

# DUSS



ROTARY HAMMERS, BREAKERS  
DIAMOND CORE DRILLS

The FRIEDRICH DUSS Maschinenfabrik GmbH & Co. KG specialises in the development, production and sale of rotary hammers, breakers and diamond core drills for professional use. The brand name DUSS is synonymous with products and services of the highest quality standards.

## **TOP QUALITY**

## **MADE IN GERMANY**

As a medium-sized company, operating on an international scale, we support our customers in every possible way, particularly when experience and innovative ideas are needed to ensure cost-effective drilling and chiselling. Our success is built around a dependable team of highly trained, committed personnel.



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## COMPANY HISTORY

### INNOVATION WITH TRADITION

Innovations are part of a long tradition in our company's history, which owes its origins to the enterprise and energy of Friedrich Duss, who founded in 1920 a small workshop in Neublach in the Black Forest, for the production of electrical control panels and DC motors.

From a small family business, a modern industrial undertaking evolved, specialising in rotary hammers, breakers and diamond core drills which, thanks to a spirit of inventiveness and countless patents, has acquired an international reputation. Among its outstanding successes, DUSS can claim a number of technological achievements which, today, are taken for granted by users on building sites.

Thus, at the beginning of the 1950s, DUSS amazed the building trade with the invention of a fully insulated, hand-held drill. At about the same time, a two-speed rotary drill with pistol grip also bore the name of DUSS.

The company was responsible for another milestone at the beginning of the 1960s with the development of an electro-pneumatic combi hammer, which, for the first time, featured an integrated dust extraction, a safety clutch, a drilling/chiselling selector switch and oil mist lubrication - all revolutionary at the time.

Moreover, since then, DUSS has repeatedly astonished the experts in the field with new developments, a long series of which extend all the way to the present day. A few years ago, the company was able to introduce the world's first SDS-max combi hammer in the 4-kilo class.

We look with pride on our DIA 303 W 3-speed diamond core drill, which is admired for its outstanding performance and compact angular design.

While applications may have changed, our original policy still holds good. As always, we give priority to the quest for the optimum in industrial products, made to the highest quality standards. This principle runs like a red thread through the entire company history of DUSS. A living, innovative tradition which we maintain with the utmost conviction and commitment.



Company founder Friedrich Duss

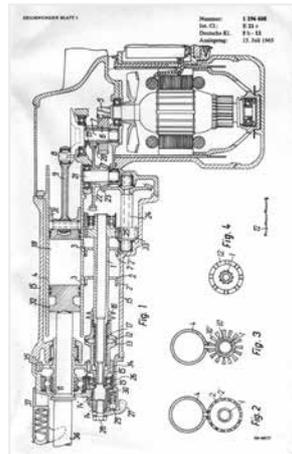
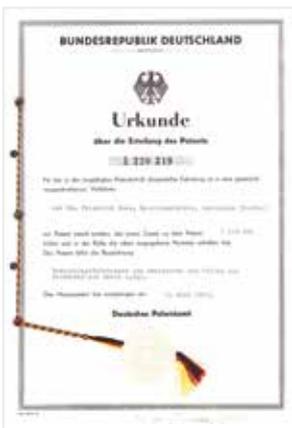


#### With the future in mind

We combine spirit of innovation and sustainability.

As an independent family firm, sustainable success is important to us. Our business management is based on sound long-term strategies, our goal is to ensure continuous improvement and we strive to ensure the responsible use of all kinds of resources.

## COMPANY HISTORY



### 1920

Pioneering spirit born of passion: Friedrich Duss establishes a workshop at Neublach in the Black Forest for the production of electric control panels and DC motors.

### 1926

Introduction of an electric rotary drill at the Industrial Exhibition in Leipzig, Germany.

### 1964

DUSS produces a masterpiece in its P 50 electro-pneumatic combi hammer featuring an integrated dust extraction, safety clutch, oil mist lubrication and drilling/chiselling selector switch for the first time.

### 1968

In the P 28, DUSS introduces the lightest electro-pneumatic combi hammer.

### 1976

Powerful and practical – the PK 40 is DUSS's first, pure breaker.

### 1999

A DUSS original – the PX 46 is the world's lightest combi hammer with SDS-max chuck.

### 2002

Potentially record-breaking! The PK 160 and PK 300 demolition hammers achieve levels of performance comparable with compressor powered models.

### 2003

All-embracing technology – DUSS offers a complete range of diamond core drills for wet and dry use.

### 2008

The DIA 303 W is the world's first compact, angled diamond core drill with a 3-speed gearbox.

### 2009

RVA (Recoil Vibration Absorber): the combi hammers and breakers with the novel vibration damping offer superior performance and significantly reduced vibrations.

### 2014

Demolition at its best: the PK 600 demolition hammer sets new standards with an impressive performance.

## PRODUCT ADVANTAGES

### CONVINCING DETAILS

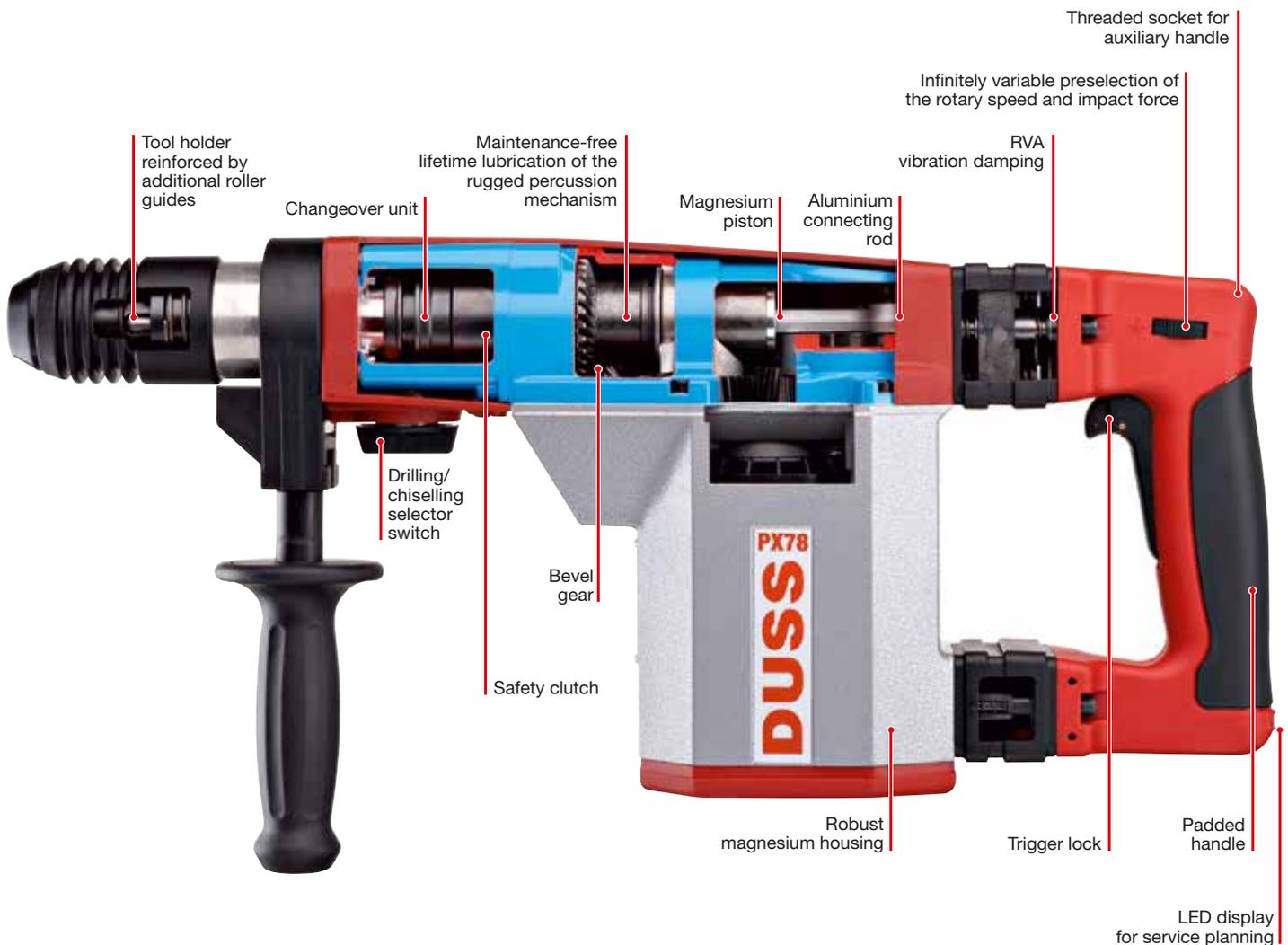
Whether rotary hammer, combi hammer, breaker or diamond core drill, all our products comply with the highest standards of quality in every detail.

We know what we are talking about. Our machines and tool components are predominantly made in our own factory, while the depth of our production facilities enables us to meet even unusual customers' requirements in the minimum of time.

All DUSS machines embody two important properties, namely **prolonged service life, thanks to uncompromising quality, and superior performance as a consequence of innovative technology.**

Our machines are easy and convenient to use. A sealed lubrication system assures the user of freedom from maintenance, while a precision electronic control system permits the selection of the optimum, infinitely variable rotary speed and/or impact force.

The trigger lock is a particularly practical feature for continuous use. Damping elements and padded grips provide protection against vibration and permit non-fatiguing work. Also take a look at the robust gearing. Every DUSS machine is good for years and years of reliable service.



## MACHINES AND TECHNICAL DATA IN BRIEF

# AT A GLANCE

### ROTARY DRILLS AND ROTARY HAMMERS

Product	Machine weight (kg)	Drilling dia. in steel (mm) 1st/2nd gear	Drilling dia. in wood (mm) 1st/2nd gear	Drilling dia. core bit (mm) 1st/2nd gear	Page
B 13 B drill driver	2.8	-/8	-/20	-/-	12
B 13/2 RLE 2-speed rotary drill	1.9	16/8	40/20	-/-	13
SB 13/2 RLE 2-speed impact drill	2.0	16/8	40/20	66/-	14
D 38 RLE 4-speed rotary drill	8.6	32/-	130/-	600*/-	16
Product	Machine weight (kg)	Chuck	Drilling dia. drill bit (mm)	Drilling dia. core bit (mm)	Page
P 16 SDS rotary hammer	2.7	SDS-plus	5 - 24	-	18
P 26 SDS rotary hammer	3.6	SDS-plus	5 - 30	40 - 82	19

\* In polypropylene with LS core cutter

### COMBI HAMMERS

Product guide						24/25
Product	Machine weight (kg)	Chuck	Drilling dia. drill bit (mm)	Drilling dia. core bit (mm)	Chiselling performance* (kg/h)	Page
P 26 C	3.9	SDS-plus	5 - 30	40 - 82	approx. 50	26
P 30	4.5	13 mm hexagon	5 - 35	45 - 82	approx. 80	27
P 60 A	7.2	19 mm hexagon	8 - 55	55 - 100	approx. 105	30
P 90	8.0	19 mm hexagon	8 - 80	55 - 125	approx. 160	31
PX 48 A	5.5	SDS-max	8 - 55	45 - 90	approx. 125	34
PX 76	6.7	SDS-max	12 - 80	45 - 150	approx. 150	35
PX 78	7.6	SDS-max	12 - 80	45 - 150	approx. 200	36
PX 96	8.6	SDS-max	12 - 80	45 - 150	approx. 220	37

\* In hard C45/55 concrete with pointed chisel

### AT A GLANCE

#### BREAKERS AND DEMOLITION HAMMERS

Product guide					42/43
Product	Machine weight (kg)	Chuck	Chiselling	Chiselling performance* (kg/h)	Page
PK 2 breaker	3.6	SDS-plus	•	approx. 55	44
PKX 4 A breaker	5.4	SDS-max	•	approx. 135	46
PKX 7 breaker	7.3	SDS-max	•	approx. 280	47
PK 35 breaker	3.7	16 mm hexagon	•	approx. 90	48
PK 45 breaker	4.5	16 mm hexagon	•	approx. 100	49
PK 45 A breaker	4.9	16 mm hexagon	•	approx. 100	49
PK 75 breaker	6.2	16 mm hexagon	•	approx. 260	50
PK 75 A breaker	6.6	16 mm hexagon	•	approx. 280	50
PK 160 A demolition hammer	9.8	22 mm hexagon	•	approx. 475	52
PK 300 A demolition hammer	13.6	22 mm hexagon	•	approx. 730	53
PK 600 demolition hammer	17.4	22 mm hexagon	•	approx. 1220	54

\* In hard C45/55 concrete with pointed chisel

#### DIAMOND CORE DRILLS, DRY DRILLING

Product guide					58/59
Product	Machine weight (kg)	Chuck	Drilling dia. (mm) dry	Speed (rpm)	Page
DIA 80	5.1	Quick release system / M16	68, 72, 82	650 - 1100	60
DIA 200	5.0	G 1/2"	82 - 250	380 - 490	62
DIA 300	5.0	G 1/2"	127 - 300	230 - 320	62
DIA 303	6.2	G 1/2"	52 - 300	360/680/1270	63

## MACHINES AND TECHNICAL DATA IN BRIEF

### DIAMOND CORE DRILLS, WET AND DRY DRILLING

Product guide						64/65
Product	Machine weight (kg)	Chuck	Drilling dia. (mm) wet	Drilling dia. (mm) dry	Speed (rpm)	Page
DIA 52 W*	6.1	Quick release system	8 - 42	-	3000 - 4000	66
DIA 100 W	6.1	G 1/2"	32 - 102	52 - 112	900 - 1200	68
DIA 150 W	6.1	G 1/2"	52 - 162	82 - 212	480 - 630	68
DIA 300 W	6.1	G 1/2"	112 - 300	127 - 300	260 - 350	68
DIA 203 W	6.4	G 1/2"	12 - 137	52 - 202	690/1290/2420	69
DIA 303 W	6.4	G 1/2"	32 - 300	52 - 300	360/680/1270	70
DIA 400 W*	12.0	1 1/4" UNC	67 - 400	-	230/480/720	80

\* The DIA 52 W and DIA 400 W are only suitable for wet drilling

### EXTRACTION SYSTEMS · CORE CUTTERS · DRILL STANDS

Product	Applications	Page
ASG suction cups	Dust-free dry drilling and clean diamond core drilling	84
MASH · MASP dust extractors	Dust-free chiselling and demolition work	85
ASF suction hood	Dust-free dry diamond core drilling	86
ISC · ISPS industrial vacuum cleaners	Wet and dry vacuum cleaning	87
LC hole saw	Drilling in plastic materials, wood and wood composites	88
LS core cutters	Drilling in plastic materials	90
LB wood core cutters	Drilling in wood and wood composites	91
BST drill stands	Right-angled and centric drilling	94
LI HSS Co8 bimetal hole saws	Universal use in all relevant materials	96
LH carbide tipped hole saws	Universal use in all relevant materials	97
AN hole saw arbors	Suitable for all conventional bimetal and carbide tipped hole saws	98
LD · LDM · LDF diamond core bits and routers	Dry drilling in tiles and ceramics	100



## ROTARY HAMMERS · BREAKERS

# ADVANCED ENGINEERING BUILT TO LAST

Specialists who spend many hours a day working with rotary hammers and breakers cannot afford to compromise on quality. They need machines which are powerful, proven and can be relied upon one hundred per cent. DUSS understands what it is that professionals need, and ensures that all these requirements flow into every product development. The outcome: high-performance, premium-quality and reliable tools which do an outstanding job day in day out under the toughest conditions.

### Weight-to-performance ratio

Experienced specialists know that when drilling anchor holes, sinking sockets, drilling, chiselling, slotting and precise finish processing, particularly when working on scaffolding or ladders, high-powered performance coupled with low machine weight are key.

Machines “made by DUSS” are characterized by an exceptionally favourable weight-to-performance ratio, balanced weight distribution and convenient handling.



### Safety clutch

Our low-wear safety clutch, with gentle starting torque (an unique feature), protects the user from injury and the motor from being overloaded.



### Ergonomic handle arrangement

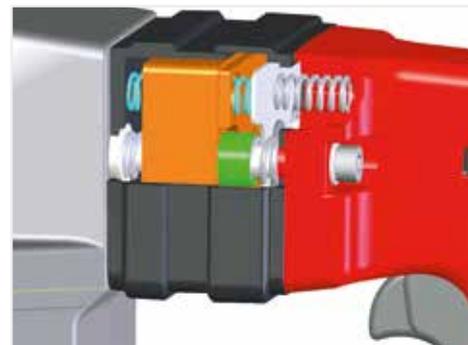
For vertical jobs, an auxiliary handle can be simply screwed in, permitting drilling and chiselling downwards for an optimum ergonomic working position without straining your back. Ergonomy equals economy, as less strain allows you to go on working for longer.



Main handle and auxiliary handle are perfectly positioned – for maximum convenience and productivity

### RVA (Recoil Vibration Absorber)

The RVA vibration damping reduces the vibration loads affecting the user to a minimum – ensuring comfortable continuous use at high operation comfort. An active oscillating mass directly counteracts the recoils and effectively absorbs the vibration occurring. The two-stage decoupled handle guarantees the highest possible vibration damping – also, when using the auxiliary handle.



### B 13 B



#### B 13 B applications

- Installing screws, also large screws
- Small and large drill holes (1st/2nd gear)
- Working with hole saws and Forstner bits
- Removing screws
- Mixing and stirring viscous substances
- Applications, requiring high torque (Drilling into stainless steel panels, threading with low torque, etc.)

#### B 13 B features

- Very high torque in 1st gear (120 Nm)
- High speed in 2nd gear
- Speed infinitely adjustable with pushbutton switch
- Clockwise/anticlockwise selector switch
- Direct torque control (DTC) protects the mechanical components of the drill driver from being overloaded
- High-strength magnesium gear housing
- Robust, heavy-duty drill spindle mounting
- 3-level reduced 2-speed gear
- Robust large dimensioned side handle, pivotable about 360°, with a gummed surface for a safe grip
- High quality keyless chuck for a rapid and easy tool change



#### Order-No. B 13 B

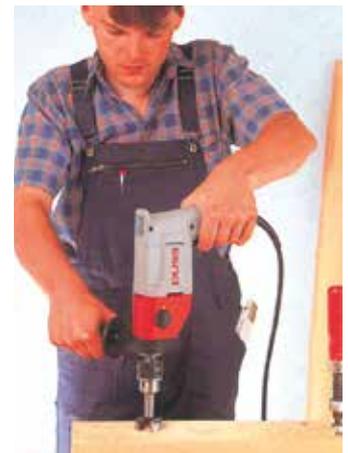
Standard specification: Duss B 13 B drill driver, keyless chuck with locking screw, side handle.



TECHNICAL DATA		B 13 B
Rated power		760 W
Screwing in softwood, without pilot drilling, max.		11 x 400 mm
Set torque (1st gear)		120 Nm
Machine weight		2.8 kg
Drill spindle thread		1/2" - 20 UNF
Spindle collar dia.		43 mm
Chuck clamping range		dia. 1.5 - 13 mm
Drilling dia. in	<b>1st gear</b>	<b>2nd gear</b>
softwood with Forstner bit	51 - 80 mm	up to 50 mm
Rated speed	0 - 170 rpm	0 - 1320 rpm

## 2-SPEED ROTARY DRILL

### B 13/2 RLE



#### B 13/2 RLE applications

- Small and large drill holes (1st/2nd gear)
- Installing screws, also large screws
- Mixing and stirring viscous substances
- Working with hole saws
- Removing paint and rust with a brush
- Polishing

#### B 13/2 RLE features

- High torque in 1st gear (45 Nm)
- High speed in 2nd gear
- Speed infinitely adjustable with pushbutton switch/adjusting dial
- Clockwise/anticlockwise selector switch
- High-strength magnesium gear housing
- Robust heavy-duty drill spindle mounting
- 3-level reduced 2-speed gear
- High quality keyless chuck for a rapid and easy tool change

TECHNICAL DATA		B 13/2 RLE
Rated power		650 W
Screws up to		dia. 12 mm
Set torque (1st gear)		45 Nm
Machine weight		1.9 kg
Drill spindle thread		1/2" - 20 UNF
Spindle collar dia.		43 mm
Chuck clamping range		dia. 1.5 - 13 mm
Drilling dia. in	<b>1st gear</b>	<b>2nd gear</b>
steel	16 mm	8 mm
softwood	40 mm	20 mm
lightweight materials with hole saw	105 mm	50 mm
Rated speed	0 - 450 rpm	0 - 1550 rpm

#### Order-No. B 13/2 RLE

Standard specification: DUSS B 13/2 RLE 2-speed rotary drill, keyless chuck with locking screw, side handle, depth stop.

