01-135	7402396	G11325	8670047	PI06-0019
4895051	R6501/BMCR	5942886	PRV 01-136	7500085	R4911/RARCR	8694780	R6342/RNT
4895052	R6500/SCR	5942889	PRV 01-110	7537667	R4177/RCR	8694781	R6341/SNT
4895187	R4958/SCR	5950297	CM05-2106	7537668	R4176/SCR	8823544	R3330/SNT
4895188	R4959/BMCR	5953041	R4175/RCR	7547158	R4627/RCR	8823545	R3329/NNT
4896419	CM05-2268	5959563	R3746/RCR	7547400	R4174/RCR	8823549	R3331/BMNT
4896421	CM05-2269	5959564	R3745/SCR	7549632	PI 06-0046	8824754	R3438/SNT
4986317	R6328/S	5973128	R3324/RCR	7549633	PI 06-0047	8825776	R3439/RNT
5144989	R6947/BMARNT	5973129	R3594/RCR	7552612	CM05-2113	8829304	R4129/RCR
5214160	G3533	5973130	R3746/RCR	7553000	R4195/RCR	8830045	R3439/RNT
5233315	PI 06-0009	5976236	R3600/SCR	7553004	R4196/RCR	9006082	G11379
5411684	R3420/R	5977214	R3549/RCR	7559797	RA06-950	9117903	PI 06-0010
5414141	G2276	5985066	R4173/RCR	7560154	G3486	9117904	PI 06-0010
5414143	G2273	5990532	R3953/SCR	7562002	R4910/SCR	9120253	CM05-2255
5414239	R3518/BMCR	5990533	R3954/RCR	7565472	G11000	9120517	CM05-2237
5422630	R3419/S	5996615	R3610/RCR	7565812	R4170/RCR	9120519	CM05-2137
5457479	R3518/BMCR	5997328	R4172/RCR	7565813	R3594/RCR	9128143	CM05-2137
5459813	R3621/S	5997546	G2243	7574739	R4347/RCR	9128346	RA06-910
5459814	R3622/RCR	5999660	R3323/SCR	7574742	R4348/RARCR	9128603	PI 06-0008
5467121	R3419/S	6005392	R3988/RCR	7574881	R4171/RCR	9129211	RA06-910
5471746	R3517/SCR	6048948	R3491/RCR	7588577	R4626/RCR	9135931	PI 06-0001
5555172	R3000/N	6048949	R4051/RCR	7597080	R3563/RCR	9158474	R4879/RCR
5555705	R3001/R	6054886	R3957/R	7597565	R4393/RCR	9158477	R4878/SCR
5555752	R1499/N	6063961	R4048/SCR	7597566	R4392/SCR	9158569	G13598
5599765	R8009/SCR	6075981	R3392/N	7609772	R4252/SCR	9165580	R6286/SCR
5630059	CM05-2110	6081186	G3531	7611679	G3208	9165598	R4911/RARCR
5636001	CM05-2228	6081187	G11007	7611680	G3209	9169566	PI 06-0021
5636011	CM05-2173	6081189	G3532	7616992	G3206	9180681	PI 06-0016
5636012	CM05-2174	6081190	G11008	7616998	G3205	9185612	G11274
5636057	CM05-2136	6111580	PI 03-112	7617500	R4625/SCR	9185851	R6288/SCR
5636060	CM05-2109	6115590	R4951/BMAR	7650916	R4731/RARCR	9186073	PI 06-0021
5636083	CM05-2259	6121448	G2886	7666227	R4169/RCR	9186565	R4777/BMCR
5636084	CM05-2260	6136467	PI 03-112	7666228	R4168/SCR	9186568	PI 06-0001
5636107	CM05-2265	6137194	R4273/SCR	7683521	R4595/SCR	9194698	PI 06-0054
5636108	CM05-2264	6162460	R4274/RCR	7683522	R4596/RCR	9201506	CM05-2166
5636117	CM05-2327	6165227	R4702/SCR	7687459	R6034/RCR	9207830	PI 06-0007
5636118	CM05-2328	6165228	R4704/SCR	7687469	R6035/RARCR	9292324	R3902/RCR
5640018	PI 03-102	6172848	R4376/BMARCR	7712114	R4778/SCR	9292660	R3899/S
5640019	PI06-0019	6172851	R4375/BMARCR	7713699	RA06-902	9319374	R6611/SNT
5640020	PI 06-0010	6172854	R4376/BMARCR	7722907	R4730/RCR	9399957	G11209
5640577	RA06-910	6172956	G3407	7724588	CM05-2111	9399965	R6289/RARNT

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
9454607	R6298/SCR	22494872	G11597	46403681	R4876/SCR	46823508	CM05-2110
9454608	R6605/SNT	22686466	R6933/BMARC	46406169	R4174/RCR	50054982	R4243/SCR
9454610	R6299/BMARC	24100005	PI 06-0054	46407749	R3745/SCR	50060609	R3988/RCR
9556305	R3628/R	24401409	CM05-2220	46411495	PI 06-0006	50109309	PI 06-0001
9680127	PI 06-0052	24405815	R6505/BMCR	46413078	PI 06-0004	55183592	R6153/SCR
9742922	R4788/SCR	24426433	R6815/SARCR	46413334	R4779/RCR	55185028	R6506/SCR
9811562	CM05-2259	24428752	CM05-2136	46413806	R4780/SCR	55185080	R6507/RCR
9811563	CM05-2260	24454518	R6309/BMCR	46413807	R4781/RCR	55186463	RA06-933
12572638	PI 06-0054	24463778	R4727/RCR	46416321	R4943/BMCR	55186770	R4610/BM
12575793	R6308/SCR	25183821	R6787/SCR	46426033	PI 06-0015	55186786	G11302
12597371	R6309/BMCR	25183822	R6788/RCR	46427282	PI 06-0015	55190080	PI 03-110
12636317	R6990/SNT	26812111	R3813/S	46433782	G11018	55190248	R6601/SCR
12637241	R6991/RNT	26812121	R3814/RCR	46433783	G11019	55190249	R6602/BMCR
12645279	R8019/SNT	29219011	MI3487/SNT	46436048	R4686/SCR	55190559	G11425
12653994	R8016/RCR	30109411	RA06-939	46444230	CM05-2104	55192067	R6153/SCR
12662527	R8015/SNT	30711497	R6398/BMCR	46444253	CM05-2101	55192156	R6385/SCR
12786696	R6310/SCR	30711498	R6397/SCR	46448011	PI 06-0033	55193126	R4941/BMCR
12791961	R6311/BMCR	30711499	PI06-0019	46451209	R6154/RCR	55193339	G11018
13020927	R6195/SCR	30711504	RA06-934	46455736	CM05-2115	55193839	PI 06-0033
15451354	G3312	30711638	R6196/RCR	46461209	R4781/RCR	55194219	R6502/SCR
15464373	G11374	30711639	R6195/SCR	46462158	R4780/SCR	55194246	R6624/SARCR
17105698	PI 06-0010	30777328	R6371/RNT	46462159	R4781/RCR	55194247	R6625/BMARNT
17123524	PI 06-0054	30777329	R6370/SNT	46465330	PI 06-0004	55194993	R6411/SCR
17317063	CM05-2330	30882363	G11161	46466370	CM05-2163	55194994	R6412/BMCR
20360026	R3598/RCR	30889401	R4973/S	46471599	RA06-902	55195535	R6203/SCR
20370025	R3599/RCR	30889403	R4974/R	46471639	R4877/RCR	55195680	R6304/SCR
20441486	R6301/BMCR	31216640	PI06-0019	46473173	CM05-2205	55195803	CM05-2320
20441787	RA06-987	31251885	PI06-0019	46475925	PI06-0019	55196738	R6154/RCR
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20450002	R6380/SCR	31330182	R6727/RCR	46514754	R4169/RCR	55198342	R6627/BMARNT
20459326	R6378/SCR	31375168	R6928/BMNT	46517325	R4780/SCR	55200250	PI 03-110
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20513284	R6816/BMARC	31375602	R6927/SNT	46518930	R6304/SCR	55200334	R6502/SCR
20513285	R6816/BMARC	31375630	R6925/SNT	46518931	R6305/BMCR	55200422	R6503/BMCR
20525325	RA06-986	31375693	R6926/BMCR	46522371	CM05-2295	55202354	PI 03-110
20540012	R6932/BMARC	31422384	R6916/SNT	46523711	CM05-2114	55202556	R6203/SCR
20540013	R6932/BMARC	31431011	R4246/R	46527855	R4740/BMCR	55202630	R4943/BMCR
20540017	R6932/BMARC	31431031	R4991/RCR	46527856	R4741/BMCR	55204574	R6636/SCR
20561995	R6587/BMCR	31431109	R3048/RCR	46530226	CM05-2164	55205183	R6388/BMCR
20562837	G11586	31431271	R3050/S	46530228	CM05-2163	55206233	R6507/RCR
20564019	R6933/BMARC	31431281	R3049/N	46530230	CM05-2163	55206425	CM05-2283
20712128	R6587/BMCR	31431311	R3659/SCR	46530232	CM05-2163	55206431	R6387/SCR
20737856	R6932/BMARC	31431385	R3720/RCR	46530233	CM05-2164	55206897	CM05-2232
20738717	RA06-987	31431401	R3885/NCR	46530234	CM05-2164	55206898	CM05-2229
20739057	R6815/SARCR	31431402	R3886/NCR	46531590	R4252/SCR	55207517	R6387/SCR
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20740798	R6587/BMCR	31431412	R3888/RCR	46552982	CM05-2116	55208213	R6305/BMCR
20742698	RA06-987	31431491	R3717/S	46552984	CM05-2117	55210015	G11482
20768506	R6588/BMCR	31431591	R3050/S	46553046	R4686/SCR	55210016	G11481
20768519	R6588/BMCR	31431641	R3047/NCR	46553047	R4169/RCR	55211866	R6304/SCR
20789674	G11597	31431661	R1247/N	46553048	R4876/SCR	55211867	R6305/BMCR
20817645	G11374	31431681	R4245/N	46553049	R4877/RCR	55211966	R6304/SCR
20833932	R6759/BMCR	31431761	R4246/R	46750859	R4941/BMCR	55217501	R6502/SCR
20833936	R6760/BMCR	31431822	R3719/RCR	46761369	R6153/SCR	55217502	R6503/BMCR
20904074	G11374	31431861	R1248/S	46761370	R6154/RCR	55219143	R6502/SCR
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20916916	G11586	31431981	R4990/SCR	46765629	PI 06-0033	55219793	R6304/SCR
20919484	G11374	31480436	R6926/BMCR	46767972	PI06-0019	55220016	R6388/BMCR
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21024794	RA06-987	33261754	G3233	46787055	PI 06-0004	55225887	R6757/BMARNT
21154172	CM05-2337	33431503	G2543	46787902	R6204/BMCR	55228536	GS11622
21161213	RA06-988	34109309	PI 06-0001	46802049	R6203/SCR	55228537	GS11622
21260905	RA06-988	35150432	R3466/RCR	46802052	CM05-2282	55228538	GS11622
21415399	RA06-989	36109411	RA06-938	46802420	CM05-2296	55229143	R6502/SCR
21427620	R6932/BMARC	39402830	R4152/SCR	46811575	G11007	55229144	R6503/BMCR
21428655	R6587/BMCR	39402840	R4153/RCR	46811582	G3532	55229666	R6789/SCR
21430918	R6933/BMARC	39403030	R4150/SCR	46816601	G11310	55229667	R6908/SARCR
21637266	RA06-988	39403040	R4151/RCR	46816602	G11311	55229957	R6636/SCR
21705499	G11597	41524470	PI 03-102	46821634	PI 06-0002	55229958	R6640/BMCR
21881195	RA06-986	43198463	CM05-2194	46823507	CM05-2109	55231897	R6790/BMCR

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
55231995	R6909/BMARNT	60525336	R4452/BM	71747245	R6213/RNT	91512096	R3985/SCR
55239748	R6507/RRCR	60525337	R4453/BMARCR	71749843	PI 06-0054	91513446	R3986/RRCR
55251295	R6868/SCR	60540325	R4451/RRCR	73500256	G11069	91518971	R4364/S
55254226	R6867/SCR	60540326	R4450/SCR	73501138	RA06-900	91518972	R4365/RARCR
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55261262	R6867/SCR	60560644	R4611/BMARCR	73503122	PI 06-0004	91535019	R4293/RRCR
55270167	R6636/SCR	60562594	G3130	74109309	PI 06-0001	91537489	R4360/S
55270168	R6636/SCR	60562595	G3134	79109423	PI 06-0056	91537491	R4361/RARCR
55270169	R6640/BMCR	60564098	R4308/RRCR	80005101	G3073	91540748	R4456/SCR
55270170	R6640/BMCR	60572412	G11005	82399099	G2239	91540782	R4457/RRCR
55488988	R8020/RRCR	60572415	G11003	89417422	R6245/SNT	91541478	PI 06-0007
55489762	R8021/BMARNT	60579200	G3114	90106086	R3695/RRCR	93160083	PI 06-0013
55491668	R6895/SNT	60579202	G3110	90106098	R3692/SCR	93160645	R6138/S
55497830	R8010/BMCR	60582738	R6081/RRCR	90106099	R3693/SCR	93160646	R6192/BMCR
55557388	PI 06-0021	60582739	R6082/RARCR	90106792	R4236/SCR	93161681	R6575/BM
55557741	R6504/SCR	60605739	G11013	90106797	R4239/RRCR	93161682	R6784/SNT
55557862	R6366/SCR	60612835	G11005	90128143	RA06-911	93161683	CM05-2194
55558728	R6367/BMCR	60623140	PI 06-0001	90156986	CM05-2134	93161684	CM05-2321
55561747	CM05-2327	60623146	PI 06-0001	90167124	CM05-2134	93161686	PI06-0019
55561748	CM05-2328	60625603	R4612/BM	90169309	R3698/SCR	93161687	RA06-940
55562230	CM05-2362	60664980	PI 06-0014	90215492	R6090/SCR	93168105	R6784/SNT
55562232	CM05-2363	60674496	R4729/BMCR	90220119	R4592/SCR	93171485	PI06-0019
55563529	R6308/SCR	60709284	G2018	90234847	RA06-911	93171486	RA06-942
55565261	R6387/SCR	60735970	G11009	90271222	RA06-911	93177302	CM05-2110
55565262	R6388/BMCR	60743761	G2014	90273368	CM05-2140	93177303	CM05-2109
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55588876	R6895/SNT	61320865	R4772/BMCR	90444758	CM05-2230	93510179	CM05-2221
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60507152	G11177	65183065	CM05-2233	90502514	PI 06-0010	94580144	RA06-996
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60507563	PI 06-0014	69010555	R4038/S	90512282	RA06-911	95507147	R6906/RARNT
60512751	R4309/RARCR	71300017	R4285/RRCR	90512899	CM05-2173	95508052	G11611
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60514041	R4335/RRCR	71739320	R6309/BMCR	90529534	PI 06-0008	95517882	CM05-2351
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60516253	R3326/R	71739771	G11479	90540458	CM05-2255	95528490	RA06-940
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60521576	R1443/R	71741112	R6383/SCR	90570967	PI 06-0010	95551307	R3627/S
60523243	R4180/R	71741113	R6384/RRCR	91013530	R4128/RRCR	95551313	R3983/S
60523548	R3961/RRCR	71742050	R6212/SNT	91160200	RA06-917	95551314	R3984/RRCR
60523550	R3962/RRCR	71744388	R6505/BMCR	91508631	R4311/RRCR	95562253	R3419/S

