



RZ  
Medizintechnik  
GmbH

*Progress in Surgery*

CHOOSE  
YOUR  
SHAPE



AES

ORTHOPEDICS

CS

## STANDARD SCISSORS

**1**  
Messerschiff und Mikroverzahnung für feine,  
minimal traumatisierende Schnitte.  
Special sharpening and micro teeth for fine,  
minimally traumatising cuts.

**2**  
Matt/satin finish

**3**  
Große Ringe unterstützen  
ermüdungsfreies Arbeiten  
Large bows support  
fatigue-proof working



# STANDARD

## TC SCISSORS

**1**  
Abgeflachte Spitze für leichtere Gewebe-Dissektion  
Bevelled tip for easy tissue dissection

**2**  
Spezierschiff und Mikroverzahnung für feine, minimal  
traumatisierende Schnitte  
Special edge and micro serration for fine, minimally  
traumatising incisions

**3**  
Zusätzlicher Anschlag einer Blattrückseite für präzisere Präparation  
und bessere Sicht. Eingeschweißte Hartmetallschneiden.  
Bevelled blade for precise dissection, better vision. Welded tungsten  
carbide inserts

**4**  
Kennzeichen: RZ TC Scheren, goldene Ringgriffe in Hochglanz  
Characteristics: RZ TC scissors, gold rings in mirror finish



# TC SCISSORS



## SUPER CUT SCISSORS

- 1**  
Rasierklingen Mikroverzahnung für feine, minimal traumatisierende Schnitte.  
Ein gezahntes Blatt.  
Razor blade edge, Micro serration for fine, minimally traumatising incisions.  
One blade with serrations.
- 2**  
Zusätzlicher Anschlag einer Blattrückseite für präzisere Präparation und bessere Sicht.  
Bevelled blade for precise dissection, better vision.
- 3**  
Hochglanz / Mirror finish
- 4**  
Kennzeichen: RZ Super Cut Scheren, schwarze Ringgriffe  
Characteristic: RZ Super Cut Scissors, black rings



# SUPER CUT

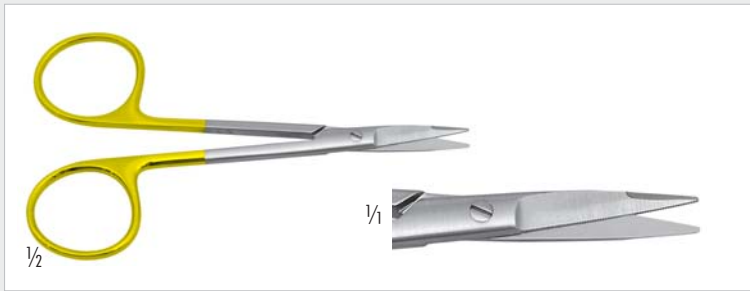
## CERACUT® SCISSORS

- 1**  
Messerschleif und Mikroverzahnung für feine, minimal traumatisierende Schnitte.  
Special sharpening and micro teeth for fine, minimally traumatising cuts.
- 2**  
Zusätzlicher Anschlag einer Blattrückseite für präzisere Präparation und bessere Sicht.  
Bevelled blade for precise dissection, better vision.
- 3**  
Mattierte, blendfreie Keramikbeschichtung mit hoher Oberflächenhärte für hervorragende Gleitfähigkeit bei langer Standzeit.  
Satin finished, non-reflecting ceramic coating with high surface's hardness for an excellent sliding for long lifetime.
- 4**  
Große Ringe unterstützen ermüdungsfreies Arbeiten  
Large bows support fatigue-proof working

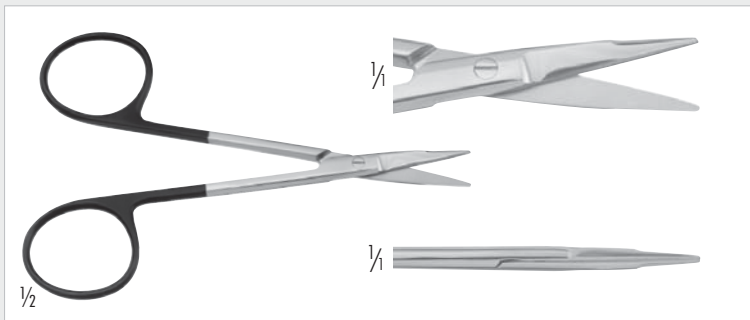


# CERACUT

PRÄPARIERSCHEREN/DISSECTING SCISSORS



120-323-110  
**PAR**  
 TC Schere, gerade, 110 mm  
 TC Scissors, straight, 4 1/3 inch



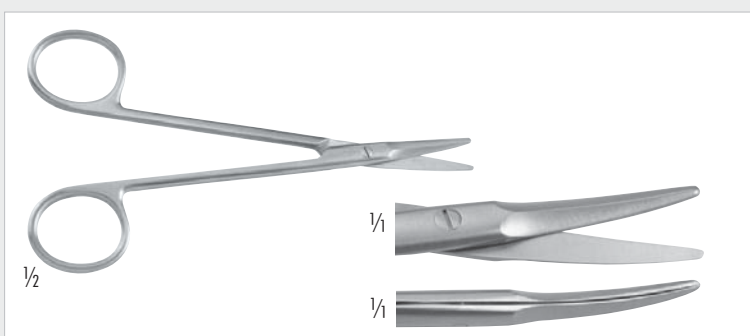
121-330-110 gerade/straight  
 121-331-110 gebogen/curved  
**PAR**  
 SC Schere, 110 mm  
 SC Scissors, 4 1/3 inch



120-593-115  
**GREENBERG-PAR**  
 TC Schere, leicht gebogen, 115 mm  
 TC Scissors, slightly curved, 4 1/2 inch



120-141-120  
**SHEA**  
 Präparierschere, gebogen, spitz, 120 mm  
 Dissecting Scissors, curved, pointed, 4 3/4 inch



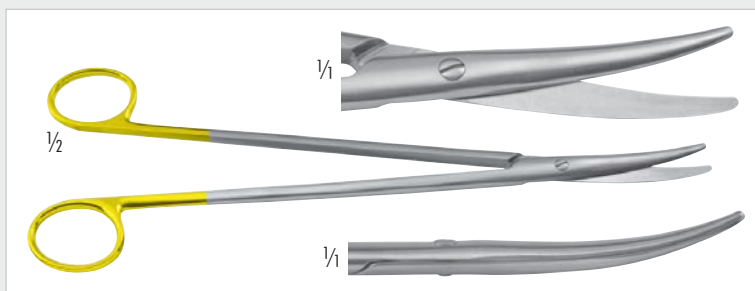
120-283-130  
**REES**  
 Bulldog Schere, leicht gebogen, 130 mm  
 Bulldog Scissors, slightly curved, 5 inch



120-283-140  
**BEUS-JOSEPH**  
 Schere, S-Form, 140 mm  
 Scissors, S-shape, 5 1/2 inch



## PRÄPARIERSCHEREN/DISSECTING SCISSORS

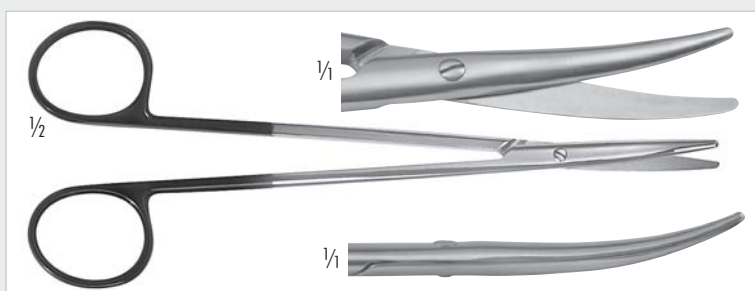


120-511-145 145 mm/5 3/4 inch  
 120-511-180 180 mm/7 inch  
 120-511-200 200 mm/8 inch  
 120-511-230 230 mm/9 inch

### **METZENBAUM**

**TC** Präparierschere, gebogen

**TC** Dissecting Scissors, curved

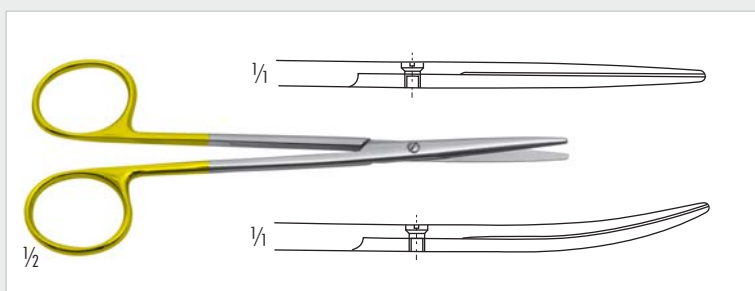


121-111-145 145 mm/5 3/4 inch  
 121-111-180 180 mm/7 inch  
 121-111-200 200 mm/8 inch  
 121-111-230 230 mm/9 inch

### **METZENBAUM**

**SC** Präparierschere, gebogen

**SC** Dissecting Scissors, curved

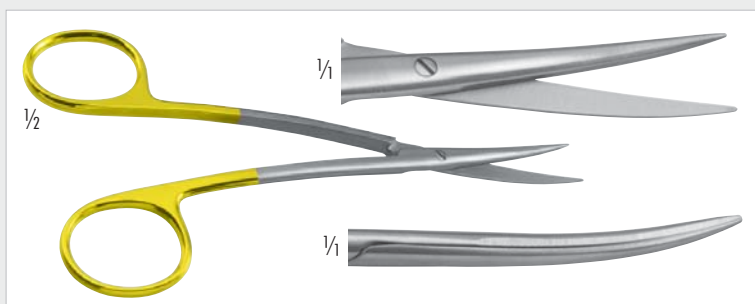


120-520-145 gerade/ straight  
 120-521-145 gebogen/curved

### **METZENBAUM-FINO**

**TC** Präparierschere, 145 mm

**TC** Dissecting Scissors, 5 3/4 inch

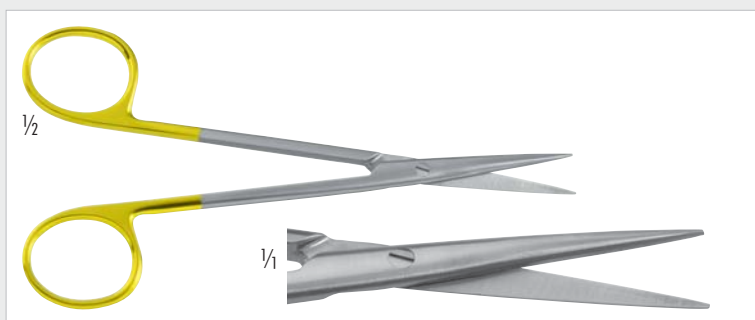


120-527-145

### **METZENBAUM-FINO**

**TC** Schere, S-Form, spitz, gebogen, 145 mm

**TC** Scissors, S-Shape, pointed, curved, 5 3/4 inch



120-514-145

### **METZENBAUM**

**TC** Schere, spitz, gerade, 145 mm

**TC** Scissors, pointed, straight, 5 3/4 inch



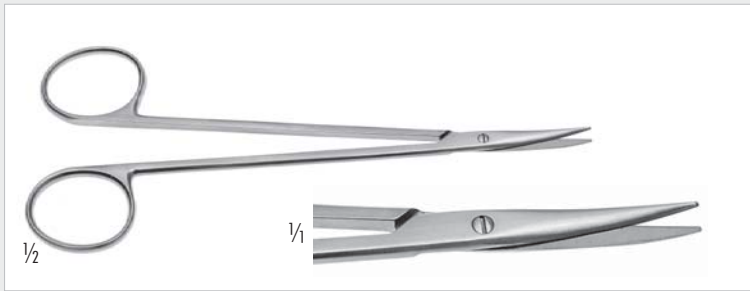
121-317-110 110 mm/4 1/3 inch  
 121-317-145 145 mm/5 3/4 inch

### **METZENBAUM-BABY**

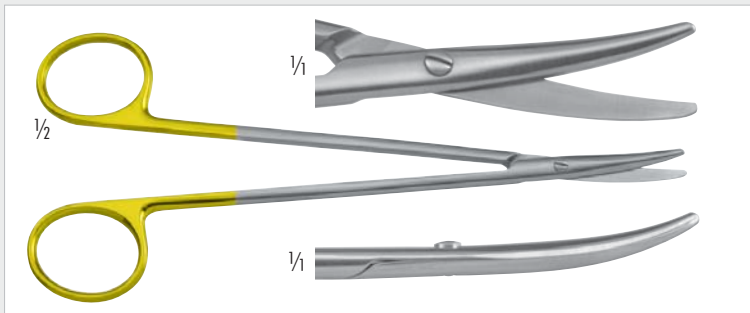
**SC** Schere, gebogen

**SC** Scissors, curved

PRÄPARIERSCHEREN/DISSECTING SCISSORS



120-121-150  
Nerven Präparierschere, spitz, gebogen, 150 mm  
Nerve Dissecting Scissors, pointed, curved, 6 inch



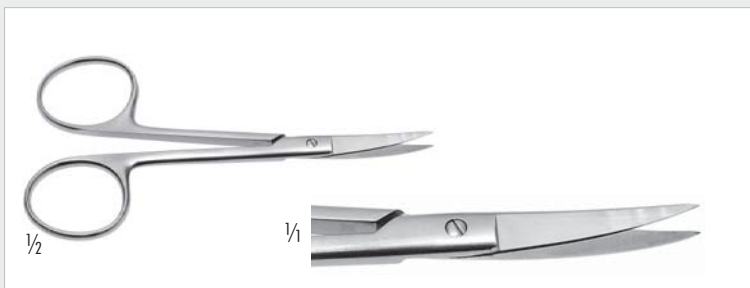
120-531-170  
**TOENNIS-ADSON**  
TC Präparierschere, gebogen, 170 mm  
TC Dissecting Scissors, curved, 6 3/4 inch



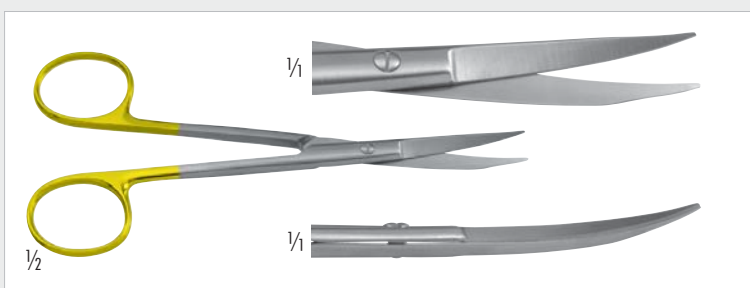
121-319-170  
**TOENNIS-ADSON**  
SC Präparierschere, gebogen, 170 mm  
SC Dissecting Scissors, curved, 6 3/4 inch



121-320-180  
**ENDARTERECTOMY**  
SC Präparierschere, gebogen, 180 mm  
SC Dissecting Scissors, curved, 7 inch



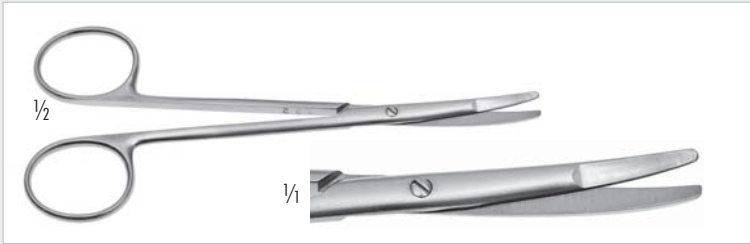
120-079-105  
**SEALY**  
Schere, gebogen, spitz, 105 mm  
Scissors, curved, pointed, 4 1/4 inch



120-967-130  
**GOLDMAN-FOX**  
TC Schere, gezahnte Schneiden, gebogen, 130 mm  
TC Scissors, serrated blades, curved, 5 inch



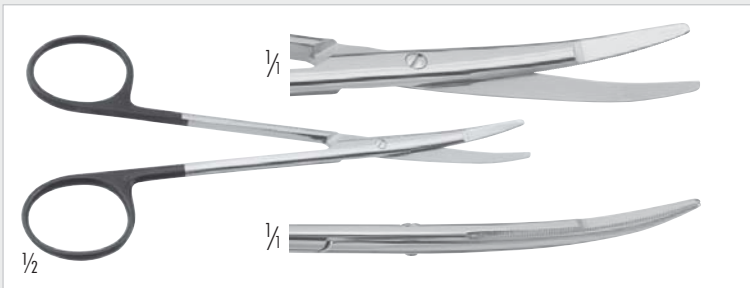
## PRÄPARIERSCHEREN/DISSECTING SCISSORS



120-065-130

**RAGNELL**

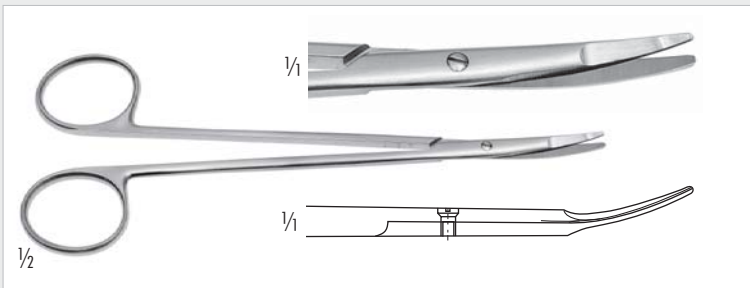
Unterminier- und Präparierschere, leicht gebogen, 130 mm  
Undermining- and Dissecting Scissors, slightly curved, 5 inch



121-065-130

**RAGNELL**

SC Unterminier- und Präparierschere, leicht gebogen, 130 mm  
SC Undermining- and Dissecting Scissors, slightly curved, 5 inch



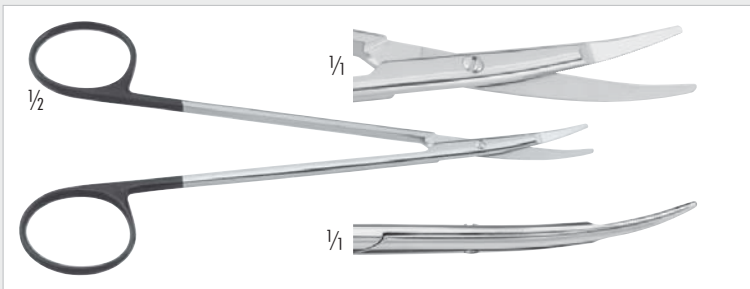
120-065-150 150 mm/6 inch

120-065-180 180 mm/7 inch

120-065-200 200 mm/8 inch

**RAGNELL (KILNER)**

Unterminier- und Präparierschere, gebogen  
Undermining- and Dissecting Scissors, curved



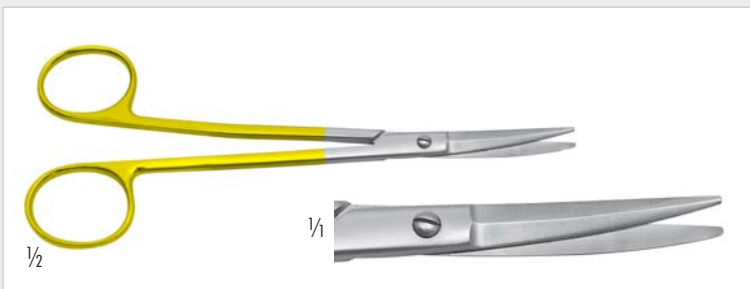
121-332-150 150 mm/6 inch

121-332-180 180 mm/7 inch

121-332-200 200 mm/8 inch

**RAGNELL (KILNER)**

SC Unterminier- und Präparierschere, gebogen  
SC Undermining- and Dissecting Scissors, curved



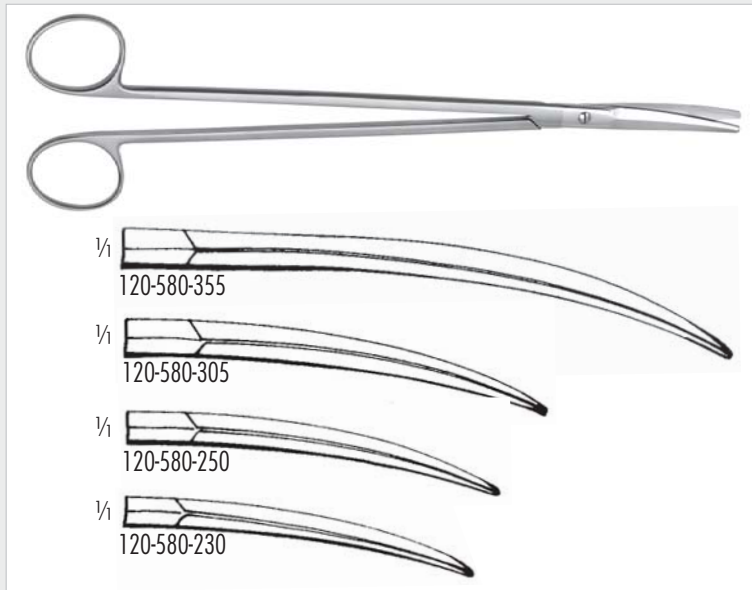
122-561-140

**PECK-JOSEPH**

TC-SC Präparierschere, gebogen, 140 mm  
TC-SC Dissecting Scissors, curved, 5 1/2 inch



## PRÄPARIERSCHEREN/DISSECTING SCISSORS



|             |                |
|-------------|----------------|
| 120-580-230 | 230 mm/9 inch  |
| 120-580-250 | 250 mm/10 inch |
| 120-580-305 | 305 mm/12 inch |
| 120-580-355 | 355 mm/14 inch |

### WALDEN-MARSHALL

Brust Präparierschere gebogen mit doppelseitig schneidenden Blättern. Die verfügbaren Längen gewährleisten einen geeigneten Zugang unter der Achselhöhle bei einer Brustvergrößerung.

Breast dissection scissors with double-sided cutting edges, curved.

The different lengths provide adequate access when using a transaxillary approach for breast augmentation.

## FREEMAN STYLE

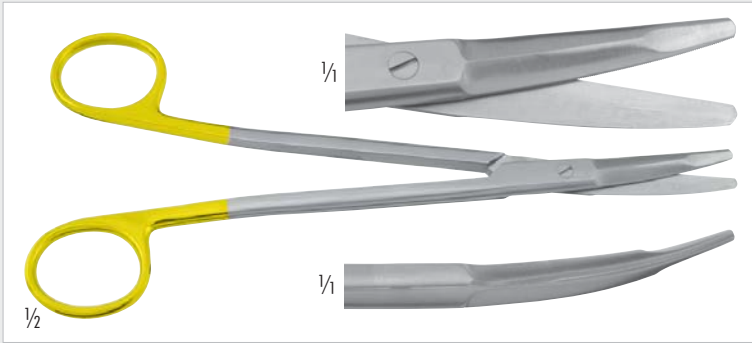
Aufgewinkelte Branchen für ermüdungsfreies Arbeiten

Splayed Shanks support fatigue-proof working





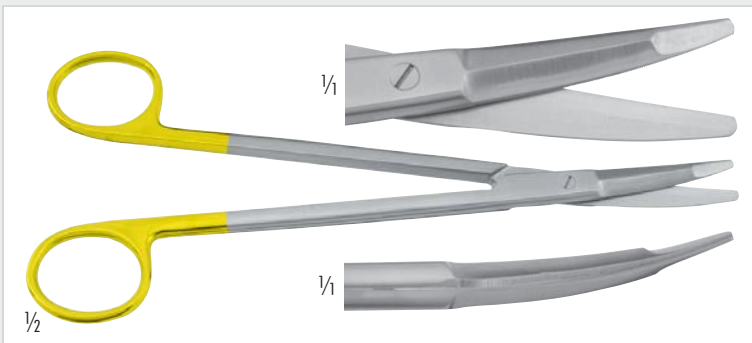
FACELIFT-SCHEREN/FACE LIFT SCISSORS



- 120-572-190 gerade, 190 mm/straight, 7 1/2 inch
- 120-572-230 gerade, 230 mm/straight, 9 inch
- 120-573-190 gebogen, 190 mm/curved, 7 1/2 inch
- 120-573-230 gebogen, 230 mm/curved, 9 inch

**GORNEY-FREEMAN**

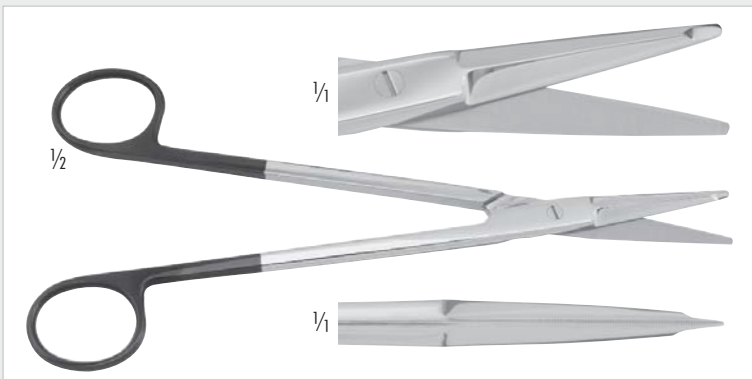
- TC** Rhytidektomie Schere, mit aufgewinkelten Branchen
- TC** Rhytidectomy Scissors, with splayed shanks



- 120-584-190 gerade, 190 mm/straight, 7 1/2 inch
- 120-584-230 gerade, 230 mm/straight, 9 inch
- 120-585-190 gebogen, 190 mm/curved, 7 1/2 inch
- 120-585-230 gebogen, 230 mm/curved, 9 inch

**GORNEY**

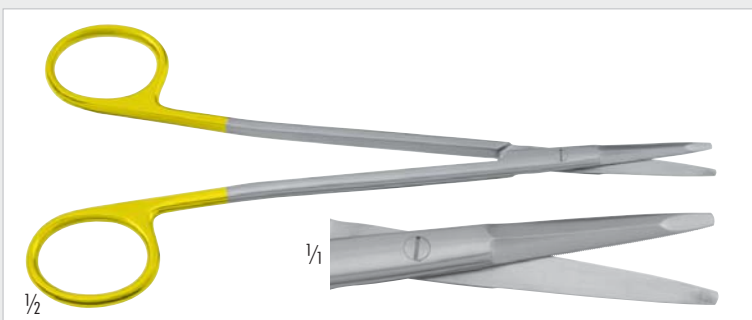
- TC** Rhytidektomie Schere
- TC** Rhytidectomy Scissors



- 121-336-185 gerade, 185 mm/straight, 7 1/4 inch
- 121-337-185 gebogen, 185 mm/curved, 7 1/4 inch

**GORNEY**

- SC** Rhytidektomie Schere
- SC** Rhytidectomy Scissors



120-310-180

**KAYE-FREEMAN**

- TC** Rhytidektomie Schere, gerade, mit aufgewinkelten Branchen, 180 mm
- TC** Rhytidectomy Scissors, straight, with splayed shanks, 7 inch



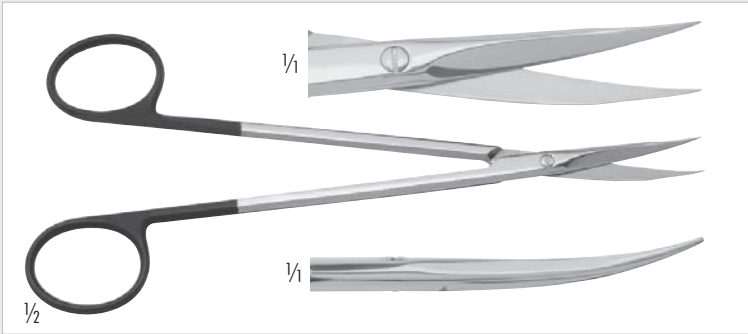
120-311-180

**KAYE-FREEMAN**

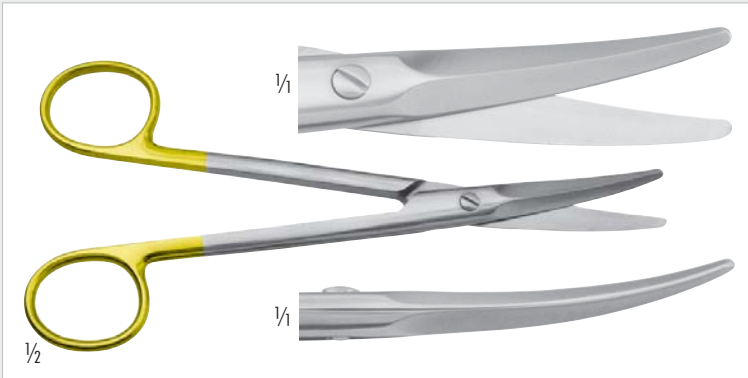
- TC** Rhytidektomie Schere, gebogen, mit aufgewinkelten Branchen, 180 mm
- TC** Rhytidectomy Scissors, curved, with splayed shanks, 7 inch



FACELIFT-SCHEREN/FACE LIFT SCISSORS



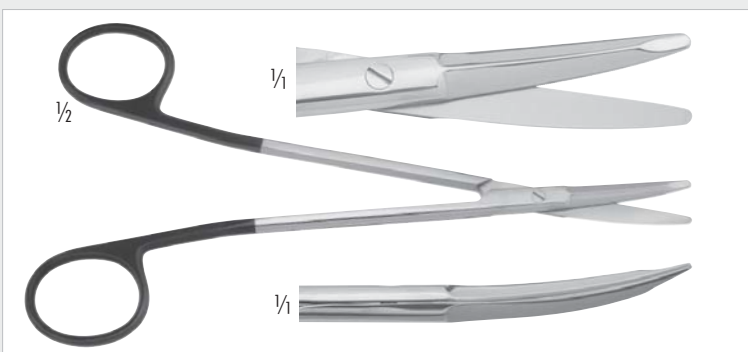
121-313-170  
**DAVIS**  
**SC** Rhytidectomy Schere, gebogen,  
 45 mm von Schraubenmitte bis zur Spitze, 180 mm  
**SC** Rhytidectomy Scissors, curved,  
 45mm from mid-screw till tip, 7 inch



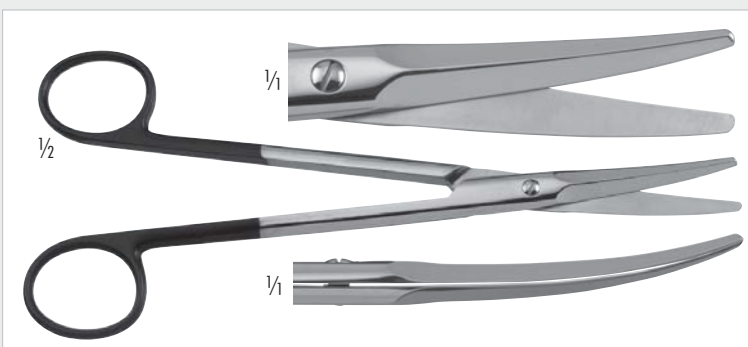
120-511-170  
**KAYE**  
**TC** Facelift-Schere, gebogen, gerieft,  
 äußere Blattseite halbscharf, 170 mm  
**TC** Face Lift Scissors, curved (semi-sharp outer edges),  
 serrated 6 2/3 inch



120-511-190  
**KAYE**  
**TC** Facelift-Schere, gebogen, 190 mm  
**TC** Face Lift Scissors, curved, 7 1/2 inch



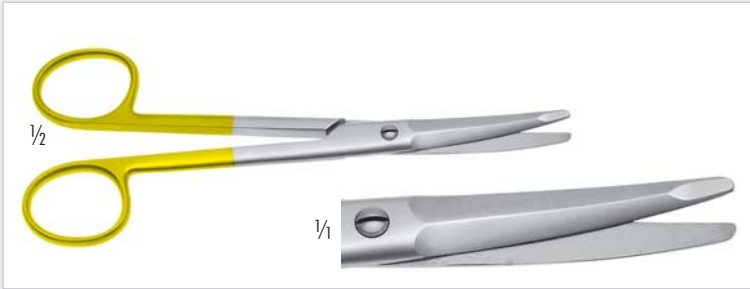
121-311-180  
**KAYE-FREEMAN**  
**SC** Facelift-Schere, gebogen, mit aufgewinkelten Branchen, 180 mm  
**SC** Face Lift Scissors, curved, with splayed shanks, 6 inch



121-311-190 gebogen, 190 mm/curved, 7 1/2 inch  
 121-311-230 gebogen, 230 mm/curved, 9 inch  
 121-310-190 gerade, 190 mm/straight, 7 1/2 inch  
 121-310-230 gerade, 230 mm/straight, 9 inch  
**KAYE**  
**SC** Facelift-Schere  
**SC** Face Lift Scissors



## FACELIFT-SCHEREN/FACE LIFT SCISSORS

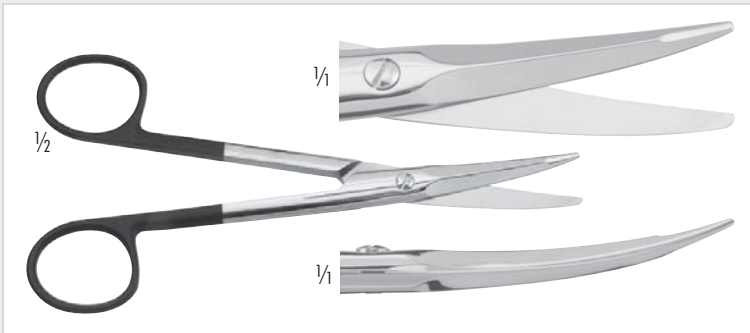


120-575-145

**AUFRICHT**

TC Schere, gebogen, 145 mm

TC Scissors, curved, 5 3/4 inch

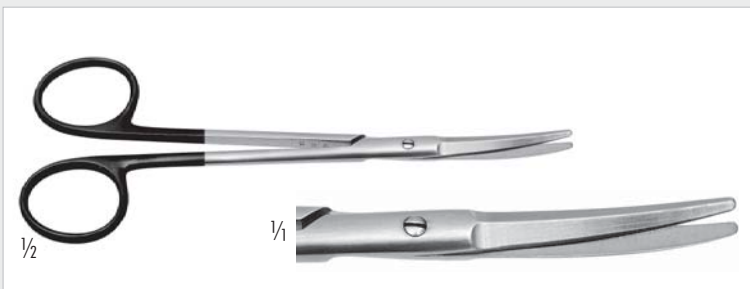


121-575-145

**AUFRICHT**

SC Schere, gebogen, 145 mm

SC Scissors, curved, 5 3/4 inch



121-137-145

**KAHN**

SC Facelift-Schere, gebogen, 145 mm

SC Face Lift Scissors, curved, 5 3/4 inch



121-139-135

**FOMON-SABER**

SC Facelift-Schere, gebogen, 135 mm

SC Face Lift Scissors, curved, 5 3/8 inch



120-173-180

**DAVIS**

Facelift-Schere mit gezahnten Schneiden, gebogen, 180 mm

Face Lift Scissors with serrated blades, curved, 7 inch



120-209-180

**BOETTCHER**

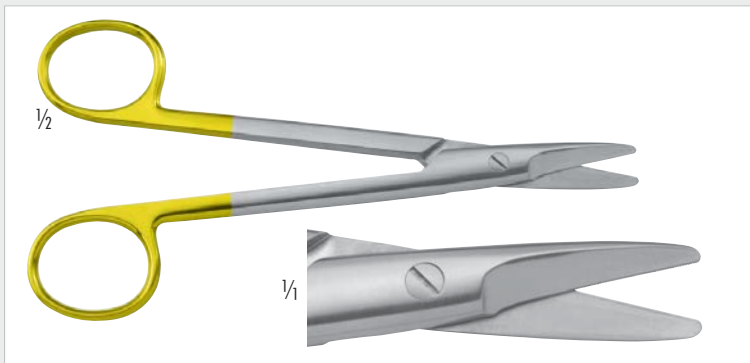
Schere, gebogen, 180 mm

Scissors, curved, 7 inch

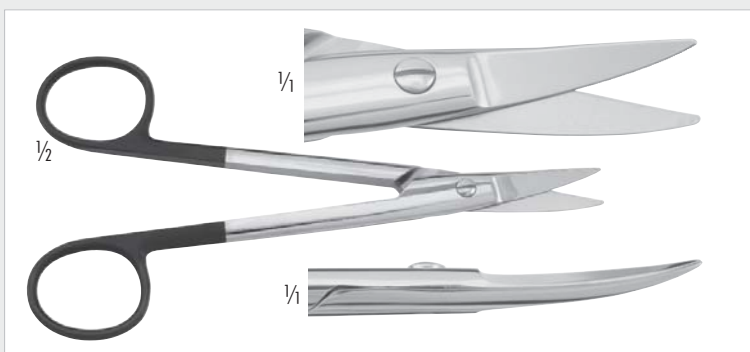
FACELIFT-SCHEREN/FACE LIFT SCISSORS



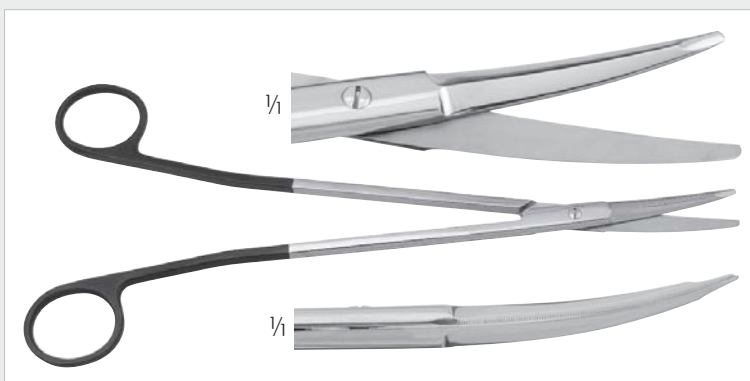
120-338-160  
**CASTANARES**  
 Facelift-Schere, gerade, 160 mm  
 Face Lift Scissors, straight, 6 1/3 inch



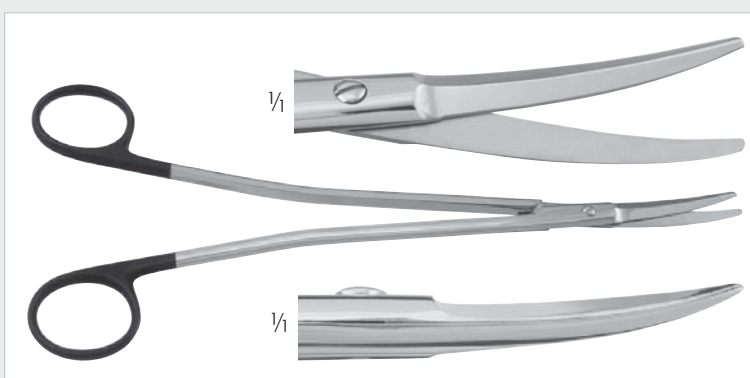
120-538-160  
**CASTANARES**  
**TC** Facelift-Schere, gerade, 160 mm  
**TC** Face Lift Scissors, straight, 6 1/3 inch



121-312-160  
**CASTANARES**  
**SC** Facelift-Schere, gebogen, 160 mm  
**SC** Face Lift Scissors, curved, 6 1/3 inch



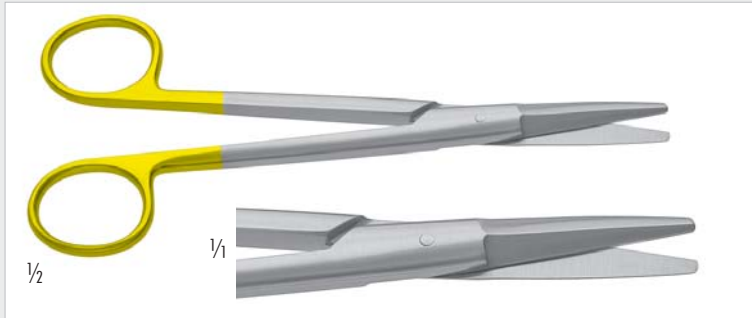
121-337-230  
**GORNEY-FREEMAN**  
**SC** Halsmuskel Schere, gebogen, aufgewinkelte Branchen, 230 mm  
**SC** Platysma Scissors, curved, with black rings, serrated, splayed shanks, 9 inch



121-339-230  
**GORNEY-FREEMAN**  
**SC** Halsmuskel Schere, doppelt gebogen, gezahnt, aufgewinkelte Branchen, 230 mm  
**SC** Platysma Scissors, double curved, with black rings, serrated, splayed shanks, 9 inch



## FACELIFT-SCHERE/FACE LIFT SCISSORS

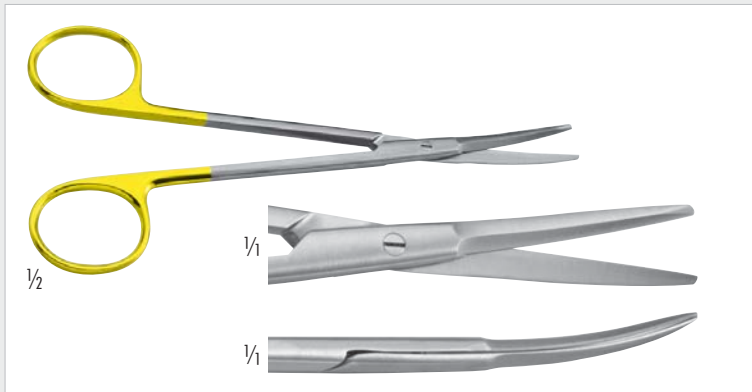


120-574-170

**TESSIER**

**TC** Schere, gerade, 170 mm

**TC** Scissors, straight, 6  $\frac{3}{8}$  inch

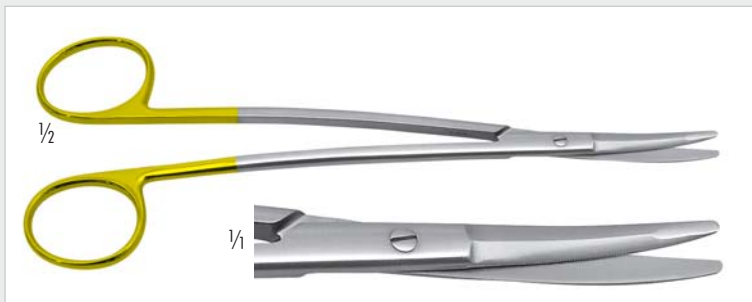


120-591-140

**GREGORY**

**TC** Facelift-Schere, leicht gebogen, 140 mm

**TC** Face Lift Scissors, slightly curved, 5  $\frac{1}{2}$  inch



120-595-180

**STELLA**

**TC** Facelift-Schere, S-Form, 180 mm

**TC** Face Lift Scissors, S-shape, 7 inch

**Z FACELIFT-SCHERE**

Hierfür wurde eine Operationsmethode entwickelt - das Superficial Adipocutaneous Facelift System. Spezielle Instrumente – ähnlich Scheren, deren Spitze mit einem Spatel enden – werden eingesetzt, um im Gesicht die adipöse Fettschicht von der fibromuskulären Schicht zu trennen.