## 2-SPEED IMPACT DRILL

### SB 13/2 RLE



#### SB 13/2 RLE applications

- Drilling in masonry and concrete
- Drilling anchor holes
- Small and large drill holes (1st/2nd gear)
- Installing screws, also large screws
- Mixing and stirring viscous substances
- Working with hole saws
- Sinking sockets with core bits
- Removing paint and rust with a brush
- Polishing

#### SB 13/2 RLE features

- Rapid changeover, drilling/percussion drilling
- High torque in 1st gear (45 Nm)
- High speed in 2nd gear
- Speed and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Clockwise/anticlockwise selector switch
- High-strength magnesium gear housing
- Robust heavy-duty drill spindle mounting
- 3-level reduced 2-speed gear
- High quality keyless chuck for a rapid and easy tool change

TECHNICAL DATA		SB 13/2 RLE
Rated power	650 W	
Screws up to	dia. 12 mm	
Set torque (1st gear)	45 Nm	
Machine weight	2.0 kg	
Drill spindle thread	1/2" - 20 UNF	
Spindle collar dia.	43 mm	
Max. impact rate	42000 impacts/min	
Chuck clamping range	dia. 1.5 - 13 mm	
Drilling dia. in	<b>1st gear</b>	<b>2nd gear</b>
steel	16 mm	8 mm
softwood	40 mm	20 mm
stone	20 mm	13 mm
lightweight materials with hole saw	105 mm	50 mm
sand-lime brick and masonry with core bit	66 mm	-
Rated speed	0 - 450 rpm	0 - 1550 rpm

#### Order-No. SB 13/2 RLE

Standard specification: DUSS SB 13/2 RLE 2-speed impact drill, keyless chuck with locking screw, side handle, depth stop.

DRILL DRIVER · ROTARY DRILLS

## ACCESSORIES

### B 13 B · B 13/2 RLE · SB 13/2 RLE



**Socket adapter**  
for keyless chuck, adapter for sockets with 1/2" square  
**Order-No. STA**



**BLS SET auger drill bit**  
5 pieces, drilling dia. 12, 14, 16, 18, 20 mm x 460 mm, in wooden box, 11 mm hexagon  
**Order-No. BLS Set**



**Hole saws – fast and precise cut, bimetal and carbide tipped**  
for installation holes of the highest precision as well as for universal use (further information can be found on page 88 and from page 96 onwards)

### B 13/2 RLE · SB 13/2 RLE



#### KB 43 drill stand

offers outstanding performance and accuracy for precise stand mounted drilling

#### KB 43 applications

- Right-angled drilling
- Stationary use of rotary drills and impact drills, tappers, screw drivers and straight grinders with a spindle collar dia. of 43 mm

#### KB 43 features

- Base plate, thrust head and drill holder manufactured from solid, hammer-finish painted grey cast iron
- Rapid and simple fitting and removal of the drill
- Column, thrust drive and thrust lever manufactured from solid steel
- Finely adjustable feed, adjustable guide wedge and infinitely adjustable depth stop for precise working
- Cross-shaped T-slot to fix a drill vice
- Gutter in base plate to collect coolant and swarf



TECHNICAL DATA	KB 43
Clamping	dia. 43 mm
Stroke	120 mm
Free overhang	140 mm
Distance (adjustable on the column) between drill holder and base plate	0 - 530 mm
Height x Width x Depth	385 x 245 x 325 mm
Weight	14.0 kg

#### Order-No. KB 43

Standard specification: DUSS KB 43 drill stand, SW 17 open-end wrench.

We can also manufacture different versions of the drill stand on request

## 4-SPEED ROTARY DRILL

### D 38 RLE



#### 4 gears and 2000 W

for drilling into steel, wood and plastic materials or as drive motor

**4**  
SPEED

#### D 38 RLE applications

- Steel and metal structures
- Wooden structures
- Drive motor for a wide range of applications

#### D 38 RLE features

- Broad speed range thanks to 4-speed gearbox
- Short and compact overall length (approx. 280 mm)
- Trigger lock for continuous use
- Precision tool holder for exact concentricity and high power transmission
- Powerful, robust 2000 W motor with clockwise/anticlockwise rotation
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial in every gear
- Very high torque in 1st gear (> 250 Nm)
- Maintenance-free 4-speed gearbox with lifetime lubrication
- User-friendly positioning of clockwise/anticlockwise selector switch and speed regulator
- Light alloy housing



TECHNICAL DATA	D 38 RLE
Rated power	2000 W
Drilling range in	
steel with drill bit	up to dia. 32 mm
wood with drill bit	up to dia. 130 mm
polypropylene with LS core cutter	up to dia. 600 mm
Rated speed 1st/2nd/3rd/4th gear	120/210/380/650 rpm
Machine weight	8.6 kg
Spindle collar dia.	70 mm
Tool holder	MT 3 morse taper

#### Order-No. D 38 RLE

Standard specification: DUSS D 38 RLE 4-speed rotary drill, taper drift.

## 4-SPEED ROTARY DRILL

**ACCESSORIES****D 38 RLE****Attachment clutch**

for safe and hand-held drilling, maximum operating torque  
200 Nm, MT 3 morse taper shank, socket holder with 1/2" square  
**Order-No. VSKU**

**Screw handle**

for safe and hand-held application  
**Order-No. D38-SH**

**MT3/MT2 reduction sleeve**

for tools with MT 2 morse taper  
**Order-No. D 324**

**MT3/MT1 reduction sleeve**

for tools with MT 1 morse taper  
**Order-No. D 323**

**MT 3 chuck arbor**

for F 13 three-jaw chuck  
**Order-No. D 322**

**Three-jaw chuck**

clamping range 1 - 13 mm,  
for drills with cylindrical shank,  
screw bits, etc.  
**Order-No. F 13**

## ROTARY HAMMER

### P 16 SDS

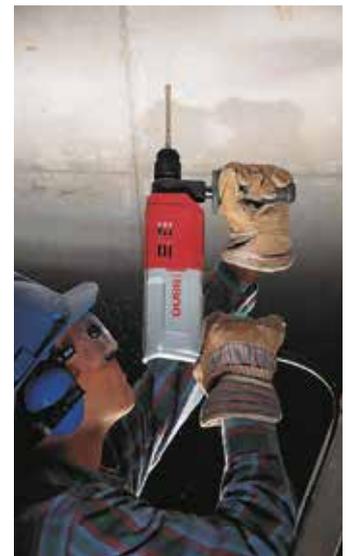


#### P 16 SDS applications

- Drilling anchor holes, also overhead
- Drilling through-holes up to dia. 24 mm for heating pipes, electrical cables, etc.
- Installing and removing screws
- Interior outfitting, metal and wooden structures
- Installing electrical, plumbing and heating systems

#### P 16 SDS features

- User-friendly, thanks to light weight
- Safety clutch with gentle starting torque (protects against injuries, overloading and tool breakages)
- Speed and impact force infinitely adjustable with pushbutton switch for gentle drilling with pinpoint accuracy
- Clockwise/anticlockwise selector switch
- Trigger lock, ensuring non-fatiguing continuous operation, such as drilling rows of holes
- Vibration damped percussion mechanism
- Hammer action off-switch for drilling into wood, steel, tiles, etc.
- Rapid tool change
- Robust construction (outside: fibreglass reinforced polyamide; inside: magnesium housing)



TECHNICAL DATA	P 16 SDS
Rated power	600 W
Drilling range with drill bit	dia. 5 - 24 mm
Drilling range in steel	up to dia. 13 mm
Drilling performance* (dia. 14 mm)	330 mm/min
Single impact energy	0 - 2.2 J
Rated speed	0 - 810 rpm
Impact rate, adjustable	0 - 4400 impacts/min
Machine weight	2.7 kg
Chuck	SDS-plus

\* In hard C45/55 concrete

#### Order-No. P 16 SDS

Standard specification: Duss P 16 SDS rotary hammer, side handle, tube of grease, dust cup, depth stop, carrying case for machine and tools.

## ROTARY HAMMER

### P 26 SDS



#### P 26 SDS applications

- Drilling anchor holes, also overhead
- Drilling through-holes up to dia. 30 mm for heating pipes, electrical cables, etc.
- Sinking sockets in masonry up to dia. 82 mm
- Facade construction, metal and wooden structures
- Installing electrical, plumbing and heating systems

#### P 26 SDS features

- Safety clutch with gentle starting torque (protects against injuries, overloading and tool breakages)
- Speed and impact force infinitely adjustable with pushbutton switch for gentle drilling with pinpoint accuracy
- Trigger lock, ensuring non-fatiguing continuous operation, such as drilling rows of holes
- Vibration damped percussion mechanism
- Vibration damping elements
- Hammer action off-switch for drilling into wood, steel, tiles, etc.
- Rapid tool change
- Robust construction (outside: fibreglass reinforced polyamide; inside: magnesium housing)



#### TECHNICAL DATA

#### P 26 SDS

Rated power	710 W
Drilling range with drill bit	dia. 5 - 30 mm
Drilling range with core bit	dia. 40 - 82 mm
Drilling range in steel	up to dia. 13 mm
Drilling performance* (dia. 20 mm)	240 mm/min
Single impact energy	0 - 3.6 J
Rated speed	0 - 700 rpm
Impact rate, adjustable	0 - 3700 impacts/min
Machine weight	3.6 kg
Chuck	SDS-plus

\* In hard C45/55 concrete

#### Order-No. P 26 SDS

Standard specification: DUSS P 26 SDS rotary hammer, side handle, tube of grease, dust cup, depth stop, carrying case for machine and tools.

## TOOLS · ACCESSORIES

### P 16 SDS · P 26 SDS · P 26 C\*



1 · HP carbide-tipped drill bits				SDS-plus			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
5	50	110	HP 505	10	200	260	HP 1020
5	100	160	HP 510	10	400	460	HP 1040
5,5	50	110	HP 555	11	100	160	HP 1110
6	50	110	HP 605	12	100	160	HP 1210
6	100	160	HP 610	12	150	210	HP 1215
6	150	210	HP 615	12	200	260	HP 1220
7	50	110	HP 705	12	400	460	HP 1240
7	100	160	HP 710	13	200	260	HP 1320
8	100	160	HP 810	14	100	160	HP 1410
8	150	210	HP 815	14	200	260	HP 1420
8	250	310	HP 825	14	400	460	HP 1440
8	400	460	HP 840	15	100	160	HP 1510
9	150	210	HP 915	15	200	260	HP 1520
10	100	160	HP 1010	16	150	210	HP 1615
10	150	210	HP 1015	16	250	310	HP 1625

2 · HDP carbide-tipped double spiral drill bits				SDS-plus			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
16	400	450	HDP 1640	22	400	450	HDP 2240
18	200	250	HDP 1820	24	400	450	HDP 2440
18	400	450	HDP 1840	25**	400	450	HDP 2540
20	200	250	HDP 2020	28**	400	450	HDP 2840
20	400	450	HDP 2040	30**	400	450	HDP 3040

\*\* Only suitable for P 26 SDS and P 26 C



		SDS-plus
		Order-No.
<b>3 · DP SDS chuck adapter</b>	for use with the F 19 keyless chuck for impact-free drilling in wood, steel, etc., overall length 60 mm	DP SDS
<b>4 · F 19 keyless chuck</b>	clamping range 1.5 - 13 mm, for wood and steel drill bits, screwing and mixing tools, hole saws, etc.	F 19
<b>5 · SK 17 dust cup</b>		SK 17

\* P 26 C can be found on page 26

## TOOLS · ACCESSORIES



**SDS-plus hammer drill bit set**  
7 pieces, hammer drill bits with  
drilling dia. 5, 6 mm x 50 mm and  
drilling dia. 6, 2x 8, 10, 12 mm x 100 mm  
**Order-No. SDS 7T**



**ASG 12 suction cup**  
for dust-free dry drilling up to dia. 12 mm  
(further information can be found on page 84)  
**Order-No. ASG 12**



**ASG 68 suction cup**  
for clean drilling up to dia. 68 mm  
(further information can be found on page 84)  
**Order-No. ASG 68**



**Hole saws – fast and precise cut, bimetal and carbide tipped**  
for installation holes of the highest precision as well as for universal use  
(further information can be found on page 88 and from page 96 onwards)

## P 26 SDS · P 26 C\*

⑥



⑦



	Drilling dia. mm	Overall length mm	Order-No.
<b>6 · DPC adapter</b> for CP core bit with integrated pilot drill bit, SDS-plus	-	175	DPC 1
	-	340	DPC 2
	-	440	DPC 3
<b>7 · CP core bit</b>	40	70	CP 40
	50	70	CP 50
	68	70	CP 68
	82	70	CP 82

\* P 26 C can be found on page 26

COMBI HAMMER P 26 C · BREAKER PK 2

## TOOLS · ACCESSORIES

### P 26 C · PK 2\*



	Blade width mm	Overall length mm	SDS-plus Order-No.
8 · SMP pointed chisel	-	250	SMP 1
9 · FMP narrow flat chisel	20	250	FMP 2
10 · BMP spade chisel	40	250	BMP 3
11 · LMP tile chisel	40	250	LMP 4
12 · HMP hollow chisel	22	250	HMP 5



#### MASH 3 dust extraction

for chiselling work (further information can be found on page 85)

Order-No. MASH 3



#### VLMA extension

for use of chisels with overall length of 300 mm to 580 mm

Order-No. VLMA

\* P 26 C can be found on page 26, PK 2 can be found on page 44



# COMBI HAMMERS



TECHNICAL DATA	P 26 C	P 30	P 60 A
Rated power (W)	710	710	1000
Speed and impact force adjustable with S = pushbutton switch, D = adjusting dial	S	S, D	D
Electronic for constant speed control Full load speed = No load speed	-	•	•
Trigger lock for continuous operation	•	•	•
Vibration damping elements between main handle and machine	•	•	•
Drilling range with drill bit (dia. mm)	5 - 30	5 - 35	8 - 55
Drilling range with core bit (dia. mm)	40 - 82	45 - 82	55 - 100
Chiselling performance in hard C45/55 concrete with pointed chisel (kg/h)	approx. 50	approx. 80	approx. 105
Single impact energy (J)	0 - 3.6	0 - 5.7	3.3 - 8.5
Rated speed (rpm)	0 - 700	0 - 390	130 - 250
Impact rate, infinitely adjustable (impacts/min)	0 - 3700	0 - 3000	1670 - 3200
Preselection of speed and impact force	-	•	•
Machine weight (kg)	3.9	4.5	7.2
Chuck	SDS-plus	13 mm hexagon	19 mm hexagon
Page	26	27	30

## COMBI HAMMERS



P 90	PX 48 A	PX 76	PX 78	PX 96
1100	920	1050	1500	1300
D	S, D	D	D	D
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
8 - 80	8 - 55	12 - 80	12 - 80	12 - 80
55 - 125	45 - 90	45 - 150	45 - 150	45 - 150
approx. 160	approx. 125	approx. 150	approx. 200	approx. 220
4.3 - 10.5	0 - 7	3.5 - 8.5	4.5 - 10	4.5 - 11
110 - 200	0 - 480	140 - 280	170 - 310	120 - 260
1650 - 2780	0 - 3700	1500 - 3000	1800 - 3370	1500 - 2700
•	•	•	•	•
8.0	5.5	6.7	7.6	8.6
19 mm hexagon	SDS-max	SDS-max	SDS-max	SDS-max
31	34	35	36	37

## COMBI HAMMER

### P 26 C



#### P 26 C applications

- Drilling anchor holes
- Drilling through-holes up to dia. 30 mm for heating pipes, electrical cables, etc.
- Sinking sockets in masonry up to dia. 82 mm
- Light chiselling work
- Repair work, also overhead
- Precision chiselling work
- Facade construction, metal and wooden structures
- Installing electrical, plumbing and heating systems

#### P 26 C features

- Speed and impact force infinitely adjustable with pushbutton switch for gentle drilling with pinpoint accuracy
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Rapid tool change
- Low-wear safety clutch

TECHNICAL DATA	P 26 C
Rated power	710 W
Drilling range with drill bit	dia. 5 - 30 mm
Drilling range with core bit	dia. 40 - 82 mm
Drilling performance* (dia. 14 mm)	460 mm/min
Drilling performance* (dia. 20 mm)	240 mm/min
Chiselling performance* with pointed chisel	approx. 50 kg/h
Single impact energy	0 - 3.6 J
Rated speed	0 - 700 rpm
Impact rate, adjustable	0 - 3700 impacts/min
Machine weight	3.9 kg
Chuck	SDS-plus

\* In hard C45/55 concrete

#### Order-No. P 26 C

Standard specification: DUSS P 26 C combi hammer, side handle, tube of grease, dust cup, depth stop, carrying case for machine and tools.

## COMBI HAMMER

### P 30



#### P 30 applications

- Drilling anchor holes, fastening cladding panels
- Overhead work and drilling rows of holes
- Sinking sockets
- Chasing grooves and slots
- Removing plaster and tiles
- Cleaning up surfaces
- Precision repair work

#### P 30 features

- Electronic for constant speed control
- Speed and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Rapid tool change
- Low-wear safety clutch

TECHNICAL DATA	P 30
Rated power	710 W
Drilling range with drill bit	dia. 5 - 35 mm
Drilling range with core bit	dia. 45 - 82 mm
Drilling performance* (dia. 22 mm)	180 mm/min
Chiselling performance* with pointed chisel	approx. 80 kg/h
Single impact energy	0 - 5.7 J
Rated speed	0 - 390 rpm
Impact rate, adjustable	0 - 3000 impacts/min
Machine weight	4.5 kg
Chuck	13 mm hexagon

\* In hard C45/55 concrete

#### Order-No. P 30

Standard specification: DUSS P 30 combi hammer, side handle, tube of grease, dust cup, carrying case for machine and tools.