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
95562254	R3420/R	96951455	R6549/RCR	504042363	R6267/BMCR	963237240	PI06-0019
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95569117	R4055/BMCR	97131961	R6345/SNT	504042367	R6269/BMCR	1020500327	R4186/BMARCR
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96096146	R4945/RCR	98113744	R6646/RNT	504174775	CM05-2200	1020530801	R4472/SNT
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96096852	R4882/RCR	98427672	CM05-2192	504238925	R6340/BMCR	1020531001	R4306/SCR
96098751	R6091/RCR	98427674	CM05-2147	504238926	R6368/SCR	1020531401	R4306/SCR
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96103129	R4986/SCR	98471524	PI 03-106	504246094	CM05-2272	1030500724	G3176
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96137360	R4810/RCR	98479276	R4839/BMCR	504345136	CM05-2268	1030531601	R4185/SCR
96147032	R4459/RCR	98480846	R4838/SCR	504345138	CM05-2269	1030531801	R4185/SCR
96150144	R4822/RCR	98497026	R6326/BMCR	504378070	R6340/BMCR	1030532001	R4473/SNT
96150145	R4821/S	98497235	R6264/SCR	550610648	PRV 01-100	1040501225	PI 06-0035
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96230595	R6166/RCR	99456803	R6266/SCR	550610672	PRV 01-112	1049685145	MI5201/BMCR
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96335947	R6399/SNT	113020260	R3722/R	550610684	PRV 01-118	1100504124	G3097
96335948	R6400/RNT	135118774	CM05-2157	550610686	PRV 01-119	1100505324	G3391
96336671	G11268	155084506	G2156	550610688	PRV 01-120	1100505424	G3096
96338200	G11443	155085004	G2154	552051250	R6590/SCR	1100505824	G3376
96350912	G11417	480005014	R4039/R	552200160	R6388/BMCR	1100505924	G3097
96350913	G11417	480005015	R4040/R	552229340	R6388/BMCR	1110500527	R6429/BMARCR
96351051	RA06-911	500354682	R6266/SCR	552258910	R6590/SCR	1110501227	R4760/RARNT
96352783	R4895/RNT	500354685	R6266/SCR	555588873	R6897/BMARNT	1110501327	R4761/RARNT
96352793	R4895/RNT	500354687	R6267/BMCR	605005940	G3098	1110501427	R4760/RARNT
96376362	PI 06-0010	500355776	R6268/SCR	605129820	R4385/RAR	1110501801	CM05-2162
96376400	PI 06-0010	500355778	R6270/SCR	605129840	R4386/RARCR	1110501901	CM05-2131
96376881	R6462/SCR	500355779	R6269/BMCR	605343650	G3106	1110530201	R6428/SCR
96376980	R6463/RCR	500355780	R6271/BMCR	709652010	MI5053/S	1110531029	G11039
96440079	R6463/RCR	500355788	R6270/SCR	709685010	MI5054/R	1110531101	R4758/SNT
96440081	R6462/SCR	500362855	R6339/SCR	749652011	MI5055/S	1110531201	R4759/SNT
96440147	R6548/SCR	500362856	R6340/BMCR	749685011	MI5056/R	1119652160	MI5202/BMCR
96440148	R6549/RCR	500388426	G11388	753388480	R6712/S	1130500080	PI 06-0034
96440157	CM05-2186	500390993	G11340	753388580	R6725/R	1130500227	R6261/RARNT
96440191	RA06-955	500390994	G11341	822968053	MI5135/R	1130530101	R6260/SNT
96440192	RA06-956	500391436	G11409	894174221	R6245/SNT	1130530329	G11060
96463002	R6807/SNT	500391440	G11407	894174223	R6246/RNT	1131171886	CM05-2292
96463003	R6808/RNT	500391476	G11339	894447025	R6245/SNT	1131712698	PI 06-0049
96801352	RA06-955	500391479	G11338	894447026	R6246/RNT	1131715458	PI 06-0049
96801353	RA06-956	504006993	CM05-2199	909652016	MI5051/S	1131780045	CM05-2354
96951454	R6548/SCR	504006995	CM05-2200	909685022	MI5052/R	1131780046	CM05-2355

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
1150500027	R4188/RCR	2710531001	R6918/SCR	4420500526	R4351/BMCR	5410500127	R6191/BMCR
1150500126	R4497/SCR	2719652005	MI5049/S	4570500327	R6884/BMCR	5410500226	R6190/BMCR
1150500226	R4497/SCR	2719685006	MI5050/R	4570500527	R6884/BMCR	5410500227	R6191/BMCR
1150530101	R4187/S	2720500033	RA06-972	4570530001	R6190/BMCR	5410530101	R6883/SCR
1150530201	R4187/S	2720500927	R6633/BMARCR	4600530001	R6883/SCR	5410531230	G11300
1159652101	MI5154/SCR	2720530501	R6950/SCR	4700500427	R6977/BMARCR	5509652099	MI5180/SCR
1159685105	MI5155/BMCR	2720530601	R6950/SCR	4700500626	R6976/BMCR	5509685104	MI5181/BMCR
1160500027	R4476/BMARCR	2720530801	R6632/SCR	4700500627	R6977/BMARCR	5609652153	MI5191/SCR
1160500426	R4475/RNT	2760500000	RA06-965	4700500826	R6976/BMCR	5609685146	MI5192/BMCR
1160500427	R6133/RNT	2760500027	R6924/BMARCR	4710500527	R6975/BMCR	5801405162	R6340/BMCR
1160503624	G3083	2760500233	RA06-965	4710500926	R6974/BMCR	5801551454	R6269/BMCR
1160504724	G3181	2760501400	RA06-965	4710500927	R6975/BMCR	5801687581	R6877/BMARCR
1160504924	G3182	2769652015	MI5064/S	4710501326	R6974/BMCR	5869652071	MI5096/S
1160505324	G3183	2769685019	MI5065/R	4720500326	R6970/BMARCR	5869685075	MI5097/RNT
1160505524	G3184	2780500126	R6923/SCR	4730500527	R6971/BMARCR	6000616511	R6797/S
1160530201	R6132/SNT	2810530100	R6799/SNT	5000044429	R4064/RCR	6000616512	R6798/BM
1170500027	R4471/BMARCR	2810530200	R6800/RCR	5000044579	R4064/RCR	6000616514	R6798/BM
1170500126	R4470/RCR	2839652017	MI5066/S	5000044581	R4065/RCR	6000616571	CM05-2351
1170500127	R4471/BMARCR	2839685027	MI5067/R	5000046569	R4582/BMCR	6000616572	CM05-2350
1170500624	G3084	2919652019	MI5062/S	5000046570	R4583/BMCR	6001548029	R4575/RCR
1210530401	R3431/S	2919685031	MI5063/R	5000139451	R3790/BMCR	6001552204	R4575/RCR
1230530101	R4189/SCR	3120530230	G2131	5000139452	R4041/BMCR	6001552205	R4574/S
1271077300	CM05-2132	3120540501	PI 03-113	5000143582	R3789/S	6010500080	PI 06-0036
1271077314	CM05-2132	3210530905	R3725/RCR	5000143583	R4133/S	6010500325	PI 06-0036
1271080002	CM05-2133	3210531230	G2132	5000146781	R4134/BMCR	6010500380	PI 06-0036
1300500124	G2140	3270530430	G2149	5000146783	R4132/BMCR	6010500425	PI 06-0036
1320530001	R6743/SNT	3270530701	R4088/SCR	5000658409	R4235/BMCR	6010500525	PI 06-0036
1320530005	R6744/RNT	3270530705	R4089/RCR	5000659284	R3787/BMCR	6010500624	G3091
1350187103	CM05-2156	3270530830	G2148	5000659406	R4131/BMCR	6010500725	PI 06-0036
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1350530005	R6495/RNT	3460530005	R3703/RCR	5000659626	R3982/RCR	6010501227	R4194/BMCR
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1600500180	PI 06-0030	3460530929	G2146	5000659735	R4141/RCR	6010530401	R4193/SCR
1600530001	R6038/SNT	3520530101	R3724/SCR	5000659737	R3982/RCR	6010531201	R4193/SCR
1607589980	G11640	3520531505	R3725/RCR	5000659739	R3787/BMCR	6010531701	R4193/SCR
1607612480	R6887/SNT	3520532229	G3514	5000659741	R3788/BMCR	6010532327	R4194/BMCR
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1608838780	R6953/RNT	3550530005	R4095/RCR	5000663528	R4043/BMCR	6060530330	G3583
1660500080	PI 06-0034	3550530330	G2147	5000663530	R4235/BMCR	6060530701	R4931/SCR
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1759652157	MI5193/SCR	3600500226	R4604/BMCR	5000670121	R3794/BMCR	6060531329	G3580
1759685150	MI5194/BMCR	3600500227	R4605/BMCR	5000670206	R3794/BMCR	6070531200	R6186/BM
1809652044	MI5140/S	3600500326	R4088/SCR	5000676035	R6292/BMCR	6070531300	R6185/S
1809685045	MI5141/R	3609652036	MI5086/S	5000676254	R4374/BMCR	6110500025	PI 06-0021
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2710500027	R6471/BMARCR	4220500127	R4568/BMCR	5010359098	G3325	6160500027	R3634/BMCR
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2710500533	RA06-947	4230500026	R4580/SARCR	5125510280	R4534/S	6160530201	R3633/SCR
2710500627	R6631/BMARCR	4230500327	R4569/BMCR	5125520340	R4535/RCR	6160530301	R3919/SCR
2710501127	R6919/BMARCR	4230500427	R4581/BMCR	5159652070	MI5072/S	6160530329	G2133
2710501401	CM05-2312	4359652061	MI5092/S	5159685074	MI5073/SNT	6160530330	G2136
2710501601	CM05-2313	4359685067	MI5093/R	5209652025	MI5080/S	6170500027	R4192/BMCR
2710511801	CM05-2252	4401465325	R4639/SCR	5209652040	MI5090/S	6170530001	R4191/SCR
2710530001	R6470/SCR	4420500326	R4351/BMCR	5209685039	MI5081/R	6260500000	CM05-2351
2710530501	R6630/SCR	4420500327	R4568/BMCR	5209685051	MI5091/R	6260500100	CM05-2350
2710530601	R6630/SCR	4420500427	R4568/BMCR	5410160791	R6481/R	6260500500	R6797/S

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
6260500800	R6798/BM	7700629763	R3590/S	7701466607	R4724/RCR	8200343407	R6177/S
6280530001	R6426/SNT	7700638247	R3649/R	7701466716	R4717/S	8200343412	R6178/BM
6280530005	R6427/RNT	7700639199	R3591/R	7701466717	R4718/R	8200381573	CM05-2321
6420500080	PI 06-0030	7700648970	R1497/N	7701467249	R4715/BMCR	8200456103	CM05-2194
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6420500527	R6474/RCR	7700713788	R4221/S	7701468035	R4716/S	8200619361	CM05-2193
6420530401	R6473/SCR	7700713790	R4222/RCR	7701468149	R4575/RCR	8200718120	CM05-2148
6460530001	R6426/SNT	7700716248	PI 03-103	7701468169	R4712/S	8200825144	CM05-2321
6510500033	RA06-958	7700733512	R4638/RCR	7701468170	R4713/BMCR	8200827912	CM05-2193
6510500080	PI 06-0048	7700743529	G3590	7701468190	R4979/BM	8200827919	CM05-2193
6510500127	R6756/BMCR	7700747324	R4601/BMCR	7701468193	R4720/BM	8200827922	CM05-2194
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6540530300	R8043/SCR	7700859086	G13600	7701468861	R6290/S	8201033581	CM05-2185
6600500133	RA06-941	7700860677	PI 03-104	7701468862	R6291/BM	891083070	R4603/RCR
6600530005	R6356/RCR	7700865550	R6290/S	7701468960	R4874/S	8941100173	R4547/RCR
6600530101	R6355/SCR	7700865551	R6291/BM	7701468961	R4875/RCR	8941150592	R4548/RARCR
6680500080	PI06-0019	7700865832	R4575/RCR	7701469193	R4720/BM	8942007430	R3808/RCR
6680500180	PI06-0019	7700865934	R4575/RCR	7701469266	R4933/S	8942059770	R3807/S
6680500227	R6135/RCR	7700866418	CM05-2225	7701469269	R4934/R	8942165890	R4602/SCR
6680530229	G11048	7700868202	CM05-2208	7701469369	R4979/BM	8942171780	R3809/S
6680530230	G11051	7700869325	CM05-2149	7701469371	R4720/BM	8942171790	R3810/RCR
6680530301	R6134/SCR	7700869327	CM05-2198	7701469373	R4942/BM	8943268430	R4546/SCR
7109652030	MI5082/S	7700870941	CM05-2209	7701471170	R4874/S	8971371540	R6201/SNT
7109685040	MI5083/R	7700872299	CM05-2226	7701471279	R6138/S	8971371551	R6202/RNT
7403165303	G11374	7701030863	R4762/BMCR	7701471280	R6192/BM	8973096751	R6782/SCR
7420441945	R6379/BMCR	7701035738	CM05-2147	7701471354	R6030/R	8973096771	R6783/RCR
7420459326	R6378/SCR	7701062312	PI06-0019	7701471378	R6029/S	8973858420	R6646/RNT
7420540013	R6932/BMCR	7701203675	R3991/RCR	7701471379	R6030/R	8980169730	R6782/SCR
7420540017	R6932/BMCR	7701452333	G2997	7701471702	R4973/S	8980169741	R6783/RCR
7420564020	R6933/BMCR	7701458152	R3602/S	7701471703	R4974/R	9060500226	R6534/BMCR
7420712128	R6587/BMCR	7701458180	R3589/S	7701471704	R6062/BM	9060500326	R6262/BMCR
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7420833936	R6760/BMCR	7701458792	R3556/S	7701471781	R6064/BMAR	9060500726	R6262/BMCR
7420904074	G11374	7701458793	R3557/R	7701472124	R6029/S	9060500727	R6263/BMCR
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7421024794	RA06-987	7701459824	R3627/S	7701472669	R6237/S	9060530529	G11455
7421049263	CM05-2314	7701459825	R3628/R	7701472670	R6238/BM	9154147980	PI 06-0007
7421049284	CM05-2315	7701460143	R4638/RCR	7701472986	R6177/S	9301337280	PI 06-0017
7421427620	R6932/BMCR	7701460147	R3559/S	7701473004	R6178/BM	9350100480	PI 06-0007
7421428655	R6587/BMCR	7701460148	R3560/R	7701473101	R6139/R	9360500026	R6972/BMCR
7421430918	R6933/BMCR	7701460369	R4719/S	7701473183	R6186/BM	9360500027	R6973/BMCR
7421705499	G11597	7701460624	R3590/S	7701473184	R6185/S	9360500126	R6972/BMCR
7431275353	PI 06-0007	7701460625	R3591/R	7701473354	R6030/R	9456001351	G3169
7438610007	R4937/SCR	7701460690	R3649/R	7701473355	R6030/R	9600068080	RA06-912
7438610008	R4938/RCR	7701460699	R3648/S	7701474286	R6139/R	9600781780	R4623/SCR
7700100282	PI 03-104	7701461214	R4566/BMCR	7701474287	R6138/S	9601136380	R4883/RCR
7700100939	PI 03-104	7701461338	R3639/S	7701475381	R6283/RCR	9602710580	PI 03-105
7700101020	CM05-2235	7701461339	R3640/BM	7701475382	R6282/SCR	9603104288	CM05-2141
7700106359	CM05-2211	7701461802	R3966/R	7701475894	R4575/RCR	9604295780	R4624/BMCR
7700106678	CM05-2150	7701462137	R3965/S	7701475895	R4574/S	9605936180	R4608/S
7700107373	CM05-2236	7701462232	R3639/S	7701476572	R6186/BM	9611782880	R4609/RCR
7700107555	PI 06-0013	7701462385	R4223/SCR	7701476573	R6185/S	9613736280	R3988/RCR
7700107556	RA06-917	7701462486	G3251	7701476595	R6575/BM	9614703280	R4609/RCR
7700107699	G11161	7701462677	R4504/BMNT	7701476596	R6574/S	9621252580	PI 06-0024
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7700108610	CM05-2212	7701462679	R3597/BMNT	7701478130	R6139/R	9623950380	R6113/S
7700109151	G11238	7701462813	R4164/S	7900000681	R4638/RCR	9624222380	PI 06-0007
7700110387	R4973/S	7701462814	R4165/R	7910028074	R3391/R	9624222480	PI 06-0007
7700110389	R4974/R	7701463081	R4221/S	7910029730	R3390/N	9624774280	R6092/SCR
7700110675	CM05-2183	7701463082	R4222/RCR	8200009982	PI 06-0038	9624774580	R6093/BMCR
7700110676	CM05-2184	7701463181	R3649/R	8200019181	CM05-2165	9624835288	CM05-2142
7700113894	CM05-2183	7701463603	R3989/RNT	8200019183	CM05-2166	9627037188	CM05-2102
7700113895	CM05-2184	7701465088	R4574/S	8200032853	CM05-2207	9627040588	CM05-2103
7700114862	G11344	7701465090	R4575/RCR	8200043152	CM05-2168	9627184380	R6163/SCR
7700115267	CM05-2254	7701465107	R4698/BM	8200084742	CM05-2234	9628830180	PI 06-0007
7700272940	CM05-2182	7701465172	R4600/S	8200089894	CM05-2151	9628943380	R6112/S
7700273371	R4574/S	7701465173	R4757/BMCR	8200100527	CM05-2183	9629861180	R6111/RCR
7700505115	R3394/R	7701465495	R6078/S	8200100528	CM05-2184	9630597380	R4243/SCR
7700509771	R3393/N	7701465496	R6079/S	8200115605	RA06-917	9631491280	PI 06-0007
7700555263	R1498/R	7701465497	R6080/RCR	8200235677	CM05-2366	9632511880	PI 06-0007
7700565824	R3602/S	7701466606	R4723/S	8200255678	CM05-2151	9632511980	PI 06-0007