Die Z Facelift-Scheren wurden konzipiert, um jene Hauttrennung zu vereinfachen. Während der Operation spreizen sie das Gewebe so auseinander, dass jegliches Trauma vermieden wird; es besteht weder die Gefahr einer Gefäßneubildung der Haut noch einer Muskelinnervation.

Absenkungen weichen Gesichtsgewebes zwischen der Muskelschicht und der subkutanen Fettschicht, die eine schwache Ebene bilden, können problemlos durch Spreizen der Schere geöffnet werden. Die Gewebetrennung erfolgt immer auf der gleichen Ebene: beginnend an der unteren Schläfe, wird sie in Richtung Nacken ausgedehnt und sorgt so dafür, dass eine relativ dicke Fettschicht an der Haut erhalten bleibt.

Während des Faceliftings, jedoch vor der Hauttrennung, wird in der gleichen Operation eine Eigenfettinjizierung vorgenommen; Hauttrennung und Eigenfettinjizierung werden aufeinander abgestimmt. Vor der Injektion des Anästhetikums werden die Stellen im Gesicht angezeichnet, an denen das Eigenfett injiziert werden soll. Der Patient befindet sich hierfür in einer aufrechten Position. Die Eigenfettinjizierung erfolgt vor dem Facelift und wird für gewöhnlich an folgenden Stellen vorgenommen: Schläfe, Stirn und Glabella, Augenbraue und Ober- sowie Unterlid, Backe, Kinn und Marionettenfalte sowie Unterkiefer.

Nun wird die Trennung des Superficial Adipocutaneous Systems vorgenommen. Hierbei wird jedoch nur bis zur Stelle der Eigenfettinjizierung vorgedrungen und somit das transplantierte Fett nicht tangiert. Auf diese Art und Weise beansprucht das Facelift selbst sehr viel weniger Zeit. Die Backenregion erhält gewöhnlicherweise eine so gute Form, dass eine weitere Hauttrennung nicht notwendig ist. Ein jugendliches Gesicht hat seine eigene charakteristische Form und Hautton. Techniken, die nur die Haut straffen, rufen bisweilen ein eigenartiges Ergebnis hervor: die Straffheit der Jugend wird hervorgehoben, nicht jedoch deren Rundheit erreicht.

Das Superficial Adipocutaneous Facelift System verbunden mit der Eigenfettinjizierung verleiht dem Gesicht Form und strafft die Haut.

**Z FACELIFT SCISSORS**

A procedure known as the Superficial Adipocutaneous Facelift System has been developed to this end. Special instruments, resembling scissors ending with spatulas at their tip, are used to separate the adipocutaneous layer and the fibromuscular layer on the face. These scissors are designed to ease the undermining, and when operated, they spread the tissues apart without causing trauma. Neither skin vascularisation nor muscle innervation is at risk.

Facial soft tissues sag between the muscular layer and the subcutaneous fat layer, creating the weak plane, which is easily opened by the spreading scissors. The dissection is extended from the sideburn area to the base of the neck, always in the same plane, and it preserves a relatively thick layer of fat attached to the skin.

A liposuction is done during the same operative session as the facelift, but before the undermining, and the undermining is adapted to the liposuction. Before anaesthesia is administered, the locations where the fat will be infiltrated are drawn on the face while the patient is in an upright position. The liposuction is performed before the facelift, usually in the following locations: temporal area, frontal and glabellar areas, eyebrow and upper lid, malar and lower lid, chin and marionette, and the mandibular border.

The sub-superficial adipocutaneous system undermining is then performed, stopping where the liposuction begins to leave the grafted fat undisturbed. This way, the facelift itself takes much less time. The malar zone is usually so nicely re-shaped that less undermining is necessary.

A youthful face has a distinct shape and skin tone. With techniques that only tighten, the results sometimes appeared strange because they exhibited the tightness of youth without the roundness. The Superficial Adipocutaneous Facelift System combined with liposuction reshapes the face as well as tightening the skin.



121-091-180  
**Z FACELIFT**  
Schere, 15 mm, 180 mm  
Scissors, 15 mm, 7 inch

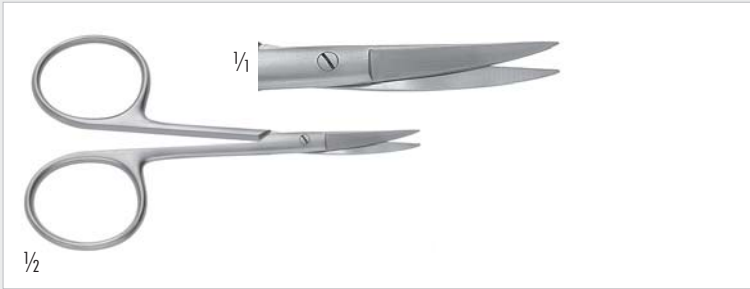


121-092-180  
**Z FACELIFT**  
Schere, 25 mm, 180 mm  
Scissors, 25 mm, 7 inch





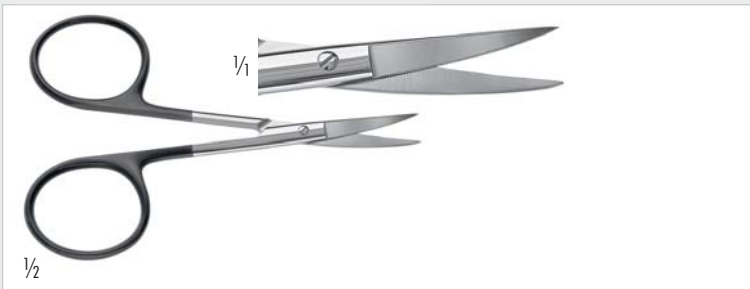
## IRIS SCHEREN/IRIS SCISSORS



120-081-100

**IRIS**

Schere mit großen Ringen, gebogen, spitz, 100 mm  
Scissors with large bows, curved, pointed, 4 inch



121-081-100

**IRIS**

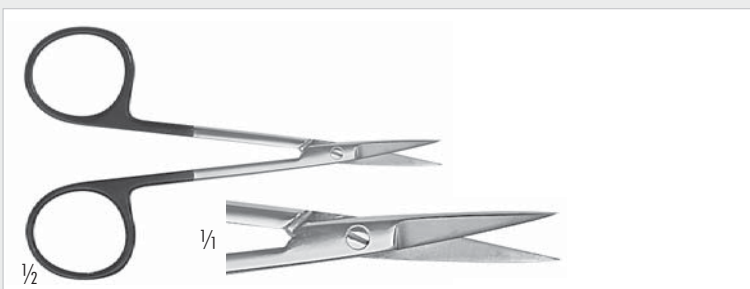
**SC** Schere mit großen Ringen, gebogen, spitz 100 mm  
**SC** Scissors with large bows, curved, pointed, 4 inch



120-083-100 gebogen, 100 mm/curved, 4 inch  
120-082-100 gerade, 100 mm/straight, 4 inch

**IRIS**

Schere mit großen Ringen  
Scissors with large bows



121-070-110 gerade/straight  
121-071-110 gebogen/curved

**IRIS**

**SC** Schere, 110 mm  
**SC** Scissors, 4 1/3 inch

## IRIS SCHEREN/IRIS SCISSORS



120-080-095 gerade/straight  
120-081-095 gebogen/curved

### IRIS

Schere mit Ribbon Handgriff, 95 mm  
Scissors with Ribbon handle, 3 3/4 inch



120-078-105 gerade, spitz /straight, pointed  
120-083-105 gebogen, spitz /scurved, pointed

### IRIS

Schere mit Ribbon Handgriff, 105 mm  
Iris Scissors with Ribbon handle, 4 1/8 inch



120-080-090 gerade, 90 mm/straight, 3 1/2 inch  
120-081-090 gebogen, 90 mm/curved, 3 1/2 inch  
120-080-115 gerade, 115 mm/straight, 4 1/2 inch  
120-081-115 gebogen, 115 mm/curved, 4 1/2 inch

### IRIS

Schere, mit Ribbon Handgriff  
Scissors, with Ribbon handle



120-073-080

### BONN

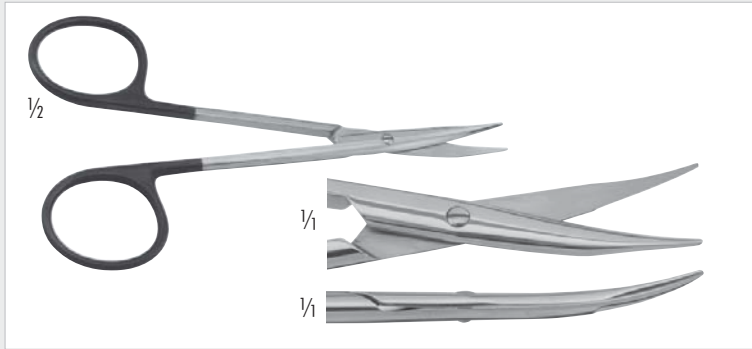
feine Schere, extra feine Schneiden, gebogen, 80 mm  
delicate Scissors, extra delicate blades, curved, 3 1/4 inch



120-078-100

Fadenschere mit Ribbon Handgriff, leicht gebogen, 100 mm  
Stitch Removal Scissors with Ribbon handle, slight curved, 4 inch

SEHNENSCHEREN/TENOTOMY SCISSORS

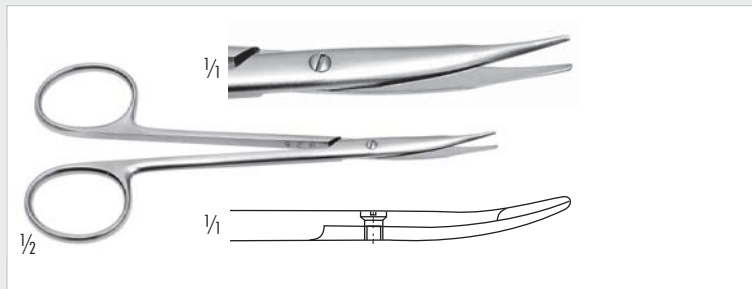


121-012-125

**STEVENS**

SC Sehnnenschneideschere, gebogen, mit großen Ringen, 125 mm

SC Tenotomy Scissors, curved, with large bows, 5 inch



120-092-125 gerade/straight

120-093-125 gebogen/curved

**STEVENS**

Sehnen Schere, stumpf, 125 mm

Tenotomy Scissors, blunt, 5 inch



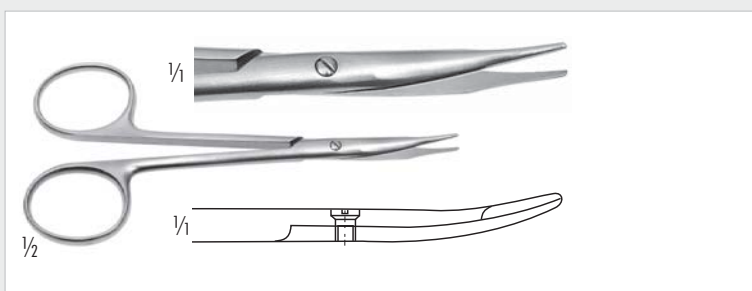
121-092-125 gerade/straight

121-093-125 gebogen/curved

**STEVENS**

SC Sehnen Schere, stumpf, 125 mm

SC Tenotomy Scissors, blunt, 5 inch



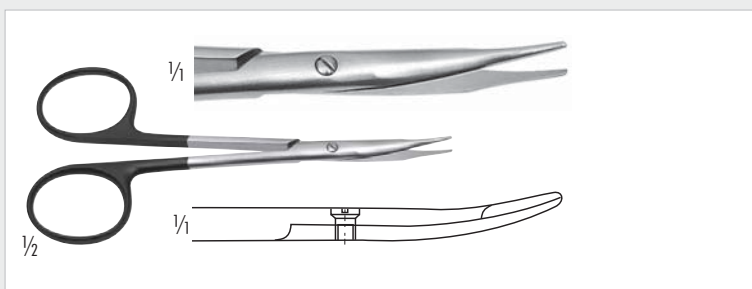
120-092-115 gerade/straight

120-093-115 gebogen/curved

**STEVENS**

Sehnen Schere, stumpf, 115 mm

Tenotomy Scissors, blunt, 4 1/2 inch



121-092-115 gerade/straight

121-093-115 gebogen/curved

**STEVENS**

SC Sehnen Schere, stumpf, 115 mm

SC Tenotomy Scissors, blunt, 4 1/2 inch

## SEHNENSCHEREN/TENOTOMY SCISSORS



120-093-105

**STEVENS**

Sehnen Schere, gebogen, stumpf, 105 mm  
Tenotomy Scissors, curved, blunt, 4 1/8 inch



121-093-105

**STEVENS**

SC Sehnen Schere, gebogen, stumpf, 105 mm  
SC Tenotomy Scissors, curved, blunt, 4 1/8 inch



120-091-095

**STEVENS**

Sehnen Schere mit Ribbon Handgriff, gebogen, spitz, 95 mm  
Tenotomy Scissors with Ribbon Handle, curved, pointed, 3 3/4 inch



121-091-095

**STEVENS**

SC Sehnen Schere mit Ribbon Handgriff, gebogen, spitz, 95 mm  
SC Tenotomy Scissors with Ribbon Handle, curved, pointed, 3 3/4 inch



120-099-100

**STEVENS**

Sehnen Schere mit Ribbon Handgriff, gebogen, stumpf, 100 mm  
Tenotomy Scissors with Ribbon Handle, curved, blunt, 4 inch

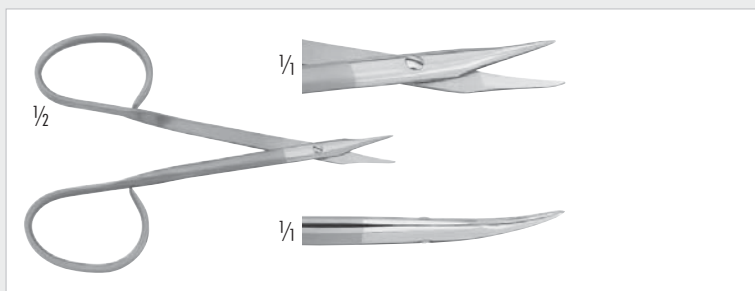


121-099-100

**STEVENS**

SC Sehnen Schere mit Ribbon Handgriff, gebogen, stumpf, 100 mm  
SC Tenotomy Scissors with Ribbon Handle, curved, blunt, 4 inch

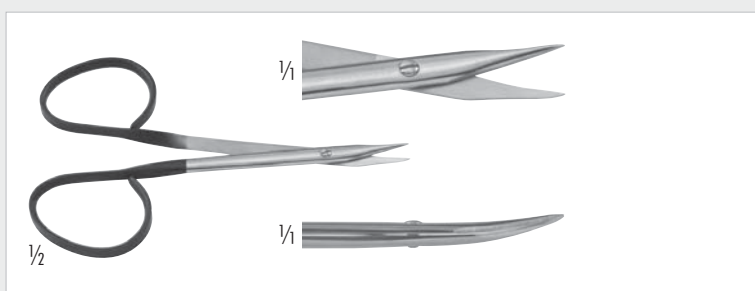
## SEHNENSCHEREN/TENOTOMY SCISSORS



120-133-200 leicht gebogen/slightly curved  
120-132-200 gerade/straight

### GRADLE

SC Schere mit Ribbon Handgriff, 100 mm  
Scissors with Ribbon handle, 4 inch



121-133-200 leicht gebogen/slightly curved  
121-132-200 gerade/straight

### GRADLE

SC Schere mit Ribbon Handgriff, 100 mm  
SC Scissors with Ribbon handle, 4 inch



120-134-120

### GRADLE

SC Sehnen Schere, gebogen, spitz, 120 mm  
Tenotomy Scissors, curved, pointed, 4 3/4 inch



121-196-110

### STEVENS

SC Sehnen Schere, gerade, 110 mm  
SC Tenotomy Scissors, straight, 4 1/8 inch



121-197-110

### STEVENS

SC Sehnen Schere, gebogen, 110 mm  
SC Tenotomy Scissors, curved, 4 1/8 inch



121-318-125

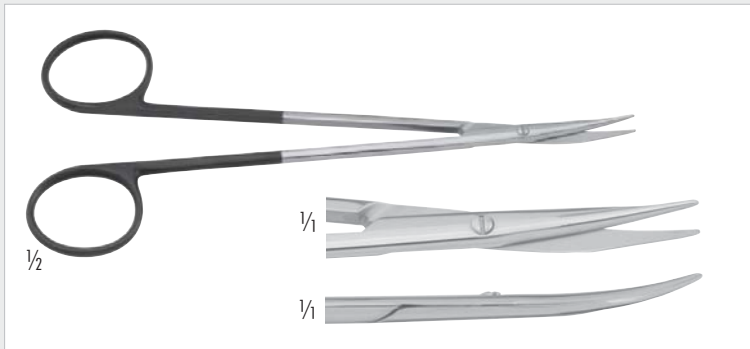
### REYNOLDS

SC Sehnen Schere, gebogen, 125 mm  
SC Tenotomy Scissors, curved, 5 inch





## SEHNENSCHEREN/TENOTOMY SCISSORS

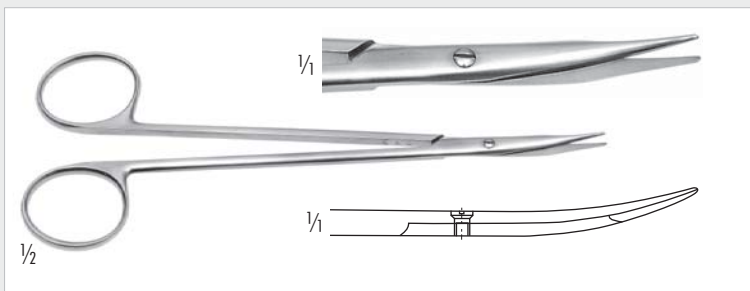


121-315-150

**JAMESON**

**SC** Schere, gebogen, gerieft, 150 mm

**SC** Scissors, curved, serrated, 6 inch



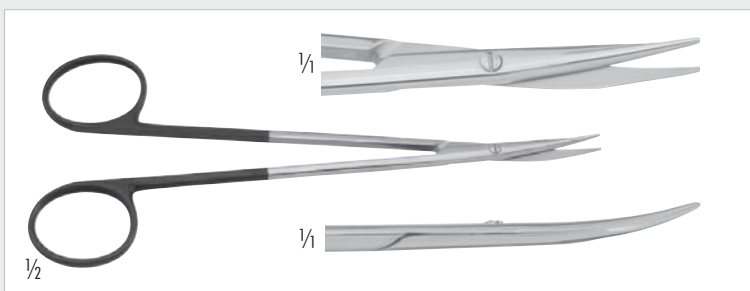
120-315-150 150 mm/6 inch

120-315-180 180 mm/7 inch

**JAMESON**

Sehnen Schere, gebogen

Tenotomy Scissors, curved



121-315-150 150 mm/6 inch

121-315-180 180 mm/7 inch

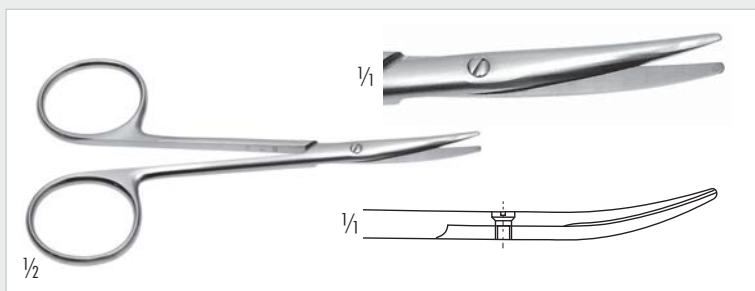
**JAMESON**

**SC** Sehnen Schere, gebogen

**SC** Tenotomy Scissors, curved



## STRABISMUS SCHEREN/STRABISMUS SCISSORS

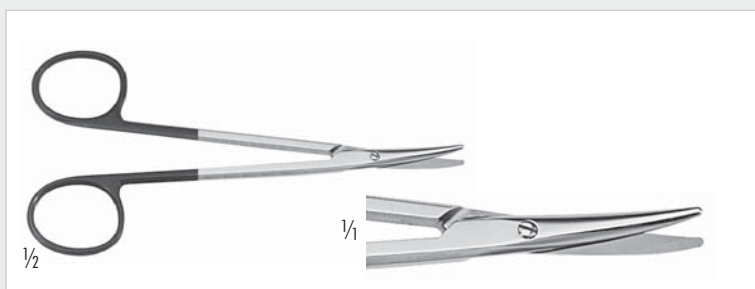


120-095-115

### STRABISMUS

Schere, gebogen, stumpf, 115 mm

Scissors, curved, blunt, 4 3/4 inch



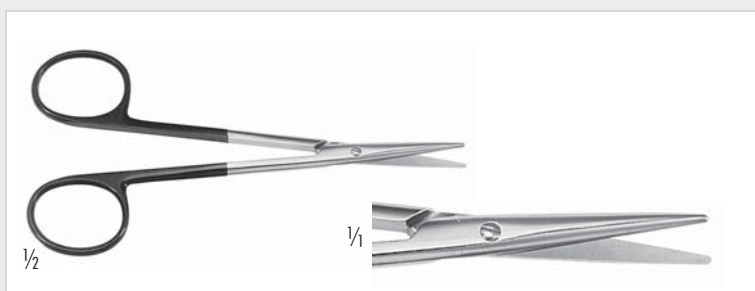
121-094-115 gerade/straight

121-095-115 gebogen/curved

### STRABISMUS

SC Schere, stumpf, 115 mm

SC Scissors, blunt, 4 3/4 inch



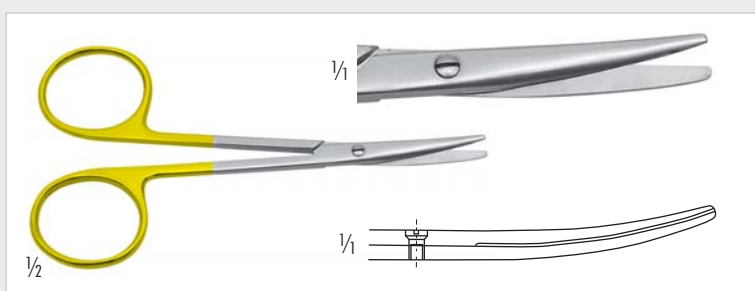
121-100-120 gerade/straight

121-101-120 gebogen/curved

### STRABISMUS

SC Schere, stumpf, 115 mm

SC Scissors, blunt, 4 3/4 inch



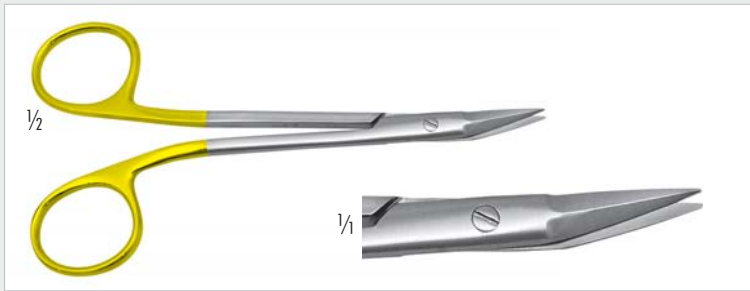
120-595-115

### STRABISMUS

TC Schere, gebogen, stumpf, 115 mm

TC Scissors, curved, blunt, 4 1/2 inch

## NASENSCHEREN/NASAL SCISSORS

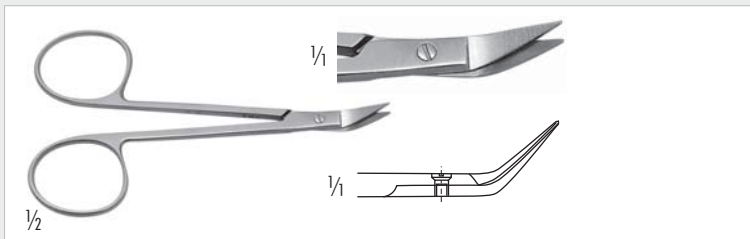


122-411-135

**GIUNTA**

TC Nasenschere, S-Form, 135 mm

TC Nasal Scissors, S-shape, 5 1/4 inch

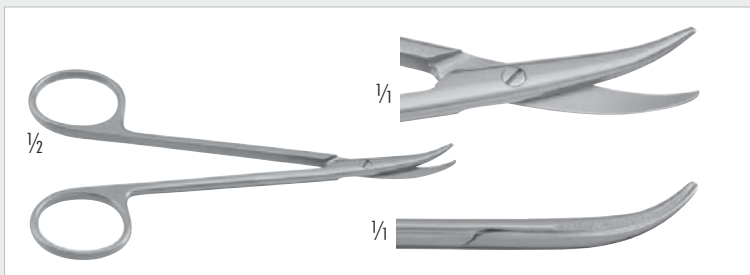


120-411-090

**DANIELS**

Nasenschere, abgewinkelt, 90 mm

Nasal Scissors, angled, 3 3/4 inch

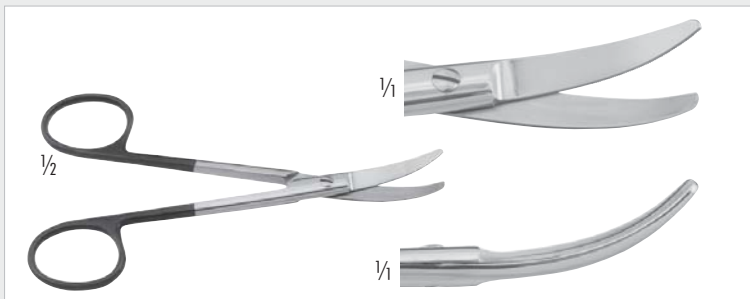


120-131-110

**FOMON**

Nasenflügelschere, gebogen, 110 mm

Lower Lateral Nasal Scissors, curved, 4 1/4 inch

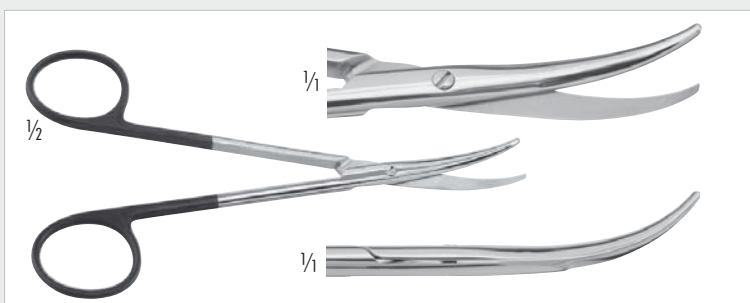


121-131-110

**FOMON**

SC Nasenflügelschere, gebogen, 110 mm

SC Lower Lateral Nasal Scissors, curved, 4 1/4 inch

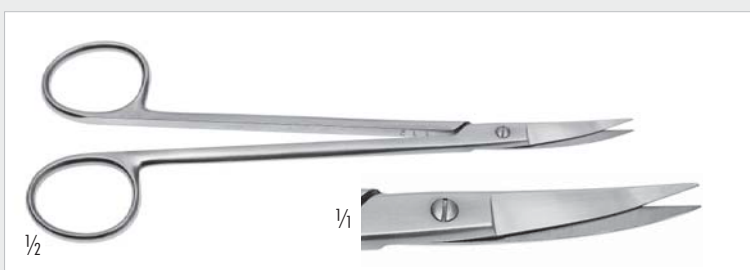


121-339-127

**FOMON**

SC Nasenflügelschere, stark gebogen, 127 mm

SC Lower Lateral Scissors, strongly curved, 5 inch



120-047-160 gebogen/curved

120-046-160 gerade/straight

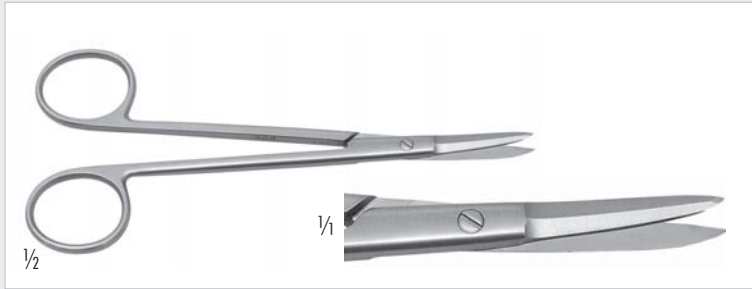
**KELLY**

Chirurgische Schere, 160 mm

Surgical Scissors, 6 1/4 inch



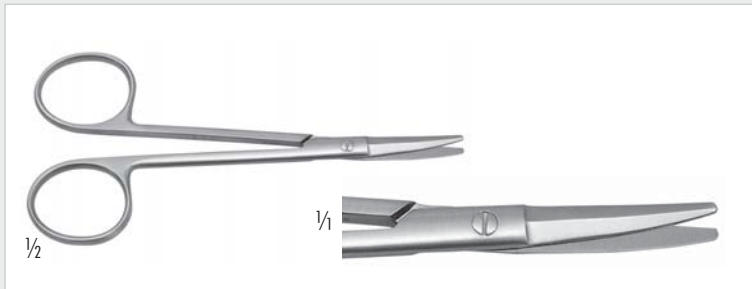
## NASENSCHEREN/NASAL SCISSORS



120-281-130

**BEUSE**

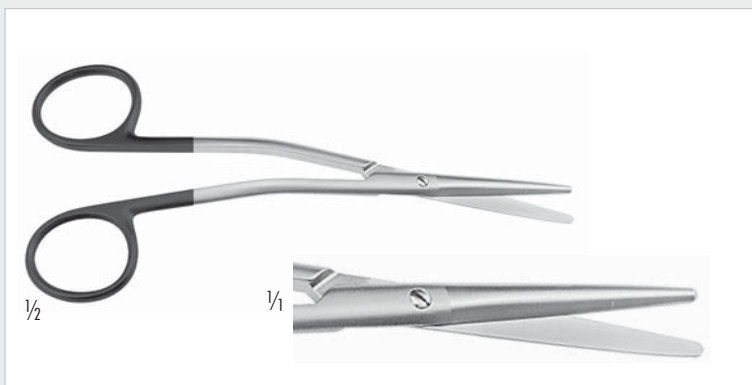
Nasenschere, leicht gebogen, spitz, 130 mm  
Nasal Scissors, slightly curved, pointed, 5 inch



120-281-110

**BEUSE**

Nasenschere, leicht gebogen, stumpf, 110 mm  
Nasal Scissors, slightly curved, blunt, 4 3/4 inch



121-280-145

**FOMON**

SC Nasenschere, 145 mm  
SC Nasal Scissors, 5 3/4 inch



121-290-165

**COTTLE**

SC Nasenschere, 165 mm  
SC Nasal Scissors, 6 1/2 inch



120-585-180

**KNIGHT**

TC Nasenschere, 180 mm  
TC Nasal Scissors, 7 inch

NASENSCHEREN/NASAL SCISSORS



120-507-145

**MAYO**

**TC** Chirurgische Schere, gebogen, 145 mm

**TC** Surgical Scissors, curved, 5 3/4 inch

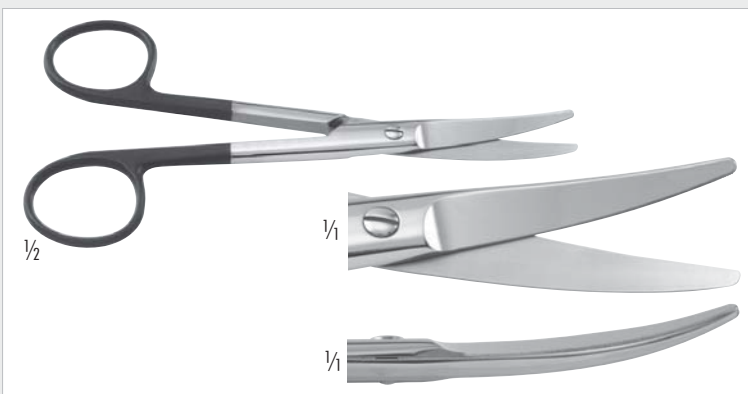


120-506-145

**MAYO**

**TC** Chirurgische Schere, gerade, 145 mm

**TC** Surgical Scissors, straight, 5 3/4 inch



121-030-145 gerade/straight

121-031-145 gebogen/curved

**MAYO**

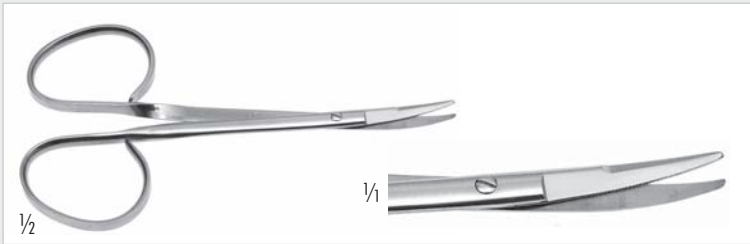
**SC** Chirurgische Schere, 145 mm

**SC** Surgical Scissors, 5 3/4 inch





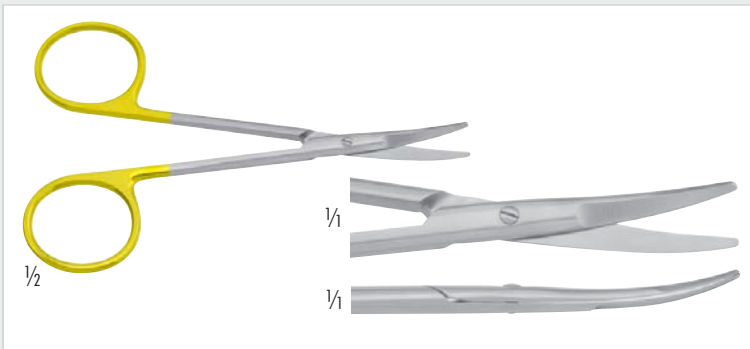
## LIDPLASTIK-SCHEREN/ BLEPHAROPLASTY SCISSORS



120-135-115

**KAYE**

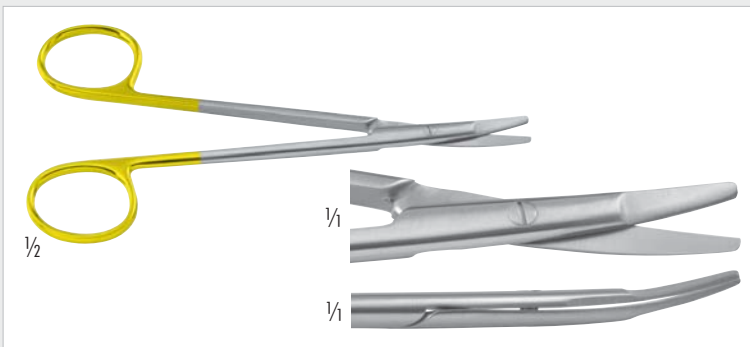
Schere für Lidplastik mit Ribbon Handgriff,  
gezahnt, gebogen, 115 mm  
Blepharoplasty Scissors with Ribbon Style handle,  
serrated, curved, 4 1/2 inch



120-571-115

**KAYE**

TC Lidplastik-Schere, gebogen, 115 mm  
TC Blepharoplasty Scissors, curved, 4 1/2 inch

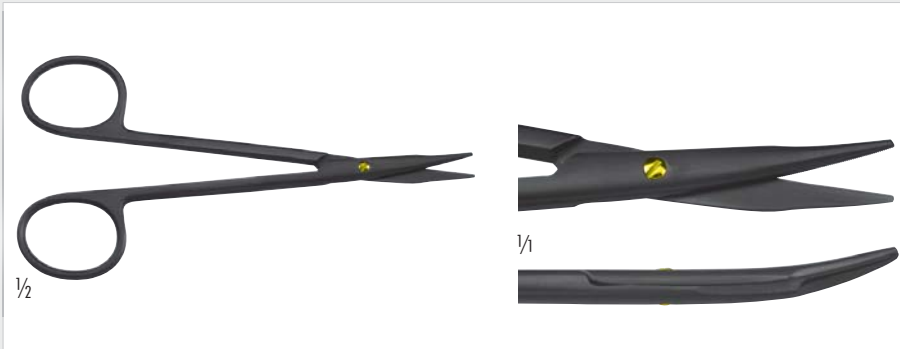


120-535-135

**KAYE XL**

TC Lidplastik-Schere, gebogen, 135 mm  
TC Blepharoplasty Scissors, curved, 5 1/8 inch

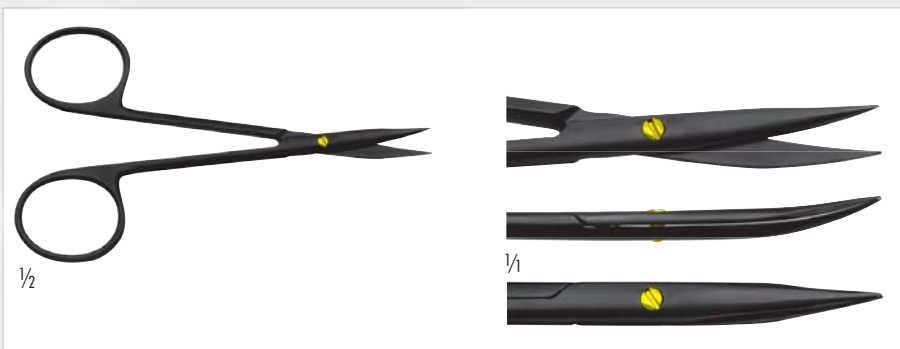




123-197-120

**STEVENS**

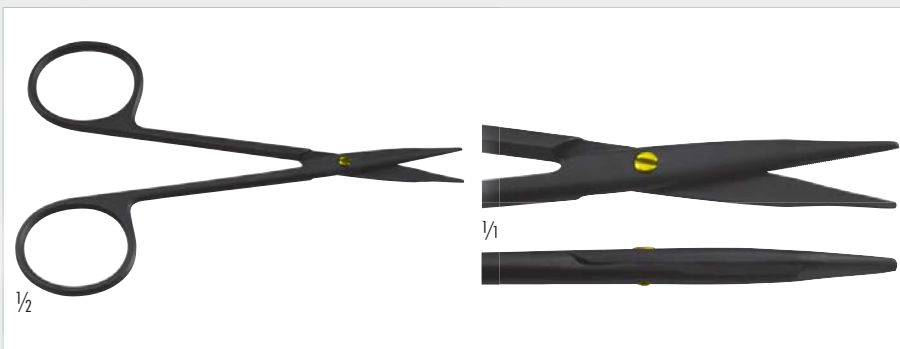
Sehnenschere, CERACUT®, gebogen, stumpf, 120 mm  
Tenotomy Scissors, CERACUT® curved, blunt, 4 3/4 inch



123-197-110

**STEVENS**

Sehnenschere CERACUT®, gebogen, spitz, 110 mm  
Tenotomy Scissors, CERACUT®, curved, sharp, 4 1/8 inch



123-196-110

**STEVENS**


Sehnenschere CERACUT®, gerade, 115 mm  
Tenotomy Scissors, CERACUT®, straight, 4 1/2 inch




123-070-115 gerade/straight  
123-071-115 gebogen/curved

**IRIS**

Schere CERACUT®, 115 mm  
Scissors, CERACUT®, 4 1/2 inch



123-317-145  
**BABY-METZENBAUM**  
Schere CERACUT®, gebogen, 145 mm  
Scissors, CERACUT®, curved, 5 ¾ inch



1/1



123-089-150  
**STEVENS**  
Sehnenschere, CERACUT® gebogen, scharf, 150 mm  
Tenotomy Scissors, CERACUT®, curved, sharp pointed tips, 6 inch




1/1




123-152-145  
**METZENBAUM-FINO**  
Schere CERACUT®, gerade, 145 mm  
Scissors, CERACUT®, straight, 5 ¾ inch



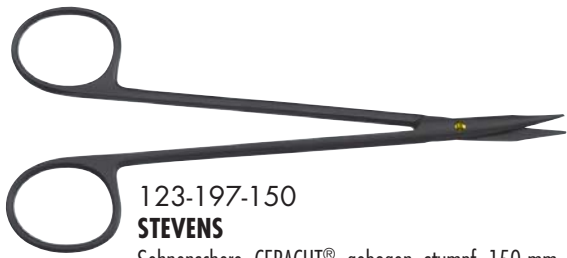
1/1



123-153-145  
**METZENBAUM-FINO**  
Schere CERACUT®, gebogen, 145 mm  
Scissors, CERACUT®, curved, 5 ¾ inch



1/1



1/2

123-197-150

**STEVENS**

Sehnenschere, CERACUT®, gebogen, stumpf, 150 mm  
Tenotomy Scissors, CERACUT®, curved, blunt, 6 inch