# TOOLS · ACCESSORIES

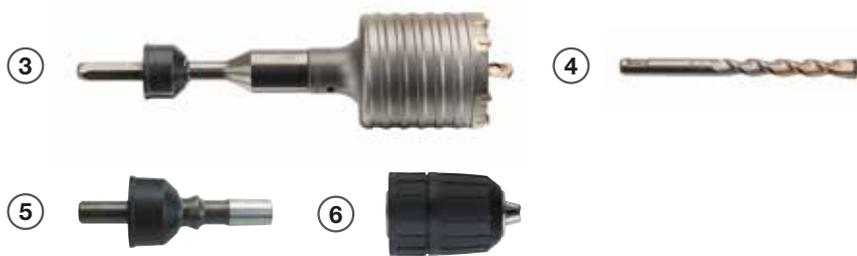
## P 30



1 · H carbide-tipped double spiral drill bit with dust sleeve and guard				13 mm hexagon			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
18	260	350	H 2182	24	150	240	H 2241
18	410	500	H 2184	24	260	350	H 2242
18	600	690	H 2186	24	410	500	H 2244
18	800	890	H 2188	25	260	350	H 2252
20	150	240	H 2201	25	410	500	H 2254
20	260	350	H 2202	25	600	690	H 2256
20	410	500	H 2204	26	150	240	H 2261
22	150	240	H 2221	28	260	350	H 2282
22	260	350	H 2222	28	410	500	H 2284
22	410	500	H 2224	30	260	350	H 2302
22	600	690	H 2226	30	410	500	H 2304
22	800	890	H 2228				

2 · H carbide-tipped double spiral drill bit with piercing point with dust sleeve and guard				13 mm hexagon			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
32	260	350	H 2322	35	410	500	H 2354
32	410	500	H 2324	43	450	540	H 2434
35	260	350	H 2352				



				13 mm hexagon				
				Drilling dia. mm	Working length mm	Overall length mm	Order-No.	
3 · CD core bit with ZX 13 pilot drill bit, with dust sleeve and guard					45	180	300	CD 2401
					45	400	520	CD 2403
					50	180	300	CD 2521
					50	400	520	CD 2523
					68	180	300	CD 2661
					68	400	520	CD 2663
					82	180	300	CD 2801
					82	400	520	CD 2803
4 · ZX 13 pilot drill bit for CD core bit					11	-	135	ZX 13
5 · DF 2 adapter* for F keyless chuck (for impact-free drilling)					-	-	110	DF 2
6 · F keyless chuck clamping range 1.5 - 13 mm, for wood and steel drill bits, screwdriving and mixing tools, hole saws, etc.					-	-	-	F

\* With dust sleeve and guard

## TOOLS · ACCESSORIES



**DU 2 quick release chuck**  
for SDS-plus drill bits (can be found on page 20), HR, HRS and HDR carbide-tipped hammer drill bits, with dust sleeve and guard, overall length 170 mm  
**Order-No. DU 2**



**SK 17 dust cup**  
for drilling with SDS-plus drill bits (can be found on page 20), HR, HRS and HDR carbide-tipped hammer drill bits  
**Order-No. SK 17**



**ASG 12 suction cup**  
for dust-free dry drilling up to dia. 12 mm (further information can be found on page 84)  
**Order-No. ASG 12**



**ASG 68 suction cup**  
for clean drilling up to dia. 68 mm (further information can be found on page 84)  
**Order-No. ASG 68**



13 mm hexagon			
	Blade width mm	Overall length mm	Order-No.
7 · SM pointed chisel*	-	340	SM 21
	-	500	SM 26
8 · FM narrow flat chisel*	20	340	FM 22
	20	500	FM 27
9 · BM wide flat chisel*	40	340	BM 23
	50	340	BM 29
10 · HM hollow chisel*	20	250	HM 24

\* With dust sleeve and guard



**MASH 1 dust extractor**  
for chiselling and demolition work (further information can be found on page 85)  
**Order-No. MASH 1**



**VLMA extension**  
for use of chisels with overall length of 490 mm to 670 mm  
**Order-No. VLMA**

## COMBI HAMMER

### P 60 A



#### P 60 A applications

- Drilling medium-sized holes
- Sinking sockets
- Medium-category chiselling work
- Chasing grooves and slots
- Repair work

#### P 60 A features

- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when drilling and chiselling downwards
- LED display for optimum service planning
- Consistently high engine output thanks to optimised engine cooling
- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



TECHNICAL DATA	P 60 A
Rated power	1000 W
Drilling range with drill bit	dia. 8 - 55 mm
Drilling range with core bit	dia. 55 - 100 mm
Drilling performance* (dia. 30 mm)	130 mm/min
Chiselling performance* with pointed chisel	approx. 105 kg/h
Single impact energy	3.3 - 8.5 Joule
Rated speed	130 - 250 U/min
Impact rate, adjustable	1670 - 3200 impacts/min
Machine weight	7.2 kg
Chuck	19 mm hexagon
Vibration data	drilling/chiselling
Normal setting	8.9/7.3 m/s <sup>2</sup>
Compressor setting	8.2/6.8 m/s <sup>2</sup>

\* In hard C45/55 concrete

#### Order-No. P 60 A

Standard specification: DUSS P 60 A combi hammer, side handle, auxiliary handle, tube of grease, carrying case for machine and tools.

## COMBI HAMMER

### P 90



#### P 90 applications

- Drilling large, deep holes
- Drilling rows of large holes
- Heavy-category chiselling work
- Producing breaches and openings
- Making recesses

#### P 90 features

- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



TECHNICAL DATA	P 90
Rated power	1100 W
Drilling range with drill bit	dia. 8 - 80 mm
Drilling range with core bit	dia. 55 - 125 mm
Drilling performance* (dia. 35 mm)	120 mm/min
Chiselling performance* with pointed chisel	approx. 160 kg/h
Single impact energy	4.3 - 10.5 J
Rated speed	110 - 200 rpm
Impact rate, adjustable	1650 - 2780 impacts/min
Machine weight	8.0 kg
Chuck	19 mm hexagon

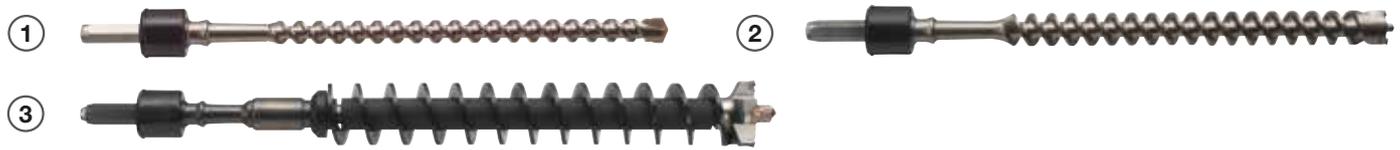
\* In hard C45/55 concrete

#### Order-No. P 90

Standard specification: DUSS P 90 combi hammer, side handle, tube of grease, carrying case for machine and tools.

# TOOLS · ACCESSORIES

## P 60 A · P 90



1 · H carbide-tipped double spiral drill bit with dust sleeve and guard				19 mm hexagon			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
16	200	380	H 3162	25	600	770	H 3256
16	410	570	H 3164	25	900	1020	H 3259
18	200	380	H 3182	25	1200	1360	H 32512
18	410	570	H 3184	27	410	570	H 3274
18	800	980	H 3188	28	260	420	H 3282
19	410	570	H 3194	28	410	570	H 3284
20	260	420	H 3202	30	100	260	H 3301
20	410	570	H 3204	30	260	420	H 3302
22	260	420	H 3222	30	410	570	H 3304
22	410	570	H 3224	30	600	770	H 3306
22	600	770	H 3226	30	900	1020	H 3309
24	260	420	H 3242	30	1200	1360	H 33012
25	260	420	H 3252	32	260	420	H 3322
25	410	570	H 3254	32	410	570	H 3324

2 · H carbide-tipped double spiral drill bit with piercing points with dust sleeve and guard				19 mm hexagon			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
35	260	420	H 3352	40	260	420	H 3402
35	410	570	H 3354	40	410	570	H 3404
35	900	1060	H 3359	40	900	1060	H 3409
35	1200	1360	H 33512				

3 · H carbide-tipped breakthrough drill bit with piercing points with dust sleeve and guard				19 mm hexagon			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
46	500	700	H 3465	55	1200	1400	H 35512
46	900	1100	H 3469	66*	500	700	H 3665
46	1200	1400	H 34612	66*	900	1100	H 3669
55	500	700	H 3555	80*	500	700	H 3805
55	900	1100	H 3559	80*	900	1100	H 3809

\* Only suitable for P 90



### DU 3 quick release chuck

for SDS-plus drill bits (can be found on page 20), HR, HRS and HDR carbide-tipped hammer drill bits, with dust sleeve and guard, overall length 230 mm, only suitable for P 60 A

**Order-No. DU 3**



### SK 17 dust cup

for drilling with SDS-plus drill bits (can be found on page 20), HR, HRS and HDR carbide-tipped hammer drill bits

**Order-No. SK 17**



### ASG 68 suction cup

for clean drilling up to dia. 68 mm (further information can be found on page 84)

**Order-No. ASG 68**

## TOOLS · ACCESSORIES



4 · CD core bit with ZX 13 pilot drill bit, with dust sleeve and guard				19 mm hexagon			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
55	185	345	CD 3521	90	185	345	CD 3901
55	485	645	CD 3525	90	485	645	CD 3905
68	185	345	CD 3661	100	185	345	CD 31041
68	485	645	CD 3665	100	485	645	CD 31045
82	185	345	CD 3801	125*	185	345	CD 31291
82	485	645	CD 3805	125*	485	645	CD 31295
<b>5 · ZX 13 pilot drill bit for CD core bit</b>				11	-	-	ZX 13

\* Only suitable for P 90



19 mm hexagon				
	Blade width mm	Working length mm	Overall length mm	Order-No.
<b>6 · SM pointed chisel*</b>	-	140	340	SM 322
	-	260	420	SM 342
	-	400	560	SM 356
<b>7 · FM narrow flat chisel*</b>	26	140	340	FM 324
	26	260	420	FM 344
	26	400	560	FM 358
<b>8 · BM wide flat chisel*</b>	40	260	420	BM 346
	50	260	420	BM 348
	100	270	430	SP 306
<b>9 · SP spade chisel*</b>	100	270	430	SP 306
<b>10 · HM hollow chisel*</b>	25	-	310	HM 351

\* With dust sleeve and guard



### MASH 2 dust extractor

for chiselling and demolition work (further information can be found on page 85)

Order-No. MASH 2

### VLMA extension

for use of chisels with overall length of 490 mm to 670 mm

Order-No. VLMA

## COMBI HAMMER

### PX 48 A



#### PX 48 A applications

- Drilling anchor holes, fastening cladding panels
- Overhead work and drilling rows of holes
- Sinking sockets
- Removing plaster and tiles
- Cleaning up surfaces
- Chasing grooves and slots
- Precision repair work

#### PX 48 A features

- Outstanding drilling and chiselling performance
- Active vibration damping (RVA), ensuring comfortable continuous use
- Exceptionally light weight and low vibration
- Electronic for constant speed control
- Speed and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



TECHNICAL DATA	PX 48 A
Rated power	920 W
Drilling range with drill bit	dia. 8 - 55 mm
Drilling range with core bit	dia. 45 - 90 mm
Drilling performance* (dia. 25 mm)	270 mm/min
Chiselling performance* with pointed chisel	approx. 125 kg/h
Single impact energy	0 - 7 J
Rated speed	0 - 480 rpm
Impact rate, adjustable	0 - 3700 impacts/min
Machine weight	5.5 kg
Chuck	SDS-max
Vibration data	drilling/chiselling
Normal setting	6.8/5.5 m/s <sup>2</sup>

\* In hard C45/55 concrete

#### Order-No. PX 48 A

Standard specification: DUSS PX 48 A combi hammer, side handle, tube of grease, carrying case for machine and tools.

## COMBI HAMMER

### PX 76



#### PX 76 applications

- Drilling medium-sized holes
- Drilling through-holes
- Sinking sockets
- Medium-category chiselling work
- Chasing grooves and slots
- Repair work

#### PX 76 features

- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



#### TECHNICAL DATA

#### PX 76

Rated power	1050 W
Drilling range with drill bit	dia. 12 - 80 mm
Drilling range with core bit	dia. 45 - 150 mm
Drilling performance* (dia. 35 mm)	120 mm/min
Chiselling performance* with pointed chisel	approx. 150 kg/h
Single impact energy	3.5 - 8.5 J
Rated speed	140 - 280 rpm
Impact rate, adjustable	1500 - 3000 impacts/min
Machine weight	6.7 kg
Chuck	SDS-max

\* In hard C45/55 concrete

#### Order-No. PX 76

Standard specification: Duss PX 76 combi hammer, side handle, tube of grease, carrying case for machine and tools.

## COMBI HAMMER

### PX 78



#### PX 78 applications

- Drilling medium-sized holes
- Drilling through-holes
- Sinking sockets
- Medium-category chiselling work
- Chasing grooves and slots
- Repair work

#### PX 78 features

- Outstanding drilling and chiselling performance
- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when drilling and chiselling downwards
- LED display for optimum service planning
- Consistently high engine output thanks to optimised engine cooling
- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch



TECHNICAL DATA	PX 78
Rated power	1500 W
Drilling range with drill bit	dia. 12 - 80 mm
Drilling range with core bit	dia. 45 - 150 mm
Drilling performance* (dia. 35 mm)	160 mm/min
Chiselling performance* with pointed chisel	approx. 200 kg/h
Single impact energy	4.5 - 10 J
Rated speed	170 - 310 rpm
Impact rate, adjustable	1800 - 3370 impacts/min
Machine weight	7.6 kg
Chuck	SDS-max
Vibration data	drilling/chiselling
Normal setting	9.8/6.8 m/s <sup>2</sup>
Compressor setting	8.2/6.3 m/s <sup>2</sup>

\* In hard C45/55 concrete

#### Order-No. PX 78

Standard specification: Duss PX 78 combi hammer, side handle, auxiliary handle, tube of grease, carrying case for machine and tools.

## COMBI HAMMER

### PX 96



#### PX 96 applications

- Drilling large, deep holes
- Drilling rows of medium-sized holes
- Heavy-category chiselling work
- Producing breaches and openings
- Making recesses

#### PX 96 features

- Electronic for constant speed control
- Speed and impact force infinitely adjustable with adjusting dial
- Rapid changeover from hammer drilling to chiselling and vice versa
- Chisel can be positioned in twenty ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)
- Low-wear safety clutch

TECHNICAL DATA	PX 96
Rated power	1300 W
Drilling range with drill bit	dia. 12 - 80 mm
Drilling range with core bit	dia. 45 - 150 mm
Drilling performance* (dia. 35 mm)	155 mm/min
Chiselling performance* with pointed chisel	approx. 220 kg/h
Single impact energy	4.5 - 11 J
Rated speed	120 - 260 rpm
Impact rate, adjustable	1500 - 2700 impacts/min
Machine weight	8.6 kg
Chuck	SDS-max

\* In hard C45/55 concrete

#### Order-No. PX 96

Standard specification: DUSS PX 96 combi hammer, side handle, tube of grease, carrying case for machine and tools.

# TOOLS · ACCESSORIES

## PX 48 A · PX 76 · PX 78 · PX 96



1 · HX hammer drill bit				SDS-max			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
12	200	340	HX 122	22	400	520	HX 224
12	400	540	HX 124	22	800	920	HX 228
12	600	740	HX 125	24	200	320	HX 242
14	200	340	HX 142	24	400	520	HX 244
14	400	540	HX 144	25	200	320	HX 252
15	200	340	HX 152	25	400	520	HX 254
15	400	540	HX 154	25	800	920	HX 258
16	200	340	HX 162	28	200	320	HX 282
16	400	540	HX 164	28	400	520	HX 284
18	200	340	HX 182	30	200	320	HX 302
18	400	540	HX 184	30	400	520	HX 304
20	200	320	HX 202	32	400	520	HX 324
20	400	520	HX 204	32	800	920	HX 328
20	800	920	HX 208	35	400	520	HX 354
22	200	320	HX 222	40	400	520	HX 404

2 · HX breakthrough drill bit				SDS-max			
Drilling dia. mm	Working length mm	Overall length mm	Order-No.	Drilling dia. mm	Working length mm	Overall length mm	Order-No.
46	500	620	HX 465	66*	500	620	HX 665
46	900	1020	HX 469	66*	900	1020	HX 669
55	500	620	HX 555	80*	500	620	HX 805
55	900	1020	HX 559	80*	900	1020	HX 809

\* Only suitable for PX 76, PX 78 and PX 96



### DX SDS quick release chuck

for SDS-plus drill bits (can be found on page 20), overall length 220 mm, only suitable for PX 48 A

**Order-No. DX SDS**



### ASG 68 suction cup

for clean drilling up to dia. 68 mm (further information can be found on page 84)

**Order-No. ASG 68**

## TOOLS · ACCESSORIES



	Diameter mm	Overall length mm	SDS-max Order-No.
3 · DXC adapter for CX core bit	-	200	DXC 2
	-	460	DXC 4
4 · CX core bit with ZX 13 pilot drill bit	45	80	CX 45
	50	80	CX 50
	55	80	CX 55
	68	80	CX 68
	82	80	CX 82
	90	80	CX 90
	100*	80	CX 100
	125*	80	CX 125
	150*	80	CX 150
5 · ZX 13 pilot drill bit including locking pen	11	135	ZX 13
6 · DXF adapter for F 19 keyless chuck (for impact-free drilling)	-	105	DXF
7 · F 19 keyless chuck clamping capacity 1.5 - 13 mm, for wood and steel drill bits, screwdriving and mixing tools, hole saws, etc.	-	-	F 19

\* Only suitable for PX 76, PX 78 and PX 96



### MASH 2 dust extractor

for chiselling and demolition work (further information can be found on page 85)

**Order-No. MASH 2**



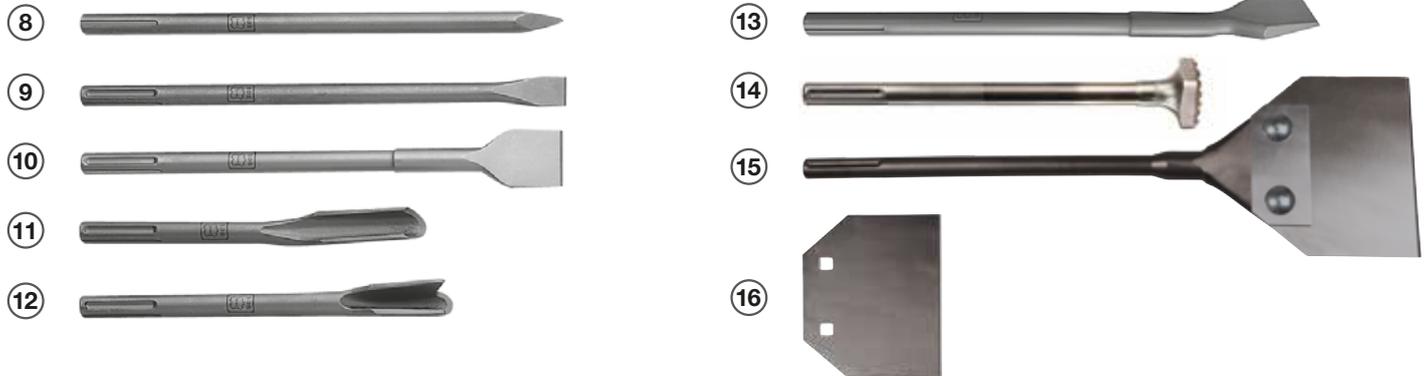
### VLMA extension

for use of chisels with overall length of 490 mm to 670 mm

**Order-No. VLMA**

## TOOLS · ACCESSORIES

### PX 48 A · PX 76 · PX 78 · PX 96 · PKX 4 A · PKX 7



	Blade width mm	Overall length mm	SDS-max Order-No.
8 · SMX pointed chisel	-	280	SMX 2
	-	400	SMX 4
	-	600	SMX 6
9 · FMX narrow flat chisel	25	280	FMX 2
	25	400	FMX 4
	25	600	FMX 6
10 · SPX spade chisel	50	400	SPX 5
	80	300	SPX 8
	110	350	SPX 9
	26	300	HMX 3
11 · HMX hollow chisel	32	300	KMX 4
12 · KMX gouge	50	400	LMX 1
13 · LMX tile chisel	40 x 40	300	STX 7
14 · STX bushing tool	100	420	SCX 1
	150	450	SCX 2
15 · SCX scraper chisel* for removing linoleum, vinyl tiles, coatings, bitumen panels, plaster and adhesive remains	100	-	ERS 1
	150	-	ERS 2

\* Only suitable for PX 48 A and PKX 4 A

### PKX 4 A · PKX 7



#### MASP dust extractor

for chiselling and demolition work  
(further information can be found  
on page 85)

Order-No. MASP



PLUS X AWARD®

2016 achieved for:

Innovation

High Quality

Functionality

Ergonomics

The Plus X Award is the world's largest innovation award for technology, sports and lifestyle and honours manufacturers for their quality advantage.