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9634435080	PI 06-0024	11318575438	CM05-2323	11341720827	R4454/S	11347583777	R6774/S
9634437580	R6164/BMCR	11318575439	CM05-2354	11341720828	R4455/BMARCR	11347583779	R6774/S
9635317980	R6161/SCR	11318575440	CM05-2355	11341722892	R4692/S	11347583780	R6775/BMAR
9635318480	R6162/BMCR	11321717798	PI 06-0029	11341722893	R4693/BMARCR	11347585901	R6711/S
9635323080	PI 06-0024	11321727471	PI 06-0029	11341722896	R4617/S	11347587470	R6663/S
9635447280	PI 06-0007	11321727993	PI 06-0029	11341722897	R4618/BMARCR	11347592839	R6392/BMARCR
9636001780	R6114/RCR	11321734341	PI 06-0029	11341722903	R4693/BMARCR	11347598273	R6775/BMAR
9636298080	R6147/S	11321739298	PI 06-0029	11341722908	R4692/S	11347633699	R6948/S
9636848280	RA06-914	11321739299	PI 06-0029	11341722909	R4693/BMARCR	11347757840	R6733/BMCR
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9637805488	CM05-2167	11321748880	PI 06-0021	11341722911	R4618/BMARCR	11347791055	R6321/RNT
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9640296380	RA06-913	11331274054	PI 06-0049	11341731642	R4797/S	11347805969	R6398/BMCR
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9640840080	R6398/BMCR	11331707712	PI06-0019	11341736558	R4795/BMARCR	11347812618	R6771/SCR
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9645024780	R6397/SCR	11331712010	PI 06-0049	11341736568	R4795/BMARCR	11347829955	R6252/SCR
9645976580	CM05-2175	11331714604	PI 06-0049	11341736576	R4798/BMARCR	11348506606	R6931/SCR
9650981280	PI06-0019	11332247722	PI06-0019	11341738214	R4799/SCR	11348511622	R6621/RCR
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9651263580	RA06-915	11332249817	PI06-0019	11341738218	R4864/S	21011007010	R3447/S
9652206480	PI 06-0024	11337512116	PI06-0019	11341738219	R4865/R	21011007012	R3448/R
9653928680	RA06-969	11337514977	RA06-976	11341738220	R4799/SCR	21011007032	G2397
9659189980	PI 06-0055	11337514978	RA06-975	11341738221	R4800/BMARCR	21011007033	G2398
9660035980	R6508/SCR	11337522124	RA06-977	11341739114	R6015/S	21081007010	R4387/SNT
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9675073180	R6937/BMAR	11337549632	PI 06-0046	11341739821	R4865/R	47100500426	R6974/BMCR
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9683893280	RA06-915	11337812893	RA06-949	11342244814	R4919/BMCR	51032011057	G11334
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9889652068	MI5138/S	11341251879	R3411/S	11347502351	R4800/BMARCR	51041010367	R4316/BMCR
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11121735534	G3544	11341267721	R3635/SCR	11347513023	R6252/SCR	51041010410	R6257/BMCR
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11317791579	CM05-2310	11341438284	R4864/S	11347547187	R6664/R	51041010463	R6650/BMCR
11317791580	CM05-2311	11341438381	R4799/SCR	11347548280	R6857/S	51041010478	R4635/BMCR
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11317797513	CM05-2317	11341438449	R4799/SCR	11347552952	R6734/S	51041010482	R6492/BMCR
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11318506077	CM05-2323	11341440304	R6391/S	11347552955	R6856/BMARCR	51041010498	R6762/BMCR
11318509118	CM05-2316	11341485585	R6252/SCR	11347553771	R6715/S	51041010499	R6649/BMCR
11318509119	CM05-2317	11341706941	R4606/SCR	11347553772	R6716/BM	51041010501	R6650/BMCR
11318509120	CM05-2354	11341707519	R6392/BMARCR	11347553774	R6731/BM	51041010503	R6650/BMCR
11318509121	CM05-2355	11341713731	R4796/BMARCR	11347553775	R6732/S	51041010506	R6762/BMCR
11318575435	CM05-2316	11341717579	R4607/BMARCR	11347553776	R6733/BMCR	51041010509	R6649/BMCR
11318575436	CM05-2317	11341717878	R4607/BMARCR	11347555760	R6855/S	51041010515	R6761/SCR
11318575437	CM05-2322	11341717978	R4607/BMARCR	11347573840	R6733/BMCR	51041010516	R6761/SCR



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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
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51041010537	R6761/SCR	0003065V003000000	RA06-907	027 109 611B	R4295/BMARCRCR	036 109 601B	R3763/S
51041010538	R6762/BMCR	00292190.31	MI3285/SNT	027 109 611D	R4295/BMARCRCR	036 109 601C	R3726/S
51041010545	R6576/BMCR	00467974030L	PI 06-0001	028 109 601A	R4615/BMARCRCR	036 109 601P	R4966/S
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51041010547	R6331/BMCR	006.1952.0	G3542	028 109 601D	R6087/S	036 109 611	R3977/R
51041010548	R6332/BMCR	007.1146.0/11	MI5171/SARCR	028 109 601H	R4776/BMCR	036 109 611AE	R6014/BM
51041010571	R6576/BMCR	007.1147.0/12	MI5172/BMCR	028 109 601J	R4946/S	036 109 611K	R6014/BM
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61560050022	R4680/BMCR	010.6016.0	MI5186/BMNT	028 109 611G	R4947/R	036109101AG	CM05-2306
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94810531101	R6706/SARCR	014111470-10	G2616	029012111C	R3817/S	036109101DJ	CM05-2214
94810531200	R6707/BMARCRCR	016.1420.0	MI3287/SNT	030 103 419A	G11194	036109101EC	CM05-2324
94810531253	R6708/BMARCRCR	016.1421.0	MI3288/BMNT	030 109 423	PI 06-0008	036109411C	RA06-938
94810532102	R6736/SCR	021 101 403	G2669	030 109 423 B	PI 06-0008	036109411D	RA06-938
94810532202	R6738/BMARCRCR	021 101 417	G2671	030 109 601	R4366/S	036109601AK	R6205/S
94810532252	R6737/BMARCRCR	021 109 601	R3407/S	030 109 601AG	R4964/S	036109601S	R6205/S
95810960100	R6900/SCR	021 109 612	R3489/RCR	030 109 601AH	R4952/S	037 103 419B	G3593
95810961101	R6207/BMCR	0210 8184	R6188/RCR	030 109 601AK	R6351/S	037 109 601	R4806/S
1011003300003	R1442/S	02130.12	G11315	030 109 601AL	R6197/S	037 109 611B	R4807/R
105000330103	R1443/R	02130.13	G11317	030 109 601C	R4368/S	0370-10-280	G2937
105120330001	R3325/S	022 109 423	PI06-0019	030 109 601D/F	R4645/SCR	038 109 101AE	CM05-2204
105120330102	R3326/R	022 109 423A	PI06-0019	030 109 601E	R4646/SCR	038 109 101AF	CM05-2203
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116760330001	R3598/RCR	022 109 423D	PI06-0019	030 109 601L	R4802/S	038 109 601E	R6208/S
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195590330100	R3599/RCR	0220.38	G2980	030109101P	RA06-939	038109101R	CM05-2126
210811007010	R4388/SNT	0220.40	G2554	030109411b	RA06-939	038109309A	PI 06-0032
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6226046000054	R4305/SCR	0220.60	G3160	032 103 418A	G11198	039.1421.0/02	MI3457/RNT
622604603024	R4310/RCR	0220.64	G3239	032 103 419A	G11181	03C109101AF	CM05-2294
622804603014	R4725/SCR	0220.72	G3241	032 109 601G	R4804/S	03C109101AT	CM05-2293
6234046000054	R4769/BMCR	0220.75	G3163	032 109 601L	R6452/S	03C109101BC	CM05-2308
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632134600014	R1036/SCR	0220.A2	G11319	032109611M	R6198/BM	03C109101DD	CM05-2276
6321346000024	R1037/SCR	0220-55	G3167	032412111A	R3821/S	03C109101DF	CM05-2275
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6987046000024	R4331/SCR	0221.21	G3344	034109309N	PI 06-0001	03C109601L	R6776/SARNT
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000 054 0201	PI 06-0001	025 109 612A	R4210/RCR	036 109 411G	RA06-948	03F 109 601A	R6718/S
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000.9652.088	MI5074/S	026 109 601C	R4521/R	036 109 423 A	PI 06-0008	03F109101D	CM05-2331
000.9652.089	MI5070/S	026 109 611A	R4116/R	036 109 601	R3654/S	03F109411	RA06-971
000.9685.091	MI5075/SNT	027 103 415	G3288	036 109 601A	R3976/S	03G 109 101A	CM05-2179

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
03G 109 101B	CM05-2179	047 109 601F	R6181/SCR	050109309A	PI 06-0001	059 109 611C	R6086/BMARCR
03G 109 102B	CM05-2180	047 109 611B	R6182/RCR	050109309C	PI 06-0001	059 109 611G	R6454/BMARCR
03G 109 102C	CM05-2177	047 109 611D	R6180/RCR	050109309H	PI 06-0001	059 109 611H	R6515/BMAR
03G 109 102F	CM05-2181	047 20 146	R3598/RCR	050109309J	PI 06-0001	059 109 611K	R6515/BMAR
03G 109 411	PI 06-0045	047 20 148	R3599/RCR	050109309M	PI 06-0001	059 109 611M	R6515/BMAR
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03G 109 411 B	PI 06-0045	04777772AB/AC	R6253/BMCR	05066769AA	R6461/BMCR	05E109611B	R6997/BMNT
03G 109 411 C	PI 06-0042	04777898AA	R6598/RCR	05066770AA	R6460/SCR	05L109521	PI 06-0040
03G 109 412	PI 06-0043	048 109 601 A	R4643/SCR	05073735AA	R6173/SNT	062 109 601	R6312/SCR
03G 109 412 A	PI 06-0044	048 109 601A	R4643/SCR	05073738AA	R6174/RNT	062 109 611A	R6313/BMCR
03G 109 412 B	PI 06-0043	048 109 601E	R6451/S	051 103 419	G3561	062.1420.0/12	MI3968/BMCR
03G 109 412 C	PI 06-0044	048 109 611A	R4642/BMARCR	051 109 601B	R4808/S	062.1420.2/10	MI3783/BMCR
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03G 109 601B	R6372/S	048 812 121A	R3822/RCR	05175396AA	R6496/SCR	0636-12111	R6055/SNT
03G 109 611B	R6354/BM	04852411AA	R6597/SCR	05175397AA	R6474/RCR	066.1420.0	MI3785/SNT
03G 109 611D	R6373/BM	04884690AA	R6598/RCR	05175441AA	RA06-970	066.1421.0	MI3786/BMNT
03H 109 611E	R6704/BMARCR	04884691AA	R6597/SCR	052 109 601	R3477/S	068 109 601	R3564/S
03L 109 021	CM05-2195	049 103 419	G3061	052 109 611	R3478/R	068 109 601C	R3646/S
03L 109 021E	CM05-2195	049 109 601A	R3611/XB	052 109 611A	R3727/R	068 109 601D	R4199/BMCR
03L 109 022	CM05-2196	049 109 601F	R3728/S	052.1420.0/01	MI3395/SNT	068 109 601M	R4296/R
03L 109 022D	CM05-2196	049 109 603	R4113/S	052.1421.0	MI3967/RNT	068 109 601N	R4296/R
03L 109 022E	CM05-2196	049 109 611A	R3612/RAR	0527-12121	R6056/RNT	068 109 611	R3565/R
03L 109 521A	PI 06-0040	049 109 611F	R3729/R	053 109 611	R4642/BMARCR	068 109 611C	R3647/R
03L 109 601	R6564/S	049 109 613	R4114/RCR	056 103 419A	G2664	068 109 611D	R4200/BMCR
03L 109 601A	R6690/S	0490 0685	R6759/BMCR	056 109 601A	R3536/S	068 109 611L	R4484/RCR
03L 109 611	R6565/BM	0490 0686	R6760/BMCR	056 109 601C	R3536/S	068 109 611M	R4484/RCR
03L 109 611A	R6691/R	0490 3005	R6759/BMCR	056 109 611A	R3537/R	069 109 417A	RA06-946
03L109521	PI 06-0040	0490 3006	R6760/BMCR	058 103 415	G3552	069 109 601	R3641/S
03P109021	CM05-2279	0490 8629	G11597	058 109 601C	R4852/SARCR	069 109 601C	R3662/S
03P109022	CM05-2280	0490-3005	R6672/SCR	058 109 611E	R6189/BMARCR	069 109 601D	R3662/S
0414 9844	G11405	0490-3006	R6673/RCR	058 109 611M	R4853/BMARCR	069 109 601F	R4483/SCR
0414 9849	G11406	04B109601	R6690/S	059 109 009BH	CM05-2187	069 109 601G	R4483/SCR
0417 8158	R6188/RCR	04B109611	R6691/R	059 109 009BJ	CM05-2188	069 109 601H	R4899/BMARCR
0419 5708	G11512	04C109601C	R8030/SARNT	059 109 021AS	CM05-2190	069 109 601N	R4296/R
042.1420.2/01	MI3782/BMCR	04C109601D	R8034/SNT	059 109 021BA	CM05-2189	06A 109 601E	R4806/S
0420 8095	R6141/SCR	04C109611A	R8031/BMARNT	059 109 021BP	CM05-2121	06B 109 417C	RA06-943
0420 8096	R6142/RCR	04C109611B	R8035/BMNT	059 109 021BQ	CM05-2120	06B 109 601B	R6155/S
0422 0142	R6223/BMCR	04C109611C	R8036/BMARNT	059 109 021CK	CM05-2189	06B 109 601D	R6155/S
0422 0143	R6222/BMCR	04E 109 601A	R6837/S	059 109 021CL	CM05-2190	06B 109 601H	R6155/S
0422 0708	G11381	04E 109 601B	R6839/S	059 109 021CR	CM05-2189	06B 109 611B	R6156/BM
0422 6412	R6223/BMCR	04E 109 611J	R6840/RCR	059 109 021CS	CM05-2190	06B 109 611C	R6156/BM
0422 6413	R6222/BMCR	04E 109 611K	R6838/RCR	059 109 021K	CM05-2121	06B109101G	CM05-2231
0423 1976	G11386	04E109411AA	RA06-959	059 109 021L	CM05-2120	06B109101Q	CM05-2231
0425 0074	G11597	04E109411H	RA06-959	059 109 021P	CM05-2120	06B109417D	RA06-943
0425 0137	R6670/SCR	04E109411J	RA06-959	059 109 021Q	CM05-2121	06B109611D	R4853/BMARCR
0425 0138	R6671/BMCR	04E109411L	RA06-980	059 109 022AF	CM05-2187	06B409417C	RA06-943
0425 4232	R6670/SCR	04E109411M	RA06-980	059 109 022AG	CM05-2188	06D 109 601K	R6206/S
0425 4233	R6671/BMCR	04E109423C	PI 06-0056	059 109 022BC	CM05-2122	06D 109 601M	R6580/SCR
0425 5216	R6141/SCR	04E109423D	PI 06-0056	059 109 022BD	CM05-2123	06D 109 611H	R6207/BMCR
0427 2011	G11449	04E109423E	PI 06-0056	059 109 022BQ	CM05-2187	06D 109 611K	R6207/BMCR
0428 0048	R6377/BMCR	04E109423F	PI 06-0056	059 109 022BR	CM05-2188	06D 109 611L	R6207/BMCR
0428 0049	R6376/BMCR	04E109601	R6778/S	059 109 022K	CM05-2122	06D109 611T	R6207/BMCR
0428 0350	R6377/BMCR	04E109601A	R6837/S	059 109 022L	CM05-2123	06D109101AL	CM05-2248
0428 3378	R6670/SCR	04E109601AB	R6996/S	059 109 022P	CM05-2123	06D109101AP	CM05-2248
0428 3379	R6671/BMCR	04E109601B	R6839/S	059 109 022Q	CM05-2122	06D109102AK	CM05-2249
0428 9801	R6671/BMCR	04E109601P	R8032/SARNT	059 109 417A	RA06-946	06D109102AM	CM05-2249
0429 1386	R6670/SCR	04E109611AC	R8033/BMARNT	059 109 417B	RA06-946	06D109417F	RA06-944
043 106 611	R3544/R	04E109611H	R6840/RCR	059 109 417C	RA06-946	06E 109 417P	RA06-945
043 109 611A	R3544/R	04E109611J	R6840/RCR	059 109 417D	RA06-946	06E 109 417S	RA06-944
043 109 612	R4494/RCR	04E109611K	R6838/RCR	059 109 417F	RA06-946	06E 109 601E	R6206/S
045 109 601	R6389/S	04E109611L	R6779/RCR	059 109 417G	RA06-946	06E 109 601H	R6581/SCR
045 109 611	R6390/R	04L 109 601	R6564/S	059 109 417J	RA06-946	06E109409	RA06-951
045109101C	CM05-2124	04L 109 611B	R6565/BM	059 109 521 B	PI 06-0008	06E109409A	RA06-951
045109101J	CM05-2263	04L109417	RA06-997	059 109 521 C	PI 06-0008	06E109409B	RA06-993
046 109 601B	R4495/S	04L109601A	R6690/S	059 109 521 E	PI 06-0008	06E109409G	RA06-993
046 109 601C	R4502/SCR	04L109601B	R6564/S	059 109 521 F	PI 06-0040	06E109409H	RA06-951
046 109 601J	R4776/BMCR	04L109601H	R6992/S	059 109 521G	PI 06-0040	06E109409J	RA06-993
046 109 611C/E	R4616/BMARCR	04L109611	R6993/BM	059 109 521H	PI 06-0040	06E109409K	RA06-951
046 109 611E	R4777/BMCR	04L109611A	R6691/R	059 109 601B	R6085/SCR	06E109409L	RA06-993
046 109 611F	R4777/BMCR	050 73 735AA	R6173/SNT	059 109 601C	R6085/SCR	06E109409M	RA06-951
04667969AB	R6597/SCR	050 73 738AA	R6174/RNT	059 109 601F	R6453/SCR	06E109409R	RA06-951
047 109 601B	R6349/SCR	050109 309	PI 06-0001	059 109 601G	R6514/S	06E109417	RA06-945
047 109 601D	R6179/SCR	050109101A	CM05-2244	059 109 611B	R6086/BMARCR	06E109417A	RA06-944