1/1



1/2

123-111-145

**METZENBAUM**

Schere CERACUT®, gebogen, 140 mm  
Scissors, CERACUT®, curved, 5 1/2 inch



1/1



1/2

123-111-180

**METZENBAUM**

Schere CERACUT®, gebogen, 180 mm  
Scissors, CERACUT®, curved, 7 inch



1/1



1/2

123-111-200


**METZENBAUM-NELSON**

Schere CERACUT®, gebogen, stumpf/stumpf, 200 mm  
Scissors, CERACUT®, curved, blunt/blunt, 7 3/4 inch




1/1

1/1



123-031-170  
**MAYO**  
 Schere CERACUT®, gebogen, 170 mm  
 Scissors, CERACUT®, curved, 6 2/3 inch

1/2



1/1




123-037-170  
**MAYO-STILLE**  
 Schere CERACUT®, gebogen, 170 mm  
 Scissors, CERACUT® curved, 6 2/3 inch

1/2




1/1



123-584-190  
**GORNEY**  
 Facelift-Schere CERACUT®, gerade, 185 mm  
 Facelift Scissors, CERACUT®, straight, 7 1/4 inch

1/2




1/1



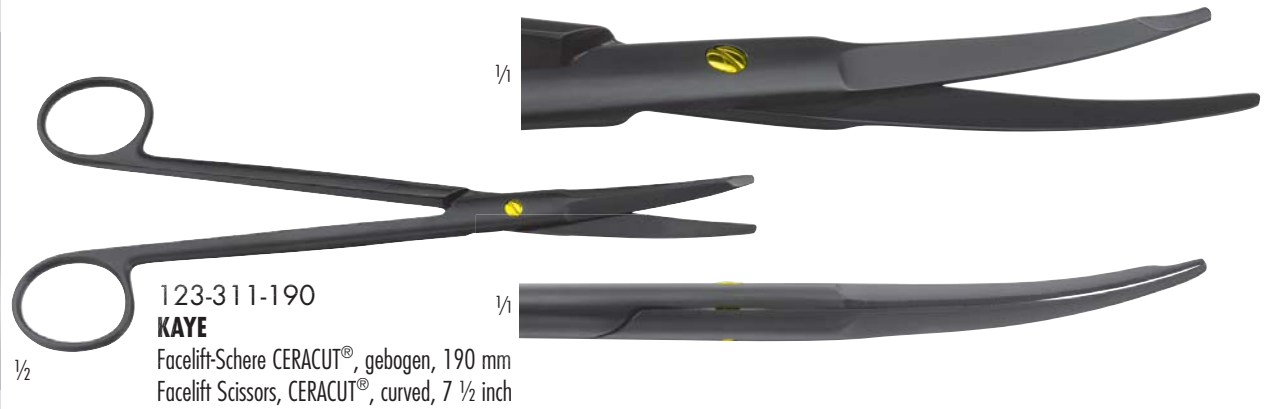
123-311-180  
**KAYE-FREEMAN**  
 Facelift-Schere CERACUT®, gebogen, 180 mm  
 Facelift Scissors, CERACUT®, curved, 7 inch

1/2



1/1



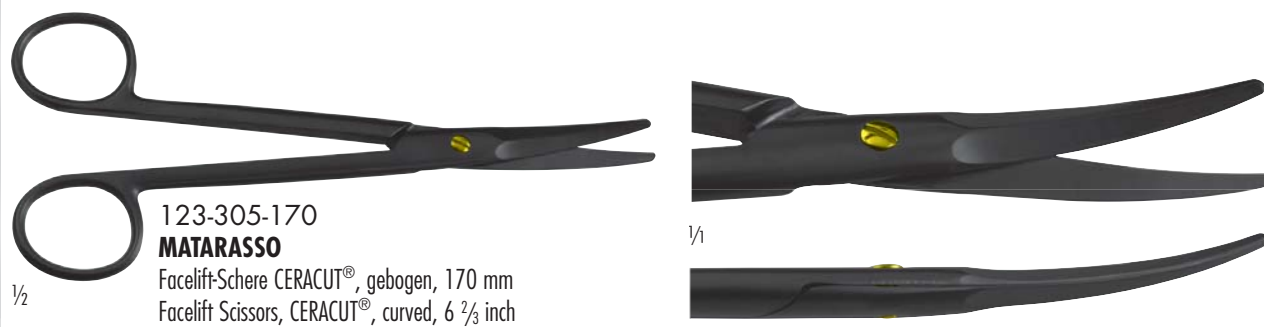


123-311-190

**KAYE**

Facelift-Schere CERACUT®, gebogen, 190 mm  
Facelift Scissors, CERACUT®, curved, 7 ½ inch

½



123-305-170

**MATARASSO**

Facelift-Schere CERACUT®, gebogen, 170 mm  
Facelift Scissors, CERACUT®, curved, 6 ⅔ inch

½



123-507-230

Hysterectomie Schere CERA-DUR-CUT, gebogen, 230 mm  
Hysterectomy Scissors, CERA-DUR-CUT, curved, Tungsten Carbide with ceramic coating, 9 inch

½



123-583-190

**POTTS-SMITH**

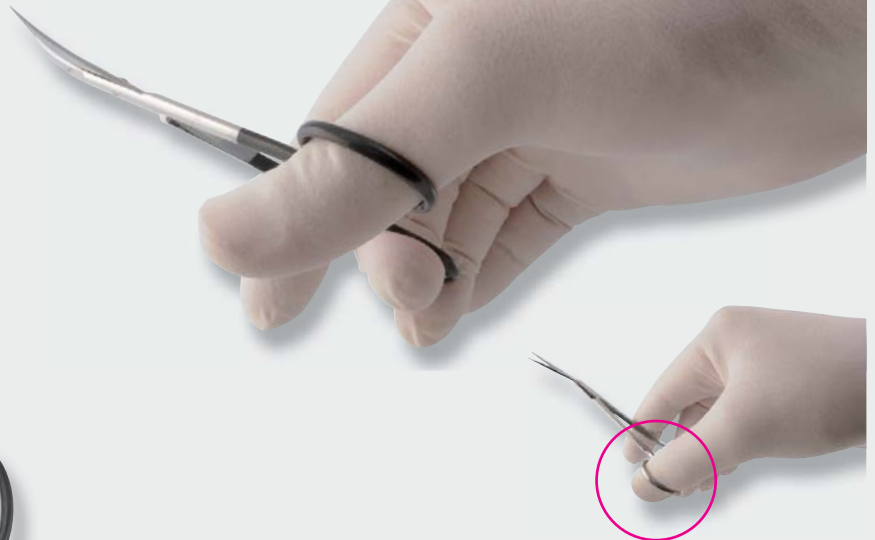
TC Gefäßschere CERA-DUR-CUT, 60° abgewinkelt, 190 mm  
TC Vascular Scissors CERA-DUR-CUT, 60° angled, 7 ½ inch

½

## SCHEREN MIT GROßEN RINGEN/SCISSORS WITH LARGE RINGS

Große Ringe erleichtern die Kontrolle der Scheren und verbessern somit das Präparieren und das Schneiden. Besonders empfohlen für Ärzte mit großen Händen und dicken Daumen.

Large rings ease the use of the scissors and improve the dissection and cutting abilities. Especially recommended for surgeons with big hands and big thumbs.



Schere mit regulären Scheren-Ringen  
Scissors with standard scissors rings

## SCHEREN MIT ECKIGEN RINGEN/SCISSORS WITH SQUARE RINGS

Eckige Ringe haben einen größeren Durchmesser als die regulären Scheren-Ringe und ermöglichen speziell Ärzten mit großen Händen eine bessere Kontrolle und Bedienung der Scheren.

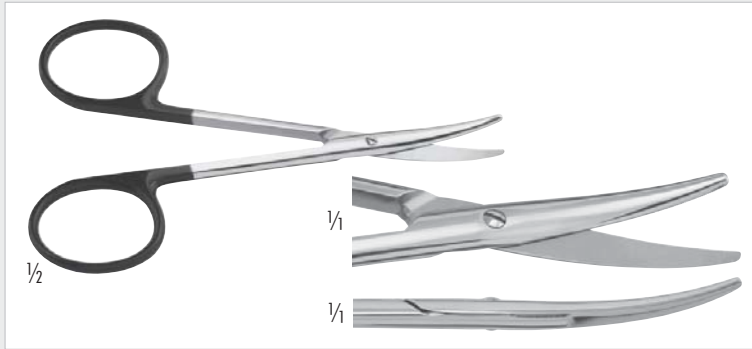
Square rings have a larger diameter as the standard scissors rings and ensure especially surgeons with big hands a better control and handling of the scissors.



Schere mit regulären Scheren-Ringen  
Scissors with standard scissors rings



## SCHEREN MIT GROßEN RINGEN/SCISSORS WITH LARGE RINGS

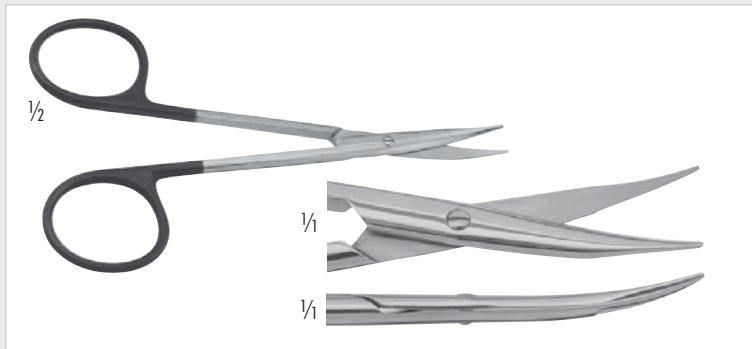


121-011-125

### WALDRAM

SC Handchirurgie Schere, mit großen Ringen, gebogen, 125 mm

SC Handsurgery Scissors, special large bows, curved, 5 inch



121-012-125

### STEVENS

SC Sehnenschere, gebogen, mit großen Ringen, 125 mm

SC Tenotomy Scissors, curved, with large bows, 5 inch



121-089-130

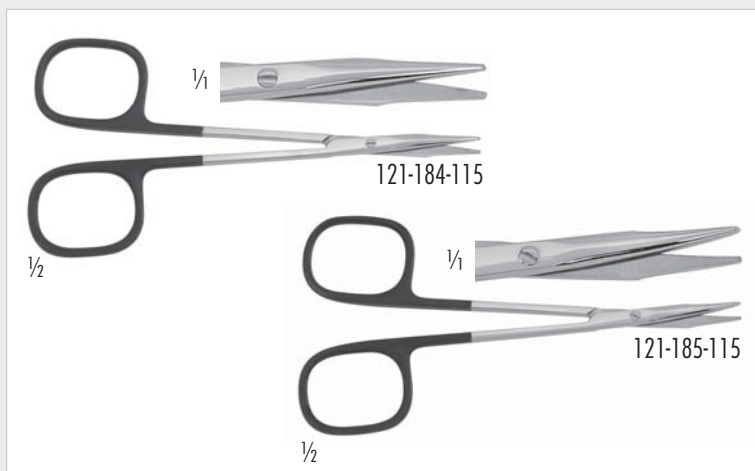
### JABALEY

SC Schere, gebogen, mit großen Ringen, 130 mm

SC Scissors, curved, with large bows, 5 1/4 inch



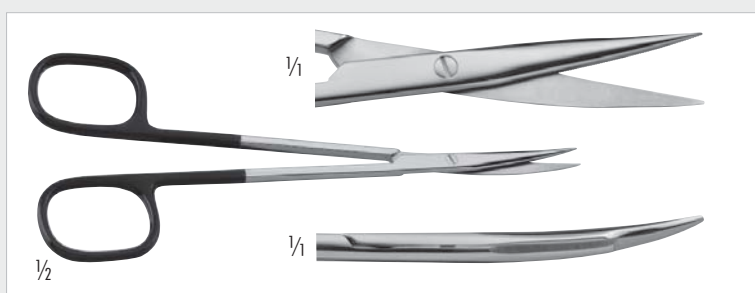
SC SUPER-CUT SCHEREN MIT ECKIGEN RINGEN  
SC SUPER-CUT SCISSORS WITH SQUARE RINGS



- 121-182-115 spitz/gerade / sharp/straight
- 121-183-115 spitz/gebogen / sharp/curved
- 121-184-115 stumpf/gerade / blunt/straight
- 121-185-115 stumpf/gebogen / blunt/curved

**STEVENS**

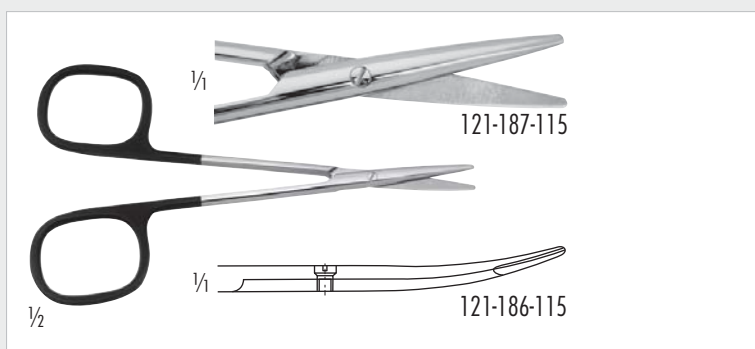
- SC Präparierscheren, mit eckigen Ringen, 115 mm
- SC Dissecting Scissors, with square rings, 4 1/2 inch



- 121-190-140 gerade/straight
- 121-191-140 gebogen/curved

**REYNOLDS-JAMESON**

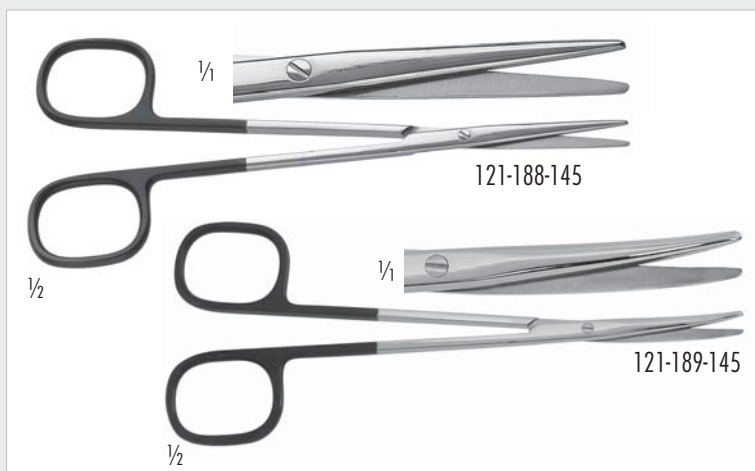
- SC Gefäßschere, mit eckigen Ringen, 140 mm
- SC Vessel Scissors, with square rings, 5 1/2 inch



- 121-186-115 gerade/straight
- 121-187-115 gebogen/curved

**STRABISMUS**

- SC Präparierscheren, mit eckigen Ringen, 115 mm
- SC Dissecting Scissors, with square rings, 4 1/2 inch



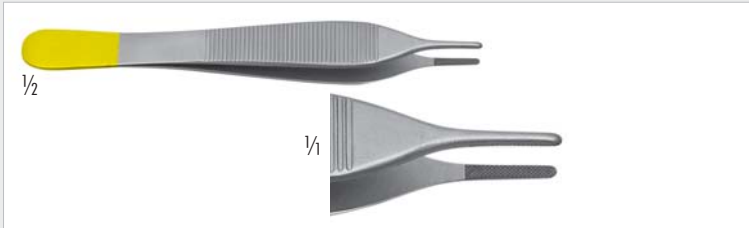
- 121-188-145 gerade/straight
- 121-189-145 gebogen/curved

**METZENBAUM**

- SC Präparierscheren, mit eckigen Ringen, 145 mm
- SC Dissecting Scissors, with square rings, 5 3/4 inch

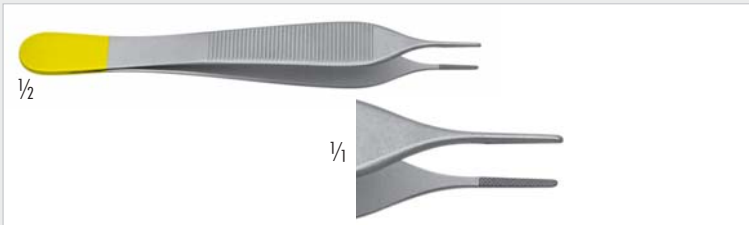


## PINZETTEN/FORCEPS

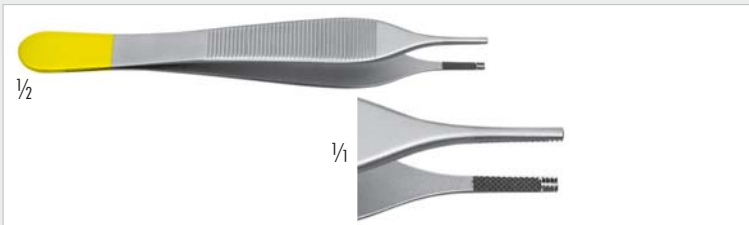


130-532-120 120 mm/4 ¾ inch  
130-532-150 150 mm/6 inch

**ADSON**  
Anatomische **TC** Pinzette,  
**TC** Dissecting Forceps,

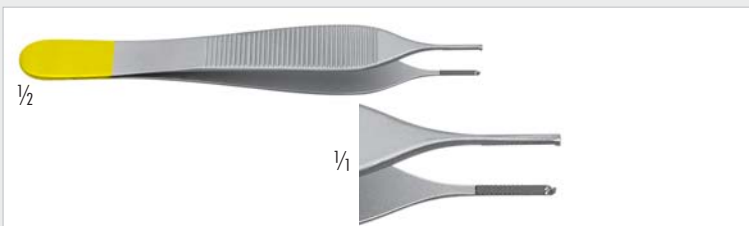


130-538-120  
**MIKRO-ADSON**  
Anatomische **TC** Pinzette, 120 mm  
**TC** Dressing Forceps, 4 ¾ inch



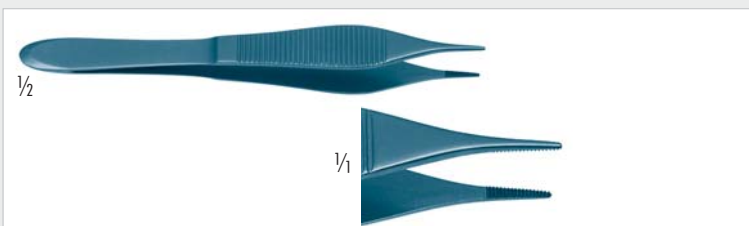
130-529-120 120 mm/4 ¾ inch  
130-529-150 150 mm/6 inch

**ADSON-BROWN**  
Chirurgische **TC** Pinzette mit 7 x 7 Zähnen  
**TC** Tissue Forceps with 7 x 7 teeth



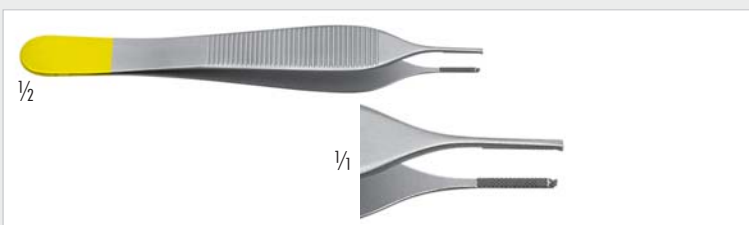
130-534-120 120 mm/4 ¾ inch  
130-534-150 150 mm/6 inch

**ADSON**  
Chirurgische **TC** Pinzette mit 1 x 2 Zähnen  
**TC** Tissue Forceps with 1 x 2 teeth

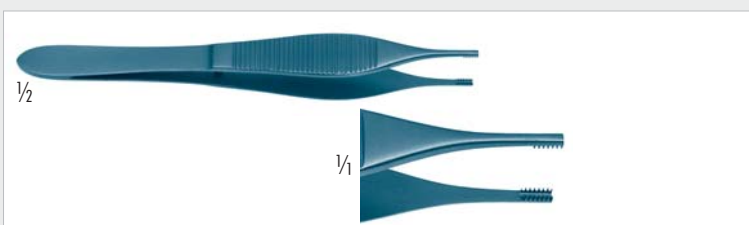


130-242-120 120 mm/4 ¾ inch  
130-242-150 150 mm/6 inch

**TITAN ADSON**  
Anatomische Pinzette  
Dressing Forceps



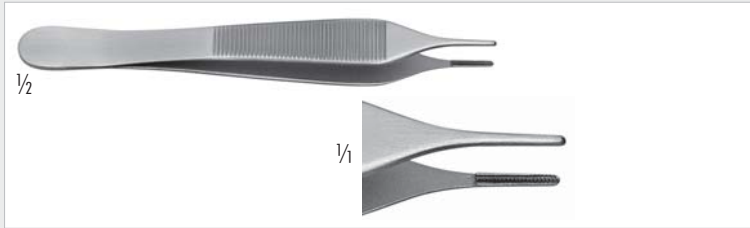
130-537-120  
**MIKRO-ADSON**  
Chirurgische **TC** Pinzette mit 1 x 2 Zähnen, 120 mm  
**TC** Tissue Forceps with 1 x 2 teeth, 4 ¾ inch



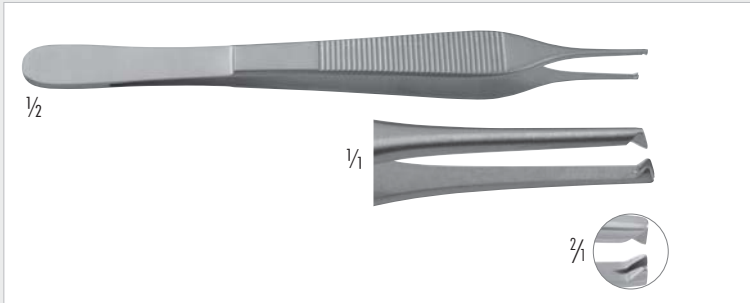
130-243-120 120 mm/4 ¾ inch  
130-243-150 150 mm/6 inch

**TITAN ADSON-BROWN**  
Chirurgische Pinzette mit 7 x 7 Zähnen  
Tissue Forceps with 7 x 7 teeth

PINZETTEN/FORCEPS



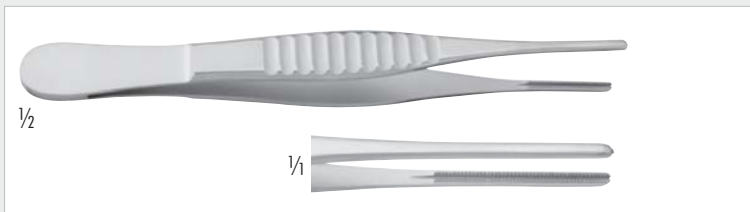
130-527-120  
**ADSON-DEBAKEY**  
 Atraumatische Pinzette, mit De Bakey Zahnung, 120 mm  
 Atraumatic Forceps, with De Bakey Serration, 4 3/4 inch



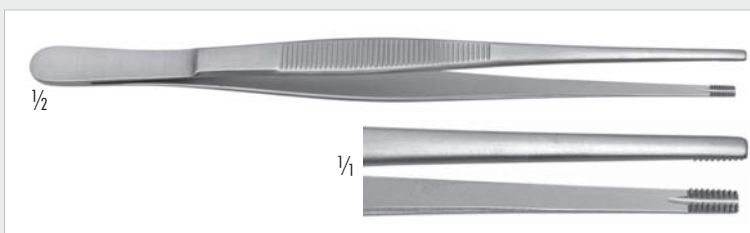
130-550-150  
**MIKRO-ADSON**  
 Pinzette, 1 x 2 Zähne, 150 mm  
 Forceps, 1 x 2 teeth, 6 inch



130-570-150  
**DEBAKEY**  
 Atraumatische **TC** Pinzette, 2,0 mm breit, 150 mm  
**TC** Atraumatic Forceps, 2.0 mm wide, 6 inch



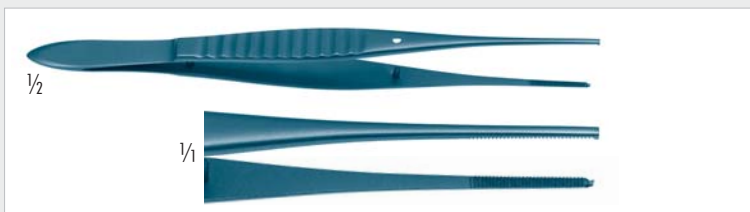
290-552-160  
**DEBAKEY**  
 Atraumatische Pinzette, gerade, 2,0 mm breit, 160 mm  
 Atraumatic Forceps, straight, 2.0 mm wide, 6 1/4 inch



130-554-200 200 mm/8 inch  
 130-554-160 160 mm/6 1/4 inch  
**BROWN**  
 Chirurgische Pinzette mit 7 x 7 Zähnen  
 Tissue Forceps with 7 x 7 teeth



130-520-150  
**GILLIES**  
 Chirurgische **TC** Pinzette mit 1 x 2 Zähnen, 150 mm  
**TC** Tissue Forceps 1 x 2 teeth, 6 inch



130-239-150  
**TITAN GILLIES**  
 Chirurgische Pinzette mit 1 x 2 Zähnen, 150 mm  
 Tissue Forceps with 1 x 2 teeth, 6 inch



## PINZETTEN/FORCEPS



130-536-150

### TICKNER

Anatomische **TC** Pinzette, 150 mm

**TC** Dressing Forceps, 6 inch



130-518-160 160 mm/6 1/4 inch

130-518-145 145 mm/5 3/4 inch

130-518-180 180 mm/7 inch

Anatomische **TC** Pinzette

**TC** Dressing Forceps



130-324-160

### SEMKEN

Anatomische **TC** Pinzette, 160 mm

**TC** Dressing Forceps, 6 1/4 inch



130-524-180

### SEMKEN

Chirurgische **TC** Pinzette, mit 1 x 2 Zähnen, 160 mm

**TC** Tissue Forceps, with 1 x 2 teeth, 6 1/4 inch



130-522-150

### MCINDOE

Anatomische **TC** Pinzette, 150 mm

**TC** Dressing Forceps, 6 inch



130-522-160 160 mm/6 1/4 inch,

130-522-145 145 mm/5 3/4 inch

130-522-180 180 mm/7 inch

### OEHLER

Chirurgische **TC** Pinzette, 1 x 2 Zähnen

**TC** Tissue Forceps, 1 x 2 teeth



130-536-175

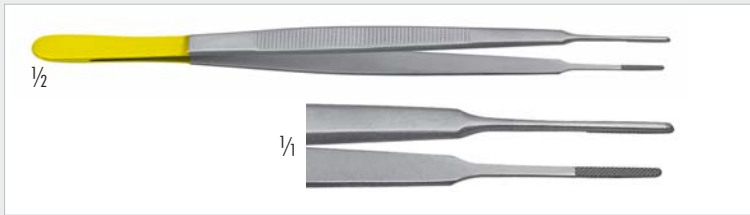
### CUSHING

Anatomische **TC** Pinzette, 175 mm

**TC** Dressing Forceps, 6 5/8 inch



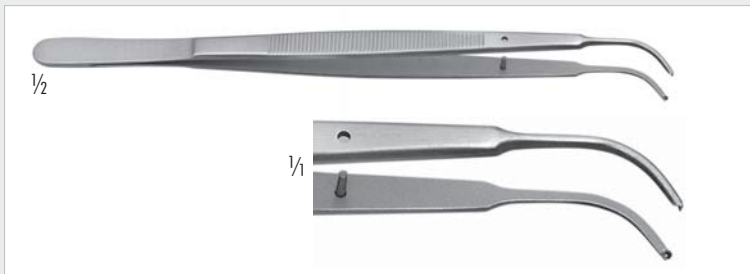
PINZETTEN/FORCEPS



130-516-170  
**GERALD**  
 Anatomische **TC** Pinzette, 170 mm  
**TC** Dressing Forceps, 6¾ inch



130-518-170  
**GERALD**  
 Chirurgische **TC** Pinzette, mit 1 x 2 Zähnen, 170 mm  
**TC** Tissue Forceps, with 1 x 2 teeth, 6¾ inch



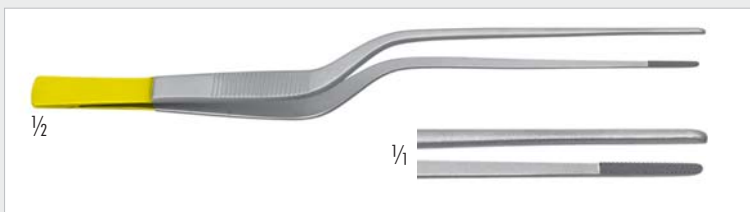
130-151-180  
**GERALD**  
 Chirurgische Pinzette, mit 1 x 2 Zähnen, gebogen, 170 mm  
 Tissue Forceps, with 1 x 2 teeth, curved, 6¾ inch



410-391-140  
**LUCAE**  
 Anatomische Ohrpinzette, bajonett abgewinkelt, 140 mm  
 Dressing Aural Forceps, bayonet shaped, 5½ inch



410-395-190  
 410-396-190 1 x 2 Zähne/1 x 2 teeth  
**JANSEN**  
 Anatomische Nasenpinzette, bajonett abgewinkelt, 190 mm  
 Dressing Nasal Forceps, bayonet shaped, 7¾ inch



130-541-180  
**CUSHING-TAYLOR**  
 Anatomische **TC** Nasenpinzette, bajonett abgewinkelt, 180 mm  
 Dressing **TC** Nasal Forceps, bayonet shaped, 7 inch



## PINZETTEN/FORCEPS



- 130-490-100 gerade/straight
- 130-491-100 leicht gebogen/slightly curved
- 130-492-100 stark gebogen/strongly curved

### RZ

Feine anatomische Pinzette, 0,7 mm breit, 100 mm  
Delicate Dressing Forceps, 0.7 mm wide, 4 inch



130-503-100

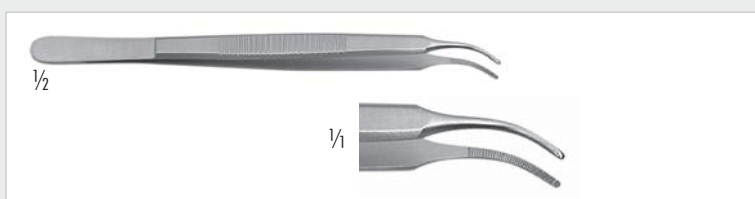
Feine chirurgische Pinzette mit 1 x 2 Zähnen, 100 mm  
Delicate Tissue Forceps, with 1 x 2 teeth, 4 inch



- 130-500-100 gerade/straight
- 130-501-100 gebogen/curved

### GRAEFE

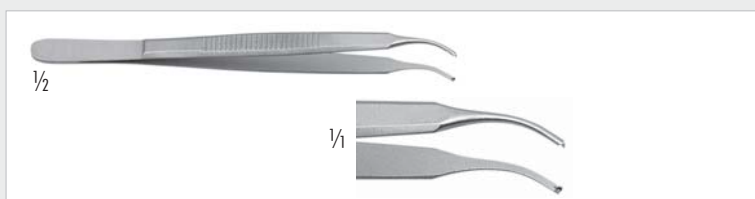
Anatomische Pinzette, gerade, 100 mm  
Dressing Forceps, straight, 4 inch



130-511-110

### STEVENS

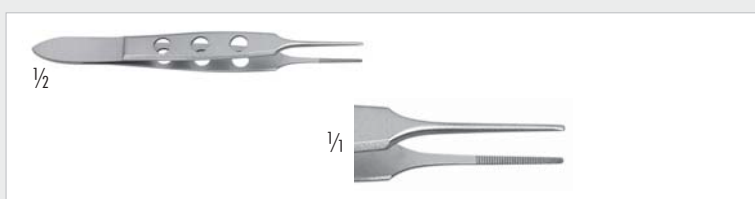
Anatomische Pinzette, leicht gebogen, 110 mm,  
Dressing Forceps, slightly curved, 4 1/8 inch



130-513-110

### STEVENS

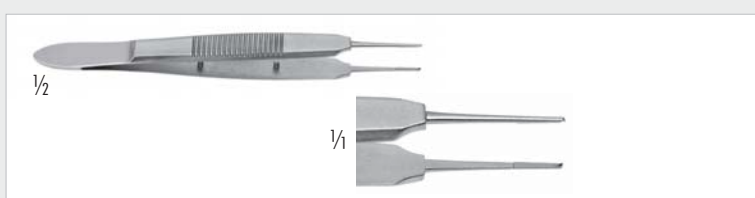
Chirurgische Pinzette mit 1 x 2 Zähnen, leicht gebogen, 110 mm  
Tissue Forceps with 1 x 2 teeth, slightly curved, 4 1/8 inch



- 400-018-005 anatomische Pinzette/dressing forceps
- 400-118-005 chirurgische Pinzette, 1 x 2 Zähne  
tissue forceps, 1 x 2 teeth

### BISHOP-HARMON

0,5 mm Spitze, 85 mm  
0.5 mm tip, 3 1/8 inch

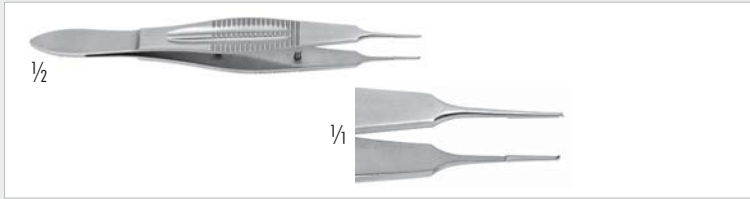


400-137-150

### CASTROVIEJO

Nahtpinzette mit Fadenplatte, 1 x 2 Zähne, 1 mm, 100 mm  
Suture Forceps with tying platform, 1 x 2 teeth, 1 mm, 4 inch

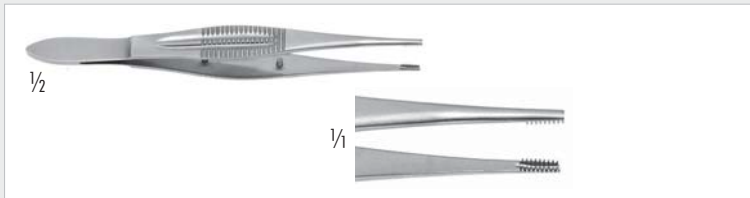
PINZETTEN/FORCEPS



400-137-012 0,12 mm Spitzen/0.12 mm tips  
 400-137-030 0,3 mm Spitzen/0.3 mm tips  
 400-137-050 0,5 mm Spitzen/0.5 mm tips

**CASTROVIEJO**

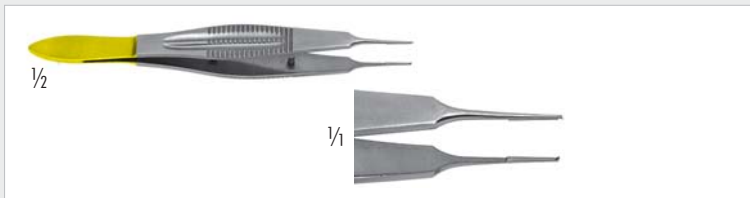
Nahtpinzette mit Fadenplatte, 1 x 2 Zähne, 100 mm  
 Suture Forceps with tying platform, 1 x 2 teeth, 4 inch



400-139-050

**CASTROVIEJO BROWN**

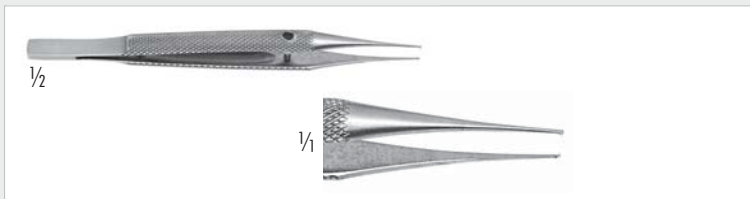
Chirurgische Pinzette, mit 7 x 7 Zähnen, 100 mm,  
 Tissue Forceps, with 7 x 7 teeth, 4 inch



400-137-003

**CASTROVIEJO**

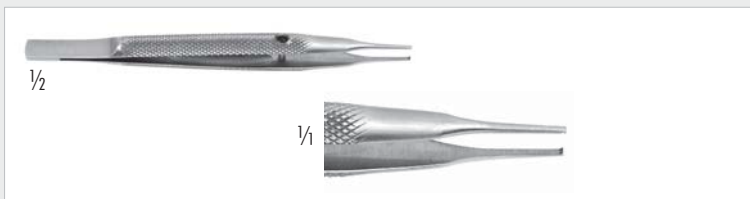
Nahtpinzette mit **diamantierter Fadenplatte**,  
 0,3 mm Spitze, 1 x 2 Zähne, 100 mm  
 Suture Forceps with **diamond dusted tying platform**,  
 0.3 mm tip, 1 x 2 teeth, 10 cm, 4 inch



400-082-100

**KIRBY**

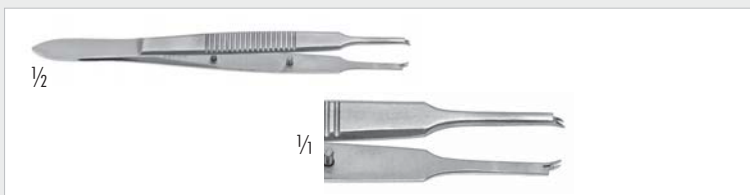
Fixierpinzette, mit 1 x 2 Zähnen, 100 mm  
 Fixation Forceps, with 1 x 2 teeth, 4 inch



400-083-100

**KIRBY**

Fixierpinzette mit 2 x 3 Zähnen, 100 mm  
 Fixation Forceps with 2 x 3 teeth, 4 inch



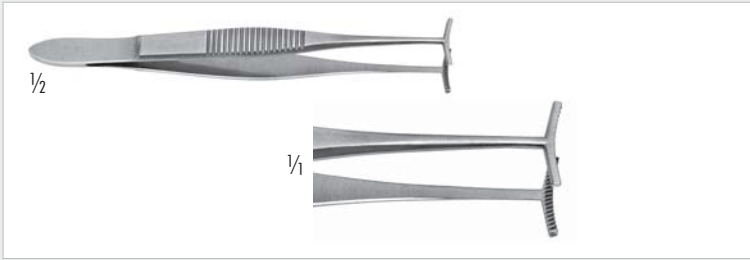
400-022-090

**CASTROVIEJO**

Fixierpinzette mit 2 x 2 Zähnen, 100 mm  
 Fixation Forceps with 2 x 2 teeth, 4 inch,



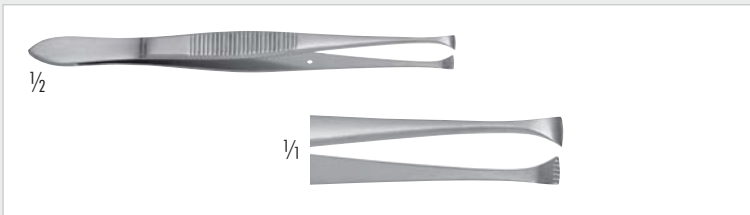
## PINZETTEN/FORCEPS



400-029-012

**GREEN**

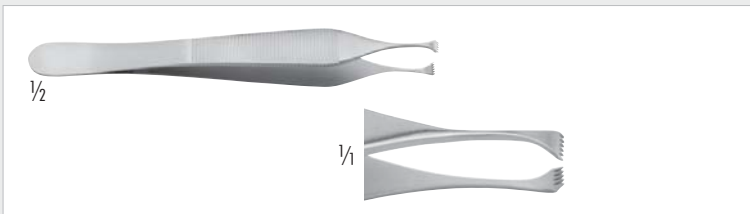
Fixierpinzette mit 12 mm breitem Maul und feinen Zähnen, 110 mm  
Fixation Forceps, 12 mm jaws and delicate teeth, 4 1/3 inch



400-025-110

**GRAEFFE**

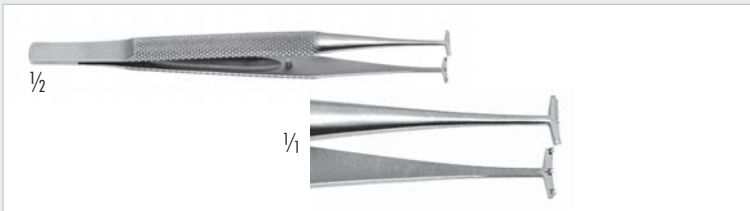
Fixierpinzette mit 7 x 8 Zähnen, 110 mm  
Fixation Forceps with 7 x 8 teeth, 4 1/3 inch



130-561-125

**BEASLEY-BABCOCK**

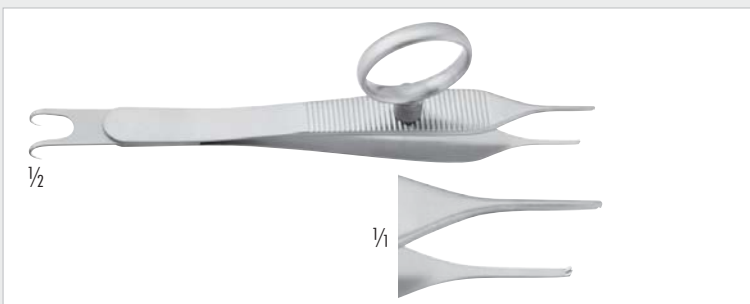
Chirurgische Pinzette, 6 x 7 Zähne, 125 mm  
Tissue Forceps, 6 x 7 teeth, 5 inch