# BREAKERS AND DEMOLITION HAMMERS



TECHNICAL DATA	PK 2	PKX 4 A	PKX 7	PK 35
Rated power (W)	710	820	1150	680
Impact rate and force adjustable with S = pushbutton switch, D = adjusting dial	S	S, D	D	S
Electronic for constant impact rate control Full load impact rate = No load impact rate	-	•	•	-
Trigger lock for continuous operation	•	•	•	•
Vibration damping elements between main handle and machine	•	•	•	•
Chiselling performance in hard C45/55 concrete with pointed chisel (kg/h)	approx. 55	approx. 135	approx. 280	approx. 90
Single impact energy (J)	0 - 3.6	0 - 8.4	5 - 10.5	0 - 5.3
Impact rate, infinitely adjustable (impacts/min)	0 - 3700	0 - 3200	1500 - 2900	0 - 3400
Machine weight (kg)	3.6	5.4	7.3	3.7
Chuck	SDS-plus	SDS-max	SDS-max	16 mm hexagon
Page	44	46	47	48

## BREAKERS AND DEMOLITION HAMMERS



PK 45 · PK 45 A	PK 75 · PK 75 A	PK 160 A	PK 300 A	PK 600
710	1050 / 1150	1300	1700	2000
S, D	D	D	D	D
•	•	•	•	•
•	•	•	•	•
•	•	•	•	•
approx. 100	approx. 260 / approx. 280	approx. 475	approx. 730	approx. 1220
0 - 6.4	5 - 9.5 / 5 - 10.5	10 - 18	14 - 27	18 - 41
0 - 3000	1500 - 2900	1200 - 2200	1000 - 1900	850 - 1500
4.5 / 4.9	6.2 / 6.6	9.8	13.6	17.4
16 mm hexagon	16 mm hexagon	22 mm hexagon	22 mm hexagon	22 mm hexagon
49	50	52	53	54

## BREAKER

### PK 2



#### PK 2 applications

- Overhead work
- Removing plaster, tiles and mortar residues
- Light and precision chiselling and repair work in concrete, masonry and wood with lightweight tools
- Exposing steel reinforcing bars
- Chasing grooves and slots
- Cleaning up surfaces and renovation works

#### PK 2 features

- Lightest DUSS breaker with high-powered performance
- Convenient handling also at workplaces with difficult access thanks to the compact construction
- Excellent weight/performance ratio for effortless working
- Perfectly harmonised percussion mechanism for highest reliability
- Trigger lock, ensuring non-fatiguing work
- Side handle with a gummed surface and main handle with softgrip for optimal machine control
- Impact rate and impact force infinitely adjustable with pushbutton switch
- Chisel can be positioned in twelve ways
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)



TECHNICAL DATA	PK 2
Rated power	710 W
Chiselling performance* with pointed chisel	approx. 55 kg/h
Single impact energy	0 - 3.6 J
Impact rate, adjustable	0 - 3700 impacts/min
Machine weight	3.6 kg
Chuck	SDS-plus

\* In hard C45/55 concrete

#### Order-No. PK 2

Standard specification: DUSS PK 2 breaker, side handle, tube of grease, carrying case for machine and tools.



## BREAKER

### PKX 4 A



#### PKX 4 A applications

- Removing plaster and tiles
- Chasing grooves and slots
- Chiselling work
- Cleaning up surfaces
- Producing breaches and openings
- Precision repair work

#### PKX 4 A features

- Active vibration damping (RVA), ensuring comfortable continuous use
- Vibration damped D-handle
- Pneumatic impact mechanism designed for optimum efficiency
- Trigger lock, ensuring non-fatiguing work
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)



TECHNICAL DATA	PKX 4 A
Rated power	820 W
Chiselling performance* with pointed chisel	approx. 135 kg/h
Single impact energy	0 - 8.4 J
Impact rate, adjustable	0 - 3200 impacts/min
Machine weight	5.4 kg
Chuck	SDS-max
Vibration data	chiselling
Normal setting	7.3 m/s <sup>2</sup>

\* In hard C45/55 concrete

#### Order-No. PKX 4 A

Standard specification: Duss PKX 4 A breaker, D-handle, tube of grease, carrying case for machine and tools.

## BREAKER

### PKX 7



#### PKX 7 applications

- Removing plaster and tiles
- Chasing grooves and slots
- Chiselling work
- Cleaning up surfaces
- Producing breaches and openings
- Precision repair work

#### PKX 7 features

- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- Vibration damped D-handle
- LED display for optimum service planning
- Consistently high engine output thanks to optimised engine cooling
- Pneumatic impact mechanism designed for optimum efficiency
- Trigger lock, ensuring non-fatiguing work
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Chisel can be positioned in twenty ways
- Maintenance-free (with lifetime lubrication)



TECHNICAL DATA	PKX 7
Rated power	1150 W
Chiselling performance* with pointed chisel	approx. 280 kg/h
Single impact energy	5 - 10.5 J
Impact rate, adjustable	1500 - 2900 impacts/min
Machine weight	7.3 kg
Chuck	SDS-max
Vibration data	chiselling
Normal setting	6.7 m/s <sup>2</sup>
Compressor setting	4.7 m/s <sup>2</sup>

\* In hard C45/55 concrete

#### Order-No. PKX 7

Standard specification: Duss PKX 7 breaker, D-handle, auxiliary handle, tube of grease, carrying case for machine and tools.

## BREAKER

### PK 35



#### PK 35 applications

- Overhead work
- Removing plaster and tiles
- Chasing grooves and slots
- Cleaning up surfaces
- Precision repair work
- Exposing steel reinforcing bars

#### PK 35 features

- Excellent weight/performance ratio
- Trigger lock, ensuring non-fatiguing work
- Impact rate and impact force infinitely adjustable with pushbutton switch
- Robust, 16 mm hexagon chuck for prolonged service life
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)



TECHNICAL DATA	PK 35
Rated power	680 W
Chiselling performance* with pointed chisel	approx. 90 kg/h
Single impact energy	0 - 5.3 J
Impact rate, adjustable	0 - 3400 impacts/min
Machine weight	3.7 kg
Chuck	16 mm hexagon

\* In hard C45/55 concrete

#### Order-No. PK 35

Standard specification: Duss PK 35 breaker, side handle, tube of grease, carrying case for machine and tools.

## BREAKERS

### PK 45 · PK 45 A



#### PK 45 · PK 45 A applications

- Removing plaster and tiles
- Chasing grooves and slots
- Chiselling work
- Cleaning up surfaces
- Producing breaches and openings
- Precision repair work

#### PK 45 · PK 45 A features

- Pneumatic impact mechanism designed for optimum efficiency
- Trigger lock, ensuring non-fatiguing work
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with pushbutton switch/adjusting dial
- Robust, 16 mm hexagon chuck for prolonged service life
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)

#### PK 45 A additional features

- Active vibration damping (RVA), ensuring comfortable continuous use



TECHNICAL DATA	PK 45	PK 45 A
Rated power	710 Watt	710 Watt
Chiselling performance*	approx. 100 kg/h	approx. 100 kg/h
Single impact energy	0 - 6.4 Joule	0 - 6.4 Joule
Impact rate, adjustable	0 - 3000 impacts/min	0 - 3000 impacts/min
Machine weight	4.5 kg	4.9 kg
Chuck	16 mm hexagon	16 mm hexagon
Vibration data PK 45 A		chiselling
Normal setting		6.8 m/s <sup>2</sup>

\* In hard C45/55 concrete with pointed chisel

#### Order-No. PK 45 · PK 45 A

Standard specification: DUSS PK 45 · PK 45 A breaker, side handle, tube of grease, carrying case for machine and tools.

## BREAKERS

### PK 75 · PK 75 A



#### PK 75 · PK 75 A applications

- Removing plaster and tiles
- Chasing grooves and slots
- Chiselling work
- Cleaning up surfaces
- Producing breaches and openings
- Precision repair work

#### PK 75 · PK 75 A features

- Pneumatic impact mechanism designed for optimum efficiency
- Trigger lock, ensuring non-fatiguing work
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Robust, 16 mm hexagon chuck for prolonged service life
- Vibration damping elements
- Maintenance-free (with lifetime lubrication)

#### PK 75 A additional features

- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- LED display for optimum service planning
- Consistently high engine output thanks to optimised engine cooling



TECHNICAL DATA	PK 75	PK 75 A
Rated power	1050 W	1150 W
Chiselling performance*	approx. 260 kg/h	approx. 280 kg/h
Single impact energy	5 - 9.5 Joule	5 - 10.5 Joule
Impact rate, adjustable	1500 - 2900 impacts/min	1500 - 2900 impacts/min
Machine weight	6.2 kg	6.6 kg
Chuck	16 mm hexagon	16 mm hexagon
Vibration data PK 75 A		chiselling
Normal setting		7.1 m/s <sup>2</sup>
Compressor setting		6.8 m/s <sup>2</sup>

\* In hard C45/55 concrete with pointed chisel

#### Order-No. PK 75 · PK 75 A

Standard specification: DUSS PK 75 · PK 75 A breaker, side handle, auxiliary handle (only with PK 75 A), tube of grease, carrying case for machine and tools.

## BREAKERS

## TOOLS · ACCESSORIES

### PK 35 · PK 45 · PK 45 A · PK 75 · PK 75 A



	16 mm hexagon		
	Blade width mm	Overall length mm	Order-No.
1 · SM pointed chisel	-	290	SM 421
	-	400	SM 401
	-	600	SM 402
2 · FM narrow flat chisel	25	290	FM 423
	25	400	FM 403
	25	600	FM 404
3 · BM wide flat chisel	50	240	BM 425
	50	350	BM 405
	75	380	BM 408
4 · BZ wide flat chisel, serrated edge*	50	290	BZ 413
5 · SP spade chisel	100	410	SP 406
6 · SZ spade chisel, serrated edge*	100	290	SZ 414
7 · LM tile chisel	50	270	LM 415
8 · HM hollow chisel	25	290	HM 407
	35	290	HM 408
9 · KM gouge	35	290	KM 410
10 · ST bushing tool	40 x 40	290	ST 411
11 · ES ground rod driver	16 (internal dia.)	250	ES 412
12 · FZ mortar chisel**	36 x 7	230	FZ 423
	36 x 7	300	FZ 430
13 · SC scraper chisel** for removing linoleum, vinyl tiles, coatings, bitumen panels, plaster and adhesive remains	100	420	SC 441
	150	450	SC 442
14 · ERS spare scraper for SC scraper chisel	100	-	ERS 1
	150	-	ERS 2

\* Suitable for working on tiles, plaster and masonry \*\* Only suitable for PK 35, PK 45 and PK 45 A

## DEMOLITION HAMMER

### PK 160 A



#### PK 160 A applications

- Demolition work
- Producing breaches and openings
- Chiselling work
- Cleaning up surfaces

#### PK 160 A features

- Replaces a pneumatic breaker in many cases
- High demolition performance, light weight and balanced weight distribution
- Trigger lock for continuous operation, ensuring non-fatiguing work
- Perfectly harmonised percussion mechanism for precise work and highest reliability
- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- Vibration damped D-handle
- LED display for optimum service planning
- Compact, robust design with aluminium and magnesium housings
- Automatic chuck with integral no-load impact damping
- Dust guard for prolonged service life
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Robust, 22 mm hexagon chuck for extra-long service life
- Maintenance-free (with lifetime lubrication)



TECHNICAL DATA	PK 160 A
Rated power	1300 W
Chiselling performance* with pointed chisel	approx. 475 kg/h
Single impact energy	10 - 18 J
Impact rate, adjustable	1200 - 2200 impacts/min
Machine weight	9.8 kg
Chuck	22 mm hexagon
Vibration data	chiselling
Normal setting	8.7 m/s <sup>2</sup>
Compressor setting	7.7 m/s <sup>2</sup>

\* In hard C45/55 concrete



#### Order-No. PK 160 A

Standard specification: Duss PK 160 A demolition hammer, D-handle, auxiliary handle, tube of grease, carrying case for machine and tools.

## DEMOLITION HAMMER

### PK 300 A



#### PK 300 A applications

- Demolition work
- Producing breaches and openings
- Cleaning up surfaces
- Renovation of floors, breaking up floors and creating large channels in floors

#### PK 300 A features

- Replaces a pneumatic breaker in many cases
- Very high demolition performance, light weight and balanced weight distribution
- Trigger lock for continuous operation, ensuring non-fatiguing work
- Perfectly harmonised percussion mechanism for precise work and highest reliability
- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- Vibration damped D-handle
- LED display for optimum service planning
- Compact, robust design with aluminium and magnesium housings
- Automatic chuck with integral no-load impact damping
- Dust guard for prolonged service life
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Robust, 22 mm hexagon chuck for extra-long service life
- Maintenance-free (with lifetime lubrication)



TECHNICAL DATA	PK 300 A
Rated power	1700 W
Chiselling performance* with pointed chisel	approx. 730 kg/h
Single impact energy	14 - 27 J
Impact rate, adjustable	1000 - 1900 impacts/min
Machine weight	13.6 kg
Chuck	22 mm hexagon
Vibration data	chiselling
Normal setting	9.1 m/s <sup>2</sup>
Compressor setting	9.6 m/s <sup>2</sup>

\* In hard C45/55 concrete



#### Order-No. PK 300 A

Standard specification: Duss PK 300 A demolition hammer, D-handle, auxiliary handle, tube of grease, carrying case for machine and tools.

## DEMOLITION HAMMER

### PK 600



#### PK 600 applications

- Heavy demolition work
- Producing breaches and openings
- Cleaning up surfaces
- Renovation of floors, breaking up floors and creating large channels in floors

#### PK 600 features

- Replaces a pneumatic breaker in many cases
- Extremely high demolition performance, light weight and balanced weight distribution
- Trigger lock for continuous operation, ensuring non-fatiguing work
- Perfectly harmonised percussion mechanism for precise work and highest reliability
- Active vibration damping (RVA), ensuring comfortable continuous use
- Screw-in, vibration damped auxiliary handle for non-fatiguing, back-saving posture when chiselling downwards
- Vibration damped D-handle
- LED display for optimum service planning
- Compact, robust design with aluminium and magnesium housings
- Automatic chuck with integral no-load impact damping
- Dust guard for prolonged service life
- Electronic for constant impact rate control
- Impact rate and impact force infinitely adjustable with adjusting dial
- Robust, 22 mm hexagon chuck for extra-long service life
- Maintenance-free (with lifetime lubrication)
- Carrying case with wheels for simple and comfortable transport



TECHNICAL DATA	PK 600
Rated power	2000 W
Chiselling performance* with pointed chisel	approx. 1220 kg/h
Single impact energy	18 - 41 J
Impact rate, adjustable	850 - 1500 impacts/min
Machine weight	17.4 kg
Chuck	22 mm hexagon
Vibration data	chiselling
Normal setting	14.8 m/s <sup>2</sup>
Compressor setting	9.2 m/s <sup>2</sup>

\* In hard C45/55 concrete



#### Order-No. PK 600

Standard specification: Duss PK 600 demolition hammer, D-handle, auxiliary handle, tube of grease, carrying case with wheels for machine and tools.

## DEMOLITION HAMMERS

### TOOLS · ACCESSORIES

#### PK 160 A · PK 300 A · PK 600



	22 mm hexagon		
	Blade width mm	Overall length mm	Order-No.
<b>1 · SM pointed chisel</b>	-	400	SM 620
	-	500	SM 610
	-	650	SM 611
<b>2 · FM flat chisel</b>	28	400	FM 622
	28	500	FM 612
	28	650	FM 613
<b>3 · BM wide flat chisel</b>	50	500	BM 614
<b>4 · SP spade chisel</b>	120	500	SP 615
<b>5 · DO shank for SA and SR tamping plates</b>	-	480	DO 630
<b>6 · SA tamping plate, square</b>	150 x 150	-	SA 631
<b>7 · SR tamping plate, round</b>	140 (external dia.)	-	SR 632
<b>8 · EE tent stake driver*</b>	60 (internal dia.)	200	EE 633
<b>9 · ES ground rod driver</b>	16 (internal dia.)	185	ES 634

\* Only suitable for PK 600



#### **MASP dust extractor**

for chiselling and demolition work

(further information can be found on page 85)

**Order-No. MASP**

## DIAMOND CORE DRILLS

### PREMIUM CHOICE FOR 100% FLEXIBILITY

The construction industry demands greater flexibility and economy than practically any other sector. This applies to both civil and structural engineering, as well as to interior fittings and to electrical, heating and plumbing installations.

Builders and craftsmen require machines which allow them to respond with the utmost flexibility and speed to different asks and technical circumstances occurring on site. Our diamond core drills provide construction industry professionals with a meticulously designed and engineered system. A range of different diamond core drills and an extensive, carefully considered spectrum of different accessories mean that every conceivable application need is catered for.



Wet drilling in concrete, with BS drill stand



Electrical socket sinking in concrete – wet, hand-held



Clean wet drilling in concrete with DUSS suction cup, hand-held



Dry drilling in masonry with dust extraction, hand-held



Wet drilling in a concrete shaft, hand-held



Wet drilling in a concrete pipe, with BST drill stand



Dry drilling in a plastic pipe, hand-held



Drilling in wood with dust extraction, hand-held

## DIAMOND CORE DRILLS

# INSPIRING TECHNOLOGY

A quality product is more than the sum of its technical data. It has to enthuse and inspire with a range of outstanding features. No matter which DUSS machine – anyone familiar with the performance, quality and efficiency of a DUSS knows what it means to enjoy working with a power tool on a daily basis.

### Convenient handling

Thanks to the low weight, compact angular design and ergonomic handle arrangement, DUSS diamond core drills are ideally suited for manually guided drilling operations, also in confined spaces.



### Anti-lockup system

A robust safety clutch, rotating in an oil bath with gentle starting torque, not only ensures complete safety for hand-held drilling but also protects the mechanical components of the drill.



### Core bits changed in seconds

With the quick release system, core bits can be changed and drill cores removed rapidly and easily.

### Long service life

Our machines are renowned for their long service life, which is the result of their stable dust-proof encapsulated gear, perfect maintenance-free oil bath lubrication, durable drive motor and high torque.



### Electronic overload protection

If the drill becomes overloaded, the motor switches off. After it has been switched on again, work can be resumed immediately.

### Straightforward centring

The integrated soft start permits reliable hole starting. With the use of a DUSS quick centring bit, drilling can be started in seconds, no pilot hole is necessary.

### Precision metering for wet drilling

A practical water metering valve allows a precise preselection and constant control of the needed water amount and controls the flow rate, independently of the stopcock, even while drilling is taking place.



### High performance motor

The powerful, reliable drive motors are designed for the even toughest continuous use. Their electronic for constant speed control ensures the optimum drilling speed no matter what the situation.

# DIAMOND CORE DRILLS FOR DRY DRILLING



TECHNICAL DATA	DIA 80	DIA 200
Rated power (W)	1700	1700
Applications	Installing electrical systems, electrical socket sinking	Plumbing, heating, air conditioning systems
Surfaces	Masonry, brick, sand-lime brick	Masonry, brick, ceramics, sand-lime brick
Speed infinitely adjustable	•	•
Electronic for constant speed control Full load speed = No load speed	•	•
Electronic overload protection	•	•
Anti-lockup system	•	•
Chuck	Quick release system (DIA 80 Set) M16 (DIA 80 M16)	G 1/2"
Pilot drilling	Integrated automatic centring system	Quick centring bit*
Rated speed (rpm)	650 - 1100	380 - 490
Drilling range, hand-held, dry, with dust extraction in masonry (dia. mm)	68, 72, 82	82 - 250
Machine weight (kg)	5.1	5.0
Machine length (cm)	40	40
Page	60	62

\* Accessory (can be found on page 72)

## DIAMOND CORE DRILLS, DRY DRILLING



DIA 300	DIA 303
1700	2000
Building chimneys and fireplaces, furnace construction	Plumbing, heating, air conditioning systems, plastic container construction, wood construction, building chimneys, furnace construction
Masonry, brick, ceramics, sand-lime brick	Wood, plastic materials, masonry, brick, ceramics, sand-lime brick
•	•
•	•
•	•
•	•
G 1/2"	G 1/2"
Quick centring bit*	Quick centring bit*
230 - 320	360/680/1270
127 - 300	52 - 300
5.0	6.2
40	39
62	63

## DIAMOND CORE DRILL, DRY DRILLING

### DIA 80



#### DIA 80 applications

- Installing electrical systems

#### DIA 80 features

- High drilling speed thanks to powerful and reliable drive motor with constant electronic speed control for optimum cutting speed in any situation
- Automatic centring permits electrical socket sinking without interruption (pictured bottom right)
- Prolonged core bit service life and dust-free working through effective dust extraction with steplessly positionable suction hose
- Very simple removal of drill cores (pictured bottom left)\*
- Quick release system permits tool changes in seconds\*
- Reliable safety clutch with anti-lockup system protects the user from injury, the motor from being overloaded and tools from being broken
- Speed infinitely adjustable with adjusting dial
- Electronic overload protection and soft start
- Convenient handling thanks to compact angular design, light weight and optimum weight distribution
- Use of drill bits, screwdriving and mixing tools, hole saws, etc. with optional keyless chuck\*

\* Only suitable for DIA 80 Set



TECHNICAL DATA	DIA 80
Rated power	1700 W
Rated speed	650 - 1100 rpm
Drilling range, hand-held, dry	dia. 68, 72, 82 mm
Machine weight	5.1 kg
Chuck	Quick release system (DIA 80 Set) M16 external (DIA 80 M16)

**Order-No. DIA 80 Set** Standard specification: DUSS DIA 80 diamond core drill **with DUSS quick release system**, side handle, DS 82 diamond socket cutter, automatic centring system, SK 61 suction head, carrying case.