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
06E109417AA	RA06-992	0801.FY	CM05-2270	0948.65	R4881/S	0949.A4	R6158/BMCR
06E109417AE	RA06-993	0801.FZ	CM05-2271	0948.68	R4623/SCR	0949.A7	R6160/BMCR
06E109417E	RA06-945	0801.GJ	CM05-2109	0948.69	R4412/S	0949.A8	R6148/RCR
06E109417H	RA06-992	0801.GK	CM05-2110	0948.71	R4360/S	0949.A9	R6162/BMCR
06E109417N	RA06-992	0801.K9	CM05-2223	0948.72	R4944/SCR	0949.B1	R6150/BMCR
06E109417S	RA06-944	0801.L2	CM05-2143	0948.73	R4881/S	0949.C1	R6396/BMCR
06E109611K	R6207/BMCR	0801.LL	CM05-2258	0948.74	R4821/S	0949.C3	R6398/BMCR
06F109101B	CM05-2246	0801.T5	CM05-2142	0948.75	R6329/SCR	0949.C4	R6442/BMCR
06F109101J	CM05-2246	0801.T9	CM05-2192	0948.82	R6060/S	0949.C5	R6148/RCR
06F109102B	CM05-2247	0801.V8	CM05-2147	0948.83	R4975/SCR	0949.C6	R6943/BMCR
06F109102E	CM05-2247	0801.V9	CM05-2103	0948.84	R6151/SCR	0949.C8	R6440/RNT
06H109021J	CM05-2277	0801.W0	CM05-2102	0948.91	R6110/S	0949.E1	R6596/BMCR
06H109021K	CM05-2347	0801.Z0	CM05-2335	0948.92	R6112/S	0949.E2	R6664/RCR
06H109022AH	CM05-2348	0801.Z1	CM05-2336	0948.93	R6089/S	0949.E3	R6509/RCR
06H109022BA	CM05-2278	0801.Z9	CM05-2146	0948.94	R4243/SCR	0949.F0	R6695/BMCR
06H109022BB	CM05-2348	081.1420.0/01	MI4203/SARNT	0948.95	R6092/SCR	0949.F5	R6727/RCR
06H109022BC	CM05-2348	0903.46	RA06-912	0948.99	R6113/S	0949.F6	R6725/R
06H109022BG	CM05-2349	0903.58	RA06-913	0948.A1	R6347/S	0949.F7	R6729/RCR
06H109022BH	CM05-2348	0903.59	RA06-913	0948.A2	R3989/RNT	0949.G2	R6596/BMCR
06H109022BJ	CM05-2349	0903.60	RA06-915	0948.A3	R6163/SCR	0949.G3	R6640/BMCR
06J 109 423	PI06-0019	0903.64	RA06-913	0948.A4	R6157/S	0K95K12101A	PI 06-0021
06J109417	RA06-945	0903.65	RA06-914	0948.A7	R6159/S	1007056/10	PRV 01-107
06K109601	R6900/SCR	0903.66	RA06-934	0948.A9	R6147/S	1007056/11	PRV 01-108
06K109601B	R8037/S	0903.67	RA06-934	0948.C0	R6161/SCR	1007056/12	PRV 01-109
06K109611A	R6207/BMCR	0903.68	RA06-978	0948.C2	R6149/SCR	1007056/13	PRV 01-110
06K109611D	R8038/BMCR	0903.69	RA06-915	0948.C4	R6395/SCR	1007056/14	PRV 01-111
06K109611E	R6207/BMCR	0903.H0	RA06-964	0948.C7	R6397/SCR	1007056/15	PRV 01-112
06L109601	R6900/SCR	0903.H1	RA06-969	0948.C8	R6441/S	1007056/16	PRV 01-113
06L109601C	R6994/S	0903.H3	RA06-950	0948.E0	R6147/S	1007056/18	PRV 01-114
06L109601E	R8039/SARNT	0903.H4	RA06-915	0948.E1	R6942/SCR	1007056/20	PRV 01-115
06L109611	R6995/BMCR	0903.H5	RA06-950	0948.E2	R6439/SNT	1007056/22	PRV 01-116
06L109611B	R8040/BMARNT	0903.H6	RA06-950	0948.E5	R6595/SCR	1007056/24	PRV 01-117
070109101P	CM05-2125	0903.H7	RA06-950	0948.E6	R6508/SCR	1007056/26	PRV 01-118
070109101Q	CM05-2161	0903.H8	RA06-950	0948.E8	R6663/S	1007056/28	PRV 01-119
071.1420.2/01	MI3784/BMCR	0903.J1	RA06-934	0948.F5	R6694/SCR	1007056/30	PRV 01-120
071.1421.2	MI4029/BMCR	0903.J2	RA06-962	0948.F6	R6724/SCR	1007056/32	PRV 01-121
074 109 611	R4640/RCR	0903.J3	RA06-961	0948.F7	R6726/SCR	1007056/34	PRV 01-122
074.1420.2	MI4204/BMCR	0903.J4	RA06-915	0948.F9	R6712/S	1007056/36	PRV 01-123
074.1421.2	MI4205/BMCR	0903.J6	RA06-950	0948.G1	R6728/SCR	1007056/38	PRV 01-124
078 109 601A	R4806/S	0907.24	RA06-927	0948.G4	R6711/S	1007056/40	PRV 01-125
078 109 601B	R4806/S	0910.36	RA06-913	0948.H0	R6636/SCR	1007056/42	PRV 01-126
078 109 601E	R4806/S	0942.22	PI 06-0007	0949.F1	R6164/BMCR	1007056/44	PRV 01-127
078 109 601F	R4806/S	0942.25	PI 06-0017	0949.F5	R6714/RCR	1007056/46	PRV 01-128
078 109 611C	R4807/R	0942.28	PI 03-105	0949.25	R3443/RCR	1007056/48	PRV 01-129
078.1420.0	MI4206/SNT	0942.30	PI 06-0007	0949.32	R4638/RCR	1007056/50	PRV 01-130
079 109 601B	R6580/SCR	0942.31	PI 06-0007	0949.39	R3443/RCR	1007056/52	PRV 01-131
079109611D	R6207/BMCR	0942.32	PI 06-0024	0949.47	R3988/RCR	1010A260	R6887/SNT
079109611F	R6207/BMCR	0942.33	PI 06-0016	0949.57	R4293/RCR	1010A272	R6889/SNT
079109611G	R6207/BMCR	0942.34	PI 06-0007	0949.59	R4231/RCR	1011A286	R6888/BMNT
0801.55	CM05-2221	0942.35	PI 06-0007	0949.60	R3988/RCR	1011A287	R6890/BMNT
0801.AC	CM05-2176	0942.40	PI 06-0007	0949.62	R4457/RCR	1025A091	RA06-981
0801.AE	CM05-2175	0942.42	PI06-0019	0949.63	R4533/RARCR	1031007-5	R6005/RNT
0801.AH	CM05-2145	0942.45	PI 06-0007	0949.64	R4810/RCR	1031008-8	R6004/SNT
0801.AJ	CM05-2284	0942.46	PI 06-0024	0949.68	R4624/BMARCR	104-4845-200	G11337
0801.AK	CM05-2285	0942.47	PI 06-0007	0949.69	R4699/BMCR	107-4845-127	G11113
0801.C2	CM05-2221	0942.48	PI 06-0024	0949.70	R4882/RCR	107-4845-200	G11115
0801.C9	CM05-2222	0942.49	PI 06-0039	0949.71	R4413/RCR	11 33 2 248 878	RA06-942
0801.CY	CM05-2144	0942.50	PI 06-0037	0949.72	R4609/RCR	11115-54G00-001	G11470
0801.CZ	CM05-2270	0942.51	PI06-0019	0949.73	R4810/RCR	11115-60B11	G11280
0801.E0	CM05-2271	0942.52	PI06-0019	0949.74	R3988/RCR	11115-62D00	G11184
0801.E8	CM05-2141	0942.53	PI06-0019	0949.78	R4361/RARCR	11115-69L00-000	G11611
0801.EA	CM05-2258	0942.86	PI 06-0055	0949.79	R4945/RCR	11115-73G01-001	G11438
0801.EC	CM05-2257	0942.87	PI 06-0046	0949.80	R4822/RCR	11115-77G00-01	G11508
0801.EG	CM05-2353	0942.88	PI 06-0050	0949.81	R6330/RCR	11115-78E00	G11188
0801.EW	CM05-2270	0942.89	PI06-0019	0949.87	R6061/BMARCR	11115-82000-001	G3277
0801.EX	CM05-2271	0942.G2	PI 06-0047	0949.89	R4976/RCR	11115A-70B00	G11184
0801.EZ	CM05-2361	0942.G4	PI06-0019	0949.90	R6152/RCR	11116-78E01	G11186
0801.FA	CM05-2360	0948.27	R3442/N	0949.92	R6111/RCR	11122-15030	G11439
0801.FC	CM05-2256	0948.36	R3559/S	0949.96	R6093/BMCR	11122-16010	G11506
0801.FF	CM05-2358	0948.58	R4230/S	0949.99	R6114/RCR	11122-17010	G11580
0801.FG	CM05-2359	0948.61	R4456/SCR	0949.A0	R4887/BMCR	11122-20020	G11365
0801.FL	CM05-2352	0948.62	R4532/S	0949.A2	R6348/RCR	11122-21010	G11364
0801.FV	CM05-2360	0948.63	R4883/RCR	0949.A3	R6164/BMCR	11122-24020	G2745