400-084-100

**KIRBY-BARRAQUER**

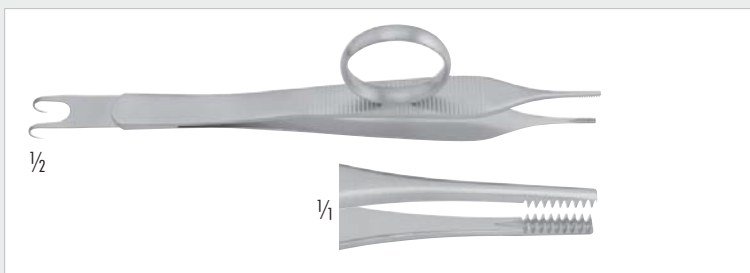
Fixierpinzette mit feinen Zähnen, 110 mm  
Fixation Forceps with delicate teeth, 4 1/3 inch



260-411-150

**MILLARD**

Hakenpinzette, mit Ring, 1 x 2 Zähne, 150 mm  
Hook Forceps, with ring, 1 x 2 teeth, 6 inch

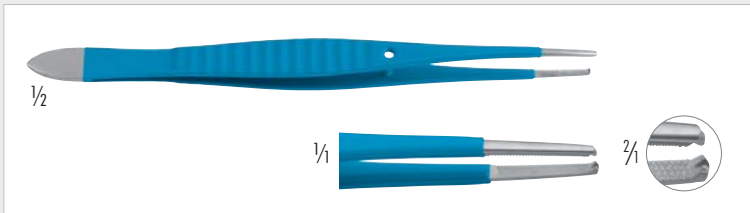


260-412-150

**MILLARD**

Hakenpinzette, mit Ring, mit Brown Zahnung, 150 mm  
Hook Forceps, with ring, with Brown serrations, 6 inch

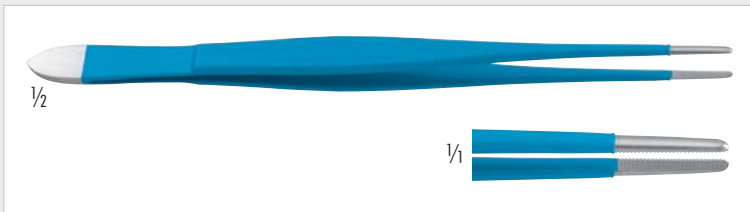
MONOPOLARE PINZETTEN/MONOPOLAR FORCEPS



130-720-150

**GILLIES**

Chirurgische Pinzette, **isoliert**, 1 x 2 Zähne, 150 mm  
Tissue Forceps, **insulated**, 1 x 2 teeth, 6 inch

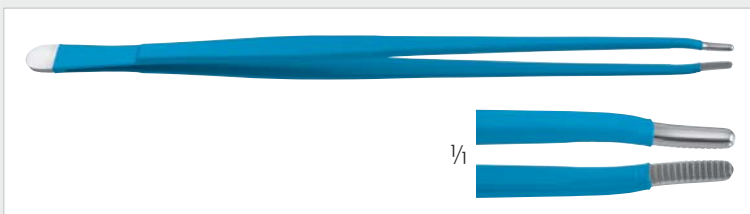


130-736-175 175 mm/6 5/8 inch

130-736-200 200 mm/8 inch

**CUSHING**

Anatomische Pinzette, **isoliert**, gerade  
Dressing Forceps, **insulated**, straight



130-738-180 180 mm/7 inch

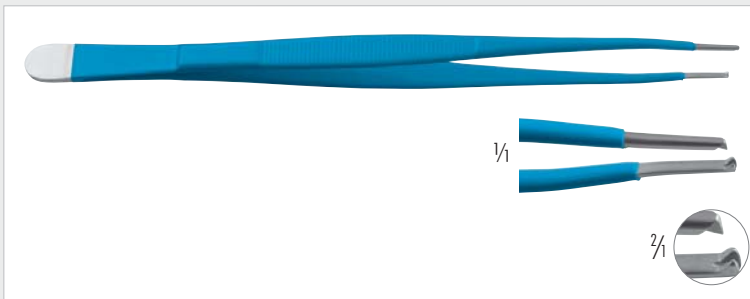
130-738-210 210 mm/8 1/4 inch

130-738-250 250 mm/9 5/8 inch

130-738-300 300 mm/11 5/8 inch

**POTTS-SMITH**

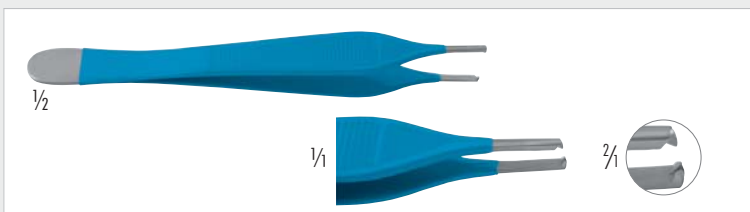
Pinzette, **isoliert**, gerade Maulteile, zu den Spitzen leicht abgewinkelt  
Forceps, **insulated**, straight jaws, slightly angled to the tips



130-739-210

**POTTS-SMITH**

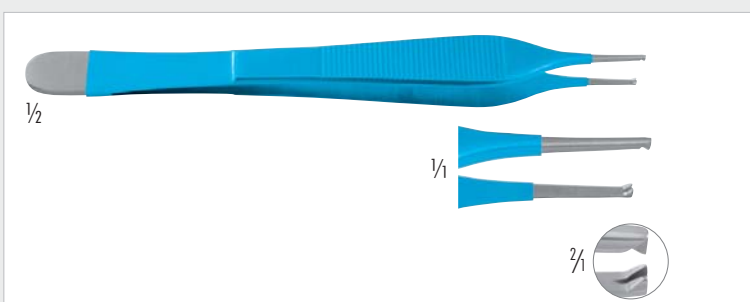
Pinzette, **isoliert**, 1 x 2 Zähne, 210 mm  
Forceps, **insulated**, 1 x 2 teeth, 8 1/4 inch



130-740-120

**ADSON**

Chirurgische Pinzette, **isoliert**, 1 x 2 Zähne, 2,0 mm Spitze, 120 mm  
Tissue Forceps, **insulated**, 1 x 2 teeth, 2.0 mm tip, 4 3/4 inch



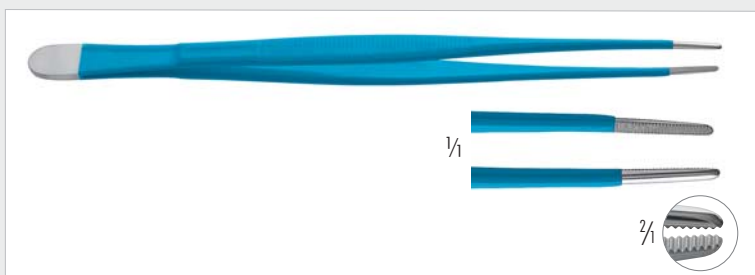
130-750-150

**MIKRO-ADSON**

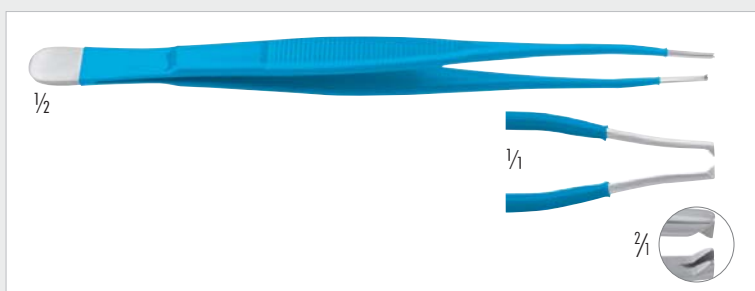
Pinzette, **isoliert**, 1 x 2 Zähne, 150 mm  
Forceps, **insulated**, 1 x 2 teeth, 6 inch



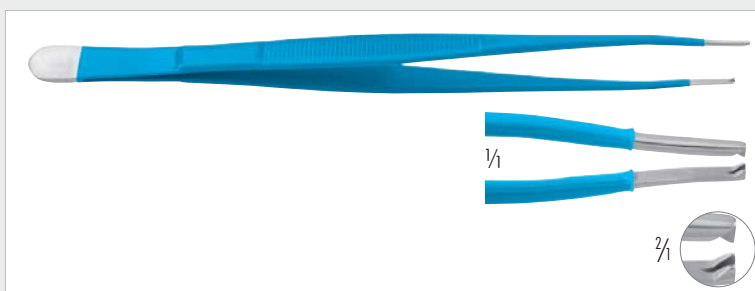
## MONOPOLARE PINZETTEN/MONOPOLAR FORCEPS



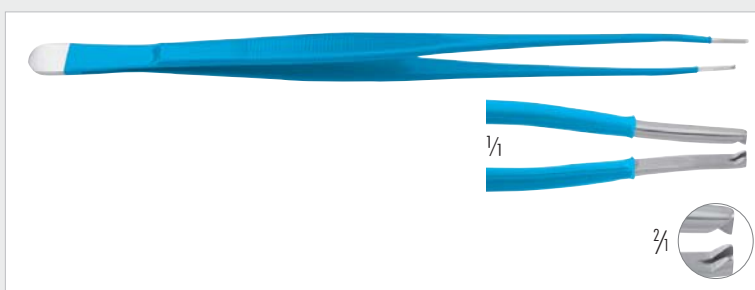
130-740-180 180 mm/7 inch  
 130-740-210 210 mm/8 1/4 inch  
 130-740-250 250 mm/9 5/8 inch  
 Monopolare Pinzette, **isoliert**, gerade, gerieft  
 Monopolar Forceps, **insulated**, straight, serrated



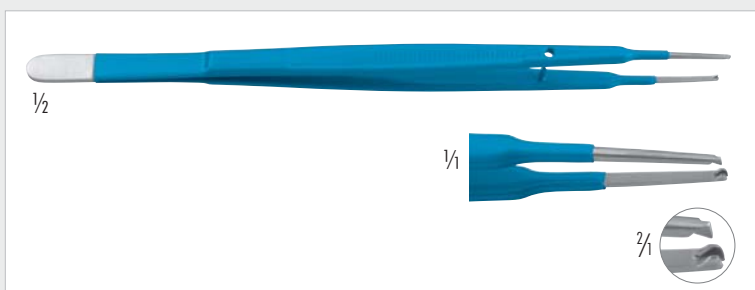
130-741-180  
 Monopolare Pinzette, **isoliert**, gerade, 1 x 2 Zähne, 180 mm  
 Monopolar Forceps, **insulated**, straight, 1 x 2 teeth, 7 inch



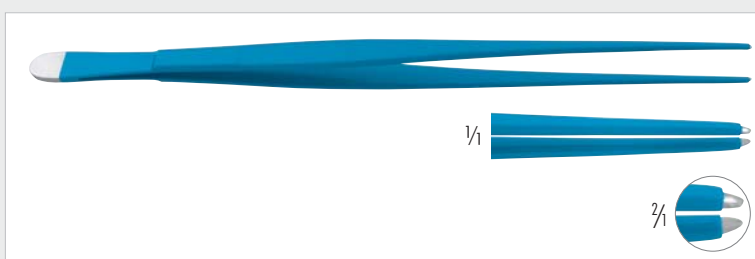
130-741-210  
 Monopolare Pinzette, **isoliert**, gerade, 1 x 2 Zähne, 210 mm  
 Monopolar Forceps, **insulated**, straight, 1 x 2 teeth, 8 1/4 inch



130-741-250  
 Monopolare Pinzette, **isoliert**, gerade, 1 x 2 Zähne, 250 mm  
 Monopolar Forceps, **insulated**, straight, 1 x 2 teeth, 9 5/8 inch

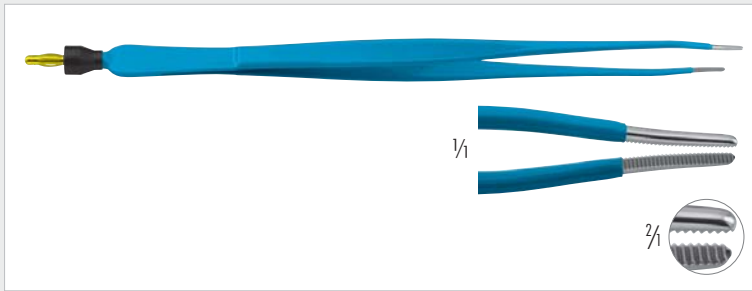


130-750-180 180 mm/7 inch  
 130-750-230 230 mm/9 inch  
**GERALD**  
 Chirurgische Pinzette, **isoliert**, 1 x 2 Zähne, gerade  
 Tissue Forceps, **insulated**, 1 x 2 teeth, straight

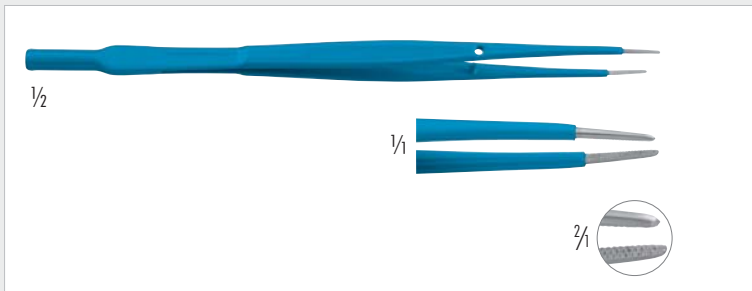


130-743-250  
**SULLIVAN**  
 Monopolare Pinzette, **isoliert**, gerade, sehr feines,  
 glattes Maul, 1mm freie Spitzen, 250 mm  
 Monopolar Forceps, **insulated**, straight, very delicate,  
 smooth jaws, 1 mm non-insulated tips, 9 5/8 inch

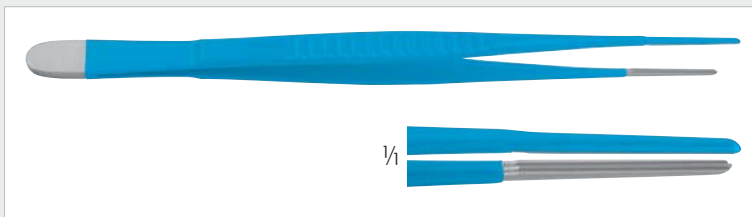
MONOPOLARE PINZETTEN/MONOPOLAR FORCEPS



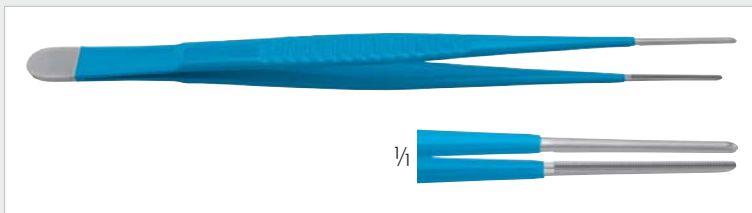
130-750-210  
 Monopolare anatomische Pinzette, **isoliert**, mit 4 mm Federkorb, 2,1 mm Maul, gerade, 210 mm  
 Monopolar Dissecting Forceps, **insulated**, with 4 mm post, 2.1 mm jaws, straight, 8 1/4 inch



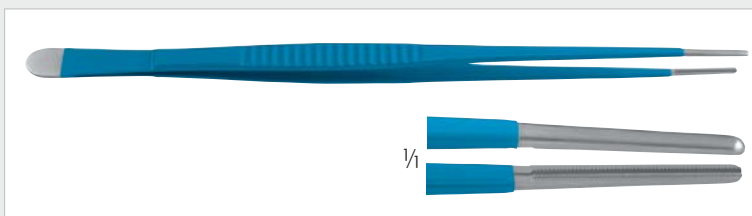
130-760-150  
**WAUGH**  
 Chirurgische Pinzette, **isoliert**, 1 x 2 Zähne, mit Buchse für 4 mm Korbstecker, 175 mm  
 Tissue Forceps, **insulated**, 1 x 2 teeth, with connector for 4 mm monopolar poste, 6 3/4 inch



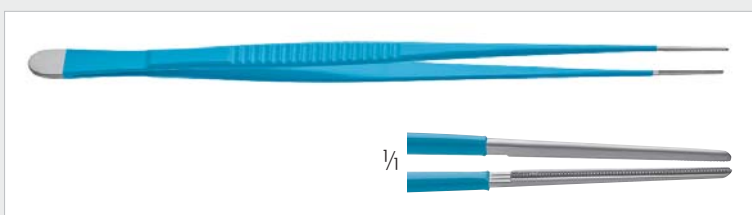
290-551-201  
**DEBAKEY**  
 Atraumatische Monopolar Pinzette, **voll isoliert**, 1,5 mm Spitze, gerade, nicht isoliertes Arbeitsende, 200 mm  
 Atraumatic Monopolar Forceps, **completely insulated**, 1.5 mm tip, straight, non-insulated jaws, 8 inch



290-750-200  
**DEBAKEY**  
 Atraumatische Pinzette, **isoliert**, 1,5 mm Spitze, gerade, 200 mm  
 Atraumatic Forceps, **insulated**, 1.5 mm tip, straight, 8 inch



290-848-300  
**DEBAKEY**  
 Atraumatische Pinzette, **isoliert**, außer Zähnen und Rücken, 2,8 mm Spitze, 300 mm  
 Atraumatic Forceps, **insulated**, exc. back portion and teeth, 2.8 mm tip, 12 inch

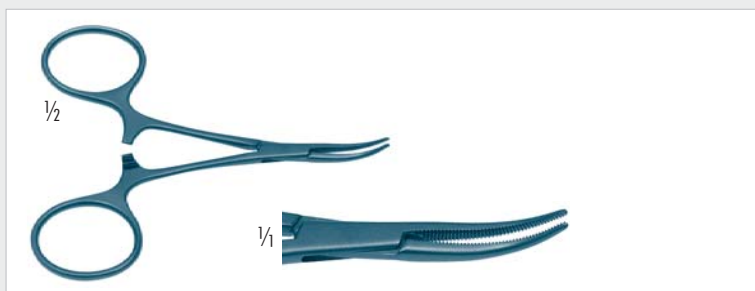


290-850-160 160 mm/6 1/4 inch  
 290-850-200 200 mm/8 inch  
 290-850-300 300 mm/12 inch  
**DEBAKEY**  
 Atraumatische Pinzette, **isoliert**, 1,5 mm Spitze, gerade, Maulteil nicht isoliert  
 Atraumatic Forceps, **insulated**, 1.5 mm tip, straight, non-insulated jaws





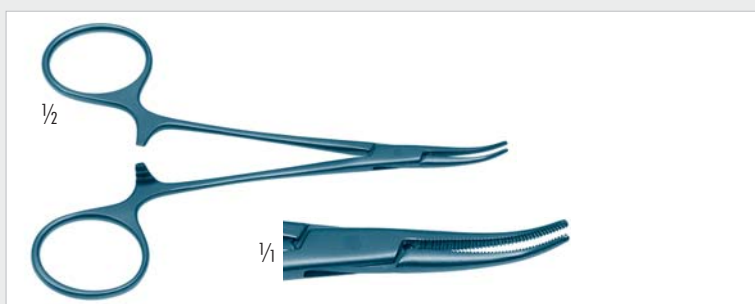
## KLEMMEN/FORCEPS



140-259-090 gebogen/curved  
140-258-090 gerade/straight

### HARTMANN

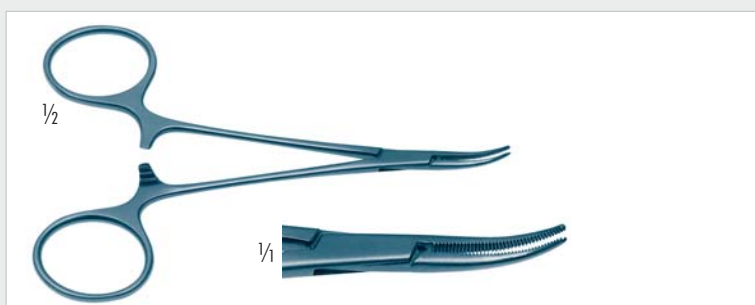
Titan Arterienklemme, 90 mm,  
Titanium Hemostatic Forceps, 3 1/2 inch



140-259-125 gebogen/curved  
140-258-125 gerade/straight

### HALSTEAD-MOSQUITO

Titan Arterienklemme, 125 mm  
Titanium Hemostatic Forceps, 5 inch



140-263-125 gebogen/curved  
140-262-125 gerade/straight

### MICRO HALSTEAD-MOSQUITO

Titan Arterienklemme, 125 mm  
Titanium Hemostatic Forceps 5 inch



140-050-038 gerade/straight  
140-051-038 gebogen/curved

### JOHNS-HOPKINS

Bulldog Klemme, gerade, 38 mm  
Bulldog Clamp, straight, 1 1/2 inch

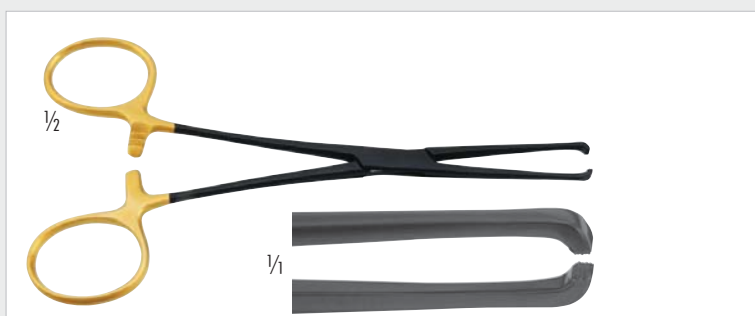


140-221-425  
**DIETRICH-DEBAKEY**

Mikro Bulldogklemme, gebogen, 14 mm Maul, Gewicht: 3 g, 46 mm  
Micro Bulldog Clamp, curved, 14 mm jaws, weight: 3 g, 1 5/8 inch

140-221-426  
**DIETRICH-DEBAKEY**

Mikro Bulldogklemme, gebogen, 20 mm Maul, Gewicht: 3 g, 49 mm  
Micro Bulldog Clamp, curved, 20 mm jaws, weight: 3 g, 2 inch

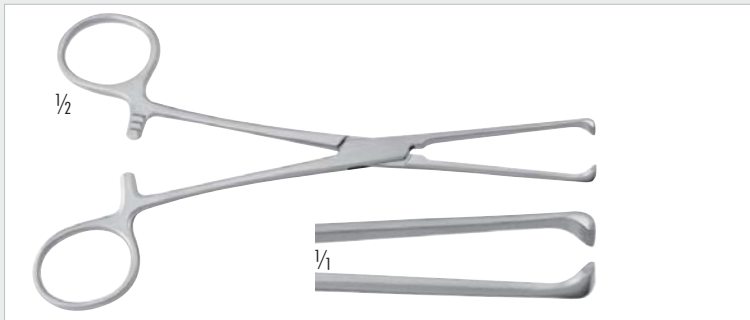


310-022-140

### ALLIS

Atraumatische TC Gewebefasszange, geschwärzt,  
mit Goldringen, 145 mm  
Atraumatic TC Tissue Grasping Forceps, blackened,  
with gold bows, 5 2/3 inch

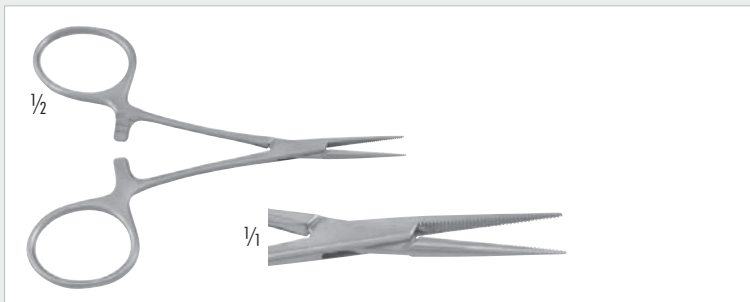
KLEMMEN/FORCEPS



310-014-150 150 mm/6 inch  
310-014-190 190 mm/7 1/2 inch

**ALLIS**

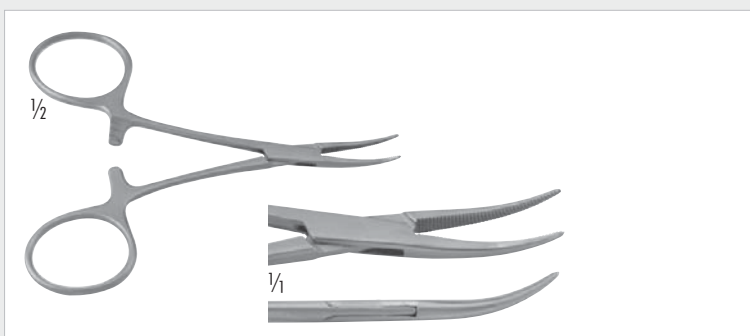
Gewebefasszange, 5 x 6 Zähne  
Tissue Forceps, 5 x 6 teeth



140-160-100

**JACOBSON**

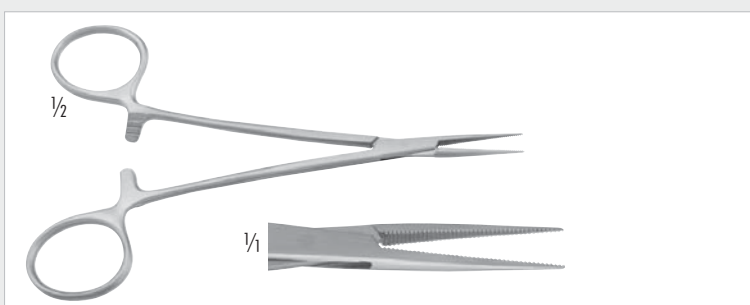
Arterienklemme, feines Modell, gerade, 0,3 mm Spitze, 100 mm  
Hemostatic Forceps, delicate, straight, 0.3 mm tips, 4 inch



140-161-100

**JACOBSON**

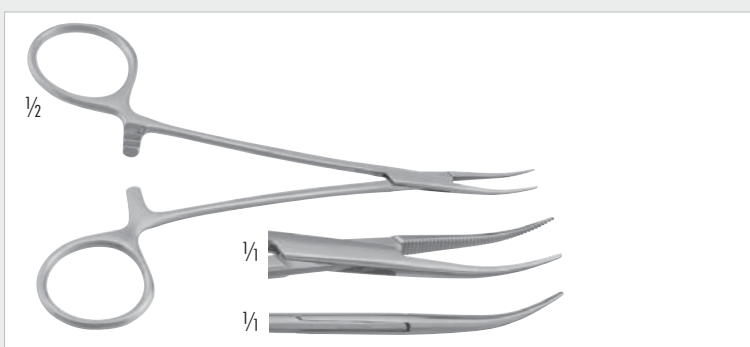
Arterienklemme, feines Modell, gebogen, 0,3 mm Spitze, 100 mm  
Hemostatic Forceps, delicate, curved, 0.3 mm tips, 4 inch



140-160-130

**JACOBSON**

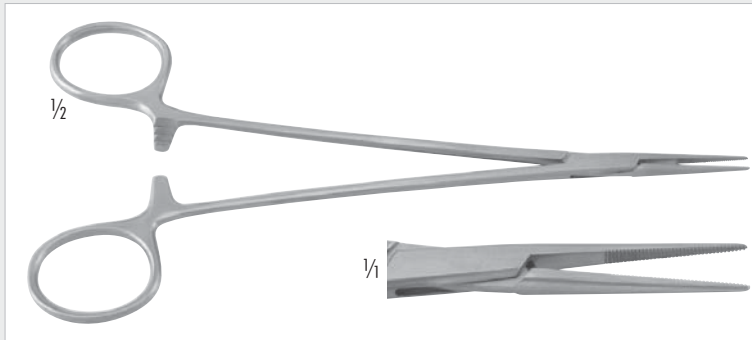
Arterienklemme, feines Modell, gerade, 0,3 mm Spitze, 130 mm  
Hemostatic Forceps, delicate, straight, 0.3 mm tips, 5 inch



140-161-130

**JACOBSON**

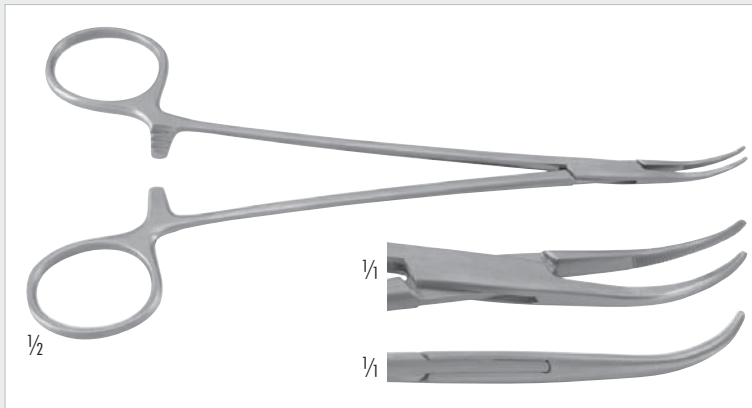
Arterienklemme, feines Modell, gebogen, 0,3 mm Spitze, 130 mm  
Hemostatic Forceps, delicate, curved, 0.3 mm tips, 5 inch



140-160-190

**JACOBSON**

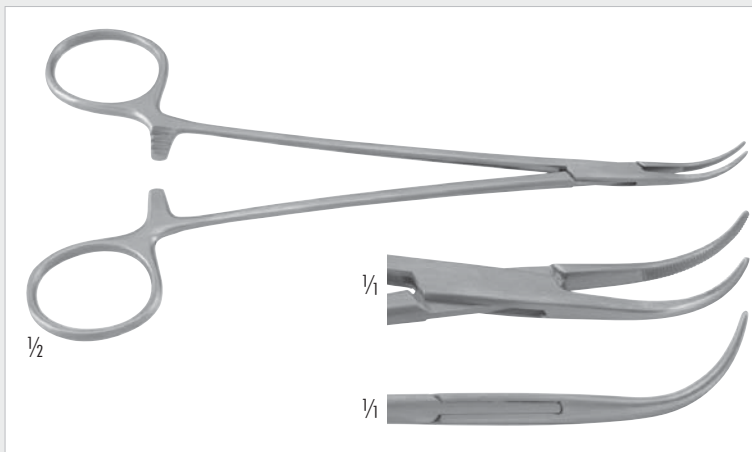
Arterienklemme, feines Modell, gerade, 0,3 mm Spitze, 190 mm  
Hemostatic Forceps, delicate, straight, 0.3 mm tips, 7 1/2 inch



140-161-190

**JACOBSON**

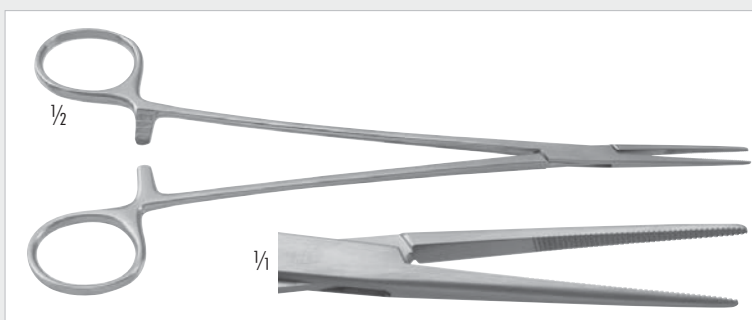
Arterienklemme, feines Modell, gebogen, 0,3 mm Spitze, 190 mm  
Hemostatic Forceps, delicate, curved, 0.3 mm tips, 7 1/2 inch



140-162-190

**JACOBSON**

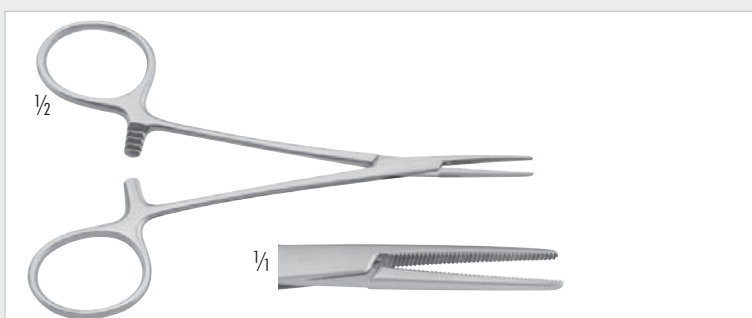
Arterienklemme, feines Modell, stark gebogen, 0,3 mm Spitze, 190 mm  
Hemostatic Forceps, delicate, strongly curved, 0.3 mm tips, 7 1/2 inch



140-160-230

**JACOBSON**

Arterienklemme, feines Modell, gerade, 0,3 mm Spitze, 230 mm  
Hemostatic Forceps, delicate, straight, 0.3 mm tips, 9 inch

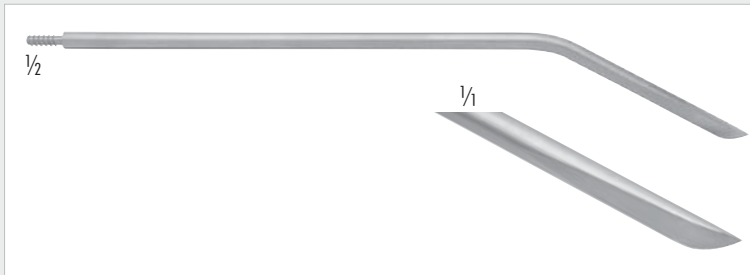


140-270-120 gerade/straight  
140-271-120 gebogen/curved

**MICRO-MOSQUITO**

Arterienklemme, 120 mm  
Hemostatic Forceps, 4 3/4 inch

## REDON NADELN/REDON NEEDLES



165-200-140

### REDON

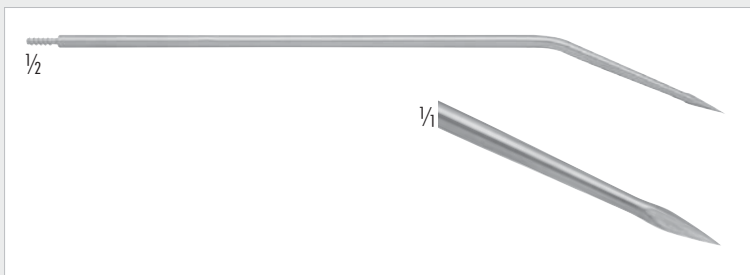
Führungsnadel, 14 Charr., leicht gebogen,  
mit Schraubgewinde, 195 mm  
Guide Needle, 14 Fr., slightly curved,  
with threaded end, 7  $\frac{2}{3}$  inch



165-202-100

### REDON

Führungsnadel, 10 Charr., gebogen,  
mit Schraubgewinde, 130 x 65 mm  
Guide Needle, 10 Fr., curved,  
with threaded end, 5 x 2  $\frac{1}{2}$  inch



165-204-100

### REDON

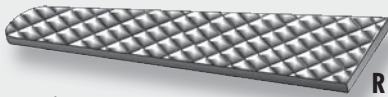
Führungsnadel, 10 Charr., mit Lanzettenspitze,  
mit Schraubgewinde, 185 mm  
Guide Needle, 10 Fr., lancet tip,  
with threaded end, 7  $\frac{1}{4}$  inch

## NADELHALTER MIT HARTMETALLEINLAGEN NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS

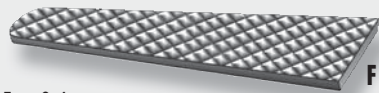


Je nach Anwendungsgebiet werden unsere **TC**-Nadelhalter mit den jeweils passenden **TC**-Einsätzen versehen.

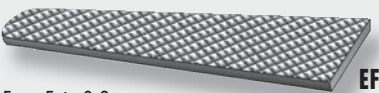
Depending on their application, our **TC**-needle holders are equipped with the most suitable **TC**-inserts.



**R**  
Normal 0.5 mm  
für Nadeln und Nahtmaterial bis Stärke 4-0  
Regular 0.5 mm  
for use with sutures up to size 4-0



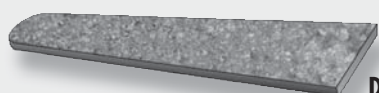
**F**  
Fein 0.4 mm  
für feine Nadeln und Nahtmaterial Stärke 5-0 und 6-0  
Fine 0.4 mm  
for delicate needles and sutures sizes 5-0 and 6-0



**EF**  
Extra-Fein 0.3 mm  
für Mikro-Nadeln und Nahtmaterial bis Stärke 10-0  
Extra-Fine 0.3 mm  
for use with micro-needles and sutures up to size 10-0



**S**  
Glatt  
für feine Nadeln und Nahtmaterial Stärke 7-0 bis 10-0  
Smooth  
for delicate needles and suture sizes 7-0 thru 10-0



**D**  
Diamantiert  
für sehr feine Nadeln und Nahtmaterial  
Diamond dusted  
for very delicate needles and suture material

gefräste Hartmetalleinlagen aus diamantharter Chrom-Wolfram-Legierung garantieren langwährenden sicheren Halt der Nadel.

milled inserts of solid Tungsten Carbide for longlasting secure grip of suture needle

gebrochene Kanten um ein Verfangen des Nahtmaterials zu vermeiden.

bevelled edges to prevent catching of suture material

durchgehend vacuum-gehärtet für gleichbleibende Elastizität und Stabilität

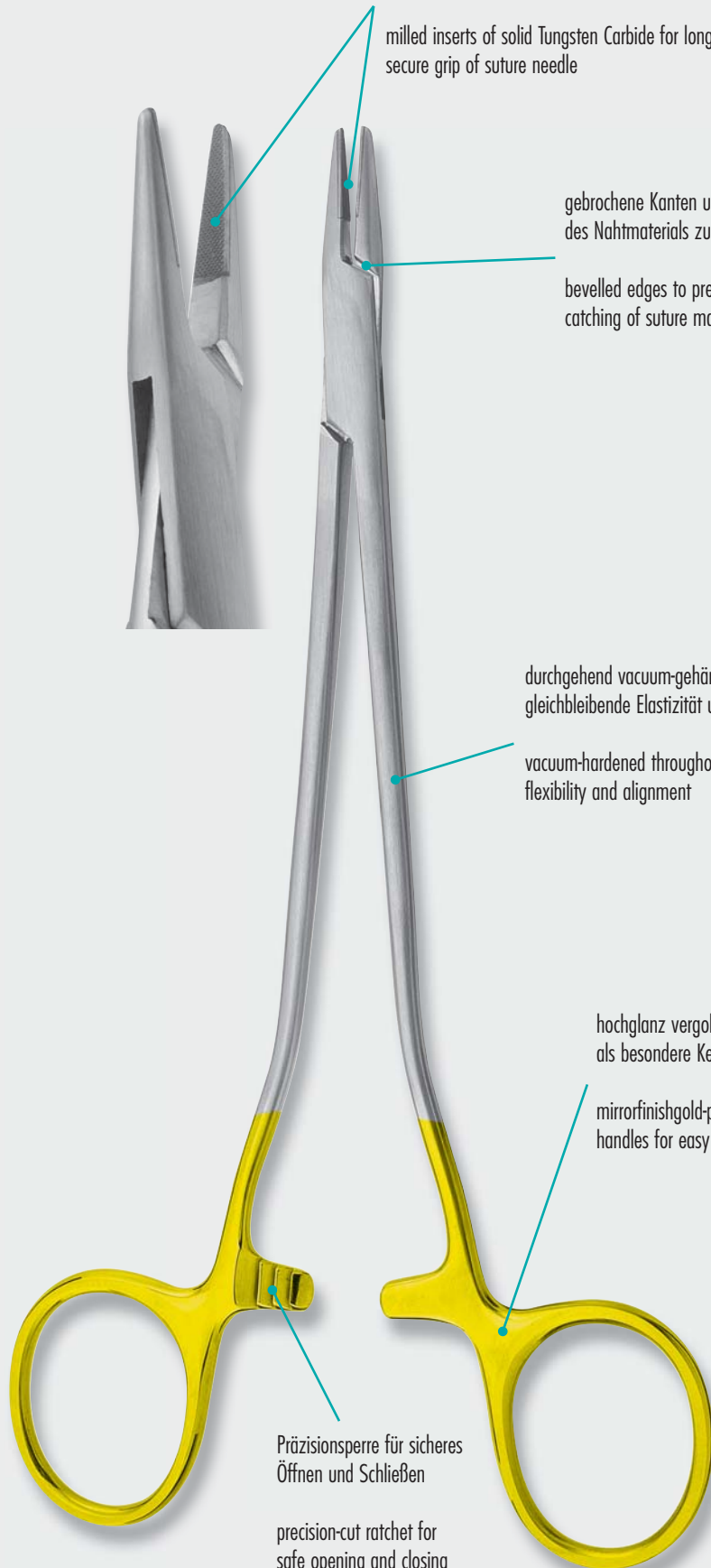
vacuum-hardened throughout for consistent flexibility and alignment

hochglanz vergoldete Fingerringe als besondere Kennzeichnung

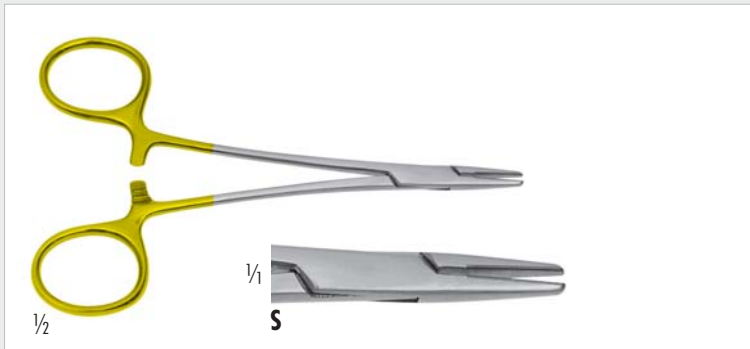
mirrorfinishgold-plated ring handles for easy identification