**Order-No. DIA 80 M16** Standard specification: DUSS DIA 80 diamond core drill **with M16 external thread**, side handle, automatic centring system, SK 76 suction head, 2x SW 24 open-end wrench, carrying case.

## DIAMOND CORE DRILL, DRY DRILLING

### TOOLS · ACCESSORIES

#### DIA 80 Set



For highly compacted sand-lime brick, masonry, perforated brick and lightweight building materials		Quick release system	
	Drilling dia. mm	Working length	Order-No.
<b>1 · Diamond socket cutter</b>	68	70	DS 68
	72	65	DS 72
	82	70	DS 82
<b>2 · Diamond socket cutter with PCD tips</b> up to 7 times higher drilling speed	82	90	DS 8290
	68	70	DZ 68S
<b>3 · Diamond socket cutter</b> with 12 mm premium turbo segments for prolonged service life	82	70	DZ 82S
	82	70	DSA 82



**Keyless chuck**  
clamping range 1.5 - 13 mm,  
for wood and steel drill bits, screwing  
and mixing tools, hole saws, etc.  
**Order No. F 19**

**Chuck adapter**  
for F 19 keyless chuck and other chucks  
with 1/2" - 20 UNF thread  
**Order-No. DSF**

**Adapter**  
for diamond socket cutter with M16  
internal thread  
**Order-No. DSA M16**

#### DIA 80 M16



For highly compacted sand-lime brick, masonry, perforated brick and lightweight building materials		M16 internal	
	Drilling dia. mm	Working length mm	Order-No.
<b>4 · Diamond socket cutter</b> with suction slots*, up to 30 % higher drilling speed	82	70	DSM 82
<b>5 · Diamond socket cutter</b> with suction slots*	82	70	DGN 82
	82	90	DGN 8290
<b>6 · Diamond socket cutter</b> with side slots	82	70	DGS 82
	82	90	DGS 8290

\* for drillings with dust extraction

## DIAMOND CORE DRILLS, DRY DRILLING

### DIA 200 · DIA 300



#### DIA 200 · DIA 300 applications

- Installing plumbing, heating and air conditioning systems
- Building chimneys, fireplaces and furnaces
- Installing fitted kitchens and bathrooms

#### DIA 200 · DIA 300 features

- Easy and simple to use
- Hand-held, dust-free drilling
- Compact and particularly light
- Rapid centring
- Quick release system for rapid core bit change and drill core removal
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Convenient drilling supported by suction effect
- Electronic overload protection and soft start
- Safety clutch with anti-lockup system



TECHNICAL DATA	DIA 200	DIA 300
Rated power	1700 W	1700 W
Rated speed	380 - 490 rpm	230 - 320 rpm
Drilling range, hand-held, dry	dia. 82 - 250 mm	dia. 127 - 300 mm
Machine weight	5.0 kg	5.0 kg
Chuck	G 1/2"	G 1/2"

#### Order-No. DIA 200 · DIA 300

Standard specification: DUSS DIA 200 · DIA 300 diamond core drill, side handle, ZST centring rod, SK 61 suction head, SW 22 and SW 30 open-end wrenches, carrying case.

## DIAMOND CORE DRILL, DRY DRILLING

### DIA 303



#### DIA 303 applications

##### Wood

- Stand mounted or hand-held drilling into massive wood and panels, e.g. OSB and particle boards
- Drilling with wood drill bits, auger bits and formwork drill bits
- Counter bores with big counter sinking tools and Forstner bits

##### Plastic materials

- Stand mounted or hand-held drilling in plastic, e.g. sewer pipes and plastic containers made of PVC, PE, PP and GRP

##### Masonry and chimney pipes

- Dry diamond core drilling in masonry, e.g. poroton, aerated concrete and sand-lime brick
- Drilling in chimney pipes and ceramic flue liners

#### DIA 303 features

- Enormous drilling range, hand-held, dia. 40 - 322 mm
- Screw-in auxiliary handle for non-fatiguing, back-saving posture when drilling downwards
- LED display for performance monitoring and service planning
- Time-saving positioning with quick centring bit
- Quick release system for rapid core bit change and core cutter change
- Safety clutch with anti-lockup system
- Ultra-efficient dust extraction during dry drilling and during drilling with wood core cutter
- Rapid changeover from hand-held to stand mounted drilling
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Electronic overload protection and soft start

#### Order-No. DIA 303

Standard specification: Duss DIA 303 diamond core drill, side handle, auxiliary handle, ZST centring rod, SK 61 suction head, SW 22 and SW 30 open-end wrenches, dry lubricant spray, carrying case.

**3**  
SPEED



TECHNICAL DATA	DIA 303
Rated power	2000 W
Rated speed 1st/2nd/3rd gear	360/680/1270 rpm
Drilling range with	
diamond core bit, hand-held, dry	dia. 52 - 300 mm
LS core cutter in plastic, hand-held	dia. 40 - 322 mm
LS core cutter in plastic, with BS drill stand	dia. 40 - 202 mm
LS core cutter in plastic, with BST drill stand	dia. 40 - 257 mm
LB wood core cutter, hand-held	dia. 42 - 322 mm
LB wood core cutter, with BS drill stand	dia. 42 - 202 mm
LB wood core cutter, with BST drill stand	dia. 42 - 182 mm
Machine weight	6.2 kg
Chuck	G 1/2"

# DIAMOND CORE DRILLS FOR WET AND DRY DRILLING



TECHNICAL DATA	DIA 52 W*	DIA 100 W · DIA 150 W · DIA 300 W
Rated power (W)	2000	1800
Applications	Pinpoint accuracy for plumbing, heating, air conditioning systems, fastening wall claddings, stonemasonry work, constructing balconies and staircases	Electrical installation, plumbing, heating, air conditioning systems, civil and structural engineering, connecting holes in sewer pipes
Surfaces	Reinforced concrete, marble, natural stone, tiles	Reinforced concrete, masonry
Speed infinitely adjustable	•	•
Electronic for constant speed control Full load speed = No load speed	•	•
Electronic overload protection	•	•
Anti-lockup system	•	•
Chuck	Quick release system	G 1/2"
Pilot drilling	Positioning aid including water collecting ring**	Quick centring bit***
Preselection of water flow rate	•	•
Water-saving precision metering	•	•
Rated speed (rpm)	3000 - 4000	900 - 1200 / 480 - 630 / 260 - 350
Drilling range, hand-held, wet (dia. mm)	8 - 42	32 - 102 / 52 - 162 / 112 - 202
Drilling range, stand mounted, wet (dia. mm)	8 - 42	32 - 102 / 52 - 162 / 112 - 202
Drilling range, connecting holes in concrete pipes, hand-held, wet (dia. mm)	-	- / up to 202 / up to 300
Drilling range, hand-held, dry, with dust extraction (dia. mm)	-	52 - 112 / 82 - 212 / 127 - 300
Machine weight (kg)	6.1	6.1
Machine length (cm)	43	40
Page	66	68

\* The DIA 52 W and DIA 400 W are only suitable for wet drilling \*\* Accessory (can be found on page 67) \*\*\* Accessory (can be found on page 72)

## DIAMOND CORE DRILLS, WET AND DRY DRILLING



DIA 203 W	DIA 303 W	DIA 400 W*
2000	2000	3200
Plumbing, heating, air conditioning systems, stonemasonry work, constructing balconies and staircases, gardening and landscaping	Plumbing, heating, air conditioning systems, civil and structural engineering, connecting holes in sewer pipes	Civil and structural engineering, making breaches, penetrations for ducts, pipes and cables, drilling rows of holes
Reinforced concrete, granite, marble, natural stone, masonry	Reinforced concrete, masonry, wood, plastic materials	Reinforced concrete, masonry
•	•	-
•	•	•
•	•	•
•	•	•
G 1/2"	G 1/2"	1 1/4" UNC
Quick centring bit***	Quick centring bit***	-
•	•	•
•	•	-
690/1290/2420	360/680/1270	230/480/720
12 - 137	32 - 202	-
12 - 137	32 - 202	67 - 400
-	up to 300	-
52 - 202	52 - 300	-
6.4	6.4	12.0
39	39	53
69	70	80

## DIAMOND CORE DRILL, WET DRILLING

### DIA 52 W



#### DIA 52 W applications

- Precise drill holes in reinforced concrete, marble, sandstone, natural stone and tiles
- Drilling through-holes for pipe and power lines or drillings for reinforcing bars
- Installation holes for stair and bridge railings or fences
- Drilling anchor holes
- Plumbing and heating installation
- Gardening and landscaping, stonemasonry work
- Steel and metal structures, facade construction

#### DIA 52 W features

- Drilling holes with dia. 8 - 42 mm with pinpoint accuracy, drilling depth up to 600 mm
- Vibration-free and low noise drilling
- Trouble-free drilling through reinforced concrete
- Quick release system for rapid core bit change and drill core removal
- Safety clutch with anti-lockup system
- Precise preselection and constant control of water flow rate
- Water-saving precision metering
- Screw-in auxiliary handle for non-fatiguing, back-saving posture when drilling downwards
- LED display for performance monitoring and service planning
- Rapid changeover from hand-held to stand mounted drilling
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Reliable water extraction with optional WSET 42150 or WSET 42300 water collection unit
- Electronic overload protection and soft start



TECHNICAL DATA	DIA 52 W
Rated power	2000 W
Rated speed	3000 - 4000 rpm
Drilling range, hand-held or stand mounted, wet	dia. 8 - 42 mm
Machine weight	6.1 kg
Chuck	Quick release system

#### Order-No. DIA 52 W

Standard specification: DUSS DIA 52 W diamond core drill with PRCD circuit breaker, side handle, auxiliary handle, dry lubricant spray, carrying case.

## DIAMOND CORE DRILL, WET DRILLING

# DIAMOND CORE BITS · ACCESSORIES

## DIA 52 W

①



②



### 1 · CA diamond core bit\*

Drilling dia. mm	Working length mm	Order-No.	Drilling dia. mm	Working length mm	Order-No.
8	70	CA 0807	22	300	CA 2230
10	150	CA 1015	24	300	CA 2430
12	150	CA 1215	25	300	CA 2530
14	150	CA 1415	28	300	CA 2830
15	150	CA 1515	30	300	CA 3030
16	150	CA 1615	32	300	CA 3230
16	300	CA 1630	35	300	CA 3530
18	150	CA 1815	38	300	CA 3830
18	300	CA 1830	40	300	CA 4030
20	150	CA 2015	42	300	CA 4230
20	300	CA 2030			

### 2 · ZA centring ring for CA diamond core bit

Dia. mm	Order-No.	Dia. mm	Order-No.	Dia. mm	Order-No.
8	ZA 8	18	ZA 18	30	ZA 30
10	ZA 10	20	ZA 20	32	ZA 32
12	ZA 12	22	ZA 22	35	ZA 35
14	ZA 14	24	ZA 24	38	ZA 38
15	ZA 15	25	ZA 25	40	ZA 40
16	ZA 16	28	ZA 28	42	ZA 42

\* Even applicable with DIA 203 W with SVM drill adapter (on page 72)

We can also manufacture diamond core bits from drilling dia. 16 mm up to 600 mm and intermediate lengths on request



### Water collection unit

for CA diamond core bits with ZA centring rings up to drilling dia. 42 mm and working length 150 mm, with depth stop

Order-No. WSET 42150



### Water collection unit

for CA diamond core bits with ZA centring rings up to drilling dia. 42 mm and working length 300 mm, with depth stop

Order-No. WSET 42300



### Adapter

for diamond core bits with R 1/2" external thread

Order-No. DAS 50

## DIAMOND CORE DRILLS, WET AND DRY DRILLING

### DIA 100 W · DIA 150 W · DIA 300 W



#### DIA 100 W · DIA 150 W · DIA 300 W applications

- Hand-held dry drilling in masonry, sand-lime brick, porcelain, plastic material, etc., even in confined spaces or up a ladder
- Hand-held or stand mounted wet drilling in concrete, granite, marble, etc.
- Drilling holes in sewer pipes

#### DIA 100 W · DIA 150 W · DIA 300 W features

- Time-saving positioning with quick centring bit
- Quick release system for rapid core bit change and drill core removal
- Safety clutch with anti-lockup system
- Precise preselection and constant control of water flow rate
- Water-saving precision metering
- Ultra-efficient dust extraction during dry drilling
- Screw-in auxiliary handle for non-fatiguing, back-saving posture when drilling downwards
- Rapid changeover from hand-held to stand mounted drilling
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Electronic overload protection and soft start



TECHNICAL DATA	DIA 100 W	DIA 150 W	DIA 300 W
Rated power	1800 W	1800 W	1800 W
Rated speed	900 - 1200 rpm	480 - 630 rpm	260 - 350 rpm
Drilling range			
hand-held, wet	dia. 32 - 102 mm	dia. 52 - 162 mm	dia. 112 - 202 mm
stand mounted, wet	dia. 32 - 102 mm	dia. 52 - 162 mm	dia. 112 - 202 mm
in concrete pipe, hand-held, wet	-	up to dia. 202 mm	up to dia. 300 mm
hand-held, dry	dia. 52 - 112 mm	dia. 82 - 212 mm	dia. 127 - 300 mm
Machine weight	6.1 kg	6.1 kg	6.1 kg
Chuck	G 1/2"	G 1/2"	G 1/2"

#### Order-No. DIA 100 W · DIA 150 W · DIA 300 W

Standard specification: DUSS DIA 100 W · DIA 150 W · DIA 300 W diamond core drill with PRCD circuit breaker, side handle, auxiliary handle, ZST centring rod, SW 22 and SW 30 open-end wrenches, dry lubricant spray, carrying case.

## DIAMOND CORE DRILL, WET AND DRY DRILLING

### DIA 203 W



#### DIA 203 W applications

- Drilling in reinforced concrete, granite, marble, sandstone, natural stone, masonry, sand-lime brick, porcelain, plastic materials and wood
- Hand-held or stand mounted drilling, depending on material wet or dry
- Drilling through-holes for pipes and power lines or drillings for reinforcing bars
- Installation holes for stair and bridge railings or fences
- Plumbing and heating installation
- Gardening and landscaping, stonemasonry work
- Steel and metal structures, facade construction

#### DIA 203 W features

- Enormous drilling range, hand-held diamond core drilling from a diameter of dia. 12 mm
- Efficient drilling performance, especially when drilling small to medium diameters
- Comfortable working even in confined spaces, up a ladder or also overhead, thanks to the compact angular design and a machine length of only 39 cm
- Time-saving positioning with quick centring bit
- Quick release system for rapid core bit change and drill core removal
- Safety clutch with anti-lockup system
- Ultra-efficient dust extraction during dry drilling
- Precise preselection and constant control of water flow rate
- Water-saving precision metering
- Screw-in auxiliary handle for non-fatiguing, back-saving posture when drilling downwards
- LED display for performance monitoring and service planning
- Rapid changeover from hand-held to stand mounted drilling
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Electronic overload protection and soft start

**3**  
SPEED



TECHNICAL DATA	DIA 203 W
Rated power	2000 W
Rated speed 1st/2nd/3rd gear	690/1290/2420 rpm
Drilling range with	
diamond core bit, hand-held, wet	dia. 12 - 137 mm
diamond core bit, with BS drill stand, wet	dia. 12 - 137 mm
diamond core bit, hand-held, dry	dia. 52 - 202 mm
LS core cutter in plastic, hand-held	dia. 40 - 162 mm
LS core cutter in plastic, with BS drill stand	dia. 40 - 162 mm
LS core cutter in plastic, with BST drill stand	dia. 40 - 162 mm
LB wood core cutter, hand-held	dia. 42 - 202 mm
LB wood core cutter, with BS drill stand	dia. 42 - 202 mm
LB wood core cutter, with BST drill stand	dia. 42 - 182 mm
Machine weight	6.4 kg
Chuck	G 1/2"

#### Order-No. DIA 203 W

Standard specification: Duss DIA 203 W diamond core drill with PRCD circuit breaker, side handle, auxiliary handle, ZST centring rod, SW 22 and SW 30 open-end wrenches, dry lubricant spray, carrying case.

## DIAMOND CORE DRILL, WET AND DRY DRILLING

### DIA 303 W



#### DIA 303 W applications

- Drillings in reinforced concrete, granite, marble, sandstone, nature stone, masonry, sand lime brick, poroton, plastic materials and wood
- Hand-held or stand mounted wet drilling depending on material wet or dry
- Hand-held drilling or drilling with BST drill stand in sewer pipes
- Electrical installations, gas, plumbing and heating systems
- Domestic utilities and air conditioning systems, renovation of old buildings
- Civil and structural engineering, road building and landscaping

#### DIA 303 W features

- Enormous drilling range, hand-held diamond core drilling up to dia. 300 mm
- Efficient drilling performance, especially when drilling medium to big diameters
- Comfortable working even in confined spaces, up a ladder or also overhead, thanks to the compact angular design and a machine length of only 39 cm
- Time-saving positioning with quick centring bit
- Quick release system for rapid core bit change and drill core removal
- Safety clutch with anti-lockup system
- Ultra-efficient dust extraction during dry drilling
- Precise preselection and constant control of water flow rate
- Water-saving precision metering
- Screw-in auxiliary handle for non-fatiguing, back-saving posture when drilling downwards
- LED display for performance monitoring and service planning
- Rapid changeover from hand-held to stand mounted drilling
- Electronic for constant speed control
- Speed infinitely adjustable with adjusting dial
- Electronic overload protection and soft start



**3**  
SPEED

TECHNICAL DATA	DIA 303 W
Rated power	2000 W
Rated speed 1st/2nd/3rd gear	360/680/1270 rpm
Drilling range with	
diamond core bit, hand-held or with drill stand BS	dia. 32 - 202 mm
diamond core bit in concrete pipe, hand-held, wet	up to dia. 300 mm
diamond core bit, hand-held, dry	dia. 52 - 300 mm
LS core cutter in plastic, hand-held	dia. 40 - 322 mm
LS core cutter in plastic, with BS drill stand	dia. 40 - 202 mm
LS core cutter in plastic, with BST drill stand	dia. 40 - 257 mm
LB wood core cutter, hand-held	dia. 42 - 322 mm
LB wood core cutter, with drill stand BS	dia. 42 - 202 mm
LB wood core cutter with drills stand BST	dia. 40 - 182 mm
Machine weight	6.4 kg
Chuck	G 1/2"

#### Order-No. DIA 303 W

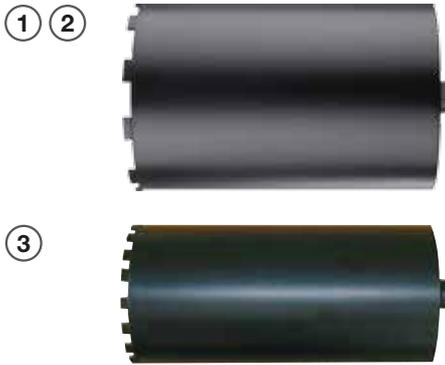
Standard specification: DUSS DIA 303 W diamond core drill with PRCD circuit breaker, side handle, auxiliary handle, ZST centring rod, SW 22 and SW 30 open-end wrenches, dry lubricant spray, carrying case.