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
11122-27010	<b>G11369</b>	12911A82000	<b>R4549/SNT</b>	13201-17F01	<b>R4744/SNT</b>	13201-Y9701	<b>R4287/SCR</b>
11122-30020	<b>G11368</b>	12911-M68K00-000	<b>R6611/SNT</b>	13201-18000	<b>R3835/S</b>	13202-00Q0A	<b>R6575/BM</b>
11122-31041	<b>G11595</b>	12911-M84400	<b>R6445/SNT</b>	13201-1980R	<b>R6185/S</b>	13202-00Q0L	<b>R6798/BM</b>
11122-54010	<b>G3280</b>	12911-M84420	<b>R6445/SNT</b>	13201-1AT0A	<b>R6739/RNT</b>	13202-00Q0P	<b>R6798/BM</b>
11122-56010	<b>G11192</b>	12911-M86J00	<b>R6304/SCR</b>	13201-1F700	<b>R6430/SNT</b>	13202-00QAA	<b>R6030/R</b>
11122-56020	<b>G3500</b>	12915-54G00	<b>R6213/RNT</b>	13201-20610	<b>R3839/S</b>	13202-00QAD	<b>R6238/BM</b>
11122-68010	<b>G11249</b>	12915-60A50	<b>R4552/RNT</b>	13201-21000	<b>R3841/SCR</b>	13202-00QAE	<b>R6192/BM</b>
11122-74030	<b>G11505</b>	12915-66G00	<b>R3988/RCR</b>	13201-22301	<b>R6510/RARNT</b>	13202-00QAH	<b>R4934/R</b>
11124-87701	<b>G3173</b>	12915-67JG0	<b>R4974/R</b>	132012274R	<b>R6574/S</b>	13202-00QAK	<b>R6178/BM</b>
11126-24020	<b>G2746</b>	12915-67L50-000	<b>R6906/RARNT</b>	13201-22J00/01	<b>R6510/RARNT</b>	13202-00QAP	<b>R6186/BM</b>
11126-54011	<b>G3497</b>	12915-68L10-000	<b>R6640/BMCR</b>	13201-22J11	<b>R4746/RARNT</b>	13202-01B00	<b>R4441/RCR</b>
1115-69G00	<b>G11305</b>	12915-69G50	<b>R6211/RNT</b>	13201-25M00	<b>R4407/SNT</b>	13202-01M00	<b>R4404/RNT</b>
113 101 401	<b>G2650</b>	12915-69L00-000	<b>R6723/RNT</b>	13201-2F000	<b>R4653/RCR</b>	13202-01W03	<b>R4891/RNT</b>
113 101 415	<b>G2654</b>	12915-69L60-000	<b>R6723/RNT</b>	13201-2F200	<b>R6281/SNT</b>	13202-10B00	<b>R4441/RCR</b>
113 109 601A	<b>R1228/S</b>	12915-71C50	<b>R6122/RNT</b>	13201-2J201	<b>R6108/SNT</b>	13202-16A00	<b>R4486/RNT</b>
113 109 611C/D	<b>R1229/R</b>	12915-73G00	<b>R6217/RNT</b>	13201-2W201	<b>R6282/SCR</b>	13202-1800	<b>R3836/RCR</b>
113 109 612	<b>R1229/R</b>	12915-73G20	<b>R6217/RNT</b>	13201-3562R	<b>R6799/SNT</b>	13202-1AT0A	<b>R6740/RNT</b>
115-85FA0-001	<b>G11306</b>	12915-73J00	<b>R6396/BMCR</b>	13201-43G01	<b>R4923/SNT</b>	13202-1F700	<b>R6431/RNT</b>
116 109 601D	<b>R3100/S</b>	12915-78B00-222	<b>R4895/RNT</b>	13201-44G00	<b>R4811/RCR</b>	13202-21002	<b>R3842/RNT</b>
11915-A78B01-000	<b>R4895/RNT</b>	12915-78E00	<b>R6334/RNT</b>	13201-4A00A	<b>R6611/SNT</b>	13202-22F00	<b>R4745/RNT</b>
12204-689-305	<b>G3567</b>	12915-82000	<b>R4550/RNT</b>	13201-4M500	<b>R6275/SNT</b>	13202-2F000	<b>R6276/RNT</b>
12204-P5TG00	<b>G11323</b>	12915-82050	<b>R4550/RNT</b>	13201-51E10	<b>R6006/SNT</b>	13202-2F210	<b>R6278/RARNT</b>
12204-PA6-305	<b>G11094</b>	12915-84000	<b>R4163/RNT</b>	13201-57Y00	<b>R4653/RCR</b>	13202-2J201	<b>R6109/RNT</b>
12204-PH7-305	<b>G11096</b>	12915-85E00	<b>R6305/BMCR</b>	13201-58000	<b>R4590/SCR</b>	13202-2W200	<b>R6283/RCR</b>
12204-PJ7-305	<b>G3571</b>	12915-86500	<b>R4743/RNT</b>	13201-60J02	<b>R6175/SNT</b>	13202-31N01	<b>R4924/RNT</b>
12204-PNA-305	<b>G11472</b>	12915-86CA0	<b>R3988/RCR</b>	13201-60J03	<b>R6175/SNT</b>	13202-3HDOA	<b>R6903/BMARNT</b>
12204-PR3-305	<b>G11474</b>	12915-86F50	<b>R6215/RNT</b>	13201-60J04	<b>R6175/SNT</b>	13202-40L00	<b>R4747/RARNT</b>
12205-657-315	<b>G11095</b>	12915A82050	<b>R4550/RNT</b>	13201-6894R	<b>R6862/SNT</b>	13202-43G01	<b>R4924/RNT</b>
12205-689-305	<b>G3568</b>	12915-M68K00-000	<b>R6612/RNT</b>	13201-69T60	<b>R4923/SNT</b>	13202-44F00	<b>R6007/RARNT</b>
12205-PH7-305	<b>G11097</b>	12915-M84400	<b>R6446/RNT</b>	13201-6F900	<b>R4821/S</b>	13202-44G00	<b>R4812/RCR</b>
12205-PJ7-305	<b>G3572</b>	12915-M84440	<b>R6446/RNT</b>	13201-70J00	<b>R4655/SCR</b>	13202-4894R	<b>R6798/BM</b>
12205-PNA-305	<b>G11513</b>	12G1111	<b>G2772</b>	13201-73000	<b>R3843/S</b>	13202-4905R	<b>R6186/BM</b>
12205-PR3-305	<b>G11475</b>	12G941	<b>R3357/SNT</b>	13201-7322R	<b>R6901/SNT</b>	13202-4A00A	<b>R6612/RNT</b>
12208-634-000	<b>G3573</b>	13001-00Q0C	<b>CM05-2321</b>	13201-7444R	<b>R6797/S</b>	13202-4A00D	<b>R6612/RNT</b>
12209-634-000	<b>G3574</b>	1300100Q0R	<b>CM05-2148</b>	132018521R	<b>R6966/SNT</b>	13202-4P400	<b>R4747/RARNT</b>
12209-634-670	<b>G11091</b>	13001-00Q0V	<b>CM05-2351</b>	13201-89J00	<b>R6106/SNT</b>	13202-51N00	<b>R4924/RNT</b>
1257613 - 8	<b>G2664</b>	13001-00Q0W	<b>CM05-2351</b>	13201-8H300	<b>R6980/SNT</b>	13202-5379R	<b>R6800/RCR</b>
1271078B10	<b>CM05-2154</b>	130011597R	<b>CM05-2351</b>	132019075R	<b>R6966/SNT</b>	13202-57Y00	<b>R4654/RCR</b>
12711-85E00	<b>CM05-2109</b>	13001-2W201	<b>CM05-2318</b>	13201-99B10	<b>R4651/RNT</b>	13202-57Y60	<b>R4654/RCR</b>
12711-M86J00	<b>CM05-2109</b>	130015174R	<b>CM05-2350</b>	13201-9X700	<b>R4766/SCR</b>	13202-58002	<b>R4591/RCR</b>
12715-M86J00	<b>CM05-2110</b>	13001-DB000	<b>CM05-2319</b>	13201-AA351	<b>R6443/SNT</b>	13202-60J02	<b>R6176/RNT</b>
12832-66G00	<b>R4883/RCR</b>	13001MA70A	<b>CM05-2314</b>	13201-AA420	<b>R6076/SNT</b>	13202-63A00	<b>R4408/RNT</b>
12840-85E00-000	<b>RA06-900</b>	13001-00Q0K	<b>CM05-2321</b>	13201-AA430	<b>R6068/RNT</b>	13202-69T00	<b>R4924/RNT</b>
12840N86J00-000	<b>RA06-900</b>	1300MA71A	<b>CM05-2315</b>	13201-AAQAK	<b>R6185/S</b>	13202-6F900	<b>R4822/RCR</b>
12841-67J01-00	<b>RA06-915</b>	13020-00Q0A	<b>CM05-2321</b>	13201-AD210	<b>R6284/SNT</b>	13202-6N200	<b>R6981/RARNT</b>
12841-73J01-000	<b>RA06-934</b>	13020-00Q0B	<b>CM05-2321</b>	13201-AU300	<b>R6593/SNT</b>	13202-70J10	<b>R4656/RCR</b>
12841-77300	<b>RA06-908</b>	1302000QAC	<b>CM05-2166</b>	13201-AW300	<b>R4973/S</b>	13202-7223R	<b>R6902/BMCR</b>
12850N86J00-000	<b>PI06-0019</b>	130200296R	<b>CM05-2193</b>	13201-B5100	<b>R3843/S</b>	13202-7372R	<b>R6798/BM</b>
12860-78J00-000	<b>PI 06-0054</b>	13020-4KVOA	<b>CM05-2287</b>	13201-BC000	<b>R6538/SNT</b>	13202-7F400	<b>R4924/RNT</b>
12891-67G01-000	<b>PI06-0019</b>	13020-4KVOC	<b>CM05-2288</b>	13201-BM500	<b>R6279/SNT</b>	132028257R	<b>R6967/RNT</b>
12891-79J50-000	<b>PI 03-102</b>	13020-5X00A	<b>CM05-2287</b>	13201-BM505	<b>R6530/SNT</b>	13202-8778R	<b>R6863/RNT</b>
12891-85E00-000	<b>PI06-0019</b>	13020-5X00B	<b>CM05-2288</b>	13201-BN300	<b>R6284/SNT</b>	13202-89J00	<b>R6107/RNT</b>
12910-67JG0	<b>R4973/S</b>	130206522R	<b>CM05-2367</b>	13201-BN700	<b>R6185/S</b>	132029606R	<b>R6967/RNT</b>
12911-51K00	<b>R6611/SNT</b>	13020689R	<b>CM05-2194</b>	13201-BV81A	<b>R8000/SNT</b>	13202-9836R	<b>R6798/BM</b>
12911-54G00	<b>R6212/SNT</b>	13020VB100	<b>CM05-2100</b>	13201-BV81B	<b>R8000/SNT</b>	13202-99B10	<b>R4652/RNT</b>
12911-60A10	<b>R4551/SNT</b>	1317792-8	<b>R4737/RCR</b>	13201D9702	<b>R4356/SCR</b>	13202-9C601	<b>R6067/RCR</b>
12911-66G00	<b>R4883/RCR</b>	1317793-6	<b>R4736/SCR</b>	13201-EB300	<b>R6284/SNT</b>	13202-9F600	<b>R6277/RNT</b>
12911-68L10-000	<b>R6636/SCR</b>	13201 - 9C600	<b>R6066/RCR</b>	13201-EB70A	<b>R6284/SNT</b>	13202-9X700	<b>R4767/RCR</b>
12911-69G00	<b>R6210/SNT</b>	13201-00Q0A	<b>R6574/S</b>	13201-ED000	<b>R6540/SNT</b>	13202-AA361	<b>R6444/RNT</b>
12911-69L00-000	<b>R6722/SNT</b>	13201-00Q0G	<b>R6185/S</b>	13201-ED00A	<b>R6540/SNT</b>	13202-AA430	<b>R6077/RNT</b>
12911-71C00	<b>R6121/SNT</b>	13201-00Q0J	<b>R6797/S</b>	13201-ED00C	<b>R6540/SNT</b>	13202-AA440	<b>R6069/BMARNT</b>
12911-73G00	<b>R6216/SNT</b>	13201-00QAA	<b>R6029/S</b>	13201-EN20A	<b>R6603/SNT</b>	13202-AD200	<b>R6285/RNT</b>
12911-73G01	<b>R6216/SNT</b>	13201-00QAD	<b>R6237/S</b>	13201-F1800	<b>R3845/S</b>	13202-AD20A	<b>R6285/RNT</b>
12911-73J00	<b>R6395/SCR</b>	13201-00QAE	<b>R6138/S</b>	13201-FY500	<b>R6891/SNT</b>	13202-AD210	<b>R6285/RNT</b>
12911-78B00-000	<b>R4894/SNT</b>	13201-00QAG	<b>R4933/S</b>	13201-G2403	<b>R4923/SNT</b>	13202-AU300	<b>R6594/RNT</b>
12911-78E00	<b>R6333/SNT</b>	13201-00QAJ	<b>R6177/S</b>	13201-H1000	<b>R3835/S</b>	13202-AW300	<b>R4974/R</b>
12911-82000	<b>R4549/SNT</b>	13201-00QAN	<b>R6185/S</b>	13201-H2300	<b>R3835/S</b>	13202-B16700	<b>R3844/RCR</b>
12911-84000	<b>R4162/SNT</b>	13201-01B00	<b>R4440/SCR</b>	13201-H9500	<b>R4428/SCR</b>	13202-B3000	<b>R3844/RCR</b>
12911-85E00	<b>R6304/SCR</b>	13201-01M00	<b>R4403/SNT</b>	13201-HG00C	<b>R6755/SCR</b>	13202-B5910	<b>R3840/RCR</b>
12911-85E01	<b>R6304/SCR</b>	13201-01W01	<b>R4890/S</b>	13201-KT04	<b>R6773/SNT</b>	13202-BC000	<b>R6539/RNT</b>
12911-86500	<b>R4742/SNT</b>	13201-0370R	<b>R6797/S</b>	13201-L2000	<b>R4401/SNT</b>	13202-BM500	<b>R6531/RNT</b>
12911-86CA0	<b>R4883/RCR</b>	13201-0Y00	<b>R4746/RARNT</b>	13201-N8501	<b>R4588/SNT</b>	13202-BN300	<b>R6285/RNT</b>
12911-86F50	<b>R6214/SNT</b>	13201-16A00	<b>R4485/SNT</b>	13201-Y5200	<b>R3853/S</b>	13202-BN700	<b>R6186/BM</b>