Präzisionsperre für sicheres Öffnen und Schließen

precision-cut ratchet for safe opening and closing



## NADELHALTER/NEEDLE HOLDERS

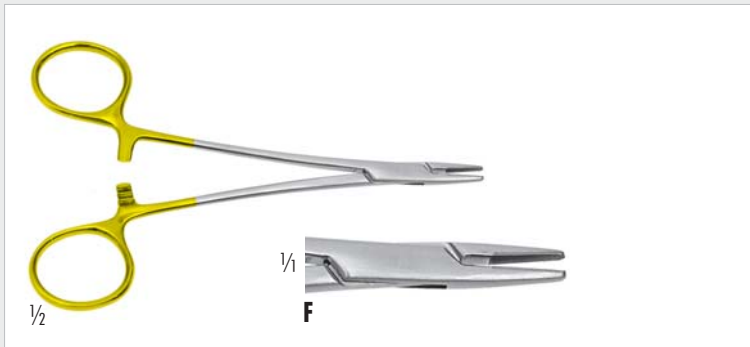


180-536-130

**HALSEY**

TC Nadelhalter, glattes Maul, 130 mm

TC Needle Holder, smooth jaws, 5 inch

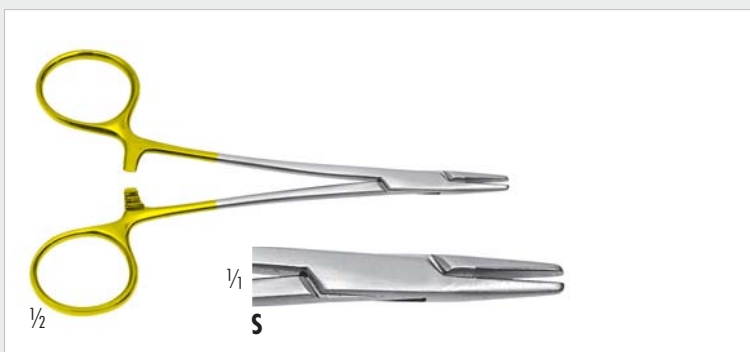


180-532-120

**DERF**

TC Nadelhalter, 120 mm

TC Needle Holder, 4 3/4 inch

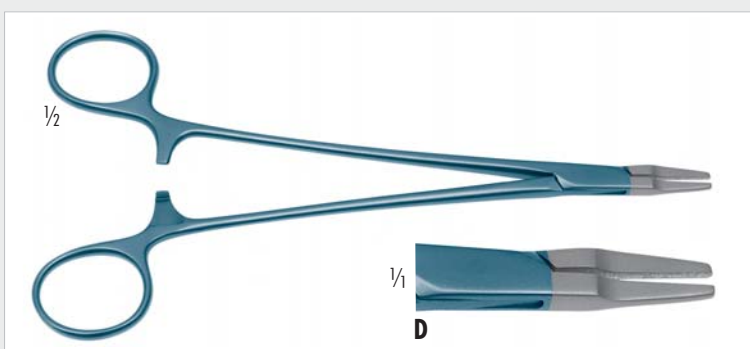


180-570-130

**WEBSTER**

TC Nadelhalter, glattes Maul, 130 mm

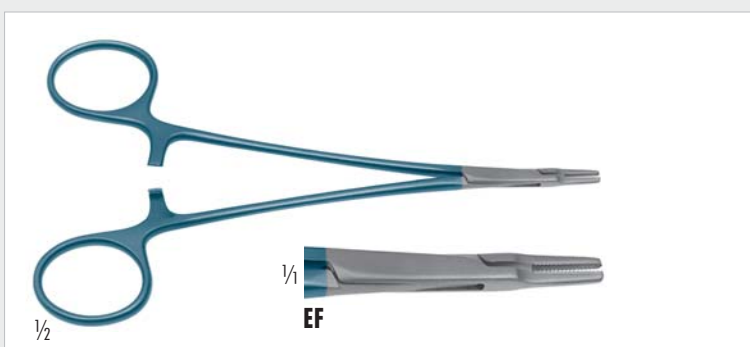
TC Needle Holder, smooth jaws, 5 inch



180-660-180

**RYDER**

Titan Nadelhalter, **diamantiertes Maul**, 2,0 mm Spitze, 180 mm  
Titanium Needle Holder, **diamond dusted jaws**, 2.0 mm tip, 7 inch



180-661-150 150 mm/6 inch

180-661-180 170 mm/7 inch

180-661-190 180 mm/7 1/2 inch

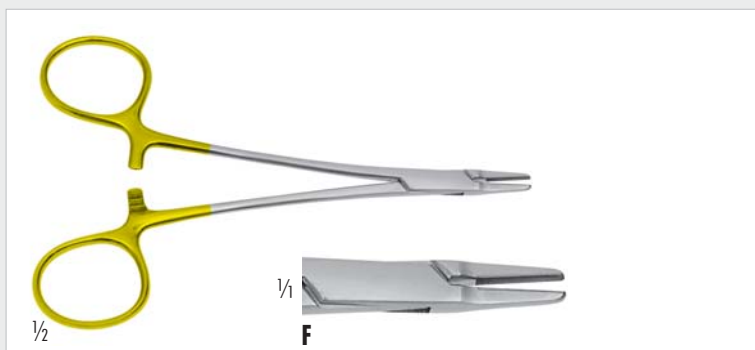
**RYDER**

Titan TC Nadelhalter, feine Spitze

Titanium TC Needle Holder, delicate tips



## NADELHALTER/NEEDLE HOLDERS

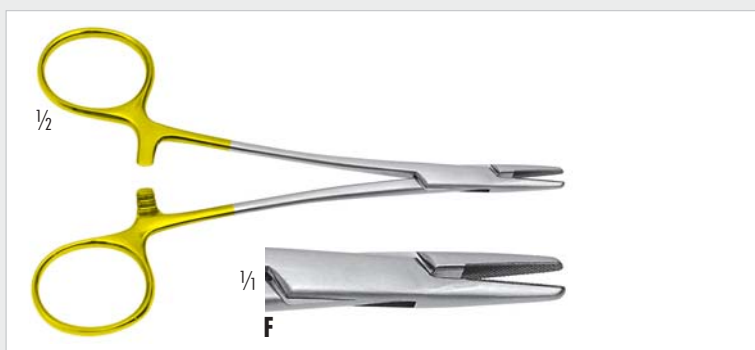


180-560-130 130 mm/5 inch  
180-560-160 160 mm/6 1/4 inch  
180-560-180 180 mm/7 inch  
180-560-200 200 mm/8 inch

### **RYDER**

**TC** Vaskular Nadelhalter

**TC** Vascular Needle Holder

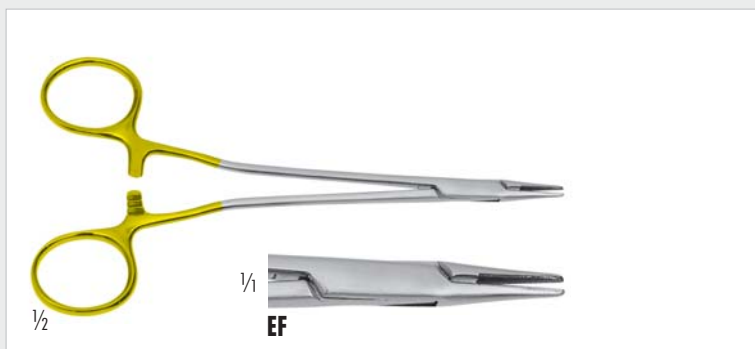


180-534-140

### **HEGAR-BAUMGARTNER**

**TC** Nadelhalter, 140 mm

**TC** Needle Holder, 5 1/2 inch



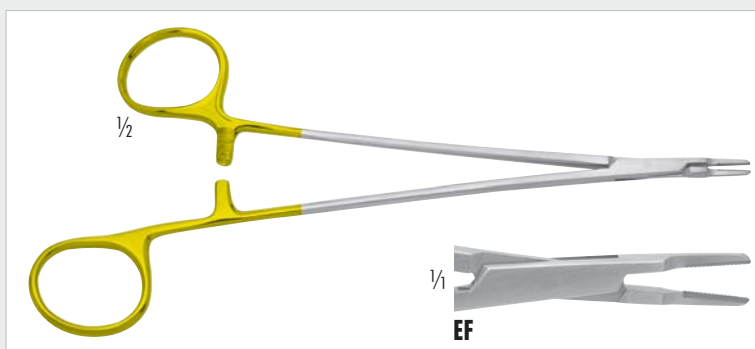
180-590-140 140 mm/5 1/2 inch

180-590-180 180 mm/7 inch

### **HEGAR-VASCULAR**

**TC** Nadelhalter

**TC** Needle Holder



180-564-195

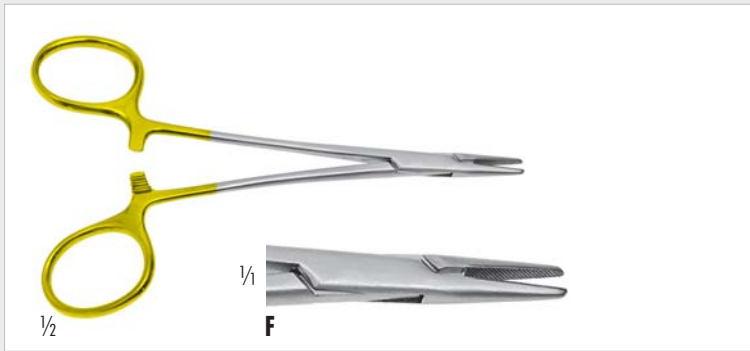
### **RUBIO**

**TC** Nadelhalter mit Offset Griff, 1,15 mm Spitze, 195 mm

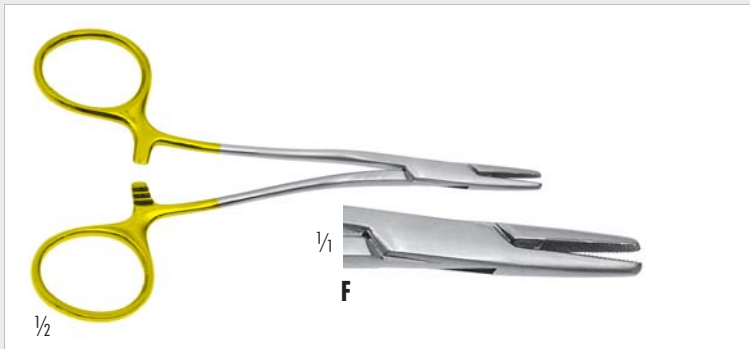
**TC** Needle Holder with Offset Handle, 1.15 mm tip, 7 2/3 inch



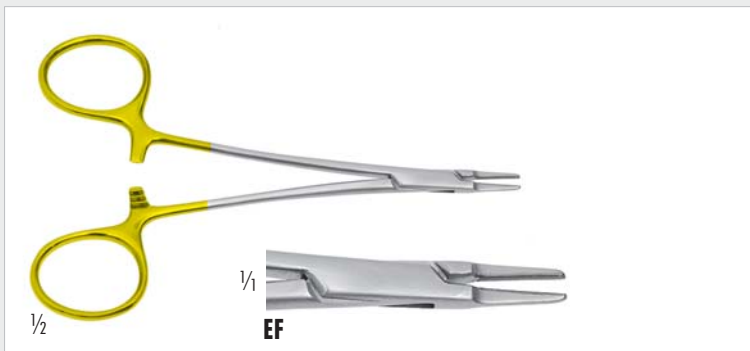
NADELHALTER/NEEDLE HOLDERS



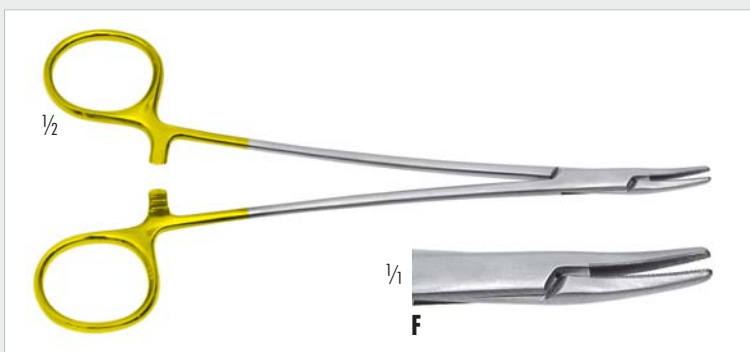
180-533-130  
**NEIVERT**  
 TC Nadelhalter, 130 mm  
 TC Needle Holder, 5 inch



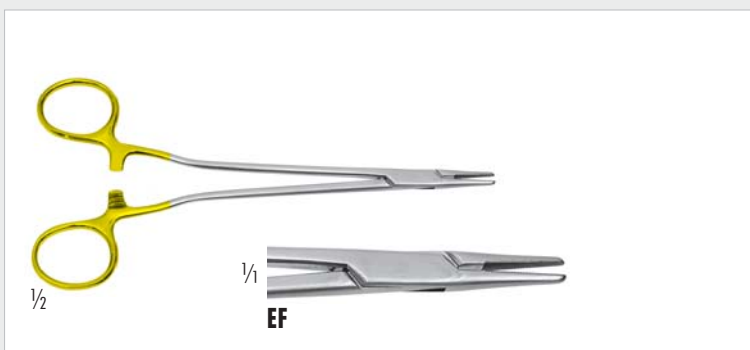
180-525-135  
**KILNER**  
 TC Nadelhalter, Schenkel gewinkelt, 135 cm  
 TC Needle Holder, shanks angled, 5 1/4 inch



180-561-130 130 mm/5 inch  
 180-561-160 160 mm/6 1/4 inch  
 180-561-180 180 mm/7 inch  
 180-561-200 200 mm/8 inch  
**RYDER**  
 TC Vaskular Nadelhalter, 1 mm  
 TC Vascular Needle Holder, 1 mm



180-549-180 gebogen, 180 mm/curved, 7 inch  
 180-549-230 gebogen, 230 mm/curved, 9 inch  
 180-548-180 gerade, 180 mm/straight, 7 inch  
 180-548-230 gerade, 230 mm/straight, 9 inch  
**DEBAKEY**  
 TC Nadelhalter  
 TC Needle Holder



180-544-120  
**CONVERSE**  
 TC Nadelhalter, 120 mm  
 TC Needle Holder, 4 3/4 inch

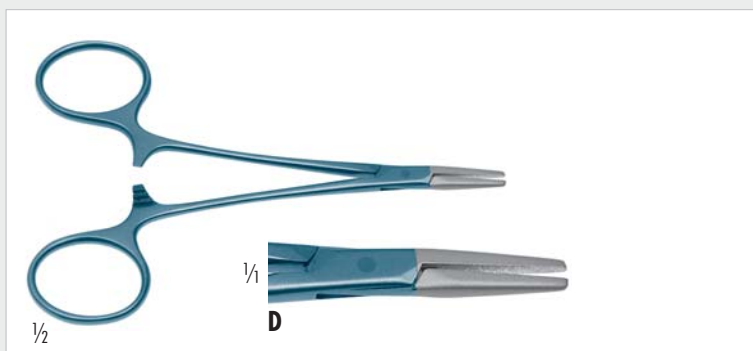


## NADELHALTER/NEEDLE HOLDERS

180-670-125

### **HALSEY**

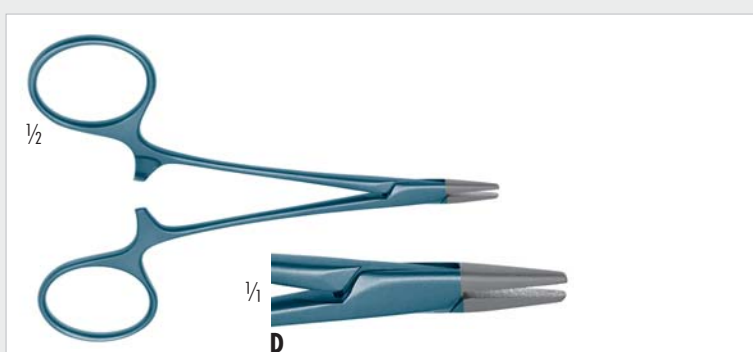
Titan Nadelhalter, **diamantiertes Maul**, 125 mm  
Titanium Needle Holder, **diamond dusted jaws**, 5 inch



180-671-115

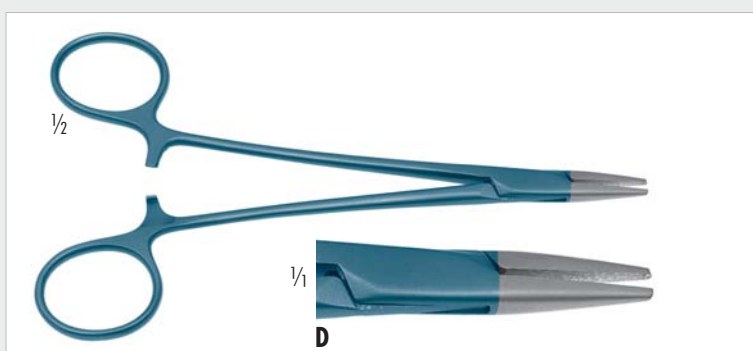
### **DERF**

Titan Nadelhalter, **diamantiertes Maul**, 125 mm  
Titanium Needle Holder, **diamond dusted jaws**, 5 inch



180-674-160

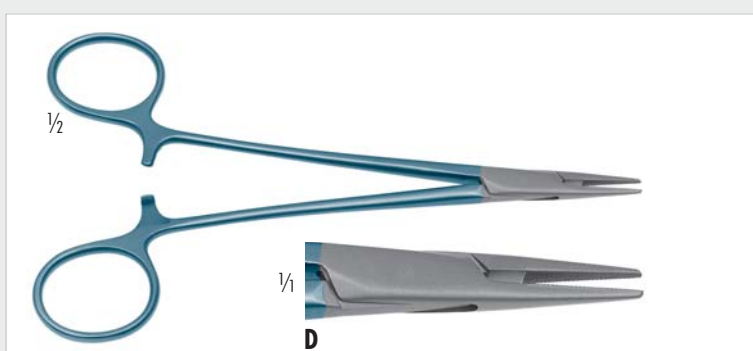
Titan Vaskular Nadelhalter, delikat,  
**diamantiertes Maul**, 160 mm  
Titanium Vascular Needle Holder, delicate pattern,  
**diamond dusted jaws**, 6 1/4 inch



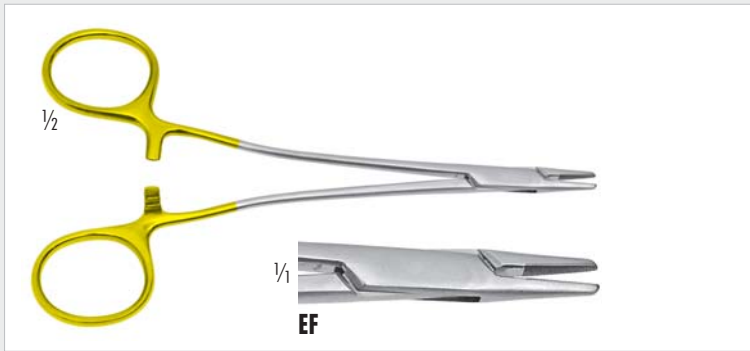
180-675-160

### **DEBAKEY**

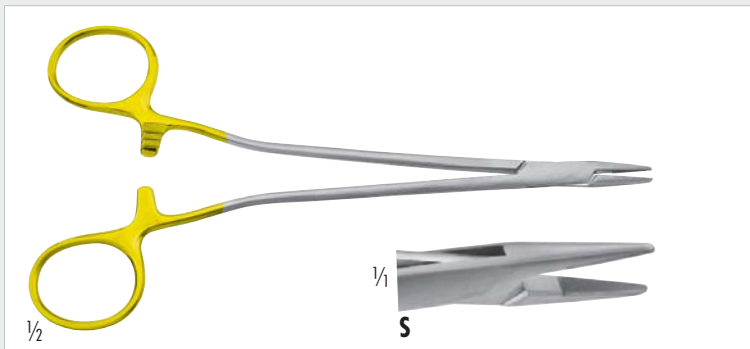
Titan Nadelhalter, **diamantiertes Maul**, 160 mm  
Titanium Needle Holder, **diamond dusted jaws**, 6 1/4 inch



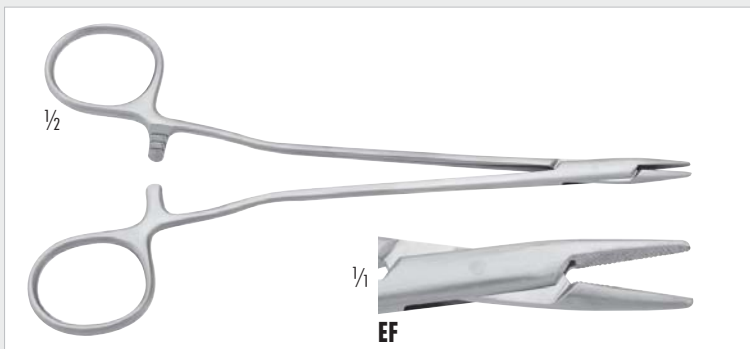
## NADELHALTER/NEEDLE HOLDERS



180-531-150  
**SENNING**  
 TC Nadelhalter, 150 mm  
 TC Needle Holder, 6 inch



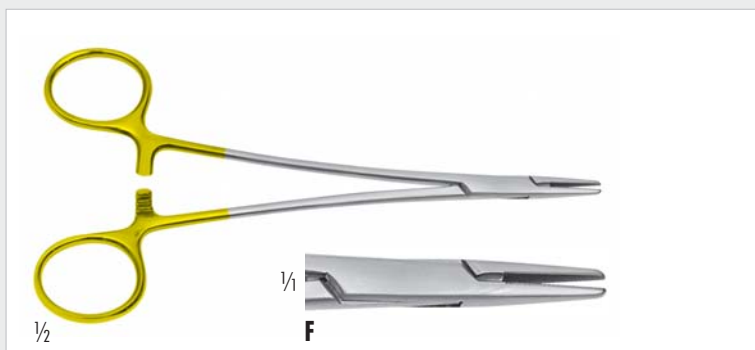
180-531-170  
**SENNING**  
 TC Nadelhalter, 170 mm  
 TC Needle Holder, 6 3/4 inch



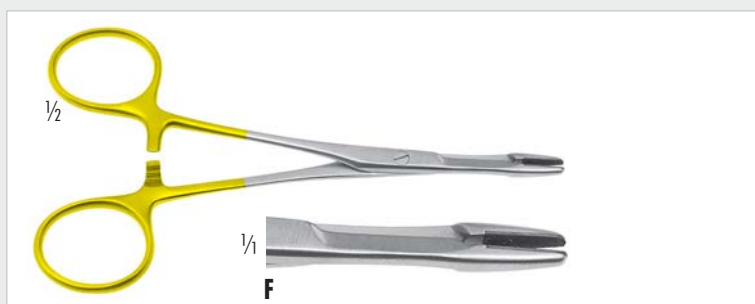
180-335-170  
**SENNING**  
 Nadelhalter, durch seine schlanke Form besonders für tiefe  
 Nähte bei rhinoplastischen Operationen geeignet, 170 mm  
 Needle Holder, slim pattern suitable for suturing in  
 rhinoplastic surgery, 6 3/4 inch



## NADELHALTER/NEEDLE HOLDERS



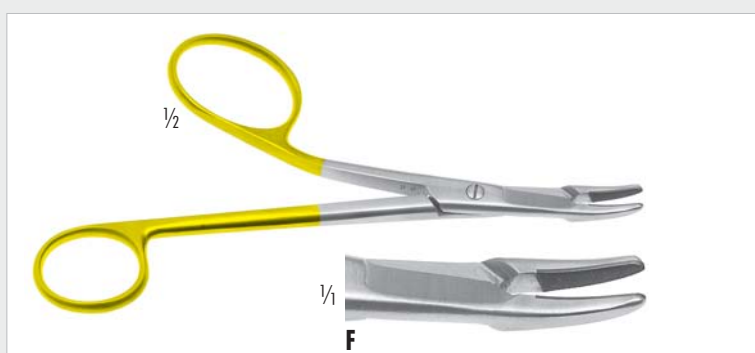
180-542-150  
**BABY CRILE-WOOD**  
TC Nadelhalter, 150 mm  
TC Needle Holder, 6 inch



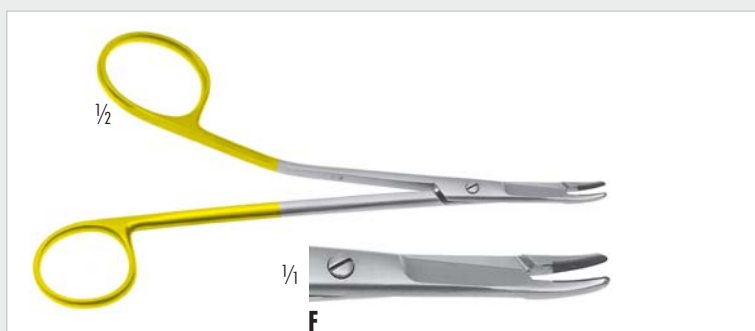
180-568-140 140 mm/5 1/2 inch  
180-568-170 170 mm/6 3/4 inch  
180-568-180 180 mm/7 inch  
**OLSEN-HEGAR**  
TC Nadelhalter  
TC Needle Holder



180-570-120  
**FOSTER-GILLIES**  
TC Nadelhalter, 120 mm  
TC Needle Holder, 4 3/4 inch

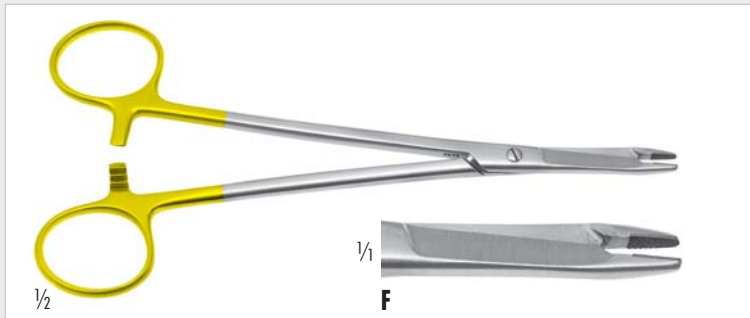


180-570-160  
**GILLIES**  
TC Nadelhalter, 160 mm  
TC Needle Holder, 6 1/4 inch



180-588-150  
**MINI GILLIES**  
TC Nadelhalter, 150 mm  
TC Needle Holder, 6 inch

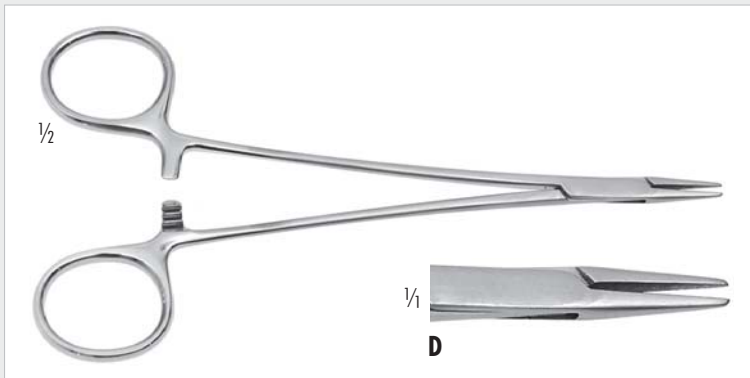
## NADELHALTER/NEEDLE HOLDERS



180-567-170 170 mm/6 3/4 inch  
180-567-190 190 mm/7 1/2 inch

### OLSEN-HEGAR

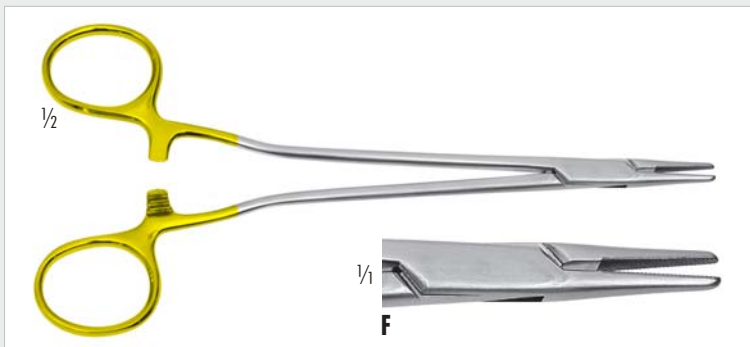
TC Nadelhalter, runder Schluß  
TC Needle Holder, round screw joint



180-648-180

### DEBAKEY

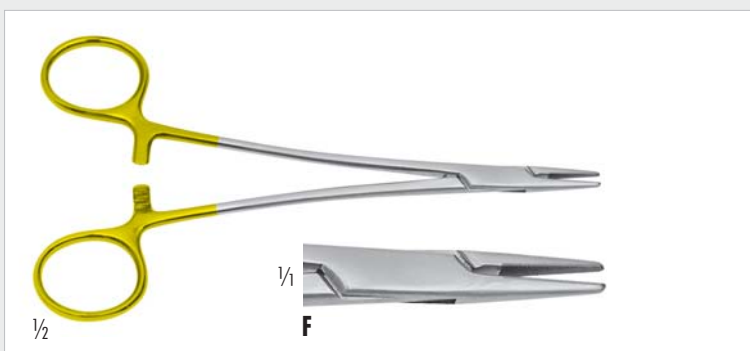
Nadelhalter, **diamantiertes Maul**, 1,0 mm Spitze, 180 mm  
Needle Holder, **diamond dusted jaws**, 1.0 mm tip, 7 inch



180-545-180 180 mm/7 inch  
180-545-200 200 mm/8 inch

### SAROT

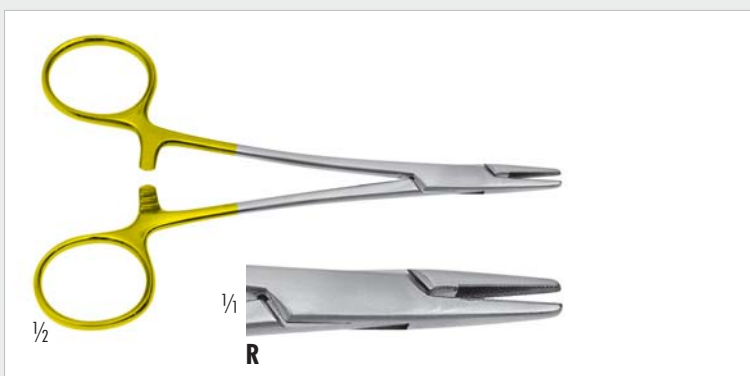
TC Nadelhalter  
TC Needle Holder



180-540-150 150 mm/6 inch  
180-540-180 180 mm/7 inch  
180-540-200 200 mm/8 inch  
180-540-230 230 mm/9 inch  
180-540-260 260 mm/10 1/4 inch

### CRILE-WOOD

TC Nadelhalter  
TC Needle Holder



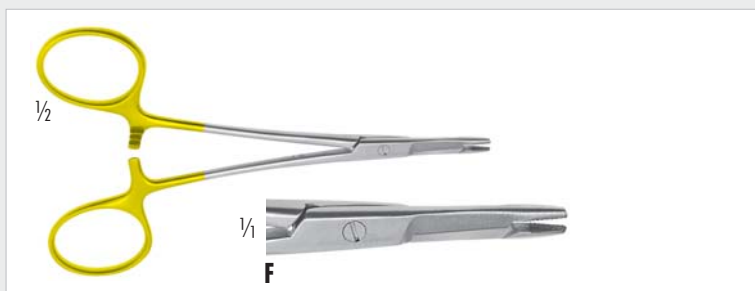
180-550-125 125 mm/5 inch  
180-550-140 140 mm/5 1/2 inch  
180-550-160 160 mm/6 1/4 inch  
180-550-180 180 mm/7 inch  
180-550-200 200 mm/8 inch  
180-550-240 240 mm/9 1/2 inch  
180-550-260 260 mm/10 1/4 inch  
180-550-300 300 mm/12 inch  
180-550-400 400 mm/15 3/4 inch

### MAYO-HEGAR

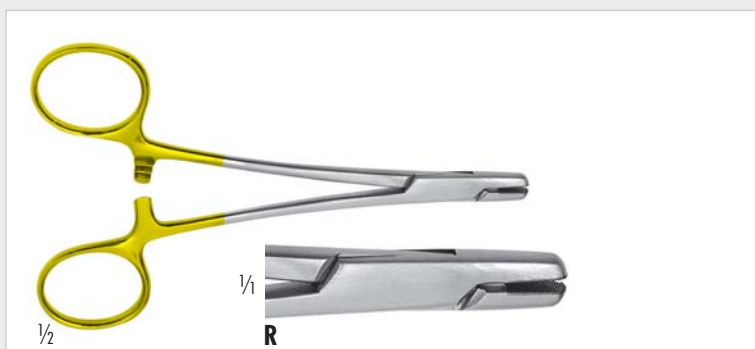
TC Nadelhalter  
TC Needle Holder



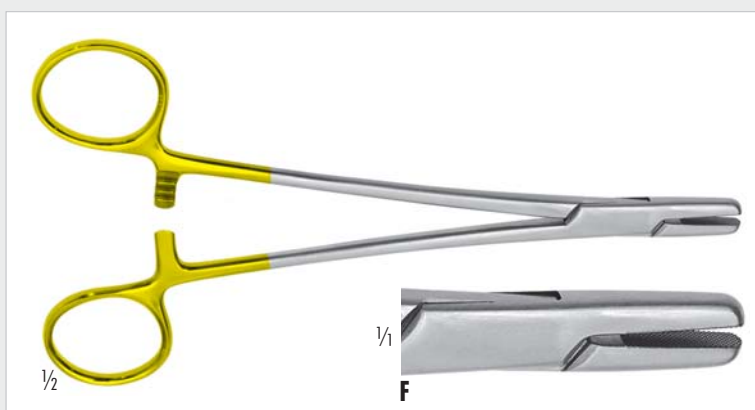
## NADELHALTER/NEEDLE HOLDERS



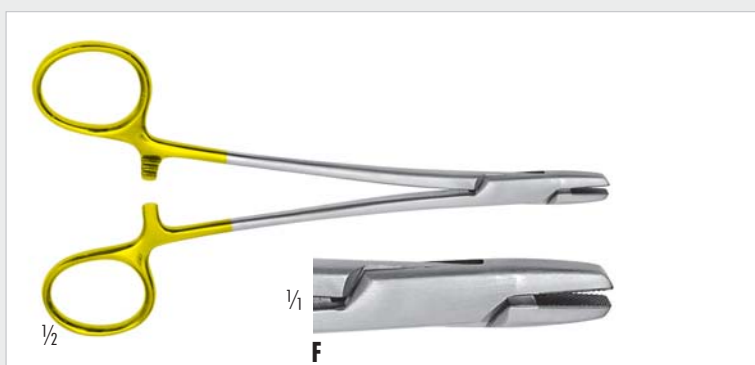
180-568-120  
**MINI OLSEN-HEGAR**  
TC Nadelhalter, 120 mm  
TC Needle Holder, 4 3/4 inch



180-569-130 130 mm/5 inch  
180-569-180 180 mm/7 inch  
TC Drahthaltezange, rundes Maul  
TC Wire Holding Forceps, round jaws



180-570-200  
**BERRY**  
TC Drahthaltezange, rundes Maul, 200 mm  
TC Wire Holding Forceps, round jaws, 8 inch



180-571-150  
TC Drahtspannzange, rechteckiges Maul, 150 mm  
TC Wire Twisting Forceps, square jaws, 6 inch

## NADELHALTER/NEEDLE HOLDERS



250-264-246 gerade/straight  
250-264-247 gebogen/curved

### JACOBSON

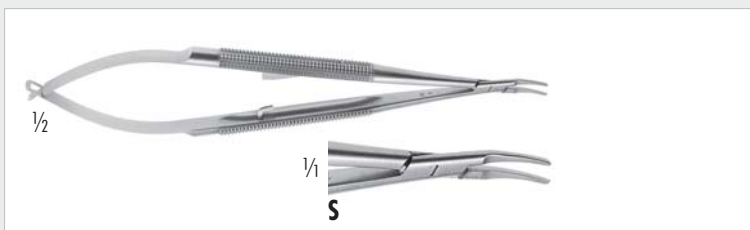
Nadelhalter, **diamantiertes Maul**, mit Sperre, 185 mm  
Needle Holder, **diamond dusted jaws**, with catch, 7 1/4 inch



180-512-145 gerade/straight  
180-513-145 gebogenes Maul/curved jaws

### BARRAQUER

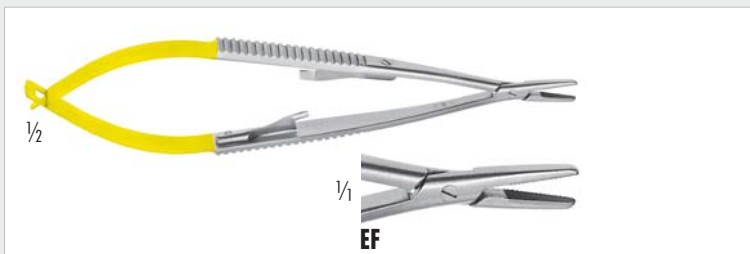
TC Nadelhalter, mit Sperre, 145 mm  
TC Needle Holder, with catch, 5 3/4 inch



400-350-135

### BARRAQUER

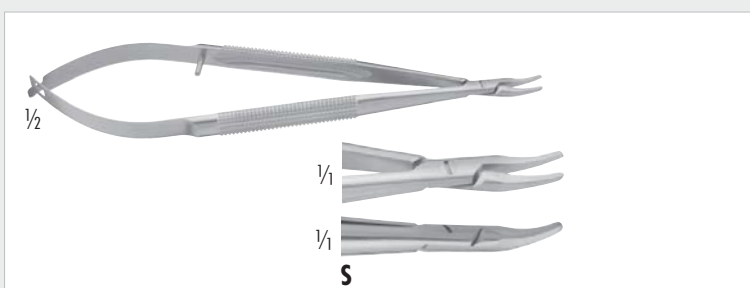
Nadelhalter, mit Sperre, glatt, feines gebogenes Maul, 135 mm  
Needle Holder, with catch, smooth jaws, delicate curved jaws, 5 3/4 inch



180-520-145 gerade/straight  
180-522-145 gebogenes Maul/curved jaws

### CASTROVIEJO

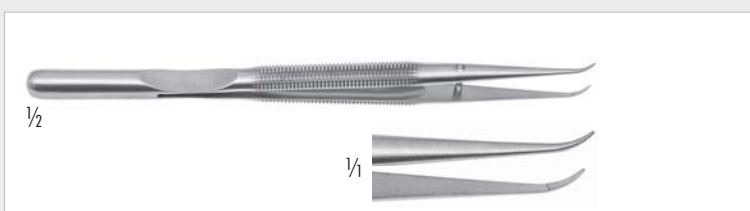
TC Nadelhalter, mit Sperre, 145 mm  
TC Needle Holder, with catch, 5 3/4 inch



400-348-135

### BARRAQUER

Nadelhalter, ohne Sperre, glatt extra feines,  
gebogenes Maul, 135 mm  
Needle Holder, without catch, smooth jaws, extra delicate,  
curved jaws 5 3/8 inch



251-660-150

Mikro Nadelhalter Pinzette mit Gewicht,  
gebogen, 0,6 mm Spitze, 150 mm  
Micro Needle Holder Forceps with weight,  
curved, 0.6 mm tip, 6 inch



## WUNDHAKEN/WOUND RETRACTORS



230-203-002

**KILNER**

Wundhäkchen zerlegbar, 2 mm Spitze, 150 mm  
Fine Wound Retractor, detachable, 2 mm tip, 6 inch



230-203-150

**KILNER (CATSPA)**

Wundhäkchen, 150 mm  
Fine Wound Retractor, 6 inch



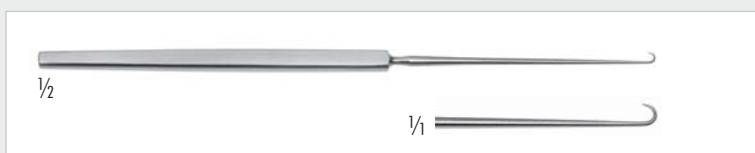
230-205-180 Fig. 1

230-207-180 Fig. 2

230-209-180 Fig. 3

**GILLIES**

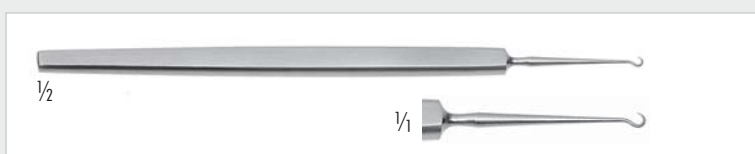
Wundhäkchen, spitz, 180 mm  
Fine Wound Retractor, sharp, 7 inch



170-014-165

**CLOWARD**

Wundhäkchen, 165 mm  
Fine Wound Retractor, 6 1/2 inch



170-010-160 spitz/sharp

170-012-160 stumpf/blunt

**GRAEFE**

Wundhäkchen, 160 mm  
Fine Wound Retractor, 6 1/4 inch

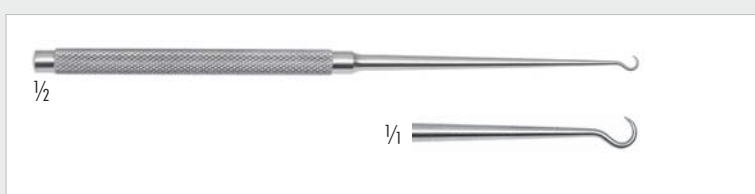


170-033-120 2 Haken/2 hooks

170-034-120 3 Haken/3 hooks

**LAHEY**

Wundhaken, spitz, 120 mm  
Wound Retractor, sharp, 4 3/4 inch



170-020-001 Fig. 1

170-020-002 Fig. 2

170-020-003 Fig. 3

**KLEINERT-KUTZ**

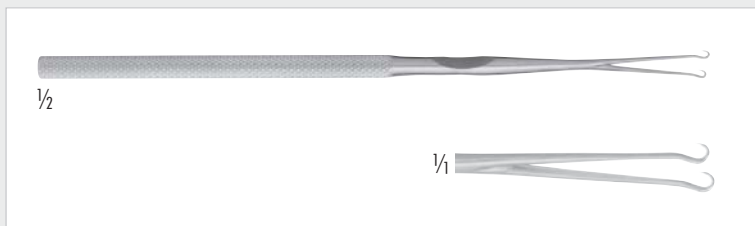
Wundhäkchen, spitz, 160 mm  
Fine Wound Retractor, sharp, 6 1/4 inch