DIAMOND CORE DRILLS, WET AND DRY DRILLING

## DIAMOND CORE BITS

**DIA 200 · DIA 300 · DIA 303**

**DIA 100 W · DIA 150 W · DIA 300 W · DIA 203 W · DIA 303 W**



**>> CCL, CTL and CBL diamond core bits**

**Drill quickly. Finish quickly.**

- + Maximum drilling progress with minimum effort
- + Best cutting endurance, long service life
- + Smooth pilot drilling, quiet running, high concentricity thanks to exact segment positioning
- + Universal use
- + Hand-held or stand mounted

**1 · CCL diamond core bit for wet drilling as well as for dry drilling with dust extraction, 11 mm premium roof-shaped segments**

**G 1/2"**

Drilling dia. mm	Working length mm	Order-No.	Drilling dia. mm	Working length mm	Order-No.	Drilling dia. mm	Working length mm	Order-No.
52	300	CCL 52*	102	300	CCL 102	172	300	CTL 172
52	400	CCL 52400*	102	400	CCL 102400	178	300	CTL 178
57	300	CCL 57*	112	300	CCL 112	182	300	CTL 182
62	300	CCL 62*	112	400	CCL 112400	182	400	CTL 182400
62	400	CCL 62400*	117	300	CCL 117	186	300	CTL 186
67	300	CCL 67*	127	300	CCL 127	202	300	CTL 202
67	150	CCL 67150*	127	400	CCL 127400	202	400	CTL 202400
67	400	CCL 67400*	132	300	CCL 132	212	300	CTL 212
77	300	CCL 77	132	400	CCL 132400	212	400	CTL 212400
82	300	CCL 82	137	300	CCL 137	225	300	CTL 225
82	150	CCL 82150	152	300	CCL 152	232	300	CTL 232
82	400	CCL 82400	152	400	CCL 152400	250	300	CTL 250
92	300	CCL 92	162	300	CCL 162	257	300	CTL 257
92	400	CCL 92400	162	400	CCL 162400	300	300	CTL 300

**2 · CBL diamond core bit for wet drilling, 11 mm premium roof-shaped segments**

**G 1/2"**

Drilling dia. mm	Working length mm	Order-No.	Drilling dia. mm	Working length mm	Order-No.	Drilling dia. mm	Working length mm	Order-No.
32	300	CBL 32	82	300	CBL 82	142	300	CBL 142
36	300	CBL 36	92	300	CBL 92	152	300	CBL 152
42	300	CBL 42	102	300	CBL 102	162	300	CBL 162
47	300	CBL 47	107	300	CBL 107	172	300	CBL 172
52	300	CBL 52	112	300	CBL 112	178	300	CBL 178
57	300	CBL 57	117	300	CBL 117	182	300	CBL 182
62	300	CBL 62	122	300	CBL 122	186	300	CBL 186
67	300	CBL 67	127	300	CBL 127	200	300	CBL 200
72	300	CBL 72	132	300	CBL 132			
77	300	CBL 77	137	300	CBL 137			

**3 · CK diamond core bit for ceramic flue liners in chimney pipes, 11 mm premium roof-shaped segments**

**G 1/2"**

Drilling dia. mm	Working length mm	Order-No.	Drilling dia. mm	Working length mm	Order-No.	Drilling dia. mm	Working length mm	Order-No.
112	300	CK 112	162	300	CK 162	202	300	CK 202
132	300	CK 132	172	300	CK 172	225	300	CK 225
152	300	CK 152	182	300	CK 182	250	300	CK 250

\* Required accessories for dry drilling can be found on pages 74 and 75, for wet drilling on page 72

### ACCESSORIES

**DIA 200 · DIA 300 · DIA 303**

**DIA 100 W · DIA 150 W · DIA 300 W · DIA 203 W · DIA 303 W**



**Core bit adapter**  
for quick release system  
**Order-No. SVK**



**Drill adapter**  
for quick release system  
**Order-No. SVM**

#### >> Best practice

The **DUSS quick release system** permits tool changes in just seconds, as well as fast, simple removal of the drill core. Plug on the tool, twist, done. No auxiliary tools needed. The quick release system comprises the drill adapter for mounting on the diamond core drill and different adapters for mounting on diamond core bits, core cutters or chucks.



#### Quick centring bits

for rapid, hand-held centring up to dia. 152 mm. The spring-loaded centring bit retracts when drilling starts.

No pilot hole is necessary.

For core bits with a working length of 250 mm to 300 mm

**Order-No. SZ**

For core bits with a working length of 400 mm to 450 mm

**Order-No. SZ 4**

For core bits with a working length of 100 mm to 163 mm

**Order-No. SZ 150**



#### Centring rods

Overall length 385 mm, for core bits with a working length up to 300 mm

**Order-No. ZST**

Overall length 235 mm, for core bits with a working length up to 163 mm

**Order-No. ZST 2**

Overall length 550 mm, for core bits with a working length up to 450 mm and angular drilling of large drill holes with core bits with a working length up to 300 mm

**Order-No. ZST 6**



#### Sealing plug

for CCL diamond core bits from dia. 77 mm, to plug suction holes during wet drilling

**Order-No. VS**



#### Sealing ring

for diamond core bits CCL 52, CCL 57, CCL 62 and CCL 67, to plug suction holes during wet drilling

**Order-No. AR**



#### Sharpening plate

for resharpening blunt diamond core bits, 250 x 250 x 50 mm

**Order-No. SP**

## ACCESSORIES



### Adapter G 1/2" external - R 1/2" external

for use with other manufacturers' core drills with R 1/2" internal thread, DUSS ZST centring rod or DUSS SZ quick centring bit can be used

**Order-No. DAS 3**



### Adapter G 1/2" external - 1 1/4" UNC internal

for use with other manufacturers' core drills with 1 1/4" UNC external thread, DUSS ZST centring rod or DUSS SZ quick centring bit can be used

**Order-No. DAS 6**



### Keyless chuck

clamping range 1.5 - 13 mm, for wood and steel drill bits, screwdriving and mixing tools, hole saws, etc.

**Order-No. FS 13 S**



### Chuck adapter

for quick release system, suitable for FS 13 S keyless chuck and other chucks with 1/2" - 20 UNF thread

**Order-No. SVB**



### Chuck adapter

for threaded connection, suitable for FS 13 S keyless chuck and other chucks with 1/2" - 20 UNF thread

**Order-No. DF 5**



### Socket adapter

for keyless chuck, adapter for sockets with 1/2" square

**Order-No. STA**



### Adapter R 1/2" internal - G 1/2" internal

for other manufacturers' diamond core bits with R 1/2" external thread

**Order-No. DAS 2**



### Adapter 1 1/4" UNC external - G 1/2" internal

for other manufacturers' diamond core bits with 1 1/4" UNC internal thread and a working length up to 450 mm, DUSS ZST 6 centring rod or DUSS SZ 4 quick centring bit can be used

**Order-No. DAS 4**



### >> Best practice

Core cutters with premium-quality carbide inserts for **precise and fast drillings** up to drilling dia. 322 mm

#### + in plastic material with LS core cutter

e.g. for drilling connecting holes for branch pipes in plastic sewer pipes

#### + in wood with LB wood core cutter

e.g. for installation holes in solid wood ceilings or in glued laminated timber

(further information can be found from page 90 onwards)

### ACCESSORIES

**DIA 200 · DIA 300 · DIA 303**

**DIA 100 W · DIA 150 W · DIA 300 W · DIA 303 W**

①



Extension

②



Suction tube

③



Suction head\*

Extraction accessories for dry drilling and extensions for use with DUSS diamond core bits, <u>without</u> quick release system						
Order-No. DIA 200 · DIA 300 · DIA 303 · DIA 100 W DIA 150 W · DIA 300 W · DIA 203 W · DIA 303 W	① VL 150	① VL 300	② R 75/165	② R 75/315	③ SK 61**	③ SK 76
from dia. 77 mm <b>dry drilling without extension</b> ***					•	
from dia. 77 mm <b>dry drilling with extension 150 mm</b>	•		•			•
from dia. 77 mm <b>dry drilling with extension 300 mm</b>		•		•		•
<b>DIA 100 W · DIA 150 W · DIA 300 W DIA 203 W · DIA 303 W</b>						
<b>Wet drilling with extension 150 mm</b>	•					
<b>Wet drilling with extension 300 mm</b>		•				

\*\* DIA 200, DIA 300 and DIA 303: included in standard specification \*\*\* Also applicable for LB wood core cutter

①



Extension

②



Suction tube

④



Reducing ring

③



Suction head\*

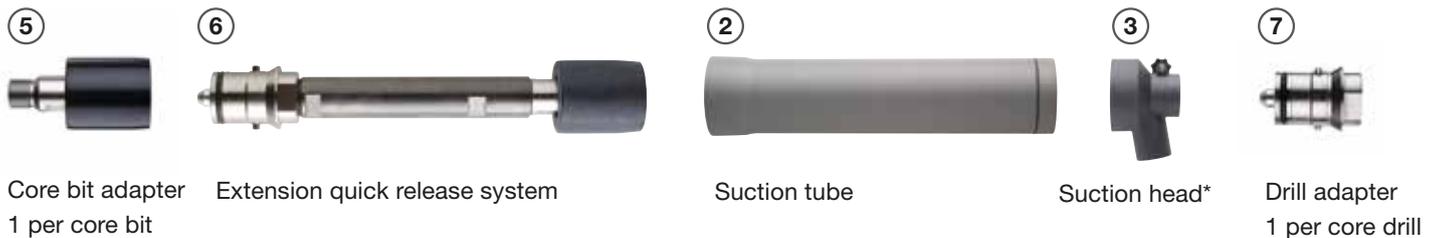
Extraction accessories for dry drilling and extensions for use with DUSS CCL 52, CCL 57, CCL 62 und CCL 67 diamond core bits, <u>without</u> quick release system							
Order-No. DIA 303 · DIA 100 W · DIA 203 W DIA 303 W	① VL 150	① VL 300	② R 50/155	② R 50/305	④ RR 75/50	③ SK 61**	③ SK 76
<b>Dry drilling without extension</b>					•	•	
<b>Dry drilling with extension 150 mm</b>	•		•		•		•
<b>Dry drilling with extension 300 mm</b>		•		•	•		•

\*\* DIA 303: included in standard specification

\* Connection dia. suction hose 35 mm

## ACCESSORIES

The **DUSS quick release system** permits tool changes in just seconds, as well as fast, simple removal of the drill core. Plug on the tool, twist, done. No auxiliary tools needed. The quick release system comprises the drill adapter for mounting on the diamond core drill and different adapters for mounting on diamond core bits, core cutters or chucks. Also available are extensions for fast system enlargement.



Extraction accessories for dry drilling and extensions for use with <b>DUSS diamond core bits, with quick release system</b>	⑤ SVK	⑥ VL 150 SWS	⑥ VL 300 SWS	② RS 75/100	② RS 75/340	② RS 75/490	③ SK 76	⑦ SVM
<b>Order-No.</b> DIA 200 · DIA 300 · DIA 303 · DIA 100 W DIA 150 W · DIA 300 W · DIA 203 W · DIA 303 W								
from dia. 77 mm <b>dry drilling without extension***</b>	•			•			•	•
from dia. 77 mm <b>dry drilling with extension 150 mm</b>	•	•			•		•	•
from dia. 77 mm <b>dry drilling with extension 300 mm</b>	•		•			•	•	•
<b>DIA 100 W · DIA 150 W · DIA 300 W DIA 203 W · DIA 303 W</b>								
<b>Wet drilling with extension 150 mm</b>	•	•						•
<b>Wet drilling with extension 300 mm</b>	•		•					•

\*\*\* Also applicable for LB wood core cutter



Extraction accessories for dry drilling for use with <b>DUSS CCL 52, CCL 57, CCL 62 und CCL 67 diamond core bits, with quick release system</b>	⑤ SVK	④ RR 75/50	② RS 75/100	③ SK 76	⑦ SVM
<b>Order-No.</b> DIA 303 · DIA 100 W · DIA 203 W DIA 303 W					
<b>Dry drilling without extension</b>	•	•	•	•	•

\* Connection dia. suction hose 35 mm

### ACCESSORIES

**DIA 200 · DIA 300 · DIA 303**

**DIA 100 W · DIA 150 W · DIA 300 W · DIA 203 W · DIA 303 W**



**Bubble level**

for accurate alignment when drilling vertical or horizontal

**Order-No. NH**



**Water supply unit**

for use where no water supply is available, steel tank, capacity 10 l, reinforced hose 2.5 m and 1/2" coupling with water stop

**Order-No. WDB 10**

### DIA 203 W



**CA diamond core bits**

with drilling dia. 12 mm to 42 mm (further information can be found on page 67)



**Water collection unit**

for CA diamond core bits with ZA centring rings up to drilling dia. 42 mm and working length 150 mm, with depth stop

**Order-No. WSET 42150**



**Water collection unit**

for CA diamond core bits with ZA centring rings up to drilling dia. 42 mm and working length 300 mm, with depth stop

**Order-No. WSET 42300**

**>> Product tips**

- + Self-wall-adhering **ASG suction cups** up to drilling dia. 250 mm for clean, hand-held diamond core drilling (further information can be found on page 84)
- + **Industrial vacuum cleaners** for wet and dry vacuum cleaning (further information can be found on page 87)
- + **BST drill stands** for right-angled and centric drilling in smooth and corrugated sewer pipes (further information can be found on page 94)

DIAMOND CORE DRILLS, WET AND DRY DRILLING

## ACCESSORIES

**Electrical socket sinking without interruption, in concrete with DIA 100 W · DIA 203 W  
DIA 303 W and in masonry with DIA 303 · DIA 100 W · DIA 203 W · DIA 303 W**



Wet socket sinking in concrete with water extraction



Dry socket sinking in sand-lime brick with dust extraction



**Diamond core bits with G 1/2" thread**  
for wet drilling in concrete or dry drilling  
in masonry with extraction, drilling depth  
max. 150 mm  
**Order-No. CCL 67150** for drilling dia. 67 mm  
**Order-No. CCL 82150** for drilling dia. 82 mm



**Quick centring bit**  
for rapid, hand-held electrical socket sinking,  
without interruption, the spring-loaded  
centring bit retracts when drilling starts,  
no pilot hole is necessary  
**Order-No. SZ 150**



**Suction head, short**  
for dust extraction during dry drilling  
(threaded connection) connection dia.  
suction hose 35 mm  
**Order-No. SK 61**



**Reducing ring**  
for dust extraction during dry drilling with  
CCL 67150 diamond core bit  
(threaded connection)  
**Order-No. RR 75/50**



**Water collection unit**  
for CCL 67150 and CCL 82150  
diamond core bits, with depth stop  
**Order-No. WSET 82**



**Quick release adapter with automatic centring**  
for electrical socket sinking without interruption,  
rapid core bit change and drill core removal to  
the rear (diamond socket cutters with quick  
release system can be found on page 61)  
**Order-No. SWA**



DIAMOND CORE DRILLS, WET AND DRY DRILLING

## DRILL STANDS · ACCESSORIES

**DIA 200 · DIA 300 · DIA 303**

**DIA 52 W · DIA 100 W · DIA 150 W · DIA 300 W · DIA 203 W · DIA 303 W**

### >> BS 160 drill stands

- + Extremely robust and high torsional stiffness
- + Lightweight, handy and easy handling
- + Precisely guided machine slide



Drill stand	BS 160
Max. drilling dia.	202 mm
Max. drilling dia. with water collecting ring	182 mm
Stroke	630 mm
Column length*	920 mm
Angle adjustment	0 - 45° infinitely
Base plate	275 x 465 mm
Weight	12.2 kg
Drill holder with quick release	•
Bubble level in machine slide	•
Electrically insulated lever	•
Carrying handle	•
Fixing options	VP vacuum pump**, BFS mounting set, SST quick release column
Recommended drills	DIA 200***, DIA 300***, DIA 303***, DIA 52 W, DIA 100 W, DIA 150 W, DIA 300 W, DIA 203 W, DIA 303 W
Order-No.	BS 160

\* Different column lengths on request \*\* Only in conjunction with vacuum set (page 79) \*\*\* Only in conjunction with dry extraction (page 79)



### WS 1A water collecting ring

for BS 160 drill stand, up to max. drilling dia. 182 mm, including clamp and sealing cover

Order-No. WS 1A



### Sealing cover

for WS 1A water collecting ring

Order-No. DM 1A

## DRILL STANDS · ACCESSORIES



**Centring pin**  
for pinpoint positioning of BS 160 drill stand  
**Order-No. ZD**



**Mounting set**  
for BS 160 drill stand, comprising threaded rod, clamping nut, M12 metal anchors 25 pieces, M16 washer and setting tool  
**Order-No. BFS**



**Metal anchors**  
25 pieces  
**Order-No. EA**



**Vacuum pump**  
for fixing BS 160 drill stand on level and smooth surfaces, with 5 m hose, including coupling  
**Order-No. VP**



**Vacuum set**  
comprising vacuum block with connection valve and vacuum pad for BS 160 drill stand  
**Order-No. BS 160-VS**



**Vacuum pad**  
for BS 160 drill stand  
**Order-No. BS 160-VG**



**Quick release column**  
for fixing BS 160 drill stand against ceiling or wall, clamping width 1.6 - 3 m  
**Order-No. SST**



**Dry extraction**  
for dry drilling in drill stand with dust extraction in masonry with diamond core bits G 1/2"  
**Order-No. TBS**

## DIAMOND CORE DRILL, WET DRILLING

### DIA 400 W



**3**  
SPEED



#### DIA 400 W applications

- Civil and structural engineering
- Making breaches in reinforced concrete
- Penetrations for ducts, pipes and cables
- Drilling rows of holes

#### DIA 400 W features

- Air cooled, 3200 W drive motor with 3-speed-gearbox
- Oil pump provides reliable lubrication in all positions, including continuous downward drilling
- Reliable, long life overload clutch
- Electronic for constant speed control
- Electronic overload protection, permits immediate resumption of work
- Soft start
- Robust, long-life design with high power reserves
- Convenient core bit change with quick release ring

TECHNICAL DATA	DIA 400 W
Rated power	3200 W
Drilling range	
1st gear: 230 rpm	dia. 172 - 400 mm
2nd gear: 480 rpm	dia. 92 - 182 mm
3rd gear: 720 rpm	dia. 67 - 112 mm
Machine weight	12.0 kg
Chuck	1 1/4" UNC external

TECHNICAL DATA	BS 400
Max. drilling dia.	400 mm
Max. drilling dia. with water collecting ring	302 mm
Stroke	600 mm
Angle adjustment	0 - 45° infinitely
Weight	22.7 kg

**Order-No. DIA 400 W** Standard specification: DUSS DIA 400 W diamond core drill with PRCD circuit breaker, handle, quick release ring.