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
13202-BV81A	R8001/RNT	13231-40L05	PI 06-0027	13715-17010	R6414/RNT	1378473-1	R4734/RCR
13202-C8000	R4591/RCR	13231-AD201	PI 03-114	13715-20020	R6642/RNT	1378474-9	R4735/RCR
13202D9702	R4357/RCR	13231-V7215	PI 06-0028	13715-21010	R6075/RNT	13801-87702	RA06-921
13202-EB300	R6285/RNT	13234-00Q0A	PI06-0019	13715-22030	R6600/RNT	13811-87104	RA06-922
13202-EB70A	R6285/RNT	13257-00Q0A	RA06-940	13715-22040	R6071/RNT	13812-87102	RA06-923
13202-ED000	R6541/RNT	13257-00QAB	RA06-917	13715-23030	R6073/RNT	13813-87102	RA06-924
13202-ED00A	R6541/RNT	1328088-8	R3662/S	13715-24010	R3872/RCR	13814-87102	RA06-925
13202-ED00C	R6541/RNT	1328089-6	R3647/R	13715-24012	R3874/RCR	1389261-7	R3662/S
13202-EN200	R6604/RNT	1328147-2	R3662/S	13715-25011	R4531/RCR	1389262-5	R3647/R
13202-F700	R6431/RNT	1328148-0	R3647/R	13715-27010	R6184/RNT	1397641-0	R4937/SCR
13202-FU400	R6892/RNT	132852824R	RA06-940	13715-28010	R6295/RNT	14540-RBD-E01	PI 06-0058
13202-G2403	R4924/RNT	1336290-0	R4732/SCR	13715-30030	R6317/RNT	14621-RBD-E01	RA06-979
13202-H1000	R3836/RCR	1336291-8	R4733/RCR	13715-30040	R6623/RNT	147111PLZ-D00	R6136/RNT
13202-H7400	R3836/RCR	13501-27011	CM05-2159	13715-31030	R3876/RCR	14711-611000	R3801/RCR
13202-H9500	R4429/RCR	13501-30030	CM05-2304	13715-31070	R3878/RCR	14711-634920	R3799/RCR
13202-HG00D	R6756/BMCR	13502-27011	CM05-2160	13715-33040	R6321/RNT	14711-689000	R4904/SNT
13202-L2000	R4402/RNT	13502-30020	CM05-2305	13715-33041	R6321/RNT	14711-P08000	R6232/SNT
13202-N8500	R4589/RNT	13711-02050	R6125/SNT	13715-35020	R6021/RNT	14711-P13000	R6666/SNT
13202-P5100	R3848/RCR	13711-0J010	R6072/SNT	13715-35030	R6021/RNT	14711-P1JE00	R6232/SNT
13202-V7202	R6511/RARNT	13711-0L010	R6622/SNT	13715-37030	R6561/RNT	14711-P2A000	R6232/SNT
13202-V7203	R6511/RARNT	13711-0R010	R6562/SNT	13715-40040	R6440/RNT	14711-P5TG01	R6119/SNT
13202-Y5200	R3854/RCR	13711-10020	R4664/SNT	13715-47010	R6770/RNT	14711-P75A00	R6098/SNT
13202-Y9701	R4288/RCR	13711-15010	R4518/SNT	13715-54010	R4400/RNT	14711-PB2000	R4902/SNT
13212-01B11	G11123	13711-15050	R4748/SNT	13715-54040	R6414/RNT	14711-PG6000	R4912/SNT
13212-21010	G2709	13711-15090	R6123/SNT	13715-56010	R4666/RNT	14711-PC6000	R4422/SNT
13212-30001	G2704	13711-17010	R6314/SNT	13715-56030	R4668/RNT	14711-PC0000	R4424/SNT
13212-43G01	G3565	13711-20020	R6641/SNT	13715-64010	R4445/RNT	14711-PDAE00	R6403/SNT
13212-53Y60	G3221	13711-21010	R6074/SNT	13715-67020	R6315/RNT	14711-PE0000	R4522/SNT
13212-54T00	G3564	13711-22020	R6599/SNT	13715-67040	R6661/BMCR	14711-PG6000	R4912/SNT
13212-6F900	G3555	13711-22030	R6599/SNT	13715-71010	R6026/RNT	14711-PH3000	R4905/SNT
13212-8P360	G11431	13711-22040	R6070/SNT	13715-74100	R6127/RNT	14711-PM3000	R4900/SNT
13212-9C641	G11434	13711-23030	R6072/SNT	13715-87105	R6225/RNT	14711-PNA-000	R6555/SNT
13212-AA040	G11363	13711-24010	R3871/S	13715-87106	R6225/RNT	14711-PR3000	R6405/SNT
1321-2AA130	G11276	13711-24011	R3873/S	13715-87202	R6638/RNT	14711-PT2000	R4914/SNT
13212-D0110/111	G11138	13711-25011	R4530/SCR	13715-87701	R4677/RNT	14711-PT3A00	R4907/SNT
13212-ED060	G11465	13711-27010	R6183/RNT	13715-87703	R4463/RNT	14711-PWA000	R6591/SNT
13212-H0112	G2706	13711-28010	R6294/SNT	13715-97203	R6227/RNT	14711-R60-U00	R6803/SNT
13213-01B11	G11125	13711-30030	R6316/SNT	13715-97401	R6229/RNT	14711-RB0-000	R6801/SNT
13213-21010	G2710	13711-30040	R6622/SNT	13750-75020	PI 06-0054	14711-RBD-E00	R6557/SNT
13213-30002	G2705	13711-31030	R3875/S	13753-54010	PRV 01-547	14711-RLO-G00	R6741/SNT
13213-3HD64	G11614	13711-31050	R3877/S	13753-54060	PRV 01-549	14711-RNA-000	R6559/SNT
13213-3HD6A	G11614	13711-33030	R6320/SNT	13753-54110	PRV 01-551	14721-611000	R3802/RCR
13213-53Y60	G3222	13711-33031	R6320/SNT	13753-54160	PRV 01-553	14721-634920	R3800/RCR
13213-6F900	G3556	13711-35010	R6020/SNT	13753-54210	PRV 01-555	14721-689660	R4903/RNT
13213-6N260	G11432	13711-35030	R6020/SNT	13753-54260	PRV 01-557	14721-P08000	R6233/BMNT
13213-AA120	G11278	13711-37020	R6560/SNT	13753-54310	PRV 01-559	14721-P13000	R6667/RNT
13213-ED060	G11467	13711-40040	R6439/SNT	13753-54320	PRV 01-561	14721-P1JE00	R6233/BMNT
13213-H0112	G2707	13711-47010	R6769/SNT	13753-54410	PRV 01-563	14721-P2A000	R6233/BMNT
13213-HG00A	G3578	13711-54010	R4399/SNT	13753-54420	PRV 01-548	14721-P2A-000	R6233/BMNT
13213-V5514	G11141	13711-54020	R6314/SNT	13753-54430	PRV 01-550	14721-P5TG01	R6120/RNT
13229-53C00	PRV 01-413	13711-54040	R6660/RNT	13753-54440	PRV 01-552	1472-1P75A00	R6099/BMNT
13229-53C02	PRV 01-414	13711-56010	R4665/SNT	13753-54450	PRV 01-554	14721-PC1000	R4525/RNT
13229-53C05	PRV 01-415	13711-56030	R4667/SNT	13753-54460	PRV 01-556	1472-1PC6000	R4423/RNT
13229-53Y00	PRV 01-416	13711-64010	R4444/SNT	13753-54470	PRV 01-558	14721-PC0000	R4425/RNT
13229-53Y03	PRV 01-417	13711-71010	R6025/SNT	13753-54480	PRV 01-560	14721-PDAE00	R6404/RNT
13229-53Y05	PRV 01-418	13711-74101	R6126/SNT	13753-54490	PRV 01-562	14721-PE0000	R4523/RNT
13229-53Y08	PRV 01-419	13711-87103	R6224/SNT	13753-74010	PRV 01-377	14721-PG6000	R4913/RNT
13229-53Y10	PRV 01-420	13711-87104	R6224/SNT	13753-74030	PRV 01-378	14721-PH3000	R4906/RNT
13229-53Y13	PRV 01-421	13711-87202	R6637/SNT	13753-74050	PRV 01-379	14721-PH7000	R6234/RNT
13229-53Y15	PRV 01-422	13711-87701	R4676/SNT	13753-74070	PRV 01-380	14721-PLZ-D00	R6137/RNT
13229-53Y18	PRV 01-423	13711-87704	R4462/SNT	13753-74090	PRV 01-381	14721-PM3000	R4901/RNT
13229-53Y20	PRV 01-424	13711-97205	R6226/SNT	13753-74110	PRV 01-382	14721-PNA-000	R6556/RNT
13229-53Y23	PRV 01-425	13711-97401	R6228/SNT	13753-74130	PRV 01-383	14721-PR3000	R6406/RNT
13229-53Y60	PRV 01-426	13711-0D020	R6070/SNT	13753-74150	PRV 01-384	14721-PT2000	R4915/RNT
13229-53Y63	PRV 01-427	13712-10010	R4660/SNT	13753-74170	PRV 01-385	14721-PT3A00	R4908/RNT
13229-53Y65	PRV 01-428	13714-54040	R6414/RNT	13753-74190	PRV 01-386	14721-PWA000	R6592/RNT
13229-53Y68	PRV 01-429	13715-0D020	R6071/RNT	13753-74210	PRV 01-387	14721-RB0-000	R6802/RNT
13229-53Y70	PRV 01-430	13715-0J010	R6073/RNT	13753-74230	PRV 01-388	14721-RBD-E00	R6558/RNT
13229-53Y73	PRV 01-431	13715-0R010	R6563/RNT	13753-74250	PRV 01-389	14721-RLO-G50	R6742/RNT
13229-53Y75	PRV 01-432	13715-10030	R4661/RNT	13753-74270	PRV 01-390	1556604-5	G11207
13229-53Y78	PRV 01-433	13715-15010	R4519/RNT	13753-74290	PRV 01-391	1556607-8	G11205
13230-AA110	PI 06-0020	13715-15030	R4749/RNT	13753-74310	PRV 01-392	1E05-12111	R4790/SCR
13231-00QAA	PI 06-0013	13715-16060	R6124/RNT	13753-74330	PRV 01-393	1E05-12121	R4791/RCR

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O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
1M21 6500 AA	<b>PI06-0019</b>	22211-42850	<b>R4537/SNT</b>	24200-4A200	<b>CM05-2299</b>	318.1420.0	<b>MI5110/S</b>
1N4885	<b>R4345/RCR</b>	22211-42860	<b>R6795/SNT</b>	24200-4A400	<b>CM05-2299</b>	318.1420.0/10	<b>MI5142/S</b>
1P2629	<b>R4346/RCR</b>	22211-4A000	<b>R6466/SNT</b>	24200-4A500	<b>CM05-2299</b>	318.1421.0	<b>MI5111/R</b>
1P407	<b>R4345/RCR</b>	22211-4A061	<b>R6466/SNT</b>	24222B	<b>G2609</b>	3267437-6	<b>R3649/R</b>
1S4G6507BA	<b>R6413/SCR</b>	22212-02200	<b>R6569/RNT</b>	24223A	<b>G2610</b>	3277693-2	<b>R3648/S</b>
1S4G6507BB	<b>R6413/SCR</b>	22212-02500	<b>R6170/RNT</b>	24531-4X100	<b>RA06-973</b>	3277813-6	<b>R3966/R</b>
1S4G6507CA	<b>R6195/SCR</b>	22212-03200	<b>R6573/RNT</b>	245390-0	<b>R3559/S</b>	3287419-0	<b>R4223/SCR</b>
1S4G6507CB	<b>R6195/SCR</b>	22212-03201	<b>R6573/RNT</b>	245802-4	<b>R4638/RCR</b>	3287966-0	<b>R4164/S</b>
1S6G6505BA	<b>R6196/RCR</b>	22212-04000	<b>R6814/RNT</b>	24610-03000	<b>PI06-0019</b>	3287967-8	<b>R4165/R</b>
1S7G6505CE	<b>R6371/RNT</b>	22212-22011	<b>R6251/R</b>	24610-22020	<b>PI 06-0020</b>	3316A031	<b>G2533</b>
1S7G6505DF	<b>R6342/RNT</b>	22212-23000	<b>R6408/RNT</b>	24610-22600	<b>PI 06-0020</b>	3318A012	<b>G11395</b>
1S7G6507CE	<b>R6370/SNT</b>	22212-23600	<b>R6586/RNT</b>	262.9652.05	<b>MI5047/S</b>	3318A705	<b>G11394</b>
1S7G6507DG	<b>R6341/SNT</b>	22212-25002	<b>R6812/RNT</b>	262.9685.25	<b>MI5048/R</b>	3342278-3	<b>R4221/S</b>
1W1822	<b>R4969/BMAR</b>	22212-26000	<b>R6242/RNT</b>	272 050 03 80	<b>PI 06-0060</b>	3343738-5	<b>R4222/RCR</b>
1W3859	<b>R4096/RCR</b>	22212-26600	<b>R6242/RNT</b>	272 050 06 27	<b>R6951/BMARCR</b>	3343J021	<b>G2538</b>
1W3860	<b>R4097/RCR</b>	22212-27000	<b>R6240/RNT</b>	272 050 08 27	<b>R6951/BMARCR</b>	3344841-6	<b>R4723/S</b>
1W8606	<b>R4968/BMAR</b>	22212-27001	<b>R6240/RNT</b>	272 050 16 27	<b>R6951/BMARCR</b>	3344842-4	<b>R4724/RCR</b>
2 247 722	<b>PI06-0019</b>	22212-29000	<b>R3988/RCR</b>	276-4845-26	<b>G2482</b>	351K50420	<b>R3465/SCR</b>
2 249 817	<b>PI06-0019</b>	22212-2A100	<b>R6571/RNT</b>	276-4845-27	<b>G2484</b>	3547247-1	<b>R4314/RCR</b>
201/50871	<b>R3617/S</b>	22212-2B000	<b>R6567/RNT</b>	285-4845-48	<b>G2492</b>	3M5Q6000AB	<b>PI 06-0050</b>
201/50891	<b>R3618/XB</b>	22212-2F000	<b>R6810/RNT</b>	285-4845-49	<b>G2490</b>	3M5Q-6500-AB	<b>PI 06-0039</b>
201/80240	<b>R4320/XB</b>	22212-2F010	<b>R6810/RNT</b>	291-4845-46	<b>G2496</b>	3M5Q-6500BA	<b>PI06-0019</b>
201/80250	<b>R4319/S</b>	22212-33000	<b>R6249/RNT</b>	291-4845-47	<b>G2494</b>	3M5Q6546BB	<b>RA06-915</b>
20380025A	<b>G3126</b>	22212-37200	<b>R6410/RNT</b>	2M6402	<b>R4345/RCR</b>	3M5Q6564AA	<b>RA06-934</b>
2112-1007010	<b>R6468/SNT</b>	22212-42520	<b>R6103/BMNT</b>	2M6403	<b>R4346/RCR</b>	3M5Q-6564-BA	<b>RA06-915</b>
2112-1007012	<b>R6469/RNT</b>	22212-42850	<b>R4538/RNT</b>	2P1262	<b>G2698</b>	3M5Q-6564-BB	<b>RA06-915</b>
213 3730	<b>R4556/RCR</b>	22212-42860	<b>R6796/RNT</b>	2S6Q 6500 AA	<b>PI06-0019</b>	3M5Q6A270AC	<b>CM05-2146</b>
214 8102	<b>G11063</b>	22212-4A000	<b>R6467/RNT</b>	2S6Q 6500 AB	<b>PI06-0019</b>	3M5Q-6A270-BB	<b>CM05-2176</b>
214 8103	<b>G11066</b>	22212-4A061	<b>R6467/RNT</b>	2S6Q6250AD	<b>CM05-2144</b>	3M5Q6A273AC	<b>CM05-2145</b>
214 8105	<b>G11065</b>	22231-26010	<b>PI 06-0057</b>	2S6Q-6564-AA	<b>RA06-914</b>	3M5Q-6A273-BB	<b>CM05-2175</b>
214 8106	<b>G11068</b>	22231-26011	<b>PI 06-0057</b>	2S7Q6505A1A	<b>R6146/BMCR</b>	401-4845-086	<b>G11104</b>
214 8907	<b>R4492/RCR</b>	22231-27000	<b>PI 06-0051</b>	2S7Q6505A1B	<b>R6146/BMCR</b>	414 6225	<b>R4491/SCR</b>
22114-02500	<b>G11324</b>	22231-27900	<b>PI 06-0051</b>	2S7Q6505A2A	<b>R6146/BMCR</b>	414 6226	<b>R4491/SCR</b>
22114-04000	<b>G11324</b>	22231-2A000	<b>PI06-0019</b>	2S7Q6505AC	<b>R6146/BMCR</b>	414 7322	<b>G11404</b>
22114-22905	<b>G11418</b>	22231-37110	<b>PI 06-0057</b>	2W2620	<b>R4343/R</b>	414 7327	<b>G11403</b>
22114-23000	<b>G11422</b>	22231-4A000	<b>PI06-0019</b>	2W2621	<b>R3937/S</b>	415 3629	<b>R3351/RCR</b>
22114-23501	<b>G11420</b>	222314-A001	<b>PI06-0019</b>	2W2622	<b>R4096/RCR</b>	415 3631	<b>R3351/RCR</b>
22114-25000	<b>GS11619</b>	223 2528	<b>G2818</b>	2W3211	<b>R4969/BMAR</b>	415 3696	<b>R3352/RCR</b>
22114-26000	<b>GS11461</b>	223 3020	<b>G2821</b>	3040361R1	<b>R3663/S</b>	415 3697	<b>R3352/RCR</b>
22114-27000	<b>G11424</b>	240 2585	<b>R4491/SCR</b>	3043826R1	<b>R3664/S</b>	415 3773	<b>R3351/RCR</b>
22114-2A000	<b>G11477</b>	241 1287	<b>G2158</b>	3044492R1	<b>G2721</b>	415 9136	<b>R4708/BMCR</b>
22114-2B000	<b>G11478</b>	241 1288	<b>G2159</b>	3044493R1	<b>G2722</b>	415 9137	<b>R4709/BMCR</b>
22114-42000	<b>G11327</b>	241 2165	<b>R4492/RCR</b>	3055022R1	<b>G3199</b>	415 9138	<b>R4708/BMCR</b>
22114-42520	<b>G3217</b>	24100-26601	<b>CM05-2343</b>	3055055R2	<b>R3513/S</b>	415 9139	<b>R4709/BMCR</b>
22114-4A000	<b>G11490</b>	24100-26750	<b>CM05-2343</b>	3055056R2	<b>R3514/BM</b>	415 9140	<b>R6031/BMCR</b>
22115-22905	<b>G11419</b>	24100-27400	<b>CM05-2191</b>	3100519-2	<b>R3394/R</b>	417 0898	<b>R6187/SCR</b>
22115-23501	<b>G11421</b>	24100-27401	<b>CM05-2191</b>	3102891 - 3	<b>G3065</b>	417 0899	<b>R6188/RCR</b>
22115-26000	<b>GS11462</b>	24100-27402	<b>CM05-2191</b>	3104401-9	<b>R3589/S</b>	418 5461	<b>R6032/BMCR</b>
22115-37100	<b>G11423</b>	24100-27500	<b>CM05-2301</b>	311 109 601	<b>R1417/S</b>	418 5463	<b>R6247/SCR</b>
22115-42000	<b>G11328</b>	24100-2A101	<b>CM05-2302</b>	311 109 612	<b>R3006/RCR</b>	418 5770	<b>R6033/SCR</b>
22115-42520	<b>G3218</b>	24100-2B110	<b>CM05-2344</b>	311 109 612A	<b>R3006/RCR</b>	419292-8	<b>R4571/RCR</b>
22115-4A000	<b>G11491</b>	24100-4A000	<b>CM05-2300</b>	311.1420.0	<b>MI5112/S</b>	419368-6	<b>R4570/SCR</b>
2212-42220	<b>R6957/RNT</b>	24100-4A100	<b>CM05-2300</b>	311.1421.0	<b>MI5113/XB</b>	419639-0	<b>R4034/SCR</b>
22211-02200	<b>R6568/SNT</b>	24122-4A200	<b>CM05-2300</b>	3122-23010	<b>G2748</b>	419640-8	<b>R3940/RCR</b>
22211-02500	<b>R6169/SNT</b>	24170 2A100	<b>RA06-957</b>	3142A031	<b>R3718/RCR</b>	419735-6	<b>R3940/RCR</b>
22211-03200	<b>R6572/SNT</b>	24170-27001	<b>RA06-936</b>	3142A051	<b>R4925/RCR</b>	419766-1	<b>R3939/SCR</b>
22211-03201	<b>R6572/SNT</b>	24170-2A000	<b>RA06-957</b>	3142A052	<b>R4248/RCR</b>	420 8095	<b>R6141/SCR</b>
22211-04000	<b>R6813/SNT</b>	24170-2A100	<b>RA06-957</b>	3142A081	<b>R4246/R</b>	420 8096	<b>R6142/RCR</b>
22211-22003	<b>R6250/SNT</b>	24170-2F000	<b>RA06-985</b>	3142A091	<b>R6358/RCR</b>	420553-0	<b>R4564/SCR</b>
22211-23000	<b>R6407/SNT</b>	24170-4A001	<b>RA06-967</b>	3142A101	<b>R6360/RCR</b>	421016-7	<b>R3279/SCR</b>
22211-23600	<b>R6585/SNT</b>	24170-4A002	<b>RA06-967</b>	3142A151	<b>R6876/RCR</b>	421017-5	<b>R3280/RCR</b>
22211-26600	<b>R6241/SNT</b>	24170-4A-002	<b>RA06-967</b>	3142D031	<b>R6307/RCR</b>	421208-0	<b>R3280/RCR</b>
22211-27000/01	<b>R6239/SNT</b>	24170-4A010	<b>RA06-967</b>	3142D041	<b>R6306/RCR</b>	422 0142	<b>R6223/BMCR</b>
22211-29000	<b>R4243/SCR</b>	24170-4A-010	<b>RA06-967</b>	3142D061	<b>R6456/RCR</b>	422 0143	<b>R6222/BMCR</b>
22211-2A100	<b>R6570/SNT</b>	24180-27000	<b>RA06-937</b>	3142H002	<b>R4247/NCR</b>	422 6412	<b>R6223/BMCR</b>
22211-2B000	<b>R6566/SNT</b>	24180-4A000	<b>RA06-968</b>	3142H007	<b>R6357/RCR</b>	422 6413	<b>R6222/BMCR</b>
22211-2B400	<b>R6566/SNT</b>	24180-4A001	<b>RA06-968</b>	3142H011	<b>R6359/SCR</b>	422016-6	<b>R3607/SCR</b>
22211-2F000	<b>R6809/SNT</b>	24180-A4010	<b>RA06-968</b>	3142H041	<b>R6455/RCR</b>	422017-4	<b>R3608/RCR</b>
22211-2G000	<b>R6811/SNT</b>	24200-26004	<b>CM05-2342</b>	3142H042	<b>R6357/RCR</b>	423 0567	<b>R4708/BMCR</b>
22211-33000	<b>R6248/SNT</b>	24200-26704	<b>CM05-2342</b>	3142H071	<b>R6875/SNT</b>	423 1804	<b>R6324/BMCR</b>
22211-37201	<b>R6409/SNT</b>	24200-2A101	<b>CM05-2303</b>	3142L051	<b>R4988/SCR</b>	423 4952	<b>R6335/SCR</b>
22211-42220	<b>R6956/SNT</b>	24200-2B010	<b>CM05-2345</b>	3142L071	<b>R4928/RCR</b>	423016-5	<b>R3737/SCR</b>
22211-42520	<b>R6102/BMNT</b>	24200-4A000	<b>CM05-2299</b>	3142L072	<b>R4989/RCR</b>	423017-3	<b>R3738/RCR</b>