170-021-115

**PENN (HUMBY)**

Doppelhäkchen, spitz, 115 mm  
Double Skin Hook, sharp, 4 1/2 inch



170-019-000 nicht zerlegbar/not detachable

170-020-000 zerlegbar/detachable

**BARSKY**

Wundhäkchen, 2 Haken, spitz, 150 mm  
Fine Wound Retractor, 2 hooks, sharp, 6 inch



170-020-100

Aufsatz alleine/double hook tip, only

170-015-140

**CUSHING**

Wundhäkchen, 140 mm  
Fine Wound Retractor, 5 1/2 inch

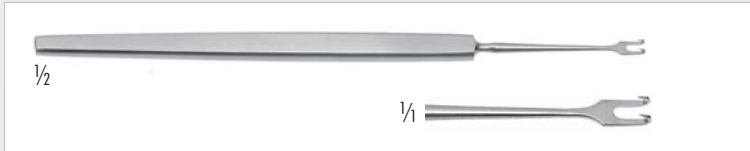
## WUNDHAKEN/WOUND RETRACTORS



170-122-175 stumpf/blunt  
170-123-175 spitz/sharp

### RZ-SQUARE

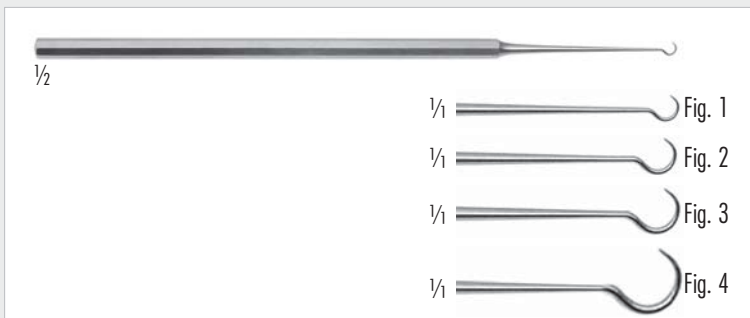
Wundhäkchen, 2 Haken, 175 mm  
Handle Retractor, 2 hooks, 6 5/8 inch



170-042-160 spitz/sharp  
170-044-160 stumpf/blunt

### GUTHRIE

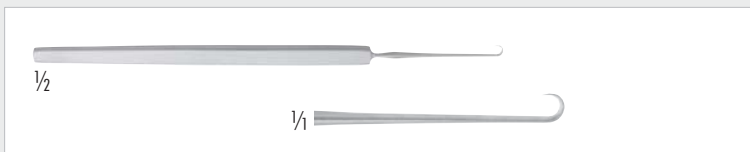
Wundhäkchen, 2 Haken, 160 mm  
Fine Wound Retractor, 2 hooks, 6 1/4 inch



170-041-001 Fig. 1 170-041-002 Fig. 2  
170-041-003 Fig. 3 170-041-004 Fig. 4

### NIRO

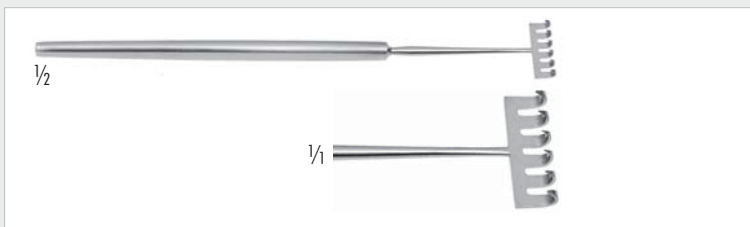
Wundhäkchen, spitz, 170 mm  
Wound Retractor, sharp, 6 3/4 inch



170-040-160

### O'CONNOR

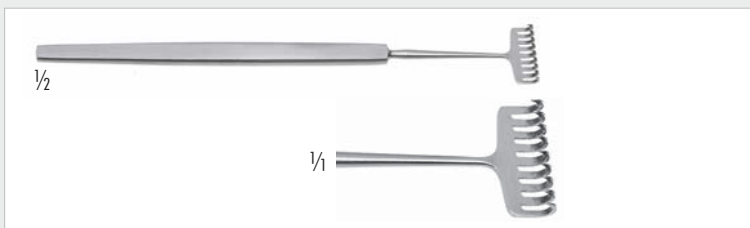
Wundhäkchen, spitz, 120 mm  
Fine Wound Retractor, sharp, 4 3/4 inch



170-081-135

### RZ

Wundhäkchen, 6 Häkchen, spitz, extra tief, 135 mm  
Fine Retractor, 6 hooks, sharp, extra deep, 5 3/8 inch



170-085-130 spitz/sharp  
170-086-130 stumpf/blunt

### MILLER

Wundhaken, 9 Häkchen, 130 mm  
Fine Wound Retractor, 9 hooks, 5 inch



170-080-001 spitz/sharp  
170-080-002 stumpf/blunt

### KNAPP

Wundhäkchen, 4 Häkchen, 130 mm  
Fine Wound Retractor, 4 hooks, 5 inch



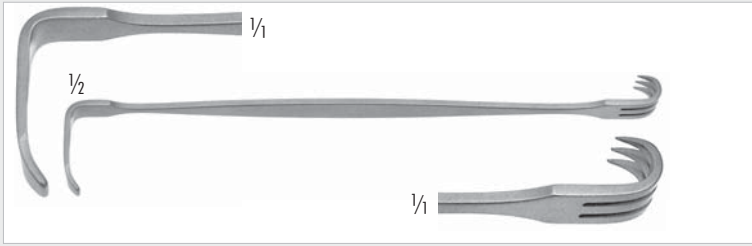
170-079-003 3 Häkchen/3 hooks  
170-079-002 2 Häkchen/2 hooks

### RAINER

Wundhaken, spitz, 180 mm  
Wound Retractor, sharp, 7 inch



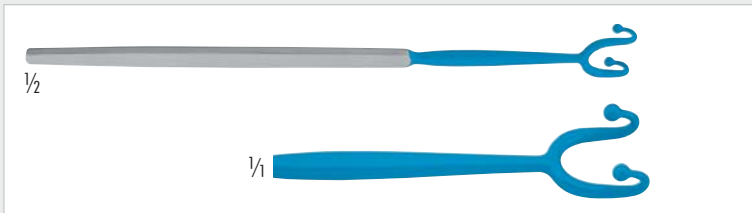
## WUNDHAKEN/WOUND RETRACTORS



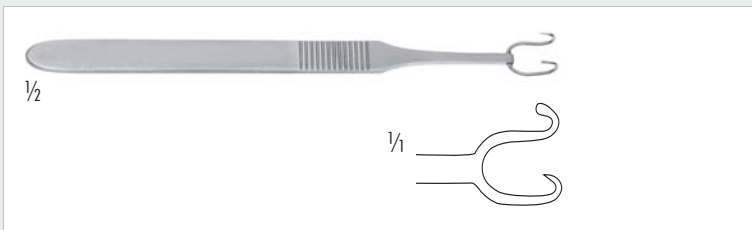
170-214-160 spitz/sharp  
170-213-160 stumpf/blunt  
**BABY SENN-MILLER**  
Wundhaken, 20 x 7 mm, 160 mm  
Retractor, 20 x 7 mm, 6 1/4 inch



230-280-160  
**FOMON**  
Häkchen mit 2 kleinen Kugeln auf den Spitzen, 160 mm  
Hooklet with two small balls on the tips, 6 1/4 inch



230-780-160  
**FOMON**  
Häkchen mit 2 kleinen **isolierten** Kugeln auf den Spitzen, 160 mm  
Hooklet with two small **insulated** balls on the tips, 6 1/4 inch



230-281-140 auf der rechten Spitze/ball on right tip  
230-282-140 Kugel auf der linken Spitze/ball on left tip  
**COTTLE**  
Häkchen mit 1 Kugel, 140 mm  
Hooklet with 1 small ball, 5 1/2 inch

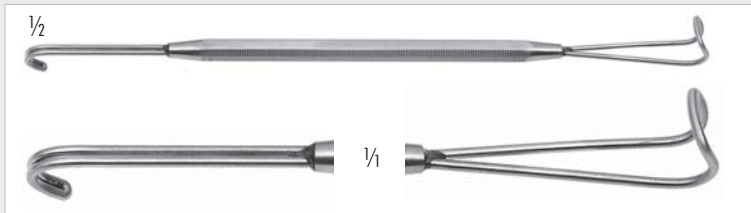


230-260-200  
**COTTLE-NEIVERT**  
doppelendiger Wundhaken, 210 mm  
Double ended Retractor, 8 1/4 inch

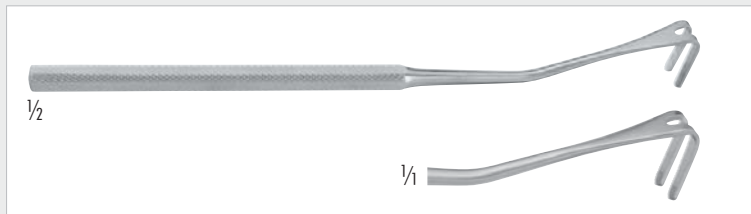


260-210-130  
Rake Retraktor 3- Zinker, 11.5cm  
Rake Retractor, Skin hook 3 prongs, 11.5cm, 4 1/2 Inch

## WUNDHAKEN/WOUND RETRACTORS



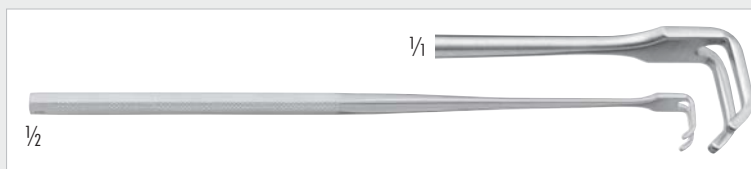
170-036-180  
**NEIVERT**  
Nasenhaken, 195 mm  
Nasal Retractor, 7 <sup>3</sup>/<sub>4</sub> inch



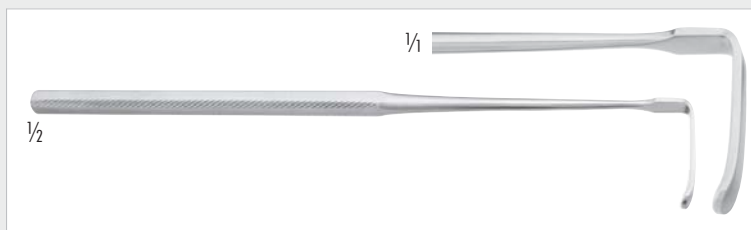
230-195-175  
**STACK**  
Gabelhaken, 15 mm tief, mit 4-kant Griff, 175 mm  
Fork Retractor, 15 mm reach, with square handle, 6 <sup>3</sup>/<sub>4</sub> inch



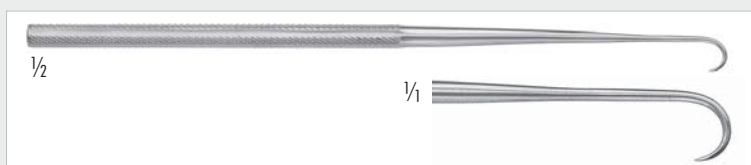
170-136-175  
**MOBERG**  
Wundhäkchen, 17 x 5 mm, 175 mm  
Wound and Skin Retractors, blade 17 x 5 mm, 6 <sup>3</sup>/<sub>4</sub> inch



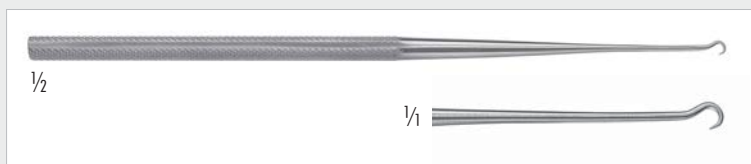
170-275-175  
Retraktor, 4-kant Griff, 75 x 15 mm, 175 mm  
Retractor, square handle, 75 mm wide, 15 mm blade length, 6 <sup>3</sup>/<sub>4</sub> inch



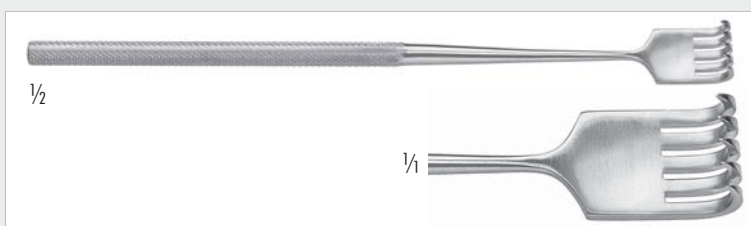
170-296-175  
**BUCK-GRAMCKO**  
Retraktor, 6 x 25 mm, 4-kant Griff, 175 mm  
Retractor, 6 x 25 mm, square handle, 6 <sup>3</sup>/<sub>4</sub> inch



170-079-175  
Hauthäkchen Square-Griff, 175 mm, 1 Zahn, scharf, 9 mm  
Square Handle hook, 1 prong, 6 <sup>3</sup>/<sub>4</sub> inch, sharp, 9 mm reach



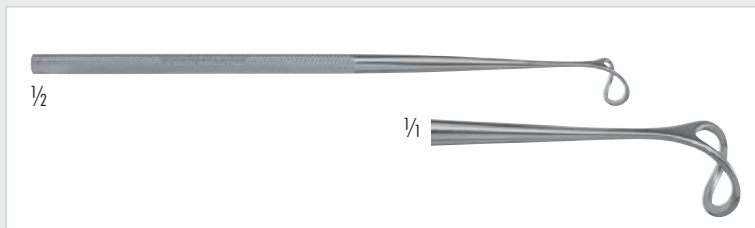
170-237-175  
**GILLIES**  
Hauthäkchen Square-Griff, 175 mm, 1 Zahn, scharf, 3,8 mm  
Square Handle hook, 1 prong, 6 <sup>3</sup>/<sub>4</sub> inch, sharp, 3.8 mm reach



170-879-175  
Hauthäkchen Square-Griff, 175 mm, 5 Zähne, scharf  
Square Handle hook, 5 prongs, 6 <sup>3</sup>/<sub>4</sub> inch, sharp

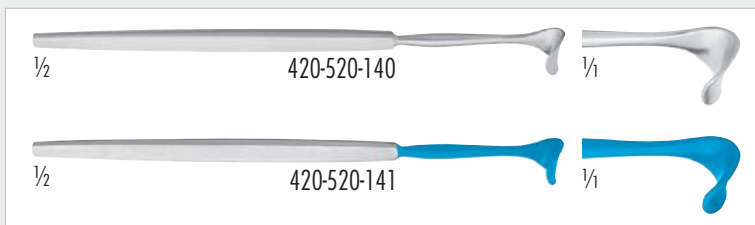


## WUNDHAKEN/WOUND RETRACTORS

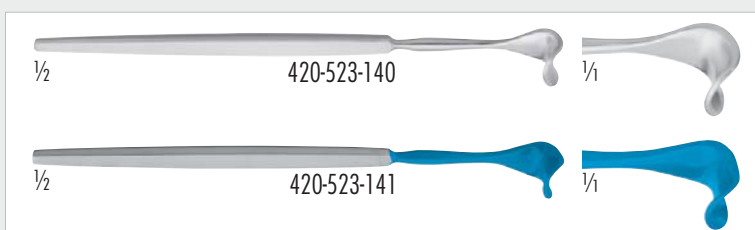


230-140-175 12 x 14 mm  
 230-160-175 13 x 16 mm  
 230-190-175 14 x 19 mm

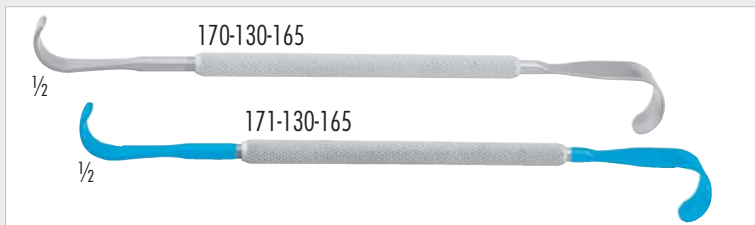
**RZ**  
 Hautretractor, mit eckigem Griff, offenes Blatt, 175 mm  
 Skin Retractor, with square handle, fenestrated blade 6 5/8 inch



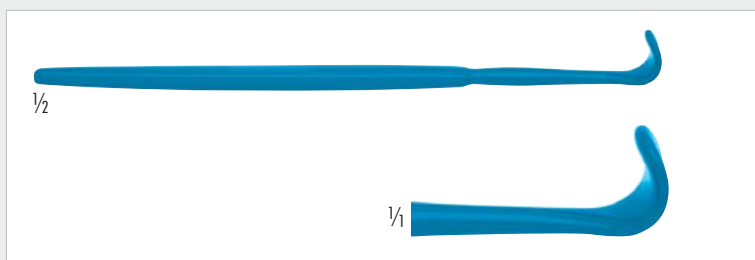
420-520-140  
 420-520-141 **isoliert/insulated**  
**MASING**  
 Nasenflügel Haken, 6 x 12 mm, 140 mm  
 Alar Retractor, 6 x 12 mm, 5 1/2 inch



420-523-140  
 420-523-141 **isoliert/insulated**  
**COTTLE**  
 Nasenflügel Retraktor, 10 x 12 mm, 140 mm  
 Alar Retractor, 10 x 12 mm, 5 1/2 inch

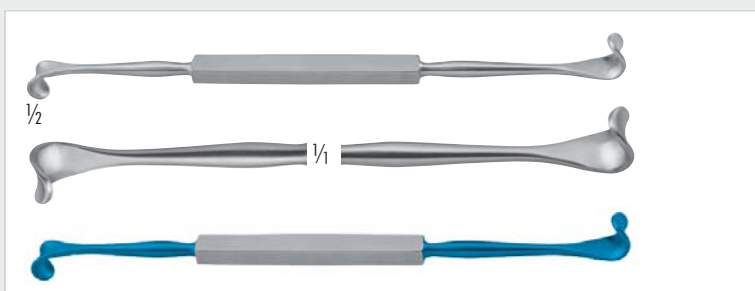


170-130-165  
 171-130-165 **isoliert/insulated**  
**KASDEN**  
 Doppelendiger Wundhaken, 165 mm  
 Double-ended Retractor, 6 1/4 inch



|             | Länge/length      | Blattbreite/bladewide |
|-------------|-------------------|-----------------------|
| 170-510-130 | 130 mm/5 inch     | 10 mm                 |
| 170-513-145 | 140 mm/5 1/2 inch | 13 mm                 |
| 170-512-160 | 160 mm/6 1/4 inch | 12 mm                 |
| 170-513-160 | 160 mm/6 1/4 inch | 13 mm                 |

**DESMARRES**  
 Blepharoplastie Wundhaken, **isoliert**,  
 Blepharoplasty Retractor, **insulated**,



260-118-150  
**DESMARRES**  
 Lidretractor, doppelendig, 8 mm/10 mm, 150 mm  
 Lidretractor, double-ended, 8 mm/10 mm 6 inch

260-118-151  
 Dito, doppelendig isoliert  
 Same, insulated double-ended

## RAKE WUNDHAKEN/RAKE RETRACTORS



260-020-038

**GORNEY**

Rake Wundhaken mit Feder, 4 Zinken, spitz, 75 mm  
Rake Retractor, with spring, 4 prongs, sharp, 3 inch



260-012-193

**FREEMAN**

Rake Wundhaken, 4 Zinken, spitz, 2 Zinken versetzt, 180 mm  
Rake Retractor, 4 prongs, sharp, 2 prongs recessed, 7 inch



260-012-195

**FREEMAN**

Rake Wundhaken, 4 Zinken, spitz, 180 mm  
Rake Retractor, 4 prongs, sharp, 7 inch



260-012-191

**FREEMAN**

Rake Wundhaken, 4 Zinken, spitz, 180 mm  
Rake Retractor, 4 prongs, sharp, 7 inch



260-012-194

**VAN SICKLE**

Rake Wundhaken, 4 Zinken, 180 mm  
Rake Retractor, 4 prongs, 7 inch



260-013-191

**FREEMAN-ADAMSON**

Facelift-Retraktor, 40 mm breit, abgewinkelt, 4 Zinken, 180 mm  
Face Lift Retractor, 40 mm wide, angled jaws, 4 prongs, 7 inch



260-012-192

**FREEMAN**

Rake Wundhaken, 4 Zinken, spitz, 100 mm  
Rake Retractor, 4 prongs, sharp, 4 inch



260-013-192

**FREEMAN**

Rake Wundhaken, 4 Zinken, 100 mm  
Rake Retractor, 4 prongs, 4 inch



## RAKE WUNDHAKEN/RAKE RETRACTORS



260-012-198

**FREEMAN**

Rake Wundhaken, 4 Zinken, 50 mm  
Rake Retractor, 4 prongs, 2 inch



260-012-398

**FREEMAN**

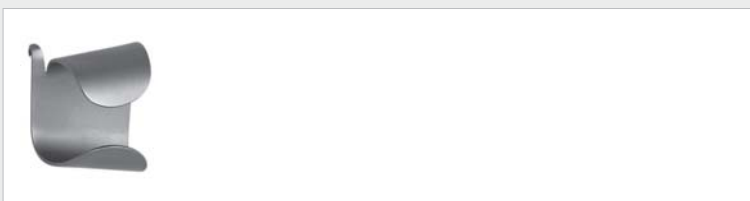
Rake Wundhaken, 4 Zinken, 50 mm  
Rake Retractor, 4 prongs, 2 inch



260-015-198

**FREEMAN**

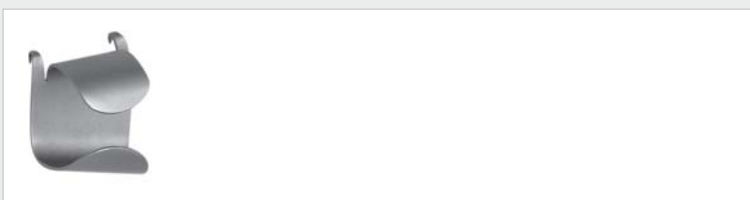
Rake Wundhaken, 20 mm breit, mit Daumenring,  
4 scharfe Zinken, abgesetzt, 50 mm  
Rake Retractor, 20 mm wide, with thumb ring,  
4 recessed prongs, 2 inch



260-418-100

**MILLARD**

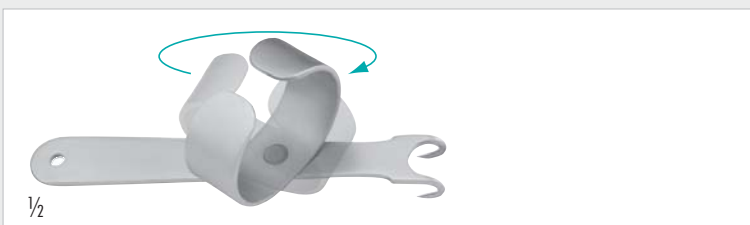
Fingerhut Wundhaken, mit 1 Zinken  
Thimble hook, with 1 prong



260-418-120

**MILLARD**

Fingerhut Wundhaken, mit 2 Zinken  
Thimble hook, with 2 prongs



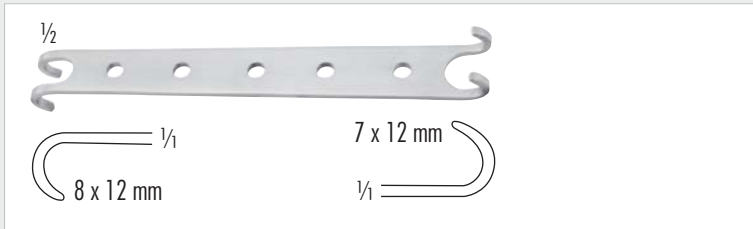
260-200-110

**RZ-NOSE**

Nasen Retraktor mit einer Fingerstütze, 110 mm, Kombination eines  
Millard Fingerhutes und eines Cottle Nasenflügelhäkchens  
Nasal retractor with thimble hook 4 3/4 inch, combination of a millard  
thimble hook and cottle alar hook



## RAKE WUNDHAKEN/RAKE RETRACTORS



260-501-120 stumpf / blunt  
260-502-120 spitz / sharp

### CONVERSE

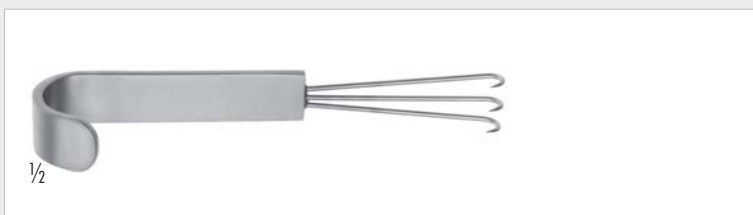
Nasenflügel Wundhaken, doppelendig, 120 mm  
Alar Retractor, double-ended, 4 3/4 inch



420-184-100 spitz/spitz / sharp/sharp  
420-185-100 stumpf/stumpf / blunt/blunt

### KILNER

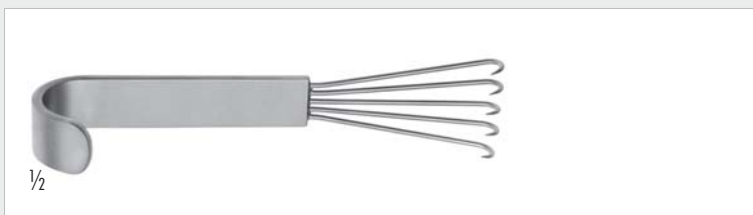
Nasenhaken, 85 mm  
Nasal Retractor, 3 1/8 inch



260-012-212

### ANDERSON

Wundhaken, 3 Zinken, 120 mm  
Retractor, 3 prongs, 4 3/4 inch



260-012-210

### ANDERSON

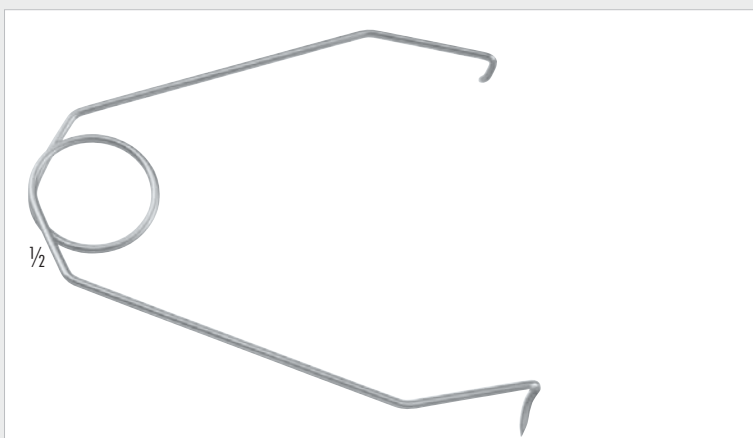
Wundhaken, 5 Zinken, 120 mm  
Retractor, 5 prongs, 4 3/4 inch



260-711-110

### SISSON

Drahtspreizer, stark abgewinkelt, mit Sperre,  
1 x 1 scharfe Zähne, 105 mm  
Wire spring retractor, 1 x 1 sharp prongs, overall length: 4 1/8 inch



170-711-140

### FARR

Retraktor Draht, 16 mm Blatt, 140 mm  
Retractor Wire, blade: 5/8 inch, 5 1/2 inch

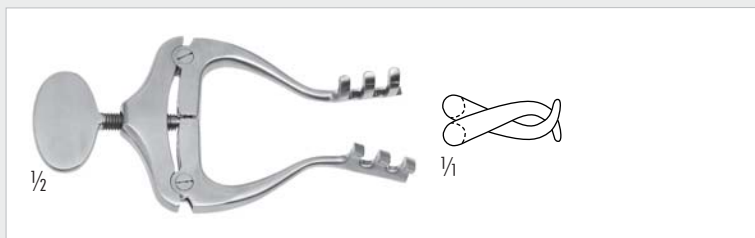
## WUNDSPREIZER/RETRACTORS



170-714-100 spitz/sharp  
170-715-100 stumpf/blunt

### ALM

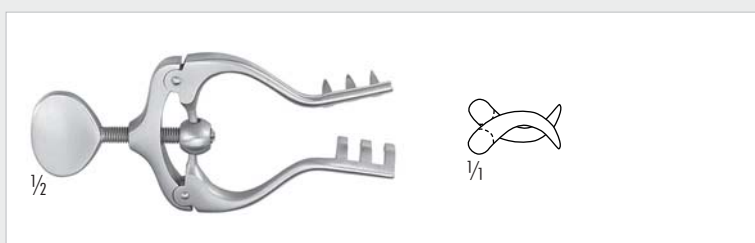
Wundsperrer, 5 mm lange Zähne, 100 mm  
Self Retaining Retractor, 5 mm long teeth, 4 inch



170-723-100

### JANSEN

Wundspreizer, stumpf, 100 mm  
Self Retaining Retractor, blunt, 4 inch



170-720-100

### JANSEN

Wundspreizer, spitz, 100 mm  
Self Retaining Retractor, sharp, 4 inch



170-749-105 stumpf/blunt  
170-750-105 halbscharf/semi-sharp

### WEITLANER-LOKTITE

Wundspreizer, 105 mm  
Self Retaining Retractor, 4 1/2 inch



400-850-240 klein 24 x 21 mm/small 24 x 21 mm  
400-850-255 medium 25,5 x 22 mm/medium 25.5 x 22 mm  
400-850-265 groß 26,5 x 23 mm/large 26.5 x 23 mm

### RZ

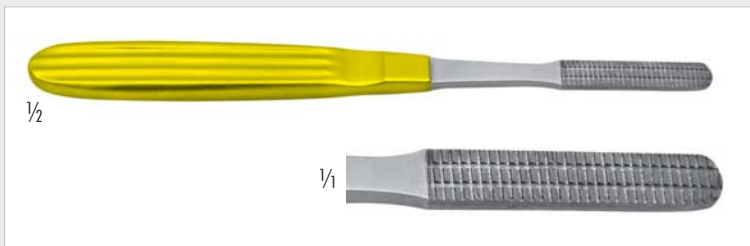
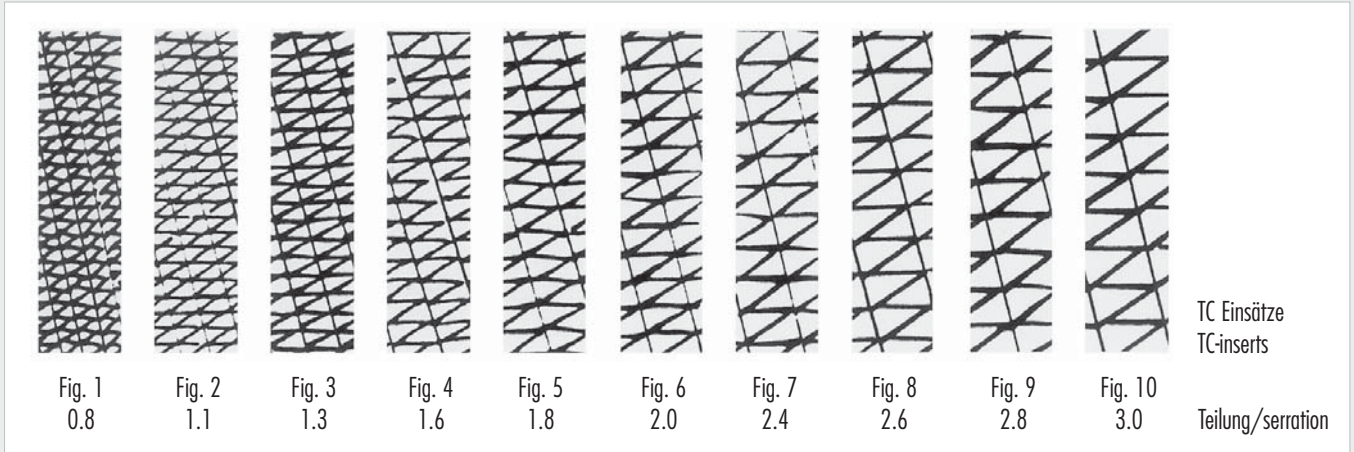
Okularschild inkl. Sauggriff  
Ocular Shield incl. suction cup



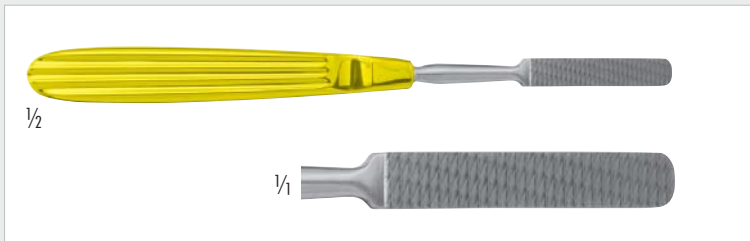
## NASENRASPELN/NASAL RASPS

Hauptvorteile der RZ Hartmetall-Raspeln im Gegensatz zu den konventionellen Raspeln sind die ausgezeichneten Schneideigenschaften, verlängerte Lebensdauer und ein sauberer, präziser Schnitt.

The major advantages of the RZ Tungsten carbide rasps over conventional models are their superior cutting ability, increased longevity and a clean, precise cut.



420-672-000 auf Zug/backward cutting  
 420-672-004 auf Druck/forward cutting  
**ORIGINAL MALTZ**  
 TC Nasenraspel, gerade, 180 mm  
 TC Nasal Rasp, straight, 7 inch



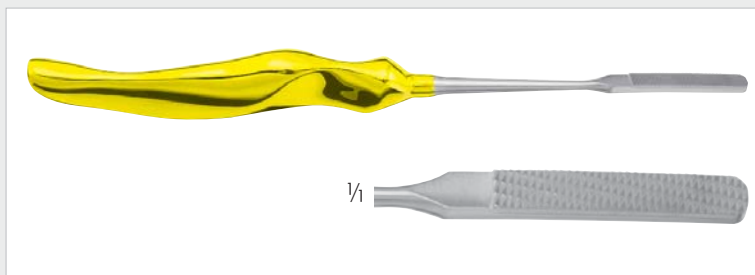
420-492-165 Fig. 2/fig. 2  
 420-493-165 Fig. 3/fig. 3  
 420-494-165 Fig. 4/fig. 4  
 420-495-165 Fig. 5/fig. 5  
 420-496-165 Fig. 6/fig. 6  
**MALTZ**  
 TC Nasenraspel, 170 mm  
 TC Nasal Rasp, 6 2/8 inch



420-497-210 Nr.8, gerade/No.8, straight  
 420-499-299 Nr.4, gerade/No.4, straight  
 420-498-210 Nr.5, gerade/No.5, straight  
**PARKES**  
 TC Nasenraspel, 8 x 39 mm, 210 mm  
 TC Nasal Rasp, 8 x 39 mm, 8 1/4 inch



## NASENRASPELN/NASAL RASPS



- 420-491-230 Fig. 1/fig. 1
- 420-492-230 Fig. 2/fig. 2
- 420-493-230 Fig. 3/fig. 3
- 420-494-230 Fig. 4/fig. 4
- 420-495-230 Fig. 5/fig. 5
- 420-496-230 Fig. 6/fig. 6
- 420-497-230 Fig. 7/fig. 7
- 420-498-230 Fig. 8/fig. 8

### LAMB

TC Nasenraspel, mit Ergo Griff, 230 mm

TC Nasal Rasp, with Ergo handle, 9 inch



420-480-200

### ASTON

TC Nasenraspel, fein, auf Zug, gerade, 200 mm

TC Nasal Rasp, fine, backward cutting, straight, 8 inch

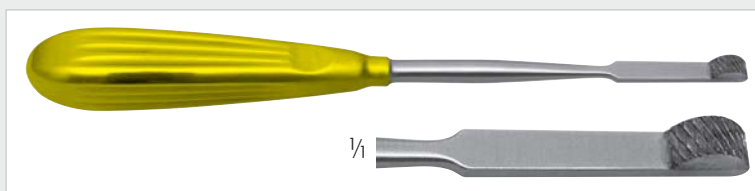


420-488-200

### ASTON

TC Nasenraspel, grob, auf Zug, gerade, 200 mm

TC Nasal Rasp, coarse, backward cutting, straight, 8 inch



420-669-210

### GLABELLA

TC Nasenraspel, mittel, 210 mm

TC Nasal Rasp, medium, 8 1/4 inch

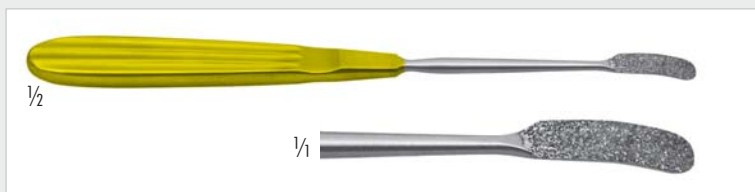


420-650-101

### AUFRICHT

Nasenraspel, fein, gebogen, **RZ diamantiert**, 7 x 25 mm, 200 mm

Nasal Rasp, fine, curved, **RZ diamond tip**, 7 x 25 mm, 8 inch



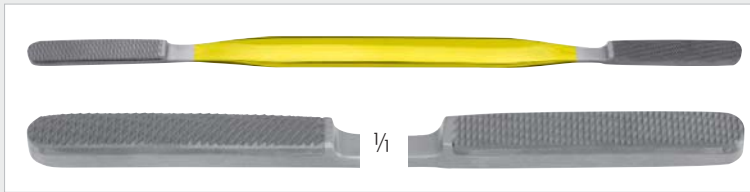
420-650-100

### PEET-COTTLE

Nasenraspel, gebogen, **RZ diamantiert**, 175 mm

Nasal Rasp, curved, **RZ diamond tip**, 7 inch

## NASENRASPELN/NASAL RASPS



- 420-660-214 Fig. 3/Fig. 4  
 420-660-216 Fig. 5/Fig. 6  
 420-660-218 Fig. 7/Fig. 8  
 420-660-219 Fig. 1/Fig. 2  
 420-660-220 Fig. 9/Fig. 10

### FOMON

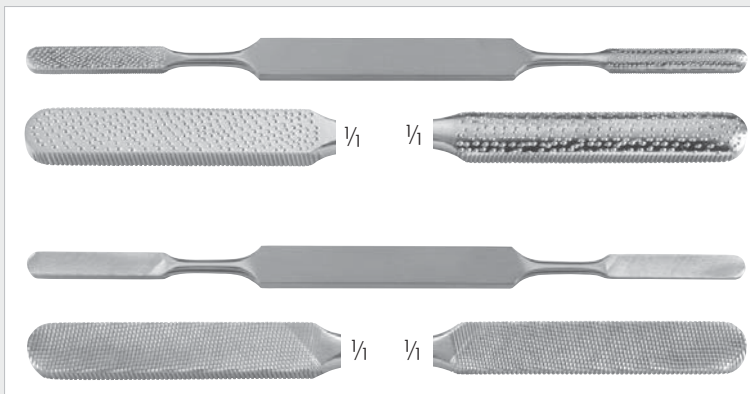
TC Nasenraspel, doppelendig, grob und fein, 7 x 40 mm, 210 mm  
 TC Nasal Rasp, double-ended, coarse and fine, 7 x 40 mm, 8 1/4 inch



420-653-000

### FOMON

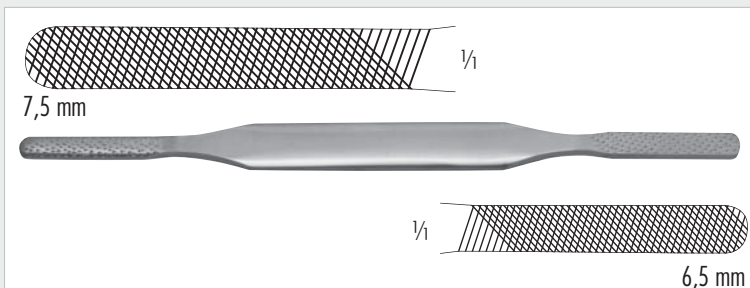
Raspel, doppelendig, grob, **RZ diamantiert**,  
 convex/flach, 7 x 40 mm, 210 mm  
 Rasp, double ended, coarse **RZ diamond tip**,  
 convex on flat, 7 x 40 mm, 8 1/4 inch



420-661-100

### FOMON

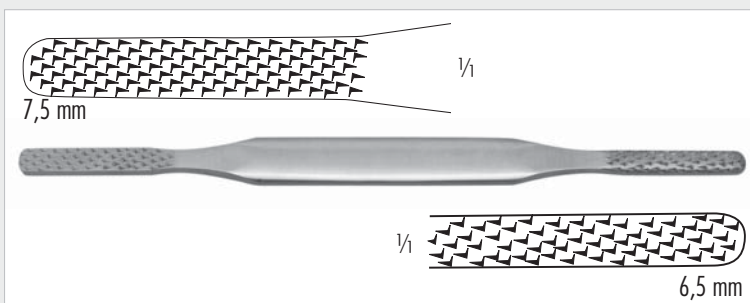
Doppelraspel, Vorderseite grob, Rückseite fein, 215 mm  
 Rasp, double-ended, frontside coarse teeth, backside fine, 8 1/2 inch



420-661-000

### FOMON

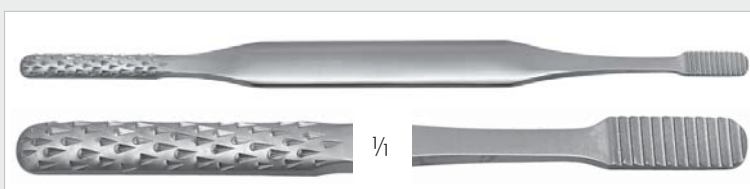
Doppelraspel, fein, 215 mm  
 Rasp, double-ended, fine, 8 1/2 inch