**Order-No. BS 400** Standard specification: DUSS BS 400 drill stand.

## DIAMOND CORE DRILL, WET DRILLING

# DIAMOND CORE BITS · ACCESSORIES

## DIA 400 W



### >> CWL diamond core bits

**Drill quickly. Finish quickly.**

- + Maximum drilling progress with minimum effort
- + Best cutting endurance, long service life
- + Smooth pilot drilling, quiet running, high concentricity thanks to exact segment positioning
- + Universal use

CWL diamond core bit for wet drilling, 11 mm premium roof-shaped segments

1 1/4" UNC internal

Drilling dia. mm	Working length mm	Order-No.	Drilling dia. mm	Working length mm	Order-No.
42	450	CWL 42	132	450	CWL 132
47	450	CWL 47	138	450	CWL 138
52	450	CWL 52	142	450	CWL 142
57	450	CWL 57	152	450	CWL 152
62	450	CWL 62	162	450	CWL 162
67	450	CWL 67	172	450	CWL 172
72	450	CWL 72	182	450	CWL 182
77	450	CWL 77	186	450	CWL 186
82	450	CWL 82	200	450	CWL 200
92	450	CWL 92	225	450	CWL 225
102	450	CWL 102	250	450	CWL 250
107	450	CWL 107	300	450	CWL 300
112	450	CWL 112	350	450	CWL 350
122	450	CWL 122	400	450	CWL 400
127	450	CWL 127			



### Extension

for CWL diamond core bit with 1 1/4" UNC internal  
100 mm

**Order-No. VLW 100**

200 mm

**Order-No. VLW 200**

300 mm

**Order-No. VLW 300**



### Water supply unit

for use where no water supply is available, steel tank,  
capacity 10 l, reinforced hose 2.5 m and 1/2" coupling  
with water stop

**Order-No. WDB 10**

# DRILL STAND · ACCESSORIES

## DIA 400 W

### >> BS 400 drill stand

- + Extremely robust and high torsional stiffness
- + Easy handling
- + Precisely guided machine slide



<b>Drill stand</b>	<b>BS 400</b>
Max. drilling dia.	400 mm
Max. drilling dia. with water collecting ring	302 mm
Stroke	605 mm
Column length*	925 mm
Angle adjustment	0 - 45° infinitely
Base plate	390 x 520 mm
Weight	22.7 kg
Bubble level in machine slide	•
Electrically insulated feed lever	•
Carrying handle and wheels	•
Fixing options	BFS 2 mounting set
<b>Order-No.</b>	<b>BS 400</b>

\* Different column lengths on request



**Water collecting ring**  
for BS 400 drill stand, up to max. drilling dia. 302 mm, with clamp and sealing cover  
**Order-No. WS 3C**



**Sealing cover**  
for WS 3C water collecting ring  
**Order-No. DM 3C**



**Mounting set**  
for BS 400 drill stand, comprising threaded rod, clamping nut, M12 metal anchors 25 pieces, washer and setting tool  
**Order-No. BFS 2**

**Metal anchors**  
25 pieces  
**Order-No. EA**



## SUCTION CUPS FOR DRY DRILLING AND WET DIAMOND CORE DRILLING

### ASG



#### ASG applications

- Dust-free drilling
- Clean diamond core drilling
- Especially when working in closed rooms
- Suitable for all rotary hammers and diamond core drills, also other manufacturers' machines



#### ASG features

- Dust-free air when working
- Dust-free working environment to protect the user
- Minimum pollution of the immediate environment
- No time-consuming cleaning of the workplace
- Simple handling: connect the vacuum cleaner suction hose, the suction cup sucks itself onto the surface
- Adheres securely on various surfaces
- Universally applicable for drillings up to dia. 250 mm



TECHNICAL DATA	1 · ASG 12	2 · ASG 68	3 · ASG 117	4 · ASG 202	5 · ASG 250
Drilling range	up to dia. 12 mm	up to dia. 68 mm	up to dia. 117 mm	up to dia. 202 mm	up to dia. 250 mm
Dry drilling	•	•	-	-	-
Wet diamond core drilling	-	•	•	•	•
Connection dia. suction hose	32 - 37 mm	32 - 37 mm	32 - 37 mm	32 - 37 mm	32 - 37 mm
Order-No.	ASG 12	ASG 68	ASG 117	ASG 202	ASG 250



#### Elbow fitting

for drillings in hollows and recesses with ASG 68, ASG 117, ASG 202 and ASG 250 suction cups

Order-No. WST



#### Sealing cover

for ASG 117 suction cup  
**Order-No. DM 117**  
 for ASG 202 suction cup  
**Order-No. DM 202**  
 for ASG 250 suction cup  
**Order-No. DM 250**

## DUST EXTRACTORS FOR CHISELLING AND DEMOLITION WORK

### MASH · MASP



#### MASH · MASP applications

- Dust-free chiselling and demolition work
- Especially when chiselling in closed rooms
- Suitable for all DUSS combi hammers, breakers and demolition hammers

#### MASH · MASP features

- Optimum dust extraction during all chiselling and demolition work
- Dust-free working environment to protect the user
- Minimum cleaning of the immediate environment required
- Simple mounting of dust extractor to machine
- Practical length adjustment to suit different chisel lengths
- Maximum manoeuvrability thanks to swivelling housing
- Protection from damage through inadvertently switching-on the drilling function thanks to the free-floating housing
- Slim-line, compact design
- The chuck of the machine remains dust-free as the dust extractor and the chuck are separated
- Prolonged service life of machine components



TECHNICAL DATA	1 · MASH 1	2 · MASH 2	3 · MASH 3	4 · MASP
For DUSS machines with	Side handle	Side handle	Side handle	D-handle
Suitable machines	P 30, PK 35, PK 45, PK 45 A, PK 75, PK 75 A	P 60 A, P 90, PX 48 A, PX 76, PX 78, PX 96	P 26 C, PK 2	PKX 4 A, PKX 7, PK 160 A, PK 300 A, PK 600
For chisels with overall length	340 - 490 / 620* mm	340 - 490 / 620* mm	180 - 300 / 580* mm	320 - 490 / 670* mm
Connection dia. suction hose	32 - 37 mm	32 - 37 mm	32 - 37 mm	32 - 37 mm
<b>Order-No.</b>	<b>MASH 1</b>	<b>MASH 2</b>	<b>MASH 3</b>	<b>MASP</b>

\* In conjunction with VLMA extension



#### Extension\*\*

for use of chisels with overall length of 300 mm to 580 mm or of 490 mm to 670 mm

**Order-No. VLMA**



#### Carrying case

for MASH 1, MASH 2 and MASH 3 dust extractors

**Order-No. SHT**

for MASP dust extractor

**Order-No. SPT**

\*\* MASH 1, MASH 2 and MASH 3: accessory; MASP: included in standard specification

### ASF



#### ASF applications

- Tiling and installation works
- Dust-free, dry diamond core drilling in tiles, stoneware, ceramics, marble, granite
- Dust-free, precise working on tiles before installing, even on large tiles
- Suitable for all angle grinders and rotary drills, also other manufacturers' machines

#### ASF features

- Low and open housing allows an unlimited view of the working area for precise drilling with pinpoint accuracy
- Flexible adjustment of the suction hood opening to different drilling diameters thanks to the infinitely slidable covering
- Drilling of tiles is possible in closed rooms — no walking of long distances to get outside, saving time and costs
- Dust-free working environment to protect the user, less cleaning works
- Simple handling
- No auxiliary tools required, no mounting on the machine
- Wheel guard of angle grinders can be used



#### TECHNICAL DATA

ASF

Drilling range with diamond core bit, in tiles and ceramics	up to dia. 120 mm
Related products	LD, LDM, LDF
Connection dia. suction hose	30 - 40 mm
<b>Order-No.</b>	<b>ASF</b>



## INDUSTRIAL VACUUM CLEANER

### ISC



#### ISC applications

- For wet and dry vacuum cleaning

#### ISC features

- Integrated appliance socket with automatic on/off switch
- Automatic filter cleaning, cleans filter during work breaks
- Best suction results due to powerful suction turbine
- Excellent handling thanks to compact design
- Warning lamp if volume flow is too low
- Soft start and after-run control
- Speed infinitely adjustable
- Water level detection with sensor-controlled shut-off
- Fleece filter bags for uncomplicated disposal
- Practical storage place for tools and small parts
- Robust housing

TECHNICAL DATA	ISC
Rated power	1600 W
Max. volumetric flow rate	45 l/s** (75 l/s*)
Max. partial vacuum	245 mbar** (280 mbar*)
Max. container volume	25 l
Weight	12.2 kg
Suction hose	dia. 35 mm, 5 m
Safety class	I
<b>Order-No.</b>	<b>ISC</b>

### ISPS



#### ISPS applications

- For wet and dry vacuum cleaning
- BGIA dust class M

#### ISPS features

- Permanent, automatic filter cleaning as and when required also during operation
- Integrated appliance socket with automatic on/off switch
- Pressure difference control for constant monitoring of current filter occupancy
- Constantly high air flow even during filter cleaning
- Best suction results due to powerful suction turbine
- Special PE emptying bags for dust-free disposal
- Volume flow monitoring, adjustable for different suction hose diameters
- Warning lamp and signal tone if volume flow is too low
- Soft start and after-run control
- Two-stage speed control
- Water level detection with sensor-controlled shut-off
- Accessories storage
- Multifunctional element for attaching tensioning straps and as transport possibility of e.g. boxes on the vacuum cleaner
- Practical storage place for tools and small parts
- Robust housing

TECHNICAL DATA	ISPS
Rated power	1600 W
Max. volumetric flow rate	45 l/s** (75 l/s*)
Max. partial vacuum	245 mbar** (280 mbar*)
Max. container volume	35 l
Weight	15.6 kg
Suction hose	dia. 35 mm, 5 m
Safety class	I
<b>Order-No.</b>	<b>ISPS</b>

\* Measured at the motor fan \*\* Measured at the end of the hose

## ACCESSORIES

### ISC · ISPS

**Filter cartridge (2 pieces)**  
Order-No. ISC-9 · ISP-9

**Fleece filter bag (5 pieces)**  
Order-No. ISC-11 · ISP-11

**Suction hose, antistatic**  
Order-No. SSL

**Suction hose**  
Order-No. ISC-12 · ISP-12

**Hose connection, vacuum cleaner side, bayonet**  
Order-No. ISC-13 · ISP-13

**Hose connection, tube side**  
Order-No. ISC-14 · ISP-14

**Crevice nozzle**  
Order-No. ISC-15 · ISP-15

**Rubber nozzle**  
Order-No. ISC-16 · ISP-16

**Connecting sleeve, stepped**  
Order-No. ISC-17 · ISP-17

**Accessory kit**  
Order-No. EWB

### ISPS

**PE emptying bag (5 pieces)**  
Order-No. ISP-200

## HOLE SAW FOR PLASTIC MATERIALS, WOOD AND WOOD COMPOSITES

### LC

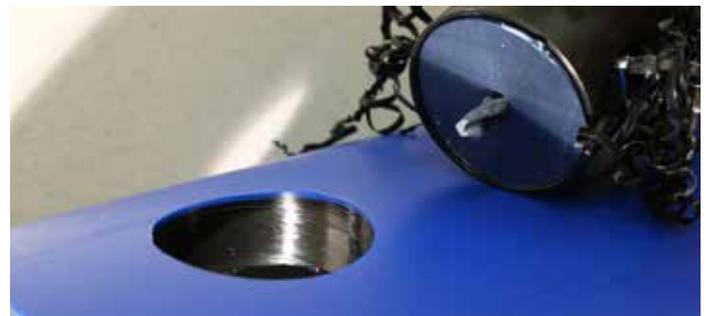


#### LC applications

- Installation holes and continuous drilling of the highest precision
- PVC, PE, PP, GFRP, acrylic glass, polycarbonate
- Massive wood, OSB, particle boards, veneered chipboards, plywood, wire mesh plywood, laminate, MDF, HDF
- Artificial resin, e.g. Pertinax, Trespa, Resopal

#### LC features

- Extremely short drilling times and enormous time savings, thanks to innovative cutting technology and premium-quality carbide inserts
- Smooth, quiet running, exact concentricity and high drilling stability
- Easy hole saw change and quick drill core removal thanks to quick change system
- Excellent surface finish quality of the drill hole, making deburring unnecessary
- Optimal chip removal thanks to extra large chip space
- Minimal heat development
- Exceptionally long service life of the premium-quality carbide inserts
- Reasonable insert protrusion, greater safety, no catching
- Reliable centring and hole saw guidance thanks to robust pilot drill



+ Optimal positioning and smooth, quiet running also when drilling angular at extreme angles



#### TECHNICAL DATA LC

Recommended speed for drilling dia.	wood composites (rpm)	plastic materials (rpm)
up to 45 mm	2000	2000
46 - 60 mm	2000	1600
61 - 80 mm	2000	1200
81 - 110 mm	1500	900
111 - 126 mm	1200	700
Connecting thread	Quick change system	

Drilling dia. mm	Drilling depth mm	Order-No.
25	70	LC 25
32	70	LC 32
40	70	LC 40
50	70	LC 50
63	70	LC 63
68	70	LC 68
75	70	LC 75
83	70	LC 83
90	70	LC 90
126	70	LC 126



## CORE CUTTER FOR PLASTIC MATERIALS

### LS



#### LS applications

- Drilling connecting holes for branch pipes in plastic sewer pipes
- Drilling holes in plastic containers

#### LS features

- Short drilling times and enormous time savings, thanks to innovative cutting technology and premium-quality carbide inserts
- Fast and reliable drilling, even into thick-walled pipes or containers
- Excellent surface finish quality of the drill hole, making deburring unnecessary
- Hand-held drilling of all diameters with DIA 303 and DIA 303 W diamond core drills
- Smooth and clean holes, even in corrugated pipes
- Exceptional prolonged endurance of the carbide inserts
- The drill core is automatically ejected from the core cutter and captured on the tip of the pilot drill bit, with LSZ 1 pilot drill bit



TECHNICAL DATA		LS
Recommended speed for drilling dia.		
40 - 82 mm	1400 - 700 rpm	
83 - 142 mm	700 - 400 rpm	
143 - 202 mm	400 - 280 rpm	
203 - 322 mm	280 - 180 rpm	
Drilling depth	163 mm	
Connecting thread	G 1/2"	
Recommended drills	DIA 200, DIA 300, DIA 303, DIA 100 W, DIA 150 W, DIA 300 W, DIA 203 W, DIA 303 W	



- + Right-angled drilling with BST drill stand up to drilling dia. 257 mm without mounting, forces are compensated by the drill stand
- + 15 seconds drilling time in 13 mm thick sewer pipe with LS 200 hole saw and DIA 303 W diamond core drill
- + Drilling of manholes in plastic containers up to drilling dia. 650 mm

Drilling dia. mm	Order-No.	Drilling dia. mm	Order-No.
40	LS 40	142	LS 142
42	LS 42	147	LS 147
50	LS 50	152	LS 152
52	LS 52	160	LS 160
62	LS 62	162	LS 162
67	LS 67	164	LS 164
75	LS 75	167	LS 167
77	LS 77	172	LS 172
82	LS 82	178	LS 178
92	LS 92	182	LS 182
95	LS 95	187	LS 187
102	LS 102	195	LS 195
112	LS 112	200	LS 200
117	LS 117	207	LS 207
123	LS 123	250	LS 250
127	LS 127	257	LS 257
137	LS 137	322	LS 322

## WOOD CORE CUTTER FOR WOOD AND WOOD COMPOSITES

### LB



#### LB applications

- Installation holes in solid wood ceilings for extractor fans, drainpipes, laundry chutes, etc.
- Holes in wall panelling for filling insulation material, e.g. cellulose insulation
- Installation holes in glued laminated timber for heating pipes
- Holes in glued laminated timber for optical purposes
- Ducts in roof panelling for flue pipes, ventilation, etc.

#### LB features

- Enormous drilling depth, also in solid wood up to 300 mm
- High drilling speed thanks to innovative cutting technology
- Excellent surface finish quality of the drill hole
- Simple drill core removal from wood core cutter, drill core drops out due to its own weight
- Hand-held drilling of all diameters with DIA 303 and DIA 303 W diamond core drills
- Fine sawdust-free drilling, with extraction
- No pilot hole is necessary, with SZ quick centring bit



- + Drilling time of 4 minutes with LB 250 wood core cutter and DIA 303 W diamond core drill in 220 mm thick spruce wood
- + Drilling with sawdust extraction – improved drilling progress from a drilling depth of 100 mm
- + Right-angled drilling with BST 4 drill stand up to drilling dia. 182 mm without mounting, forces largely compensated by the drill stand



TECHNICAL DATA		LB
Recommended speed for drilling dia.		
40 - 82 mm	1400 - 700 rpm	
83 - 142 mm	700 - 400 rpm	
143 - 202 mm	400 - 280 rpm	
203 - 322 mm	280 - 180 rpm	
Drilling depth	300 mm	
Connecting thread	G 1/2"	
Recommended drills	DIA 200, DIA 300, DIA 303, DIA 100 W, DIA 150 W, DIA 300 W, DIA 203 W, DIA 303 W	

Drilling dia. mm	Order-No.	Drilling dia. mm	Order-No.
42	LB 42	127	LB 127
52	LB 52	132	LB 132
62	LB 62	142	LB 142
68	LB 68	152	LB 152
77	LB 77	162	LB 162
82	LB 82	172	LB 172
87	LB 87	182	LB 182
92	LB 92	202	LB 202
102	LB 102	250	LB 250
112	LB 112		

## HOLE SAW · CORE CUTTERS

### ACCESSORIES

#### LC



##### Quick change system

with pilot drill bit for LC hole saw, bayonet catch, quick change between hole saws of different diameters, easy removal of drill core, optimal power transmission, exact concentricity, shank dia. 10 mm  
**Order-No. BC**



##### Suction cup

self-wall-adhering, for clean drilling up to drilling dia. 68 mm (further information can be found on page 84)

**Order-No. ASG 68**

#### LS · LB



**LSA 1 core cutter adapter**  
for quick release system  
**Order-No. LSA 1**



**Drill adapter**  
for quick release system  
**Order-No. SVM**



**LSA 2 core cutter adapter**  
for threaded connection  
**Order-No. LSA 2**



**LSA 3 core cutter adapter**  
for keyless chuck, shank dia. 13 mm  
**Order-No. LSA 3**



**LSA 4 core cutter adapter**  
for SDS-max chuck  
**Order-No. LSA 4**



##### Carrying case

for core cutters with drilling dia. up to 200 mm and accessories  
**Order-No. LSK**

#### LS



**LSA 5 core cutter adapter**  
for SDS-plus chuck  
**Order-No. LSA 5**



##### Pilot drill bit with ejector

drilling dia. 14 mm, overall length 300 mm, the drill core is automatically ejected from the LS core cutter and captured on the tip of the pilot drill bit

**Order-No. LSZ 1**

## ACCESSORIES



**Pilot drill bit**  
drilling dia. 12 mm, overall length 250 mm  
**Order-No. LSZ 2**



**Centring rod**  
overall length 385 mm, as centring aid for angular drill holes with LS core cutter  
**Order-No. ZST**



**BST 1 drill stand**  
for right-angled and centric drillings in smooth sewer pipes  
**Order-No. BST 1**



**BST 2 drill stand**  
for right-angled and centric drillings in pipes with corrugated surfaces  
**Order-No. BST 2**

## LB



**Quick centring bit**  
for rapid, hand-held centring up to dia. 132 mm. The spring-loaded centring bit retracts when drilling starts. No pilot hole is necessary. For LB wood core cutter with working length of 250 mm to 300 mm  
**Order-No. SZ**



**Centring rods**  
Overall length 385 mm, as centring aid for large drill holes with LB wood core cutter  
**Order-No. ZST**  
Overall length 550 mm, as centring aid for angular drill holes with LB wood core cutter  
**Order-No. ZST 6**

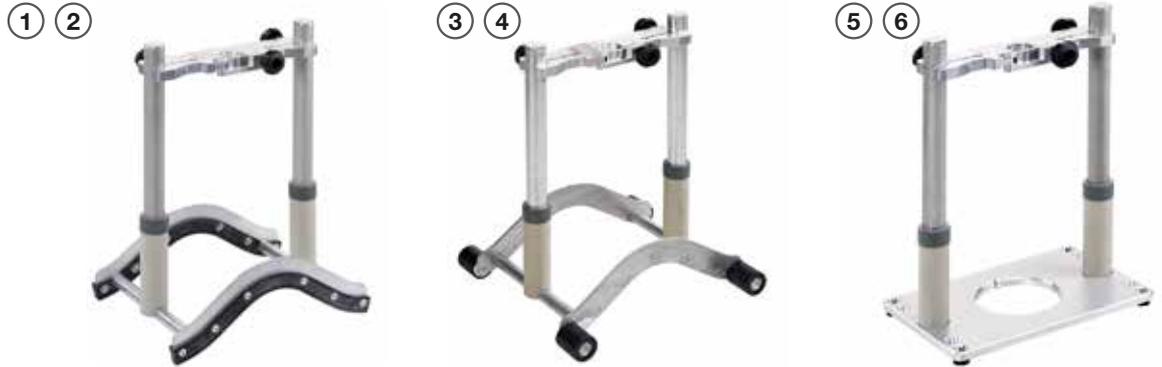


**BST 4 drill stand**  
for right-angled drilling on level surfaces  
**Order-No. BST 4**

Extraction accessories for fine sawdust-free drilling with LB wood core cutter can be found on pages 74 and 75