## CROSS REFERENCE GUIDE

O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number	O.E. number	Freccia number
424 0712	R6032/BMCR	5-11721-016-0	G3563	735F6507AAA	R3545/RCR	84FM6K514BKA	PRV 01-131
424 0713	R6382/SCR	5175396AA	R6473/SCR	77BM6505AC	R3524/RCR	84FM6K514BLA	PRV 01-132
424 0714	R6247/SCR	5175397AA	R6474/RCR	77BM6505BC	R3575/RCR	84HM6505FA	R4468/BMCR
427 2209	R6187/SCR	5457480K	R3363/S	785F6505AAA	R3657/RCR	84HM6505GA	R4469/BMCR
428 0049	R6376/BMCR	5457481W	R3364/RCR	785F6507AAA	R3656/RCR	85HM6505AA	R4276/RCR
428 0350	R6377/BMCR	5468599U	R3621/S	78EM6505AA	R3443/RCR	85HM6507FA	R4275/SCR
428 0404	R6521/BMCR	5468600E	R3622/RCR	78EM6507AA	R3442/N	86K943	R3498/N
428 3376	R6546/SCR	5478734G	R3517/SCR	79HM6507EA	R4466/SCR	86K944	R3499/RCR
428 3377	R6547/BMCR	55.2151.7	MI5045/N	79HM6507FA	R4467/SCR	86SM6505AD	R4274/RCR
428 3380	R6526/SCR	55.2152.8	MI5046/R	7E4609	R6040/BMAR	86SM6507AA	R4273/SCR
428 3381	R6527/BMCR	550-610-301	G3174	7E7830	R4346/RCR	88WM6505DA	R4443/BMCR
44 09 839	PI 06-0013	5640 581	RA06-942	7M7358E	R3178/S	88WM6505EA	R4443/BMCR
44 31 246	PI06-0019	5S6449	R3935/R	7M7359E	R3179/R	88WM6507BA	R4442/SCR
45.2151.13	MI5041/N	5S6452	R3934/S	7M7817	R3941/R	8-90570967-0	PI 06-0010
45.2152.14	MI5042/S	5S7232	R3936/R	7N0572	R4343/R	8-94133-275-1	R6236/RNT
463395-4	R4313/SCR	6 8001 577AA	PI 06-0045	7N0573	R4344/R	8-94206762-0	G2804
463526-4	R4314/RCR	6 8001 578AA	PI 06-0042	7N2051	G3158	8-94206763-0	G2805
463546-2	PRV 01-153	6 8001 579AA	PI 06-0043	7N4580	R4097/RCR	8-94547-875-1	R6235/SNT
463547-0	PRV 01-154	6 8001 580AA	PI 06-0044	7S6767	R3938/BMAR	894F6505A1B	R4632/RCR
463548-8	PRV 01-155	605482-568688	G2585	7S8809	R3937/S	894F6507A1B	R4631/RCR
463549-6	PRV 01-156	605483-568689	G2586	7W2699	R4951/BMAR	8-97010-727-0	PI 06-0020
463550-4	PRV 01-157	605759 - 568686	G2583	7W8064	R4953/BM	897385841B	R6645/SNT
463551-2	PRV 01-158	605760 - 568687	G2584	80BM6507AC	R3523/NCR	89BM6505CA	R4703/RCR
463552-0	PRV 01-159	60810675-4	PI 06-0014	80BM6507BC	R3574/NCR	89BM6507AA	R4702/SCR
463553-8	PRV 01-160	61583970E	R3665/SCR	80BM6507DC	R3525/NCR	89BM6507BA	R4704/SCR
463554-6	PRV 01-161	61583972E	R3666/BMCR	80BM6507EC	R3576/NCR	89FF6500AA	PI 03-112
463555-3	PRV 01-162	636113E	CM05-2325	8173-23-090	G3216	89FF6505AA	R4376/BMARCR
463556-1	PRV 01-163	640 522	PI06-0019	81FM6251KB	CM05-2153	89FF6505BA	R4855/BMCR
463557-9	PRV 01-164	660 050 0133	RA06-941	81SM6505AE	R4272/RCR	89FF6505FA	R4376/BMARCR
463558-7	PRV 01-165	665 050 0025	PI06-0019	81SM6505AF	R3923/RCR	89FF6507AA	R4375/BMARCR
463559-5	PRV 01-166	66505-01025	PI06-0019	81SM6505AG	R3616/RCR	89FF6507BA	R4854/BMCR
463560-0	PRV 01-167	68001582AA	R6372/S	81SM6505BF	R3926/RCR	89FF6507FA/FB	R4375/BMARCR
463561-1	PRV 01-168	68001583AA	R6373/BM	81SM6505BG	R3929/RCR	8H1993	R3506/S
463562-9	PRV 01-169	6C1G6507AA	R6370/SNT	81SM6505CF	R3927/RCR	8H1994	R3507/R
463563-7	PRV 01-170	6C1Q6A273BB	CM05-2172	81SM6505CG	R3930/RCR	8H7097	R3942/R
463564-5	PRV 01-171	6C1Q-6K551-BA	RA06-990	81SM6507KE	R4271/SCR	8N0875	R3936/R
463565-2	PRV 01-172	6G9Q6407AB	R6595/SCR	81SM6507KF	R3615/SCR	8N3723	R3942/R
463566-0	PRV 01-173	6G9Q6500AA	PI 06-0055	81SM6507NF	R3924/RCR	8N3725	R4346/RCR
463567-8	PRV 01-174	6G9Q-6500-AA	PI 06-0055	81SM6507RF	R3925/SCR	9 676 718 180	R6595/SCR
463568-6	PRV 01-175	6G9Q6505AA	R6596/BMCR	81SM6510LC	G2882	90-4845-28	G2927
463569-4	PRV 01-176	6G9Q6564BA	RA06-969	822.9652.41	MI5134/S	924F6250AA	CM05-2233
463570-2	PRV 01-177	6G9Q6A266AB	CM05-2270	83EM6505AB	R4019/BMCR	928M6505D2A	R4634/BMCR
464 - 04	G2591	6G9Q6A268AC	CM05-2271	83EM6507AA	R3658/S	928M6507C1A	R4788/SCR
464 - 05	G2587	6M346564AA	RA06-974	83EM6507BB	R4018/S	928M6507C2A	R4788/SCR
464 - 07	G2593	6N2236	G2699	84FM6K514ASA	PRV 01-120	928M6507D1A	R4633/SCR
464 - 08	G2589	6N9915	R4343/R	84FM6500B1B	PI 03-112	928M6507E2A	R4996/SCR
464-53	G11358	6N9916	R4344/R	84FM6505AC	R4225/RCR	928M6507F2A	R4998/SCR
464-56	G11357	70-4845-19	G2454	84FM6505BC	R4411/RCR	938M6500 A1D	PI 06-0003
465157-6	G3506	70-4845-21	G2458	84FM6507AC	R4224/SCR	938M6500 A1E	PI 06-0003
46552982(T9)	CM05-2101	70HM6505AF	R3491/RCR	84FM6J514ABA	PRV 01-107	938M6500 A2E	PI 06-0003
465549-4	R4565/RCR	70HM6505BF	R4000/RCR	84FM6K514AAA	PRV 01-106	938M6500 A2F	PI 06-0003
466379-5	R3945/SCR	70HM6505DE	R4051/RCR	84FM6K514ACA	PRV 01-108	938M6500 B2A	PI 06-0003
467502-1	R4032/SCR	70HM6505EE	R4052/RCR	84FM6K514ADA	PRV 01-109	938M6500A1C	PI 06-0003
467855-3	R4332/RCR	70HM6507AE	R3490/N	84FM6K514AEA	PRV 01-110	938M6500A2D	PI 06-0003
468302-5	R3739/SCR	70HM6507BE	R3998/N	84FM6K514AFA	PRV 01-111	93FF6500AA	PI 03-112
468303-3	R3740/RCR	70HM6507DD	R4048/SCR	84FM6K514AGA	PRV 01-112	93FF6505AA	R4376/BMARCR
4693304AA	RA06-977	70HM6507ED	R4049/SCR	84FM6K514AHA	PRV 01-113	94 643 963 80	PI06-0019
471195-8	R4333/RCR	710-4845-072	G2488	84FM6K514AJA	PRV 01-114	948M6505A2A	R4789/RCR
4777879AB	RA06-976	710-4845-073	G2486	84FM6K514AKA	PRV 01-115	948M6505C2A	R4997/RCR
4C1Q6A270BB	CM05-2289	711M6505GA	R3333/RCR	84FM6K514ALA	PRV 01-116	948M6505D2A	R4999/BMCR
4C1Q6A273BB	CM05-2290	711M6505HA	R3573/RCR	84FM6K514AMA	PRV 01-117	955 105 417 20	RA06-946
4N2803	G2783	711M6507GA	R3332/NCR	84FM6K514ANA	PRV 01-118	955 105 423 10	PI 06-0040
4N5633	R4097/RCR	711M6507HA	R3572/NCR	84FM6K514ARA	PRV 01-119	95VV6500BA	PI 06-0001
4N5654	R4096/RCR	711M6507KA	R3494/NCR	84FM6K514ATA	PRV 01-121	96 230 651 80	PI 06-0016
4R8Q6G093-44	RA06-964	711M6507LA	R3613/NCR	84FM6K514BAA	PRV 01-122	96 323 724 80	PI06-0019
4S7Q 6C501 AA	PI06-0019	711M6507MA	R3994/NCR	84FM6K514BBA	PRV 01-123	96 368 484 80	PI06-0019
500-4845-071	G11101	713384R2	R3711/S	84FM6K514BCA	PRV 01-124	96 378 583 80	PI06-0019
500-4845-29	G2679	713385R2	R3712/S	84FM6K514BDA	PRV 01-125	96 462 107 80	PI06-0019
500-4845-30	G2687	715F6505AAC	R3546/RCR	84FM6K514BEA	PRV 01-126	960/022	MI5106/NCR
5066773AA	G11476	715F6510ABA	G2376	84FM6K514BFA	PRV 01-127	960/023	MI5107/R
51.2151.5	MI5043/N	715F6510ACA	G2714	84FM6K514BGA	PRV 01-128	960/026	MI5099/XB
51.2152.10	MI5044/S	723F6505GAA	R3944/R	84FM6K514BHA	PRV 01-129	960/027	MI5098/S
5-11721-001	G3562	723F6507GAA	R3943/S	84FM6K514BJA	PRV 01-130	960/045	MI5124/NCR