420-660-000

### FOMON

Doppelraspel, grob, 215 mm  
 Rasp, double-ended, coarse teeth, 8 1/2 inch



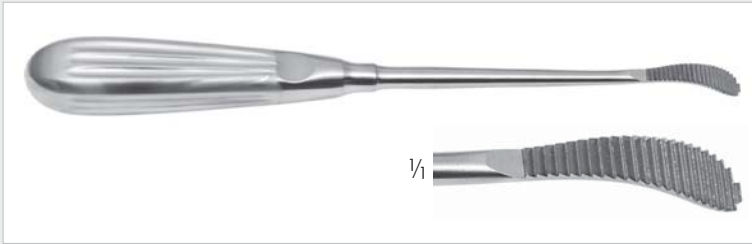
420-677-210

### FRIEDMAN

Nasenraspel, doppelendig mit geschlagenen Zähnen  
 und Lewis Arbeitsende, 210 mm  
 Nasal Rasp, double-ended with coarse teeth and  
 Lewis sweeper, 8 1/4 inch



## NASENRASPELN/NASAL RASPS



420-650-002 auf Druck schneidend/set to cut on up stroke  
420-650-001 auf Zug schneidend/set to cut on down stroke

### AUFRICHT

Nasenraspel, gebogen, 9 mm, 90° quer gerieft, 220 mm  
Nasal Rasp, curved, 9 mm, 90° cross-serrated, 8 3/4 inch



420-756-180

### BARSKY-GLABELLA

Nasenraspel, **auf Zug**, gebogen, 175 mm  
Nasal Rasp, **backward** cutting, curved, 6 3/4 inch



420-655-180

### MCINDOE

Nasenraspel, **auf Zug**, gerade, 180 mm  
Nasal Rasp, **backward** cutting, straight, 7 inch



420-656-180

### MCINDOE

Nasenraspel, **auf Druck**, gerade, 180 mm  
Nasal Rasp, **forward** cutting, straight, 7 inch



420-654-180 auf Zug/backward cutting

420-657-180 auf Druck/forward cutting

### ORIGINAL MALTZ

Nasenraspel, gerade, 180 mm  
Nasal Rasp, straight, 7 inch



420-670-210

### COTTLE

Nasenraspel, **auf Zug**, gerade, 210 mm  
Nasal Rasp, **backward** cutting, straight, 8 1/4 inch





## NASENRASPELN/NASAL RASPS



420-692-200

### LAMONT

Nasenraspel, **auf Zug**, breites Modell, gerade, grobe Zähne, 175 mm

Nasal Rasp, **backward** cutting, wide pattern, straight, aggressive teeth, 6 3/4 inch



420-690-200

### LAMONT

Nasenraspel, schlankes Modell, **auf Zug**, gerade, feine Zähne, 175 mm

Nasal Rasp, delicate pattern, **backward** cutting, straight, fine teeth, 6 3/4 inch

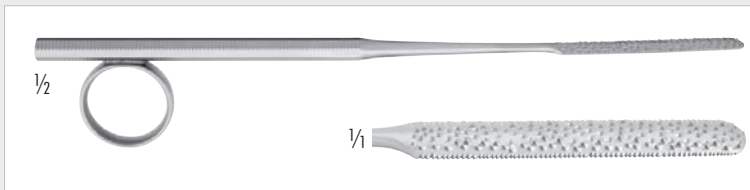


420-691-200

### LAMONT

Nasenraspel, **auf Zug**, gerade, feine Zähne, 175 mm

Nasal Rasp, **backward** cutting, straight, fine teeth, 6 3/4 inch



420-678-190

### GALLAHER

Nasenraspel mit Ring, grob, 190 mm

Nasal Rasp with ring, coarse, 7 1/2 inch



420-520-170 feine Zahnung/fine serration

420-521-170 grobe Zahnung/coarse serration

### WATSON-WILLIAMS

Nasenraspel rund, konvex, aufgebogener Schaft, 170 mm

Nasal Rasp, rounded with convex blade, 6 3/4 inch



260-500-001

Drahtbürste zum Reinigen von Raspeln, 165 mm

Wire Brush for cleaning Rasps, 6 1/2 inch



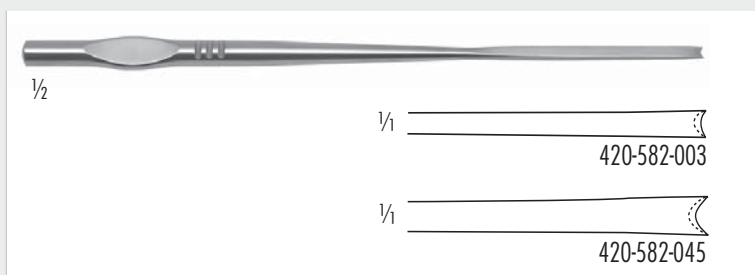


## NASEN OSTEOTOME/NASAL OSTEOTOMES

420-582-003 3,0 mm  
420-582-045 4,5 mm

### WALTER

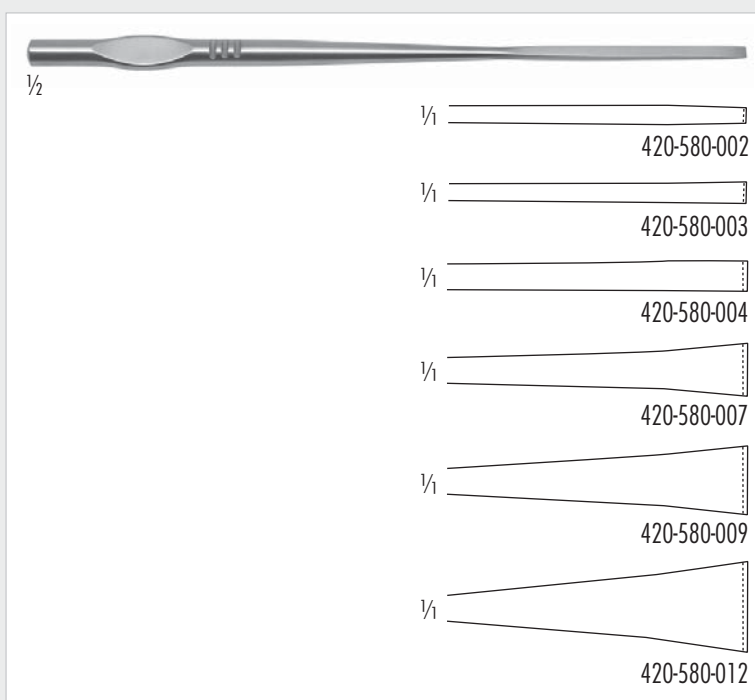
Flachmeißel mit Hohlkehle, Spitzen verrundet, 190 mm  
Chisel with notch, double guarded, 7 1/2 inch



420-580-002 2,0 mm  
420-580-003 3,0 mm  
420-580-004 4,0 mm  
420-580-007 7,0 mm  
420-580-009 9,0 mm  
420-580-012 12,0 mm

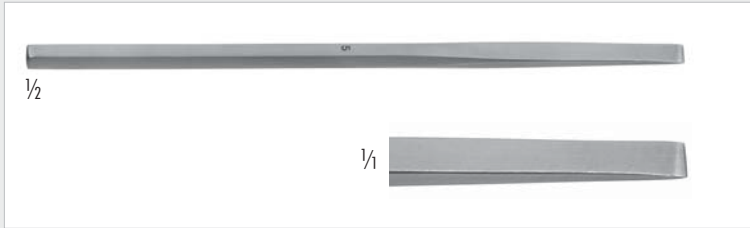
### WALTER

Osteotom, 190 mm  
Osteotome, 7 1/2 inch





## OSTEOTOME/OSTEOTOMES



|             |      |             |       |
|-------------|------|-------------|-------|
| 420-594-002 | 2 mm | 420-594-009 | 9 mm  |
| 420-594-003 | 3 mm | 420-594-010 | 10 mm |
| 420-594-004 | 4 mm | 420-594-011 | 11 mm |
| 420-594-005 | 5 mm | 420-594-012 | 12 mm |
| 420-594-006 | 6 mm | 420-594-015 | 15 mm |
| 420-594-008 | 8 mm |             |       |

### SHEEHAN

Osteotom, 175 mm  
Osteotome, 6 3/4 inch



|             |       |             |      |
|-------------|-------|-------------|------|
| 420-568-002 | 2 mm  | 420-568-004 | 4 mm |
| 420-568-006 | 6 mm  | 420-568-008 | 8 mm |
| 420-568-010 | 10 mm |             |      |

### RZ

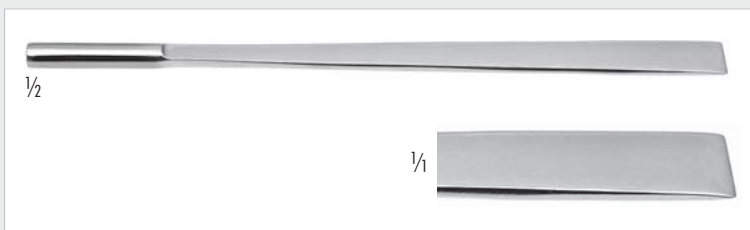
Osteotom, 180 mm  
Osteotome, 7 inch



420-503-011

### MATTHEW

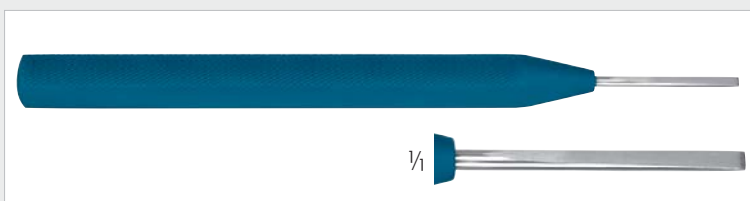
Osteotom, 11 mm breit, 180 mm  
Osteotome, 11 mm wide, 7 inch



|             |       |             |       |
|-------------|-------|-------------|-------|
| 420-501-002 | 2 mm  | 420-501-004 | 4 mm  |
| 420-501-006 | 6 mm  | 420-501-008 | 8 mm  |
| 420-501-010 | 10 mm | 420-501-012 | 12 mm |
| 420-501-015 | 15 mm |             |       |

### JAYES

Osteotom, 190 mm  
Osteotome, 7 1/2 inch



420-500-200 3,0 mm

### REES

Osteotom, mit Aluminium Handgriff, 200 mm  
Osteotome, with aluminum handle, 8 inch



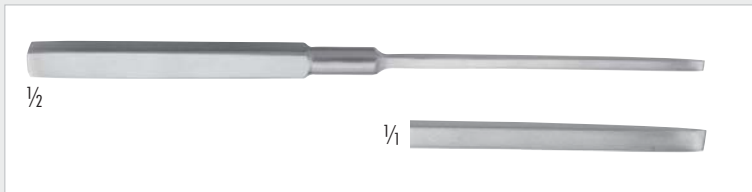
## OSTEOTOME/OSTEOTOMES



|             |       |             |       |
|-------------|-------|-------------|-------|
| 420-490-005 | 5 mm  | 420-490-007 | 7 mm  |
| 420-490-009 | 9 mm  | 420-490-011 | 11 mm |
| 420-490-013 | 13 mm |             |       |

### FRENCH (GILLIES)

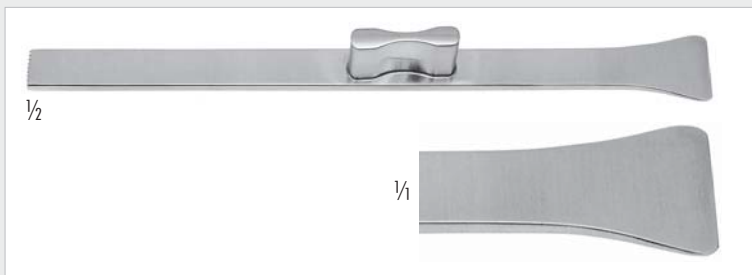
Osteotom, 140 mm  
Osteotome, 6 1/2 inch



|             |      |
|-------------|------|
| 420-495-003 | 3 mm |
| 420-495-004 | 4 mm |
| 420-495-005 | 5 mm |

### WARD

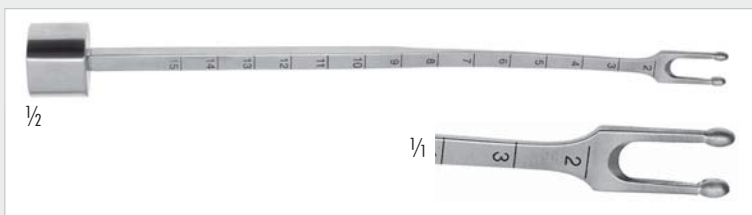
Osteotom, 180 mm  
Osteotome, 7 inch



|             |       |             |       |
|-------------|-------|-------------|-------|
| 420-587-010 | 10 mm | 420-587-012 | 12 mm |
| 420-587-014 | 14 mm | 420-587-016 | 16 mm |

### RUBIN

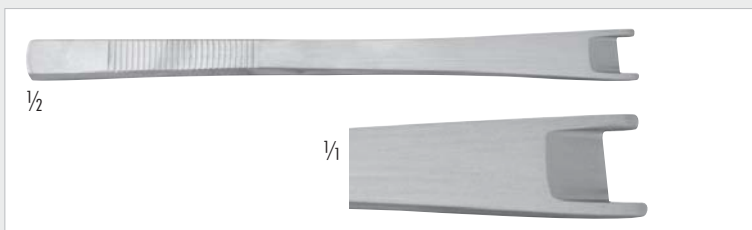
Osteotom, 180 mm  
Osteotome, 7 inch



431-662-190

### OBWEGESER

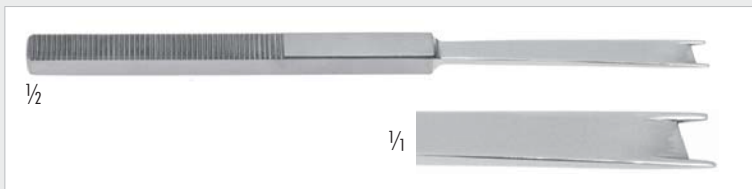
Osteotom, mit 2 geknöpften Spitzen und U-Schneide, 185 mm  
Osteotome, with 2 buttons on the tips, U-shape cutting edge, 7 1/4 inch



|             |       |             |       |
|-------------|-------|-------------|-------|
| 420-589-010 | 10 mm | 420-589-012 | 12 mm |
| 420-589-014 | 14 mm | 420-589-016 | 16 mm |

### CINELLI

Osteotom mit beidseitiger Führung, 160 mm  
Osteotome, double guarded, 6 1/4 inch



420-507-010

### ROZNER

Osteotom, beidseitiger Schutz der abgeflachten Schneide, 180 mm  
Osteotome, probe point on each side of the inclined cutting edge, 7 inch

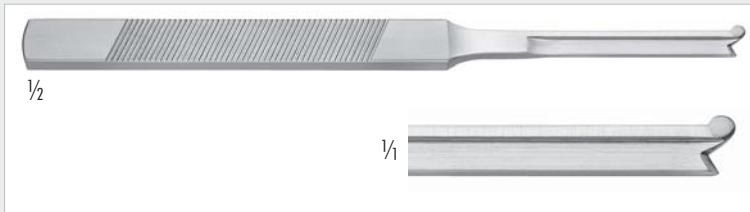


|             |                 |
|-------------|-----------------|
| 420-460-005 | gebogen/curved  |
| 420-460-004 | gerade/straight |

### RZ

Silver Osteotom mit V-Spitze, 175 mm  
Silver Osteotome, with V-tip, 6 3/4 inch

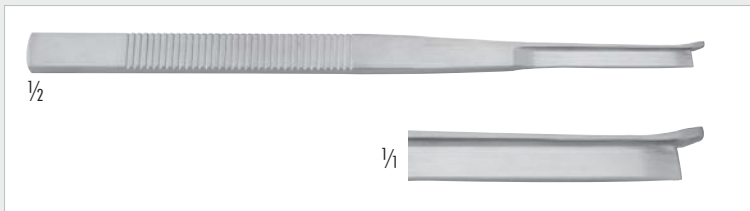
## NASENMEISSEL/NASAL CHISELS



420-459-001 gerade/straight  
 420-459-002 rechts gebogen/right curved  
 420-459-003 links gebogen/left curved

### SILVER

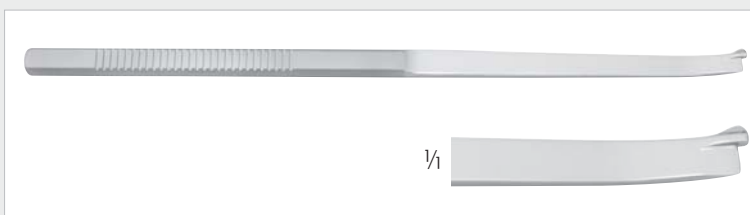
Nasenmeißel, 180 mm  
 Nasal Chisel, 7 inch



420-459-101 gerade/straight  
 420-459-102 rechts gebogen/right curved  
 420-459-103 links gebogen/left curved

### MASING

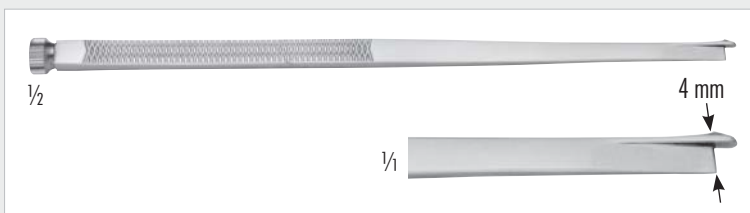
Nasenmeißel, 180 mm  
 Nasal Chisel, 7 inch



420-639-001 gerade/straight  
 420-639-002 rechts gebogen/right curved  
 420-639-003 links gebogen/left curved

### ANDERSON-NEIVERT

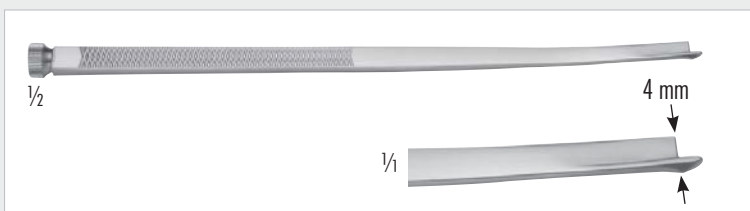
Nasenmeißel, 200 mm  
 Nasal Chisel, 8 inch



420-640-001

### RZ-NEIVERT

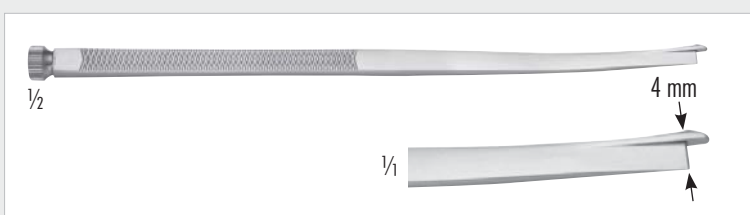
Nasenmeißel, gerade, 4 mm breit, 195 mm  
 Nasal Osteotome, straight, 4 mm wide, 7 3/4 inch



420-640-002

### RZ-NEIVERT

Nasenmeißel, rechts, 4 mm breit, 195 mm  
 Nasal Osteotome, right, 4 mm wide, 7 3/4 inch



420-640-003

### RZ-NEIVERT

Nasenmeißel, links, 4 mm breit, 195 mm  
 Nasal Osteotome, left, 4 mm wide, 7 3/4 inch



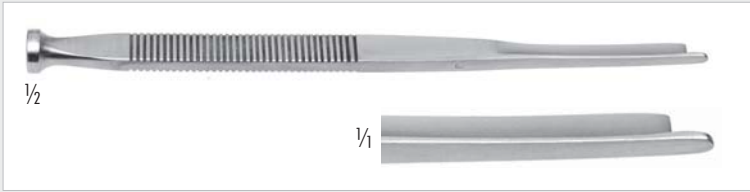
420-485-005 mit linker Führung/guard on left  
 420-486-005 mit rechter Führung/guard on right  
 420-487-005 ohne Führung/without guard

### BRAITHWAITE

Nasenmeißel, 5 mm breit, 145 mm  
 Nasal Chisel, 5 mm wide, 5 3/4 inch



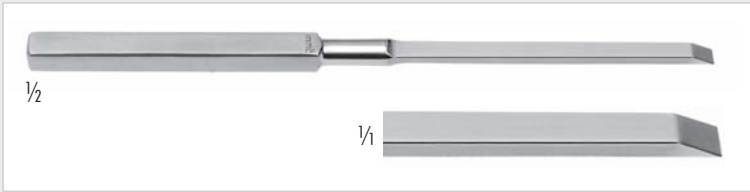
## NASENMEISSEL/NASAL CHISELS



420-491-001 links gebogen/curved left  
420-491-002 rechts gebogen/curved right  
420-491-000 gerade/straight

### FRENCHAY

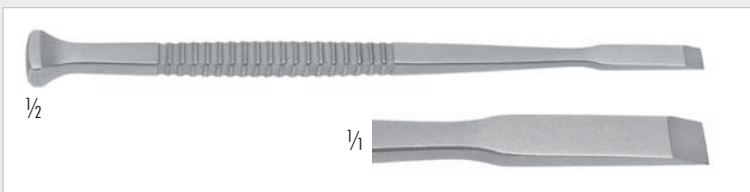
Nasenmeißel, mit Führung, 180 mm  
Nasal Chisel, with guard, 7 inch



420-493-003

### WARD

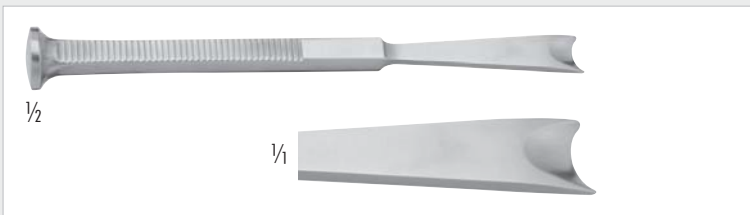
Nasenmeißel, 3 mm breit, 180 mm  
Nasal Chisel, 3 mm wide, 7 inch



420-489-003 3 mm  
420-489-005 5 mm  
420-489-006 6 mm

### READ

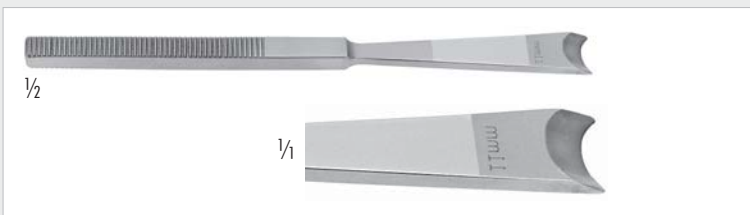
Nasenmeißel, 180 mm  
Nasal Chisel, 7 inch



420-487-009 9 mm    420-487-011 11 mm  
420-487-013 13 mm    420-487-015 15 mm

### MCINDOE

Nasenmeißel mit pilzförmigem Kopf, 150 mm  
Nasal Chisel with Mushroom head, 6 inch



420-488-009 9 mm    420-488-011 11 mm  
420-488-013 13 mm    420-488-015 15 mm

### MCINDOE

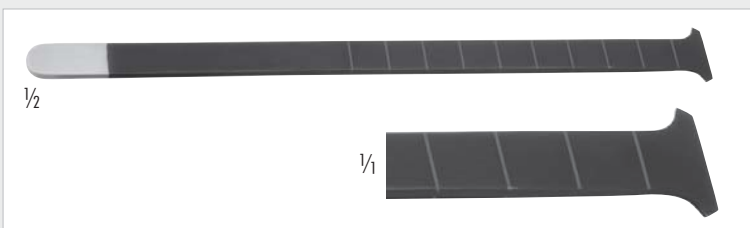
Nasenmeißel, 150 mm  
Nasal Chisel, 6 inch



420-494-002 2 mm    420-494-004 4 mm  
420-494-006 6 mm    420-494-008 8 mm  
420-494-010 10 mm    420-494-012 12 mm  
420-494-014 14 mm

### JENKINS

Nasenmeißel, 145 mm  
Nasal Chisel, 5 3/4 inch



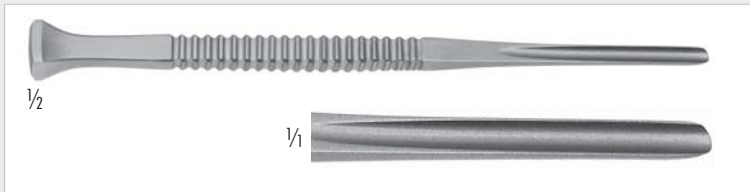
420-505-005 5 mm    420-505-007 7 mm  
420-505-009 9 mm    420-505-011 11 mm  
420-505-016 16 mm

### COTTLE

Nasenmeißel, geschwärzt, 185 mm  
Nasal Chisel, black coated, 7 1/4 inch



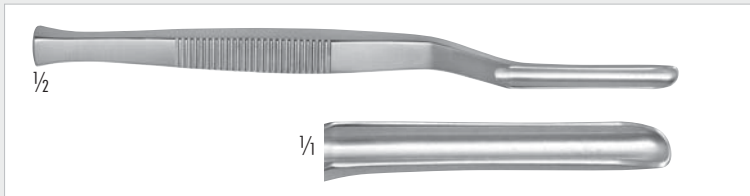
## NASENHOHLMEISSEL/NASAL GOUGES



420-492-003 3 mm 420-492-004 4 mm  
420-492-005 5 mm 420-492-006 6 mm

### READ

Nasen Hohlmeißel, 180 mm  
Nasal Gouge, 7 inch



420-552-170 6 mm

### KILLIAN

Septum-Hohlmeißel mit runder Schneide, bajonettförmig gebogen, 170 mm

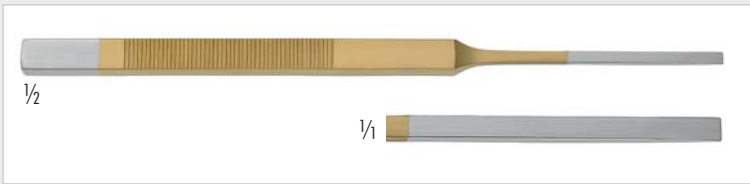
Septum gouge, round cutting edge, bayonet shaped, 6 3/4 inch



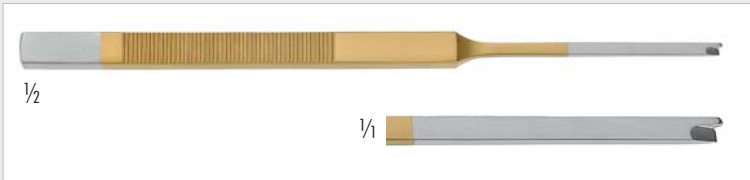
420-551-170 6 mm

### KILLIAN-CLAUS

Septum-Hohlmeißel mit Kerbe, bajonettförmig gebogen, 170 mm  
Septum gouge with notch, bayonet shaped, 6 3/4 inch



420-700-020 2 mm  
420-700-025 2.5 mm  
420-700-030 3 mm  
Mikro Osteotom, 185 mm  
Micro Osteotome, 7 1/4 inch



420-700-022 2.2 mm  
Mikro Osteotom, 185 mm, mit Schutz  
Micro Osteotome, 7 1/4 inch, with guard



420-700-100 10 mm  
420-700-120 12 mm  
420-700-140 14 mm  
Höcker Osteotom, 185 mm  
Micro Osteotome, 7 1/4 inch



420-700-430  
**JOSEPH**  
Knochenhaut-Elevatorium, 3mm breit  
Periosteal Elevator, 3mm wide



420-700-001 1 prong  
420-700-002 2 prongs  
Mikro Hauthäkchen, 155mm  
Micro Skin Hook, 6 inch



420-700-210  
Hauthäkchen, 2 Zähne, 10mm breit  
Skin Hook, 2 prongs, 10mm wide



420-700-400  
Glabella Rassel, 185 mm, 8mm breit  
Glabella Rasp, 7 1/4 inch, 8mm wide



420-700-501 mittel / medium  
420-700-502 mittel und fein / medium and fine  
Nasenraspel, doppelendig, Hartmetalleinsätze, 200 mm  
Nasal Rasp, double ended, TC inserts, 7 3/4 inch



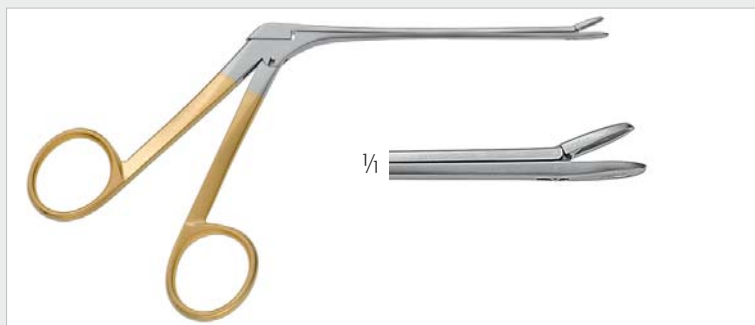
RZ RHINOPLASTIK SET  
RZ ADVANCED RHINOPLASTIC SET



420-700-200

**AUFRICHT**

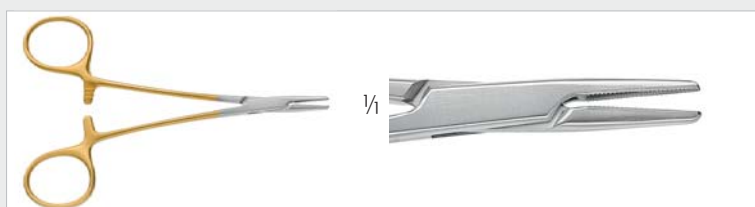
Nasen Retraktor  
Nasal Retractor



420-700-700

**BLAKESLEY**

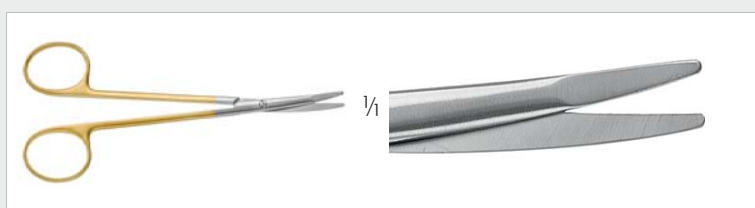
Nasenzange, zart  
Nasal Forceps, delicate



420-700-330

**HALSEY**

Nadelhalter, 130 mm, Hartmetall  
Needle Holder, 5 inch, TC inserts



420-700-340

**KILNER**

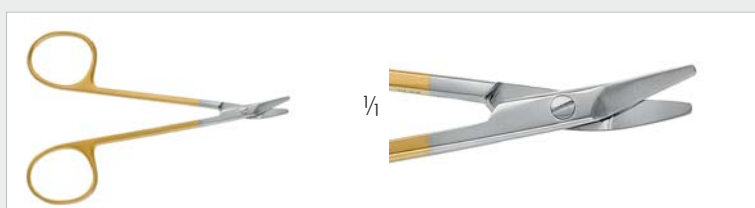
Präparierschere, 140mm  
Dissection Scissors, 5 1/2 inch



420-700-610 straight

420-700-611 curved

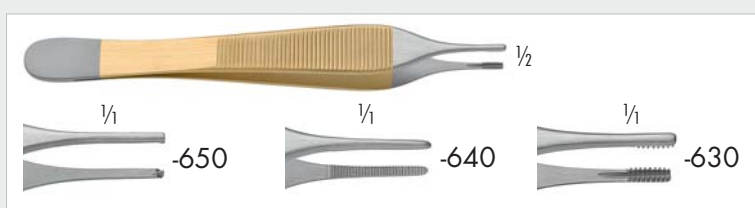
Rhinoplastik-Schere, spitz, 100 mm  
Rhinoplasty Scissors, sharp, 4 inch



420-700-620

**WALTER**

Gewinkelte Schere, 100 mm  
Angled Scissors, 4 inch



420-700-630 **ADSON-BROWN**

Gewebepinzette, seitliche Zähne, 120 mm  
Tissue Forceps, lateral grasping teeth, 4 3/4 inch

420-700-640 **ADSON**

Anatomische Pinzette, 120 mm / Dressing Forceps, 4 3/4 inch

420-700-650 **ADSON**

Gewebepinzette, 120 mm / Tissue Forceps, 4 3/4 inch



210-240-180

**COTTLE**

Hammer, mit flacher und runder Seite, 180 mm, 240 g  
Mallet, with flat and round side, 7 inch, 240 g



210-264-140

**RZ**

Hammer, mit austauschbaren Plastikbacken, 185 mm, 140 g  
Mallet, with interchangeable plastic discs, 7 inch, 3 ounce

210-265-100

Plastikbacken (1 Paar)  
Plastic discs (one pair)



210-262-170

**MEAD**

Hammer, mit austauschbaren Plastikbacken, 170 mm, 230 g  
Mallet, with interchangeable plastic discs, 6 3/4 inch, 5 ounce

210-263-000

Plastikbacken (1 Paar)  
Plastic discs (one pair)



210-244-220

**HAJEK**

Hammer, 220 mm  
Mallet, 8 3/4 inch

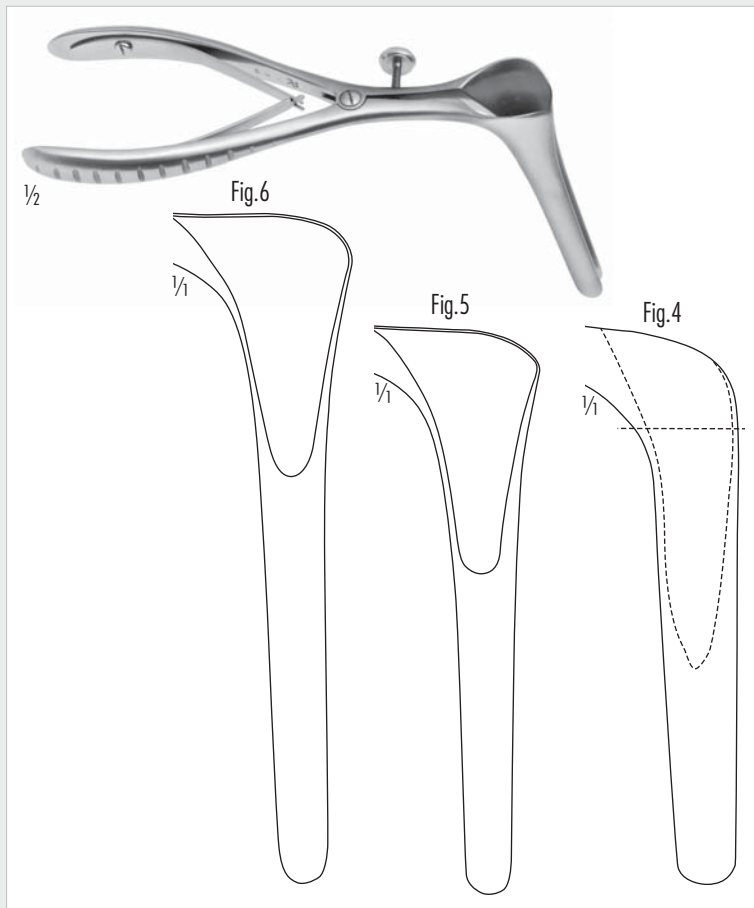


210-019-170

**RZ**

Hammer, mit Kupferkopf, Ø 19 mm, 170 mm, 117 g  
Mallet, with copper head, Ø 19 mm, 6 3/4 inch, 2.5 ounce

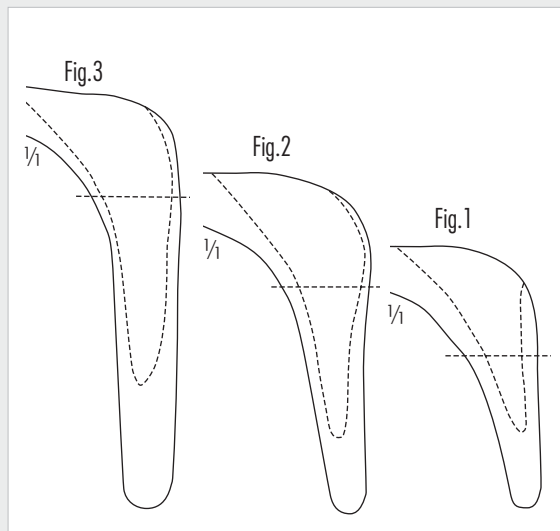
NASENSPEKULA/NASAL SPECULA



- 420-136-020 Fig.1 20 mm
- 420-136-035 Fig.2 38 mm
- 420-136-055 Fig.3 55 mm
- 420-136-070 Fig.4 70 mm
- 420-136-080 Fig.5 80 mm
- 420-136-090 Fig.6 90 mm

**COTTLE**

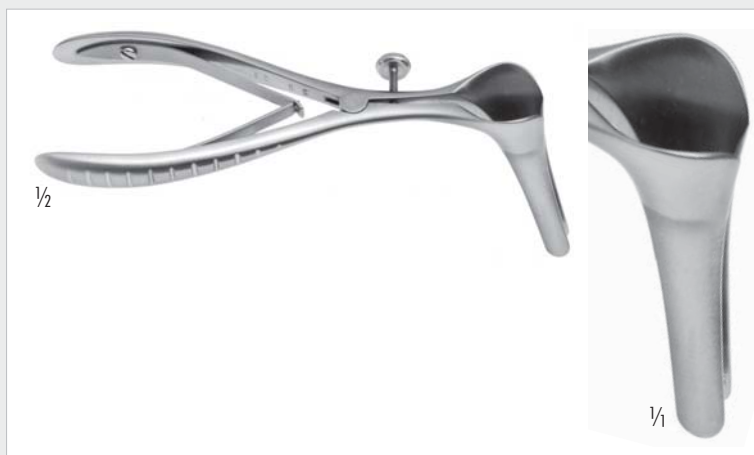
Nasenspekulum, mit Schraubverschluss und Stellschraube, mit besonders schlanken Blättern, 135 mm  
 Nasal Speculum, screw joint, set-screw, with extra thin blades, 5 1/4 inch



- 420-143-040 40 mm Blatt/blade
- 420-143-055 55 mm Blatt/blade
- 420-143-070 75 mm Blatt/blade
- 420-143-090 90 mm Blatt/blade

**KILLIAN**

Nasenspekulum, Standardmodell, mit aseptischem Schluss, 140 mm  
 Nasal Speculum, Standard pattern, with aseptic joint, 5 1/2 inch



- 420-138-040 40 mm Blatt/blade
- 420-138-055 55 mm Blatt/blade
- 420-138-075 75 mm Blatt/blade
- 420-138-090 90 mm Blatt/blade

**KILLIAN-WALTER**

Nasenspekulum mit dünnen Blättern, mit Feststellschraube, 140 mm  
 Nasal Speculum with thin blades, with locking screw, 5 1/2 inch



## NASENSPEKULA/NASAL SPECULA



- 420-144-040 40 mm Blatt/blade
- 420-144-055 55 mm Blatt/blade
- 420-144-075 75 mm Blatt/blade
- 420-144-090 90 mm Blatt/blade

### **KILLIAN**

Nasenspekulum mit schlank zulaufenden Blättern, 140 mm  
Nasal Speculum with tapered blades, 5 1/2 inch



- 420-743-040 40 mm Blatt/blade
- 420-743-055 55 mm Blatt/blade
- 420-744-075 75 mm Blatt/blade
- 420-743-090 90 mm Blatt/blade

### **KILLIAN**

Nasenspekulum, mit abnehmbarem Kaltlichtträger, 130 mm  
Nasal Speculum, with detachable cold light carrier, 5 inch

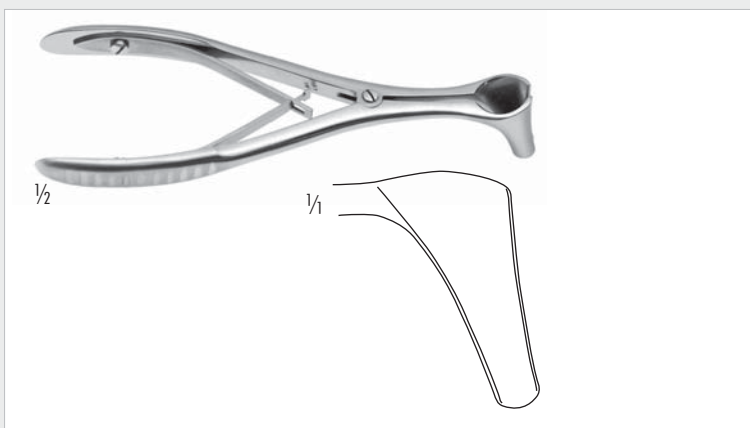
NASENSPEKULA/NASAL SPECULA



- 420-133-035 35 mm Blatt/blade
- 420-133-055 55 mm Blatt/blade
- 420-133-075 75 mm Blatt/blade

**COTTLE**

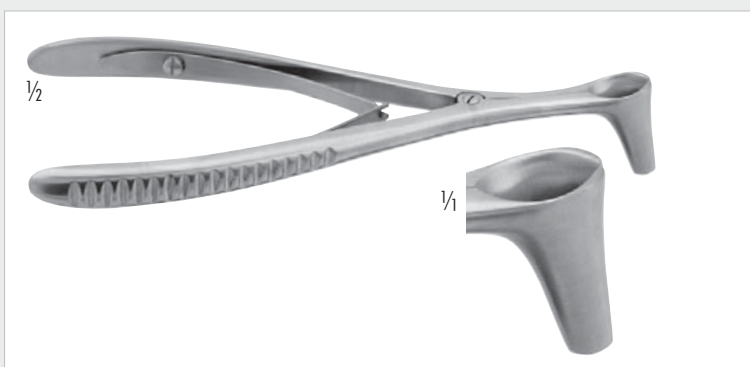
Nasenspekulum, mit Feststellschraube, 130 mm  
Nasal Speculum, with locking screw, 5 inch