## DRILL STANDS

### BST



#### Recommended drills

- DIA 200, DIA 300, DIA 303, DIA 52 W, DIA 100 W, DIA 150 W, DIA 300 W, DIA 203 W, DIA 303 W

#### BST 1 · BST 3 applications

- Right-angled and centric drillings in smooth sewer pipes made of concrete and plastic materials

#### BST 2 · BST 5 applications

- Right-angled and centric drillings in corrugated sewer pipes, e.g. made of plastic materials

#### BST 4 · BST 6 applications

- Right-angled drillings on level surfaces, e.g. for railings, heavy-duty anchors, supports
- Right-angled drillings in wood or plastic sheets



#### BST 1 · BST 2 · BST 3 · BST 4 · BST 5 · BST 6 features

- Convenient, adaptable drilling in confined areas
- No additional mounting required, short set-up times
- No pilot drill bit or centring rod required
- No tilting
- Forces and torques largely compensated for by the stand
- Vertically adjustable drill holder for core bits of different length

#### BST 1 · BST 2 · BST 3 · BST 5 additional features

- Optimum support of the drill stand on the sewer time
- Drilling can be carried out even on a level surface
- Precision drilling through the centre axis of the pipe ensures that connecting pipes are completely leakproof

#### BST 4 · BST 6 additional features

- Very small installation area

TECHNICAL DATA	1 · BST 1	2 · BST 3	3 · BST 2	4 · BST 5	5 · BST 4	6 · BST 6
Max. drilling dia.	257 mm	257 mm	257 mm	257 mm	182 mm	182 mm
Stroke	170 mm					
Clamping	dia. 43 mm	dia. 60 mm*	dia. 43 mm	dia. 60 mm*	dia. 43 mm	dia. 60 mm*
Min. outer dia. of sewer pipe	200 mm	200 mm	200 mm	200 mm	-	-
Max. core bit length**	300 mm	300 mm	300 mm	300 mm	350 mm	350 mm
Weight	5.8 kg	5.8 kg	5.8 kg	5.8 kg	7.0 kg	7.0 kg
Order-No.	<b>BST 1</b>	<b>BST 3</b>	<b>BST 2</b>	<b>BST 5</b>	<b>BST 4</b>	<b>BST 6</b>

\* Available reducing rings for the clamping for reduction from dia. 60 mm to dia. 43, 48, 53, 58 mm, Order-No. **BST-RR 43, BST-RR 48, BST-RR 53, BST-RR 58**

\*\* For the use of core bits with length of 500 mm, different column length on request



## HSS CO8 BIMETAL HOLE SAW

### LI



#### LI applications

- Universal use in wood and wood composites, plastic materials, metals and non-ferrous metals, plasterboards and gypsum blocks, cellular concrete and sandwich-structured materials

#### LI features

- Smooth, quiet running, even cutting and quick chip ejection
- Long-lasting cutting lifetime thanks to hard-wearing, sharp toothed blade made of HSS Co8
- High stability due to accurate and tear-resistant welding seam as well as to special alloy hole saw body and robust base plate
- Minimal vibrations thanks to optimised toothing and cutting angle
- Side slots in the hole saw body make drill core ejection easier
- Combination toothing with 4 – 6 teeth per inch
- Total length 46 mm, working length 38 mm

Drilling dia. mm	Order-No.	Drilling dia. mm	Order-No.
14	LI 14	57	LI 57
16	LI 16	59	LI 59
17	LI 17	60	LI 60
19	LI 19	64	LI 64
20	LI 20	65	LI 65
21	LI 21	67	LI 67
22	LI 22	68	LI 68
24	LI 24	70	LI 70
25	LI 25	73	LI 73
27	LI 27	74	LI 74
29	LI 29	76	LI 76
30	LI 30	83	LI 83
32	LI 32	86	LI 86
33	LI 33	89	LI 89
35	LI 35	92	LI 92
37	LI 37	95	LI 95
38	LI 38	98	LI 98
40	LI 40	102	LI 102
41	LI 41	105	LI 105
43	LI 43	108	LI 108
44	LI 44	111	LI 111
46	LI 46	114	LI 114
48	LI 48	121	LI 121
51	LI 51	127	LI 127
52	LI 52	140	LI 140
54	LI 54	152	LI 152



## CARBIDE TIPPED HOLE SAW

### LH



#### LH applications

- Universal use in wood and wood composites, GFRP, Trespa panels, plasterboards and gypsum blocks, cement fibre boards, brick, cellular concrete, wall tiles and sandwich-structured materials

#### LH features

- Significantly longer service life than conventional bimetal hole saws
- Short drilling times
- Longer working length for more flexibility, especially with thicker materials
- Optimal chip removal due to generous chip space
- Low heat development
- Longlasting, best cutting endurance thanks to premium-quality carbide inserts
- Big soldering surfaces
- High stability thanks to special alloy hole saw body and robust base plate
- Total length 64 mm, working length 52 mm



#### Countersink bit

for LH hole saw with drilling dia. 68 mm, carbide tipped, designed for wall-recessed installation of cavity wall boxes in wood and wood composites, etc.

Order-No. LRS

Drilling dia. mm	Order-No.	Drilling dia. mm	Order-No.
16	LH 16	68	LH 68
19	LH 19	70	LH 70
20	LH 20	73	LH 73
22	LH 22	76	LH 76
25	LH 25	79	LH 79
29	LH 29	83	LH 83
30	LH 30	86	LH 86
32	LH 32	89	LH 89
35	LH 35	92	LH 92
38	LH 38	95	LH 95
40	LH 40	102	LH 102
41	LH 41	105	LH 105
44	LH 44	108	LH 108
48	LH 48	111	LH 111
51	LH 51	114	LH 114
54	LH 54	121	LH 121
57	LH 57	127	LH 127
60	LH 60	133	LH 133
64	LH 64	140	LH 140
65	LH 65	152	LH 152
67	LH 67		

## HOLE SAW ARBOR

### AN

① ③



② ④



**AN hole saw arbor** with HSS Co5 pilot drill bit

#### AN applications

- Suitable for all conventional bimetal and carbide tipped hole saws

#### AN features

- Screw the hole saw onto the arbor – it fits easy.  
Safe grip of the hole saw for reliable drilling!



TECHNICAL DATA	1 · AN 1	2 · AN 2	3 · AN 3	4 · AN 4
For hole saws with drilling dia.	14 - 30 mm	32 - 152 mm	14 - 30 mm	32 - 152 mm
For DUSS hole saws	LI	LI	LH	LH
For third-party hole saws with total length	up to 54 mm	up to 54 mm	55 - 66 mm	55 - 66 mm
Hexagon / for chuck	9.5 mm / ≥ 10 mm	11 mm / ≥ 13 mm	9.5 mm / ≥ 10 mm	11 mm / ≥ 13 mm
<b>Order-No.</b>	<b>AN 1</b>	<b>AN 2</b>	<b>AN 3</b>	<b>AN 4</b>

## ACCESSORIES

### AN

①



③



②



<p><b>HSS Co5 pilot drill bit</b> for drilling in wood, wood composites, plastic materials, metals, non-ferrous metals and sandwich-structured materials</p> <p>for hole saw arbor</p> <p>Order-No.</p> <p>1 · AN 1, AN 2      ANZ 1</p> <p>2 · AN 3, AN 4      ANZ 2</p>	<p><b>Carbide tipped pilot drill bit</b> for drilling in mineral materials and stone</p> <p>for hole saw arbor</p> <p>Order-No.</p> <p>3 · AN 3, AN 4      ANZ 3</p>
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#### Extension

for AN 1 and AN 3 hole saw arbor, 300 mm, 9.5 mm hexagon

**Order-No. VLL 1**

for AN 2 and AN 4 hole saw arbor, 300 mm, 11 mm hexagon

**Order-No. VLL 2**

HSS CO8 BIMETAL HOLE SAW · CARBIDE TIPPED HOLE SAW

## HOLE SAW SETS



## HOLE SAW SETS WITH AN HOLE SAW ARBORS

**LI HSS Co8 bimetal hole saw**

drilling dia. 19, 22, 29, 38, 44, 57 mm,  
AN 1 hole saw arbor, AN 2 hole saw arbor  
**Order-No. LI Set SAN**

**LI HSS Co8 bimetal hole saw**

drilling dia. 22, 29, 35, 44, 51, 68, 74 mm,  
AN 1 hole saw arbor, AN 2 hole saw arbor  
**Order-No. LI Set EAN**

**LI HSS Co8 bimetal hole saw**

drilling dia. 22, 29, 35, 44, 51, 65, 83 mm,  
AN 1 hole saw arbor, AN 2 hole saw arbor  
**Order-No. LI Set HAN**

**LI HSS Co8 bimetal hole saw**

drilling dia. 19, 22, 25, 29, 35, 44, 51, 57, 65, 68, 76 mm,  
AN 1 hole saw arbor, AN 2 hole saw arbor  
**Order-No. LI Set UAN**

**LH carbide tipped hole saw**

drilling dia. 19, 22, 29, 35, 44, 51, 57 mm,  
AN 3 hole saw arbor, AN 4 hole saw arbor  
**Order-No. LH Set SAN**

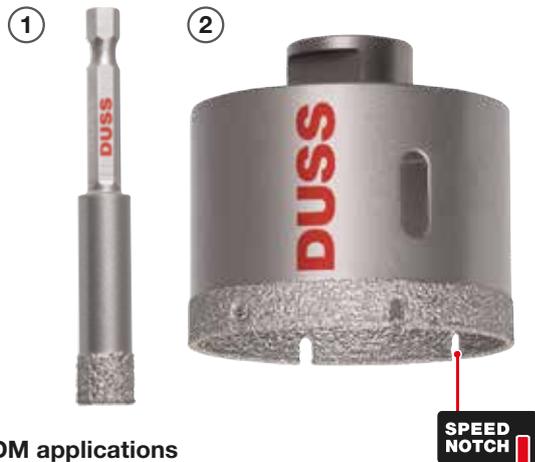
**LH carbide tipped hole saw**

drilling dia. 22, 29, 35, 44, 51, 57, 65, 68 mm,  
AN 3 hole saw arbor, AN 4 hole saw arbor  
**Order-No. LH Set EAN**

**LH carbide tipped hole saw**

drilling dia. 19, 22, 25, 29, 35, 44, 51, 57, 65, 68, 76 mm,  
AN 3 hole saw arbor, AN 4 hole saw arbor  
**Order-No. LH Set UAN**

## LD · LDM



### LD · LDM applications

- Drilling anchor holes
- Installation and assembly works in bathrooms, kitchens and on facades
- Suitable for tiles, stoneware, ceramic, marble, granite
- For rotary drills and cordless drill drivers (only LD)

### LDM additional applications

- Drillings for sockets
- Through holes for pipes
- For angle grinders with M14 thread

### LD · LDM features

- Precise drillings without tearing
- Shortest drilling times
- Prolonged service life
- High quality diamonds
- Dry drilling
- Drilling dia. 6 - 14 mm with wax filling for cooling



### 1 · LD diamond core bit

Drilling dia. mm	Order-No.
6	LD 6
8	LD 8
10	LD 10

### Hexagon 1/4" bit

Drilling dia. mm	Order-No.
12	LD 12
14	LD 14

### 2 · LDM diamond core bit

Drilling dia. mm	Order-No.
6	LDM 6
8	LDM 8
10	LDM 10
12	LDM 12
14	LDM 14
20	LDM 20
25	LDM 25
28	LDM 28
30	LDM 30
32	LDM 32
35	LDM 35
40	LDM 40

### M14 internal

Drilling dia. mm	Order-No.
42	LDM 42
45	LDM 45
50	LDM 50
55	LDM 55
60	LDM 60
65	LDM 65
68	LDM 68
75	LDM 75
82	LDM 82
100	LDM 100
110	LDM 110
120	LDM 120

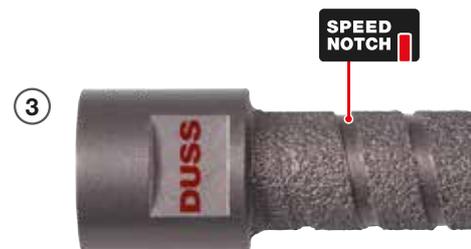
## LDF

### LDF applications

- Routing drillings and holes as well as rounding of edges by dry grinding
- Suitable for tiles, stoneware, ceramic, marble, granite
- For angle grinders with M14 thread

### LDF features

- Rapid work progress
- Prolonged service life
- High quality diamonds
- Dry drilling



### 3 · LDF diamond router bit

Drilling dia. mm	Order-No.
15	LDF 15

### M14 internal

Drilling dia. mm	Order-No.
22	LDF 22

DIAMOND CORE BITS DRY · DIAMOND ROUTER BITS · FOR TILES

## ACCESSORIES

### LD · LDM



**Suction hood**  
for dust-free, dry diamond core drilling in tiles and ceramics (further information can be found on page 86)  
**Order No. ASF**



**Adapter**  
with pilot drill bit, for LDM diamond core bit, for use with chuck, 11 mm hexagon, M14 external  
**Order-No. LDMA**



**Centring aid**  
for LD and LDM diamond core bits with drilling dia. 4 - 12 mm, for accurate drillings on smooth surfaces  
**Order-No. ABH**

## DIAMOND CORE BIT SETS



**LD diamond core bit set**  
5 pieces, drilling dia. 2x 6, 8, 10, 12 mm, for rotary drills and cordless drill drivers, hexagon 1/4" bit, with cooling wax  
**Order-No. LD Set**



**LDM diamond core bit set 1**  
5 pieces, drilling dia. 2x 6, 8, 10, 12 mm, for angle grinders, M14 internal, with cooling wax  
**Order-No. LDM Set 1**



**LDM diamond core bit set 2**  
5 pieces, drilling dia. 20, 35, 42, 55, 68 mm, for angle grinders, M14 internal  
**Order-No. LDM Set 2**



**LDM diamond core bit set 3**  
2 pieces, drilling dia. 35 and 42 mm, for angle grinders, M14 internal  
**Order-No. LDM Set 3**

#### >> Product tip

Accurate, hand-held positioning and drilling of tiles with ABH centring aid with vacuum fixing – no slipping of the bit, no scratches on the tile

## SERVICES

### THERE WHEN YOU NEED US

What defines good service is the availability of all-round support. Whether you need advice, wish to place an order, or talk about delivery or repairs, you can always rely on top-quality support and expert advice from our specialists.

#### Delivery service

By a high level of stock availability and collaborating closely with our logistical contractors, we are able to offer a low-cost, reliable, fast delivery service.



#### Advisory and ordering services

You can obtain expert advice in response to technical enquiries from our experienced sales personnel. On-site advice is available from our authorised dealers. If you wish, we will be only too pleased to give you a product presentation. Your orders will be received by our friendly staff and dealt with immediately. Whether you contact us by phone, fax, e-mail or in person, DUSS will always be there for you.

#### Online information

Please visit our website at [www.duss.de](http://www.duss.de) for quick and easy access to all important information about DUSS, our products, services and current topics.

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DUSS online

# [www.duss.de](http://www.duss.de)

## SERVICES

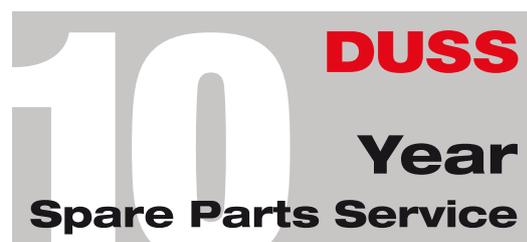
### Tailor-made solutions

Standard machines and accessories are not able to meet all individual requirements. When standard solutions fail to provide precisely what you are looking for, we are happy to help with customised alternatives. We will use our extensive pool of experience to develop, design and produce the right individual solution for your specific application.



### Spare parts service

We guarantee the continuous availability to our customers of all spare parts for the current product range and assure them that we will continue to supply spare parts for at least ten years after the production of the corresponding machine has been discontinued. As a rule, our great vertical depth of production ensures a reliable supply of spare parts over many years.



### Repair service

Our authorised DUSS service workshops ensure that your DUSS machine will be expertly repaired locally, in the minimum of time.

We expressly point out that repairs may only be carried out by a qualified electrician.

### CE conformity

Our products comply with the actual valid standards and normative documents.

DUSS service phone

**+49 7053 96 92-0**

### VALUE RETENTION

The right attention is vital to maximizing the service life of your DUSS machines. Regular care and maintenance impact positively on performance, handling and service life.



#### **Special grease**

for regreasing insertion ends with hexagon, SDS-plus and SDS-max shank

Special grease tube, 75 ml

**Order-No. 780**



#### **Dry lubricant spray**

for the highly effective lubrication of core bit holders, insertion ends of centring aids and sliding components on drill stands, high wear protection, very good creep properties

Spray can 100 ml

**Order-No. TS**

## DUSS

**DUSS Original  
Tools · Accessories  
Quality from a single source**

#### **Quality from a single source**

DUSS original tools and accessories are ideally coordinated to our machines – for maximum output, efficiency and safety.

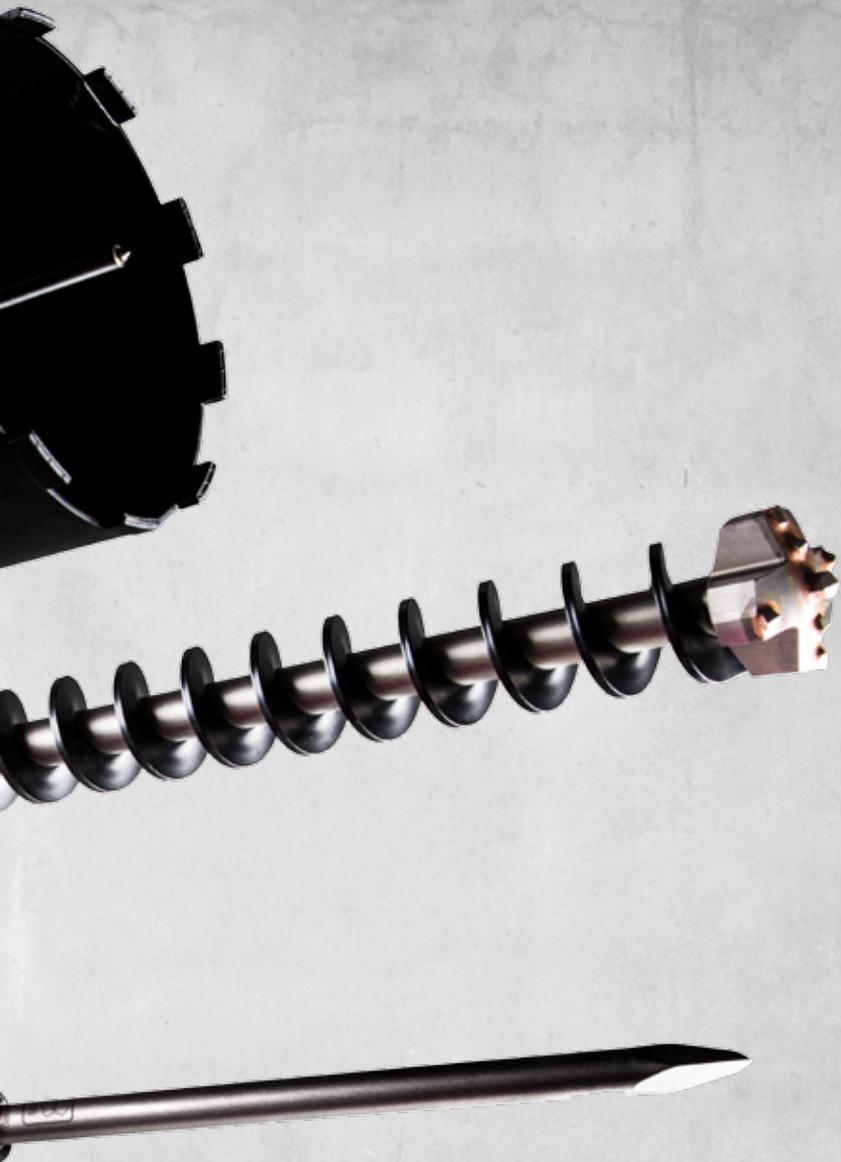




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08/2020

# DUSS



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MADE IN GERMANY**