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960/046	MI5125/R	A470050627	R6977/BMARC	CAM1235	R4416/S	LF01-12121	R6371/RNT
960/102	MI5101/R	A4710500426	R6974/BMCR	CAM1236	R4417/RCR	LF02-12-121	R6371/RNT
960/103	MI5100/S	A4710500527	R6975/BMCR	CAM7488	R4417/RCR	LG5100510	G11329
960/118	MI5149/S	A4710500926	R6974/BMCR	CAM8311	R4842/SCR	LGH10020	R4846/SCR
960/119	MI5150/R	A4710500927	R6975/BMCR	CAM8775	R4843/RCR	LGH10029	R4816/SNT
960/125	MI5145/S	A4710501326	R6974/BMCR	CDX0634A	R3516/RCR	LGH10041	R3599/RCR
960/126	MI5146/R	A5410500226	R6190/BMCR	CDX0881	R3515/SCR	LGH10049	R4847/RARCR
960/127	MI5148/R	A5410500227	R6191/BMCR	CM5G6505EA	R6820/RCR	LGH10051	R4883/RCR
960/13	MI5119/NCR	A5410530101	R6883/SCR	CM5G6505FA	R6820/RCR	LGH10052	R3988/RCR
960/15	MI5107/R	A6070531200	R6186/BM	CM5G-6505-FA	R6820/RCR	LGH10053	R4243/SCR
960/16	MI5116/NCR	A6070531300	R6185/S	CM5G6507CB	R6819/SNT	LGH10054	R3988/RCR
960/17	MI5121/NCR	A6110500001	CM05-2239	DONN6507J	R3526/S	LGH10064	R6117/SNT
960/18	MI5120/R	A6110500101	CM05-2238	D2726505A	R3818/RCR	LGH10065	R6118/RNT
960/19	MI5118/NCR	A6280530001	R6426/SNT	D6NN6505A	R3527/R	LGH10075	R3988/RCR
960/49	MI5162/S	A6280530005	R6427/RNT	DBP 9272	G3261	LGH100820	R4817/RARNT
960/50	MI5163/RNT	A6540503800	R6969/BMCR	DBP 9273	G3262	LGH100980	R6120/RNT
960/53	MI5158/S	A6540504000	R8044/BMCR	DBP9319	R4522/SNT	LGH100990	R6119/SNT
960/54	MI5159/RNT	A6540530200	R6968/SCR	DPB9320	R4523/RNT	LGH101000	R4847/RARCR
960/55	MI5161/RNT	A6540530300	R8043/SCR	DS7Q6507BA	R6595/SCR	LGH101060	R4846/SCR
960/56	MI5160/S	A9060500326	R6262/BMCR	DX124102N-124-10	G2113	LGH101140	R4847/RARCR
960/57	MI5164/RNT	A9060500327	R6263/BMCR	DX12432 N-124-3	G2110	LGH101310	R6115/SNT
960/58	MI5156/S	A9060500626	R6262/BMCR	E92Z-6C501-B	PI 06-0020	LGH101330	R6116/RNT
960/59	MI5157/RNT	A9060500627	R6263/BMCR	EIADDN6505C	R3040/R	LGH101360	R6118/RNT
96MM6500A1C	PI 03-111	A9060500726	R6262/BMCR	EIADDN6510A	G2374	LGH101450	R6088/BMCR
96MM6500A2C	PI 03-111	A9060500727	R6263/BMCR	ERC9738	R4282/RCR	LGJ10033	G11168
97MM6507A2B	R4992/SCR	A9060530529	G11455	ERC9739	R4281/SCR	LGJ10034	G11166
97MM6507B2B	R4994/SCR	A96352886	CM05-2155	ERR1156	R4940/RARCR	LGJ100510	G11329
98435241EZ	G11100	AEG544	R4072/R	ERR1157	R4939/RCR	LGJ100540	G11172
98474643EZ	G11074	AEU2296L	R3598/RCR	ERR3777	R6423/RCR	LGJ100550	G11173
98MM6505A2A	R4993/RCR	AHU1049	R3661/RCR	ERR6611	R6343/SCR	LGR10002	PI 06-0005
98MM6505B2A	R4995/RCR	AM124-7E	R3365/S	ERR6612	R6344/BMARC	LGR100100	PI 06-0005
98MM6507C28	R6140/SCR	AM124-8D	R3366/R	ERR7233	PI06-0019	LGR100480L	PI06-0019
9L7682	R4303/R	AMK 1568	G2051	ETC4067	R4487/SCR	LR004167	RA06-969
9L7683	R4304/R	AV6Q6250BA	CM05-2256	ETC5739	R4281/SCR	LR004168	PI 06-0055
9M4163	R3179/R	AV6Q6505AA	R6714/RCR	ETC5740	R4282/RCR	LR004375	R6145/SCR
9M5Q6507AA	R6724/SCR	AV6Q6507AA	R6713/SCR	ETC5866	R4488/RCR	LR004429	R6145/SCR
9M5Q6564AA	RA06-961	AYA124-8C	R3368/XB	ETC8003	G11175	LR0054401	R6146/BMCR
9N0180	R4868/S	AYA124-7E	R3367/S	F5RZ6500 BA	PI 06-0003	LR008130	R6943/BMCR
9N0185	R4869/R	B1SM6251KE	CM05-2153	F60112111A	R4647/SNT	LR021913	CM05-2270
9N5125	R4675/BMAR	B3C7-12-121A	R6255/RARNT	F60612121	R4648/RNT	LR021914	CM05-2271
9N6117	R3937/S	B3D2-12-121A	R6255/RARNT	F716201210280	G11597	LR029317	R6146/BMCR
9S516500AA	PI 03-110	B6Z0-10-280	G11211	FDU 1256	G3571	LR032065	R6145/SCR
9S516500AB	PI 03-110	B6Z0-10-290	G11213	FDU 1260	G3572	LXC 000010	RA06-942
9S51-6500-BA	PI06-0019	BDU1399	R4926/SNT	FDU1485	R4844/SNT	LXC 100090	RA06-942
9Y8848	G11267	BDU1400	R4927/RNT	FDU1487	R4845/RNT	MD 198404	R6102/BMNT
A 272 050 06 27	R6951/BMARC	BK2Q6505BA	R6146/BMCR	FS060609	R3988/RCR	MD 198406	R6103/BMNT
A 272 050 08 27	R6951/BMARC	BK2Q6505BB	R6146/BMCR	GK2Q-6505-AC	R6989/RCR	MD000480	R3829/S
A 272 050 16 27	R6951/BMARC	bk2q6507 bb	R6145/SCR	GK2Q-6G093-AA	RA06-998	MD000481	R3830/RCR
A1660500601	CM05-2250	BK2Q6507BB	R6145/SCR	HX7G-6505-AA	R8012/RNT	MD010480	R3827/S
A1660500701	CM05-2251	BK2Q6A270AA	CM05-2258	HX7G-6507-AA	R8011/SNT	MD010481	R3828/RCR
A2640530100	R6880/SCR	BK2Q6A273AB	CM05-2330	JD61428	R6943/BMCR	MD016460	R3833/S
A2640530200	R6999/BMNT	BK2Q-6K551-BC	RA06-991	JD61430	R6942/SCR	MD016461	R3834/RCR
A270 053 0001	R6880/SCR	BP05-12111	R6027/SNT	JDE1582	R6145/SCR	MD050140	CM05-2118
A270 0530 0100	R6881/BMCR	BP05-12121A	R6028/RNT	JDE4667	R6146/BMCR	MD050543	R4406/RNT
A2710511801	CM05-2252	C201-12111	R6464/SNT	JFY1-12-100	PI 06-0020	MD050552	R4405/SNT
A2710512101	CM05-2253	C201-12121	R6465/RNT	K68027469AA	R6817/SCR	MD075287	R6008/BMNT
A2720530501	R6950/SCR	C26195	G2393	K68027470AA	R6818/BMCR	MD075925	R4786/S
A2720530601	R6950/SCR	C26198	G2392	K930-12111	R6421/SNT	MD075928	R4787/RNT
A2760500027	R6924/BMARC	C2S43991	R6595/SCR	K930-12121	R6422/RNT	MD080778	R6009/BMNT
A2780500126	R6923/SCR	C2S52057	R6596/BMCR	K95412111	R6551/SNT	MD083659	R4538/RNT
A3210530905	R3725/RCR	C40112111A	R6413/SCR	KK05047068AA	R6811/SNT	MD083661	R4537/SNT
A3660500127	R3725/RCR	C4011-2121	R6196/RCR	KK05047068AB	R6811/SNT	MD083662	R4538/RNT
A3660500527	R3725/RCR	C401-12-121	R6196/RCR	KK05047069AA	R6812/RNT	MD127840	R4921/SNT
A3660500627	R3725/RCR	C5NE6505A	R3512/R	KK05047069AB	R6812/RNT	MD127841	R4922/RNT
A3760500027	R3725/RCR	C5NE6505B	R3672/R	KMN183950	R6812/RNT	MD137163	CM05-2119
A3760500127	R3725/RCR	C5NE6505C	R3673/R	KMN187696	R6811/SNT	MD153990	RA06-904
A4570500327	R6884/BMCR	C5NE6507A	R3511/S	KO1312121	R6552/RCR	MD159502	R6104/SNT
A4570500527	R6884/BMCR	C5NE6507B	R3670/S	L343FF01	G3138	MD162780	R6272/SNT
A4570530001	R6190/BMCR	C5NE6507C	R3671/S	L3K9-12-111	R6615/SNT	MD162800	R6273/RNT
A4600530001	R6883/SCR	C601-12111	R6195/SCR	L3K9-12121C	R6616/BMARC	MD173602	R6100/SNT
A4700500427	R6977/BMARC	C601-12-111	R6195/SCR	L801-12-111	R6341/SNT	MD180356	R6101/RNT
A4700500626	R6976/BMCR	CA6G-6505-BB	R6820/RCR	L801-12-121C	R6342/RNT	MD197097	R6105/RARNT
A4700500826	R6976/BMCR	CAM 5821	G3138	LF01-12111	R6370/SNT	MD199193	R6105/RARNT



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MD300702	<b>G11261</b>	PY01-12-111	<b>R6962/SNT</b>	WAM4003	<b>R4841/RARNT</b>
MD301193	<b>R6104/SNT</b>	PY01-12-121	<b>R6963/RNT</b>	WL51-12111	<b>R6424/SNT</b>
MD302333	<b>CM05-2119</b>	Q0003067V003000	<b>CM05-2129</b>	WL51-12121A	<b>R6425/RNT</b>
MD306183	<b>R6105/RARNT</b>	R2AA-12-111	<b>R6609/SNT</b>	XM21-6500-AA	<b>PI 06-0032</b>
MD307724	<b>RA06-904</b>	R2AA-12-121	<b>R6610/RNT</b>	XR858318	<b>CM05-2270</b>
MD307725	<b>RA06-905</b>	R2AA-12-130B	<b>RA06-982</b>	XR858319	<b>CM05-2271</b>
MD324966	<b>RA06-904</b>	R502369	<b>R6921/SCR</b>	XS4Q6250AC	<b>CM05-2197</b>
MD324967	<b>RA06-905</b>	R502370	<b>R6922/RCR</b>	XS4Q6507AB	<b>R6143/SCR</b>
MD339752	<b>R6482/SNT</b>	R51735	<b>R4372/RCR</b>	XS7Q6507A1B	<b>R6145/SCR</b>
MD339754	<b>R6483/RNT</b>	R518806	<b>R6921/SCR</b>	XS7Q6507A1C	<b>R6145/SCR</b>
MD342090	<b>R6486/SNT</b>	R52251	<b>R3515/SCR</b>	XS7Q6507A2B	<b>R6145/SCR</b>
MD342091	<b>R6487/RNT</b>	R52252	<b>R3516/RCR</b>	XS7Q6507A2C	<b>R6145/SCR</b>
MD352127	<b>RA06-904</b>	R524875	<b>R6922/RCR</b>	XS7Q-6529-A1C	<b>RA06-931</b>
MD372791	<b>G11216</b>	R536135	<b>R6921/SCR</b>	XS7Q6K528A1C	<b>RA06-932</b>
MD372795	<b>G11219</b>	R79623	<b>R3515/SCR</b>	Y4011-2111	<b>R6149/SCR</b>
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MD377054	<b>PI 06-0018</b>	RE518080	<b>R6921/SCR</b>	Y6011-2111	<b>R6397/SCR</b>
MDO - 00461	<b>G2737</b>	RE518081	<b>R6922/RCR</b>	Y6011-2121	<b>R6398/BMCR</b>
MDO - 00471	<b>G2738</b>	RE557890	<b>R6921/SCR</b>	Y603-12-101	<b>PI06-0019</b>
MDO - 10461	<b>G2735</b>	RE557891	<b>R6922/RCR</b>	YC1Q-6529A-1D	<b>RA06-953</b>
MDO - 10466	<b>G2736</b>	RF01-10-280	<b>G11188</b>	YC1Q-6K528A-1D	<b>RA06-954</b>
MDO - 20551	<b>G3559</b>	RF01-12111	<b>R4390/SNT</b>	YF09-12111	<b>R7043/SARCR</b>
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ME190287	<b>R8042/RCR</b>	RF5C-12111	<b>R6415/SNT</b>	ZY01-12121	<b>R6478/RNT</b>
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ME200051	<b>R4983/RNT</b>	RFJ5-10-290	<b>G11188</b>		
ME200691	<b>CM05-2201</b>	RFY1-10291	<b>G11430</b>		
MJF0112100	<b>PI 06-0020</b>	RTC4116	<b>R3599/RCR</b>		
MN 960088	<b>R6473/SCR</b>	S550-12-111	<b>R6960/SNT</b>		
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OK2NC-12121	<b>R6654/RNT</b>	SU001-00557	<b>RA06-914</b>		
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OK30E-12121	<b>R6420/RNT</b>	T20174T	<b>R3515/SCR</b>		
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OK5511-2111A	<b>R6171/SNT</b>	TAM1059	<b>R4420/S</b>		
OK5511-2121A	<b>R6172/RNT</b>	UAM2063	<b>R4417/RCR</b>		
OK55112130	<b>RA06-973</b>	UAM2372	<b>R4418/RCR</b>		
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P501-12-121	<b>R6959/RNT</b>	V94DD-6505AA	<b>R3599/RCR</b>		
P54G-12-111	<b>R6964/SNT</b>	V94DD-6507AA	<b>R3598/RCR</b>		
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PE01-12-111	<b>R6823/SNT</b>	WAM 4227	<b>G11170</b>		
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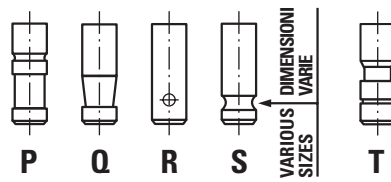
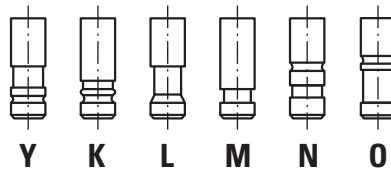
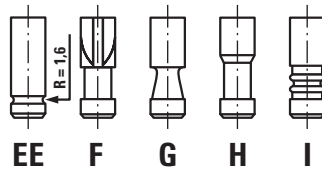
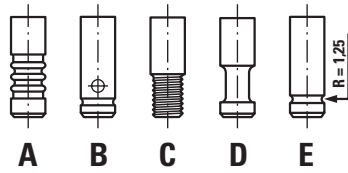
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I riferimenti e le denominazioni originali sono esposti a puro titolo indicativo poiché i suddetti materiali NON SONO ORIGINALI, ma con questi intercambiabili.

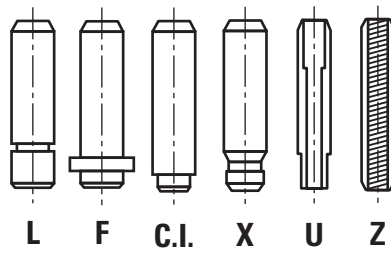
The valves manufactured by us are not original ones but perfectly interchangeable. The original references are shown only for identification.

Tous les noms et numéros des pièces des fabricants des véhicules indiqués dans le catalogue doivent être utilisés uniquement comme références.

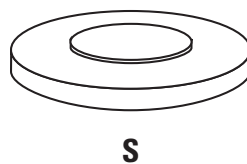
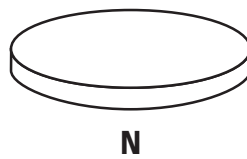
## Shapes of valves



## Shapes of guides



## Shapes of valve shims





ENGINE VALVES  
ENGINE VALVE GUIDES  
CAMSHAFTS  
VALVE SHIMS  
LIFTERS  
ROCKER ARMS  
GASKETS  
LINERS  
PISTONS  
RING SETS  
CRANKSHAFTS  
CONNECTING RODS  
OIL PUMPS  
BEARINGS  
THRUST WASHERS  
WATER PUMPS  
TIMING CHAIN KITS

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