- 420-100-001 30 x 7 mm

**WIENER MODELL**

Nasenspekulum, Fig. 1, Schraubverschluss, 130 mm  
Nasal Speculum, Fig. 1, screw joint, 5 inch



- 420-119-001

**HARTMANN**

Nasenspekulum, 28 mm Blatt, Schraubverschluss, 160 mm  
Nasal Speculum, 28 mm blade, screw joint, 6 1/4 inch



- 420-120-150 Fig. 1, 29 mm Blatt/blade
- 420-122-150 Fig. 2, 33 mm Blatt/blade
- 420-123-150 Fig. 3, 37 mm Blatt/blade

**HARTMANN-HALLE**

Nasenspekulum, Schraubverschluss, 155 mm  
Nasal Speculum, screw joint, 6 inch

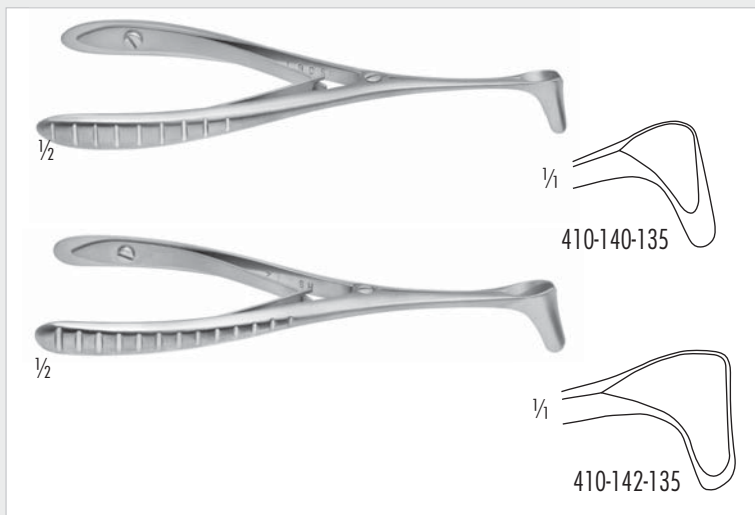
NASENSPEKULA/NASAL SPECULA



420-145-036

**KILLIAN**

Nasenspekulum, 36 x 7 mm, aseptischer Schluss, 145 mm  
Nasal Speculum, 36 x 7 mm, aseptic joint, 5 3/4 inch

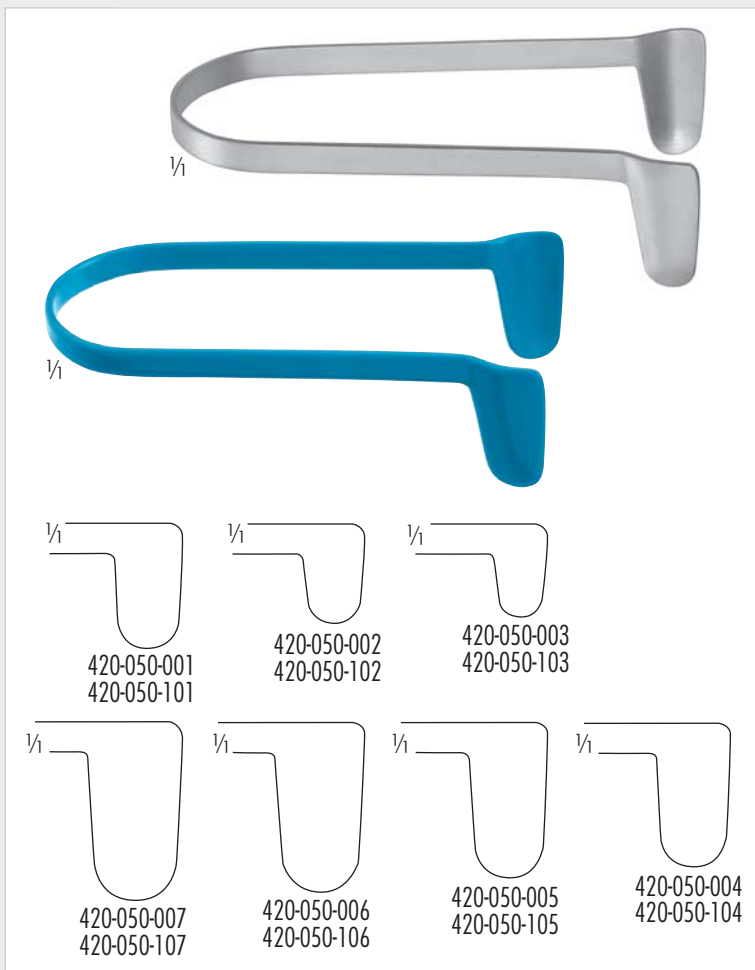


420-140-135

420-142-135

**TIECK-HALLE**

Nasenspekulum, mit Schraubverschluss, Kindermodelle, seitlich gebogen, 135 mm  
Nasal Speculum, screw point, pediatric pattern, curved sideways, 5 1/4 inch



420-050-001 8,5 x 6,0

420-050-002 9,0 x 7,0

420-050-003 12,5 x 8,0

420-050-004 15,0 x 8,5

420-050-005 16,5 x 9,0

420-050-006 18,0 x 10,0

420-050-007 19,5 x 10,5

**RZ-THUDICHUM**

Nasenspekulum, 68 mm

Nasal Speculum, 2 2/3 inch

420-050-101 8,5 x 6,0

420-050-102 9,0 x 7,0

420-050-103 12,5 x 8,0

420-050-104 15,0 x 8,5

420-050-105 16,5 x 9,0

420-050-106 18,0 x 10,0

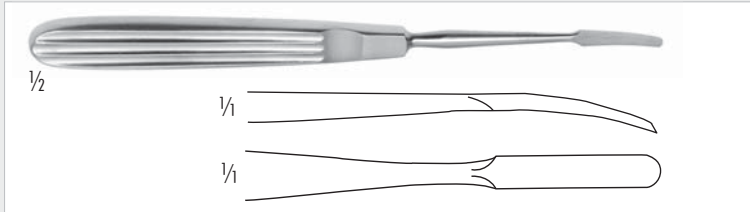
420-050-107 19,5 x 10,5

**RZ-THUDICHUM**

Nasenspekulum, **isoliert**, 68 mm

Nasal Speculum, **insulated**, 2 2/3 inch

ELEVATOREN/ELEVATORS



420-530-165 2 mm  
 420-531-165 3 mm  
 420-532-165 4 mm

**JOSEPH**

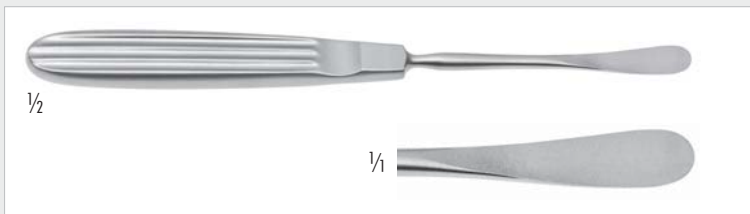
Septum Raspatorium, leicht gebogen, 160 mm  
 Septum Raspatory, slightly curved, 6 1/4 inch



420-585-160

**JOSEPH**

Periosteal Elevator, gebogen, 4 mm breit, 160 mm  
 Periosteal Elevator, curved, 4 mm wide, 6 1/4 inch



431-630-007 7 mm    431-630-006 6 mm  
 431-630-009 9 mm    431-630-011 11 mm

**OBWEGESER**

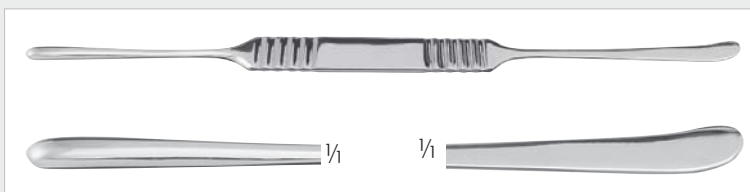
Periosteal Elevator, gebogen, 175 mm  
 Periosteal Elevator, curved, 6 5/8 inch



420-553-170

**WARD**

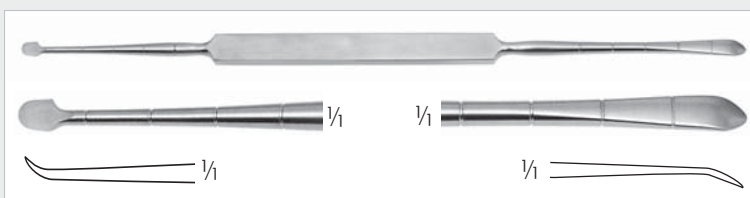
Periosteal Elevator, 170 mm  
 Periosteal Elevator, 6 3/4 inch



420-481-215

**READ**

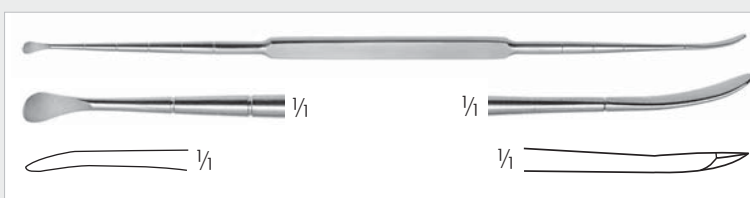
Elevator doppelendig, stumpf, 215 mm  
 Elevator, double-ended, blunt, 8 1/2 inch



420-550-230

**COTTLE**

Doppel-Elevatorium, mit Graduierung, scharf/stumpf, 200 mm  
 Elevator, double-ended, graduated, sharp/blunt, 8 inch



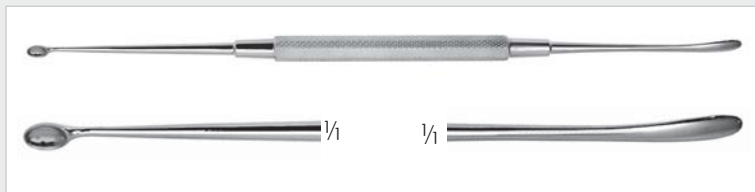
420-551-200

**MASING**

Doppel-Elevatorium mit Graduierung, scharf/stumpf, 200 mm  
 Double-Elevator, double-ended, graduated, sharp/blunt, 8 inch



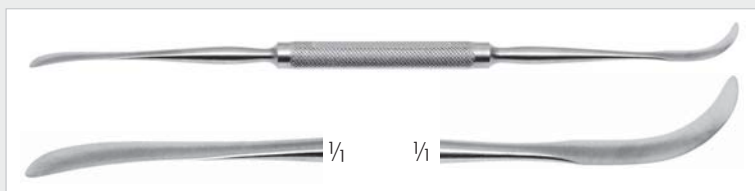
## ELEVATOREN/ELEVATORS



420-551-210

**CARTER**

Septum Elevator, doppelendig, 210 mm  
Septum Elevator, double ended, 8 1/4 inch

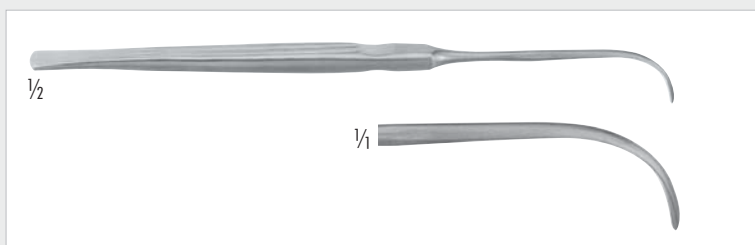


420-532-200

**OBWEGESER-FREER**

Septum Elevator, 200 mm  
Septum Elevator, 8 inch

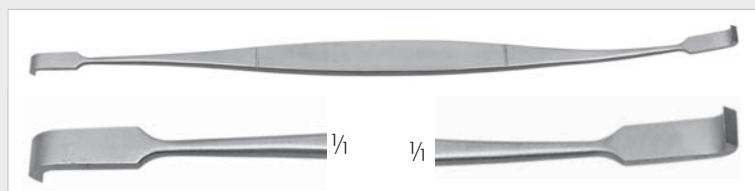
## RASPATORIEN/RASPATORIES



430-531-170 3 mm

430-532-170 6 mm

Raspatorium, stark gebogen, scharf, 170 mm  
Raspatory, strongly curved, sharp, 6 3/4 inch



210-438-010

**RZ-HOWARD**

Raspatorium, gerades und gebogenes Arbeitsende, 220 mm  
Raspatory, straight and curved working end, 8 3/4 inch

## SEPTUM RICHTER/SEPTUM ELEVATOR



420-189-210

**GOLDMANN**

Nasenfraktureufrichter, runde Form, 200 mm  
Septum elevator, round (displacer), 8 inch



420-557-170

**BOIES**

Elevator zur Reposition von Nasenbeinbrüchen, 170 mm  
Elevator for septum repositioning, 6 3/4 inch

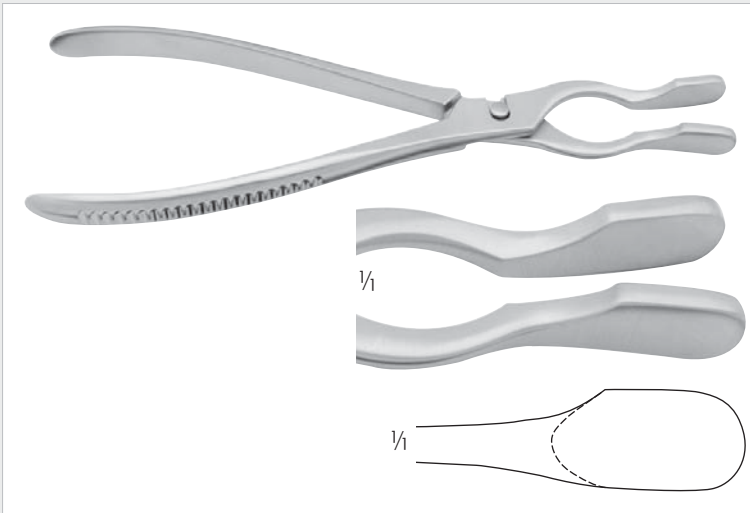


420-555-195

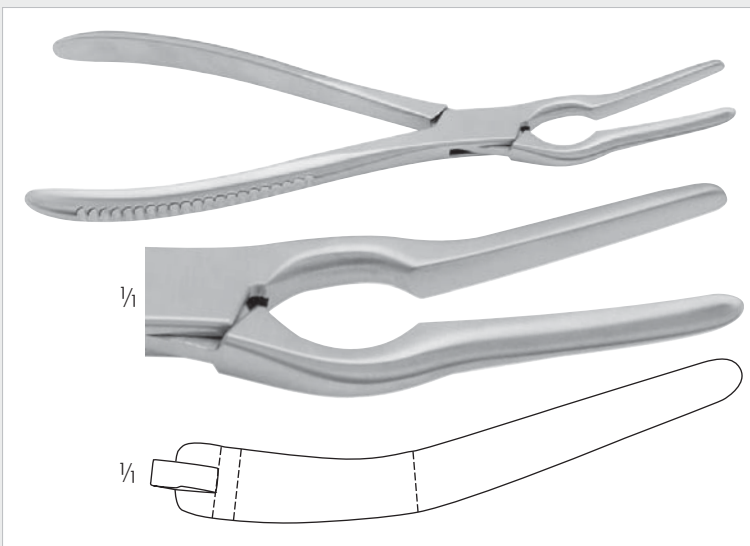
**BOIES**

Nasenfrakturelevator, 9 mm breite Spitze, 195 mm  
Nasal fracture elevator, 9 mm wide tip, 7 3/4 inch

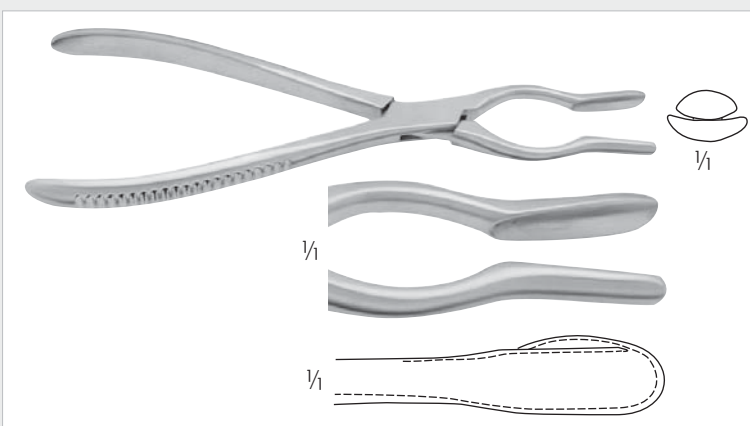
SEPTUM RICHTZANGEN/SEPTUM STRAIGHTENING FORCEPS



420-450-230  
**COTTLE-WALSHAM**  
 Septum Richtzange mit aseptischem Schluss, 220 mm  
 Septum straightening forceps, with aseptic lock, 8 3/4 inch



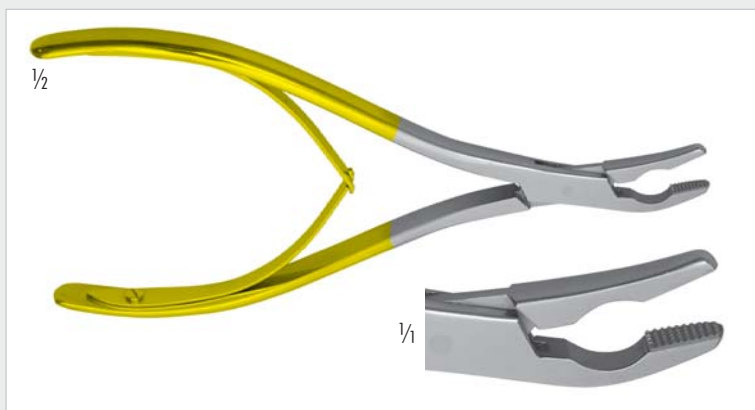
420-455-230  
**ASH**  
 Septum Richtzange, 220 mm  
 Septum straightening forceps, 8 3/4 inch



420-452-230 für rechts/right  
 420-451-230 für links/left  
**WALSHAM**  
 Septumrichtzange, 210 mm  
 Septum straightening forceps, 8 1/4 inch



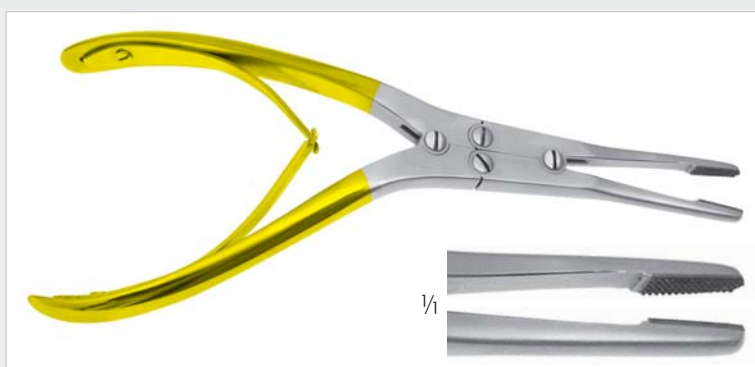
## SEPTUM QUETSCHZANGEN/SEPTAL MORSELIZERS



420-220-212

### GUNTER

Quetschzange, mit kariertem Maulteil, 180 mm  
Lower Lateral Morselizer, with cross serrated jaw, 7 inch



420-220-220

### GORNEY

Septum Quetschzange, übersetzt, abgewinkelt, 200 mm  
Septal Morselizer, double action, angled, 8 inch

420-221-100

Schutzkappe, allein  
Guard, only

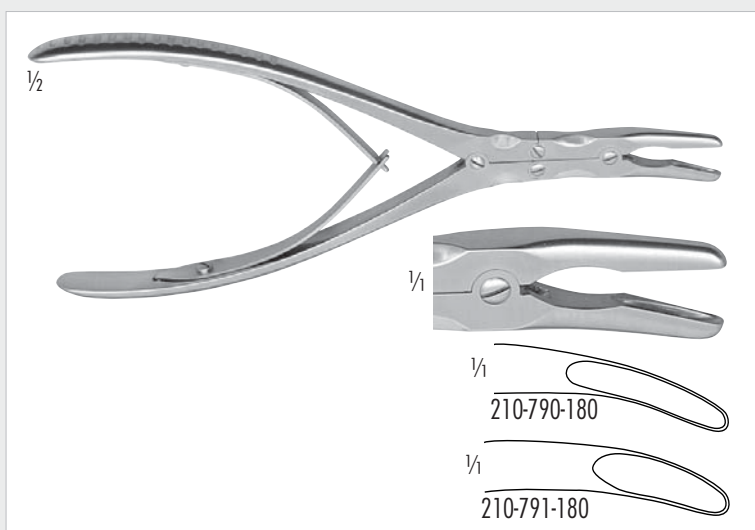
## HOHLMEISSELZANGEN/BONE RONGEURS



210-792-230

### RÖTTGEN-RUSKIN

Hohlmeisselzange, gebogen, 240 mm  
Bone Rongeur, curved, 9 1/2 inch



210-790-180

### BEYER

Hohlmeisselzange, gebogen, übersetzt, 180 mm  
Bone Rongeur, curved, double action, 7 inch

210-791-180

### ZAUFAL-JANSEN

Hohlmeisselzange, gebogen, übersetzt, 180 mm  
Bone Rongeur, curved, double action, 7 inch

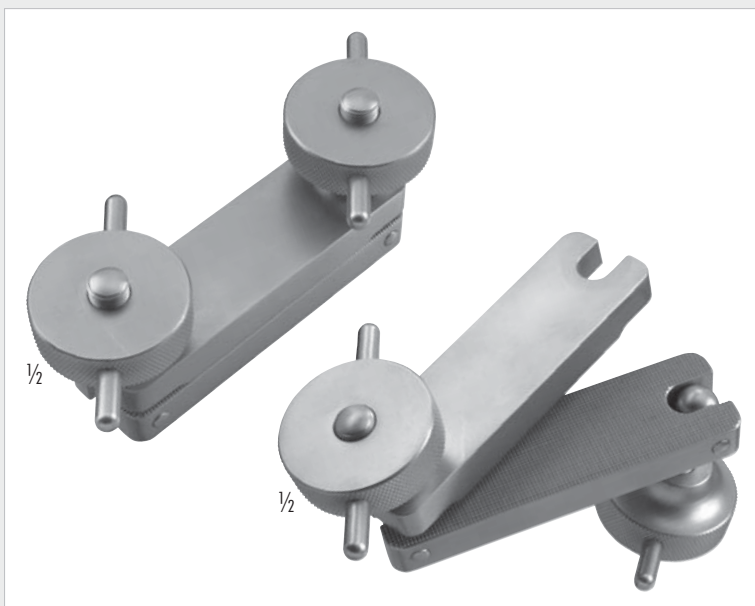
## KNORPELQUETSCHER/CARTILAGE CRUSHERS



420-365-000

**COTTLE**

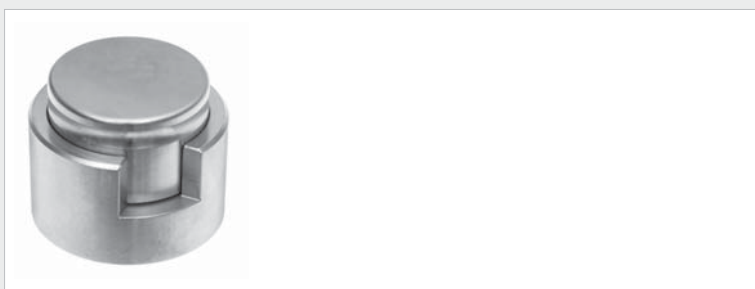
Knochen-Knorpelquetsche mit Metallklammer, zum Entnehmen der Knochen-Knorpeltrümmer  
Bone crusher, for preparation of cartilage implant material, complete with clamp



420-364-000

**RZ**

Knorpelquetsche, 60 mm x 30 mm  
Cartilage Crusher, 60 mm x 30 mm



420-366-000

**TOLSDORF**

Knorpelquetsche  
Bone Crusher



420-367-000

Kunststoffplatte, zur Bearbeitung der Knochentransplantate, dampfsterilisierbar, 85 x 55 mm  
Plastic plate, for preparation of bone grafts, autoclavable, 4 x 8 inch

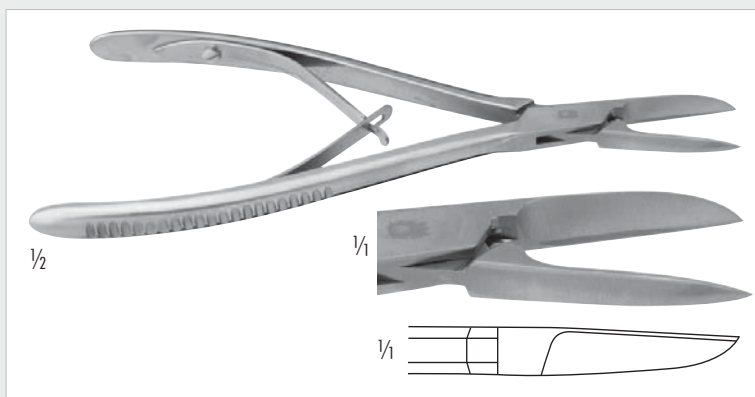


## KNOCHENSPLITTERZANGEN/BONE CUTTING FORCEPS

210-845-185

### KAZANJIAN

Knochenschneidezange, zum Entfernen eines Nasenhöckers, 185 mm  
Bone Cutting Forceps, for removal of nasal hump, 7 1/4 inch



210-844-170

Knochensplitterzange, gerade, 170 mm  
Bone Cutting Forceps, straight, 6 3/4 inch



## NASENZANGEN/SEPTUM FORCEPS

252-031-190

### JANSEN-MIDDLETON

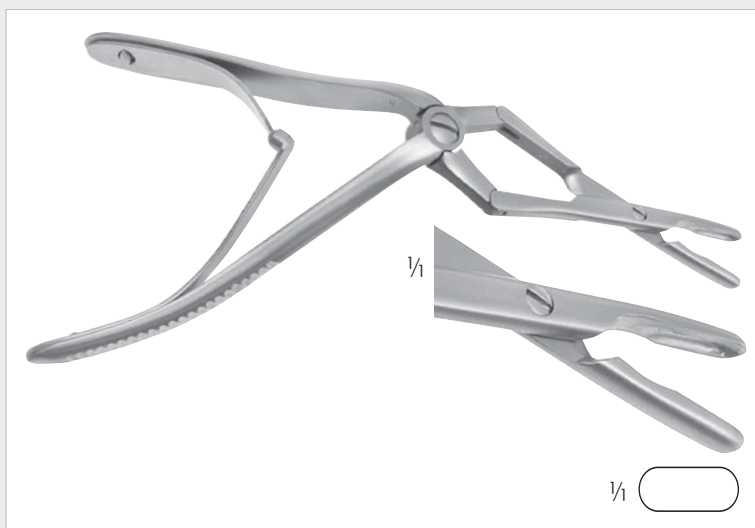
Nasenzange, durchschneidend, 210 mm  
Nasal Forceps, through cutting, 8 1/4 inch



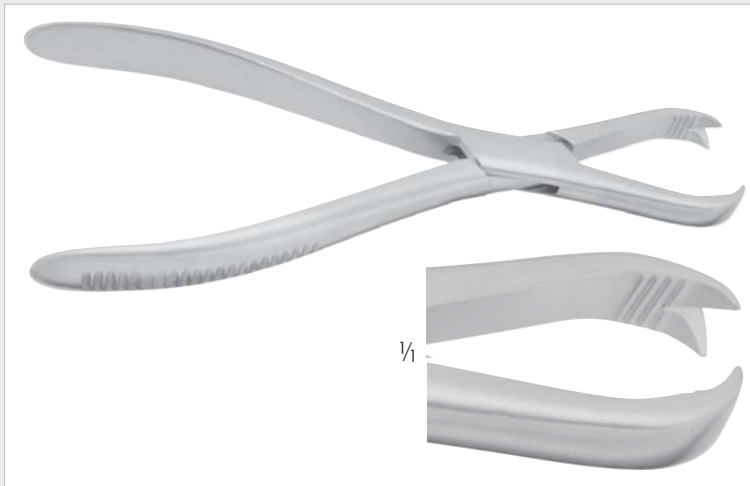
252-032-190

### JANSEN-MIDDLETON

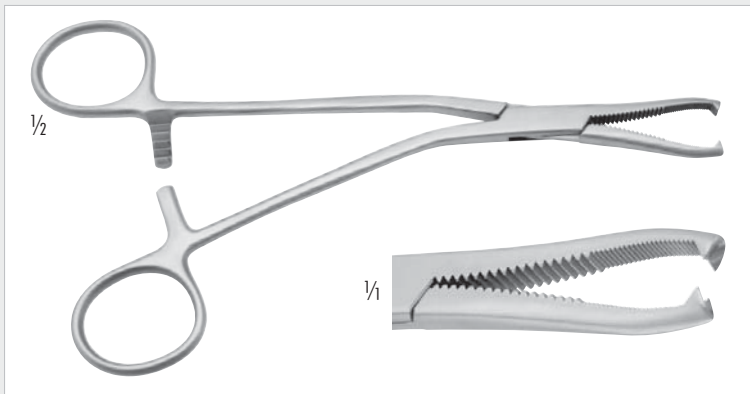
Nasenzange, Löffelmaul, 200 mm  
Nasal Forceps, cup-shaped, 8 inch



## KNOCHENHALTEZANGEN/BONE HOLDING FORCEPS



210-722-210  
**LANGENBECK**  
 Knochenhaltezange, 210 mm  
 Bone Holding Forceps, 8 1/4 inch



210-626-190  
**DINGMANN**  
 Knochenhaltezange, 185 mm  
 Bone Holding Forceps, 7 1/4 inch

## NASENSÄGEN/NASAL SAWS



230-202-000 gerade/straight  
 230-202-001 bajonettförmig, rechts gebogen  
 bayonet shaped, curved to the right  
 230-202-002 bajonettförmig, links gebogen  
 bayonet shaped, curved to the left

**JOSEPH**  
 Nasensäge, 170 mm  
 Nasal saw, 6 3/4 inch



230-211-170 links abgewinkelt/left angled  
 230-210-170 rechts abgewinkelt/right angled  
**JOSEPH**  
 Nasensäge, 170 mm  
 Nasal saw, 6 3/4 inch



## NASENRETRAKTOREN/NASAL RETRACTORS



420-250-160

### AUFRICHT

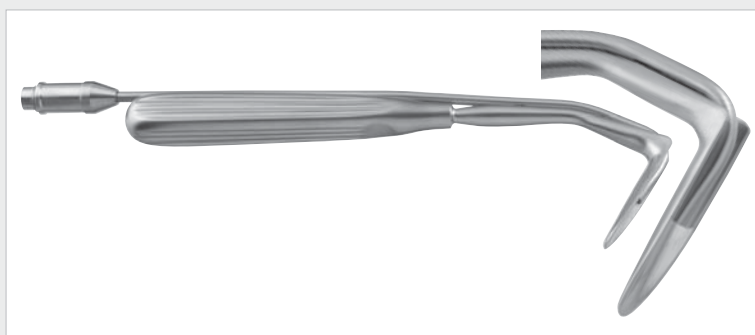
Nasenretraktor, 45 mm Blatt, 160 mm  
Nasal Retractor, 45 mm blade, 6 1/4 inch



420-057-160

### DEVINE-MILLARD-AUFRICHT

Nasenretraktor, 10 x 45 mm Blatt, 180 mm  
Nasal Retractor, 10 x 45 mm blade, 7 inch



420-257-160

### DEVINE-MILLARD-AUFRICHT

Nasenretraktor, mit Kaltlicht-Anschluss, 10 x 45 mm Blatt, 180 mm  
Nasal Retractor, with fibre optic, 10 x 45 mm blade, 7 inch



420-255-160

### AUFRICHT

Nasenretraktor, mit Kaltlicht, 120°, 45 mm Blatt, 160 mm  
Nasal Retractor, with Fiber Optic, 120°, 45 mm blade, 6 1/4 inch



420-652-100

420-752-100 mit Kaltlichtträger/with fibre optic light carrier

### MALINIAC

Nasenretraktor, 9 x 45 mm, 100 mm  
Nasal Retractor, 9 x 45 mm, 4 inch



420-235-110

### CONVERSE

Nasenretraktor, 11 x 44 mm Blatt, 110 mm  
Nasal Retractor, 11 x 44 mm blade, 4 1/4 inch



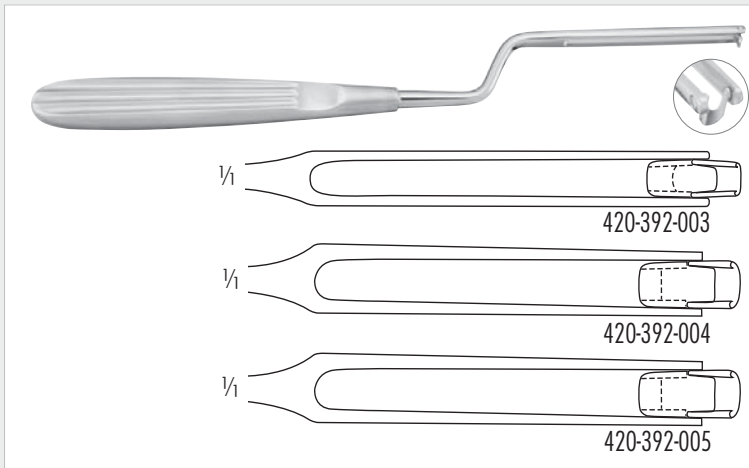
420-236-110

### CONVERSE

Nasenretraktor, mit Kaltlicht, 11 x 44 mm Blatt, 110 mm  
Nasal Retractor, with Fiber Optic, 11 x 44 mm blade, 4 1/3 inch



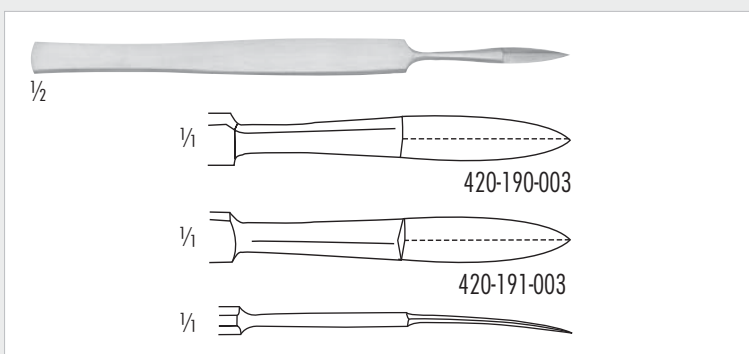
## NASENMESSER/NASAL KNIVES



- 420-392-003 3 mm
- 420-392-004 4 mm
- 420-392-005 5 mm

### BALLENGER

Schwingmesser, bajonettförmig, 210 mm  
Swivel Knife, bayonet shaped, 8 1/4 inch



- 420-190-003 gerade/straight
- 420-191-003 gebogen/curved

### JOSEPH

Plastikmesser mit doppelter Schneide, scharf, 145 mm  
Double-edge nasal knife, sharp, 5 1/4 inch

## MESSER / KNIVES



420-195-150

### FREER

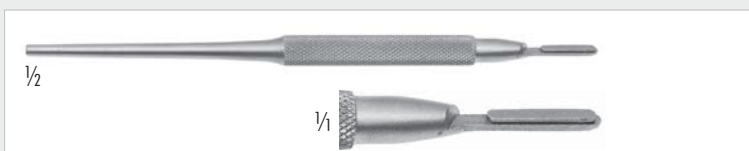
Mukosamesser, 155 mm  
Mucosa Knife, 6 inch



420-205-160

### JOSEPH

Plastikmesser, gerade, Spitze verrundet, 140 mm  
Button-end knife, straight, 5 1/2 inch



110-148-000

Skalpelli Griff, 150 mm  
Scalpel Handle, 6 inch



110-140-000

### BARRON

Skalpelli Griff, 130 mm  
Scalpel Handle, 5 1/8 inch



110-110-003 Nr. 3

110-140-004 Nr. 4

Skalpelli Griff, 130 mm  
Scalpel Handle, 5 1/8 inch

## KAPSELMESSER/CASPSULOTOMY KNIVES



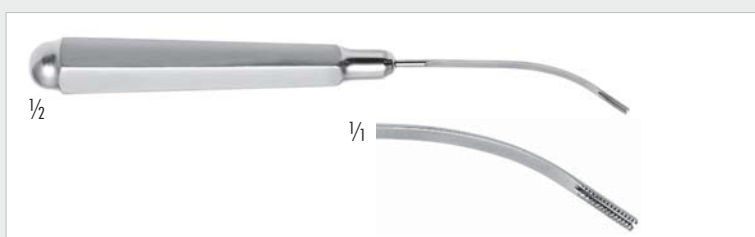
260-310-270

### FOERSTER

Kapselmesser zur Trennung eines kugelförmigen Kontraktors, während einer offenen Kapsulotomie. Bei einem submammären Eingriff läuft die stumpfe Schneide des Messers sicher an dem Implantat entlang, während das fibröse Gewebe präpariert wird, 270 mm

Foerster Caspsulotomy for separation of spherical contracture during open capsulotomy. When used in an intramammary incision, the dull edge of the knife safely runs along implant while fibrous tissue is dissected, 10 ½ inch

## KNORPELMESSER/OTOBRADERS



410-033-100

### DINGMAN

Knorpelmesser zum Einschneiden von Ohrknorpel während einer Otoplastik, 160 mm

Otobraders for cutting in ear cartilage during otoplasty, 6 ½ inch

bestehend aus... / consisting of...

Set mit linkem und rechtem Messer

Set of left and right pattern



410-033-130 links gebogen/curved left

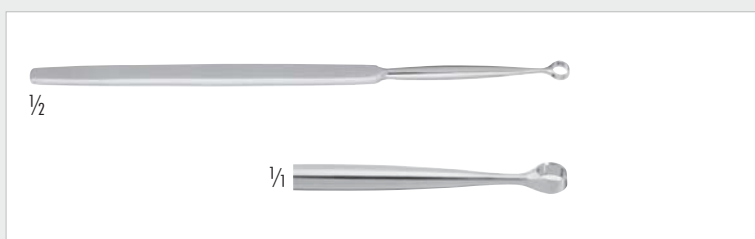
410-033-131 rechts gebogen/curved right

### STENSTRØM

Ohrschaber nach Stenstrøm, 160 mm

Ear scraper acc. Stenstrøm, 6 ½ inch

## HAUTKÜRETTEN/DERMAL CURETTES



230-151-140 3 mm Ø

230-152-140 4 mm Ø

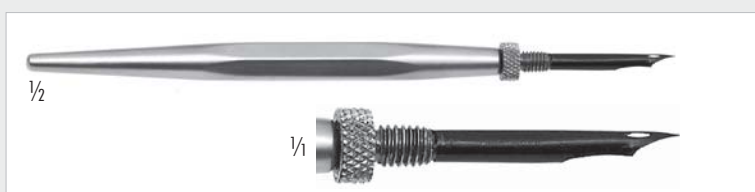
230-153-140 5 mm Ø

### FOX

Hautkürette, 140 mm

Dermal Curette, 5 ½ inch

## HAUT MARKIERER STIFT/SKIN MARKING PEN

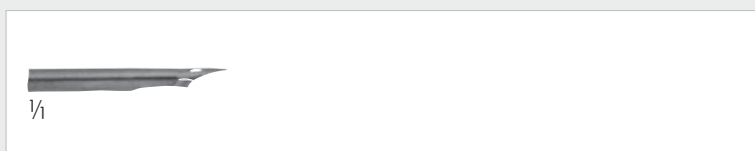


420-832-145

### ECKHOFF

Haut Markier Stift, mit versenkbarer Spitze, 170 mm

Skin Marking Pen, with reversible holder for point, 7 inch



420-832-001

### ECKHOFF

Ersatz Feder

Spare Nib

## HANDSCHNITTMESSER/HAND DERMATOME



1 10-097-305

**BRAITHWAITE (MODIF. HUMBY)**

Handschnittmesser, **für LINKSHÄNDER**, komplett, 300 mm  
Hand Dermatome **LEFT HANDED**, complete, 12 inch

1 10-098-305

Dito, **für RECHTSHÄNDER**, 300 mm  
Same, **RIGHT HANDED**, 12 inch



1 10-098-399

**BRAITHWAITE (MODIF. HUMBY)**

Ersatzklingen, Pack zu 10 Stück, unsteril, 155 mm  
Spare blades, package of 10 pieces, non sterile, 6 inch



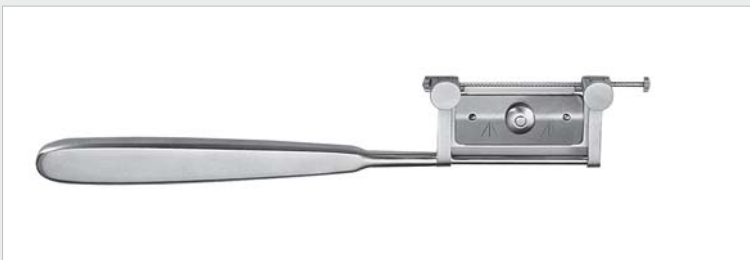
1 10-090-000

**SCHINK**

Dermatom, 300 mm, mit auswechselbaren Klinge und 2 Spannplatten  
Dermatome, 12 inch, with interchangeable Blade and 2 straightening blades

1 10-090-001

Ersatzklinge / Spare blade



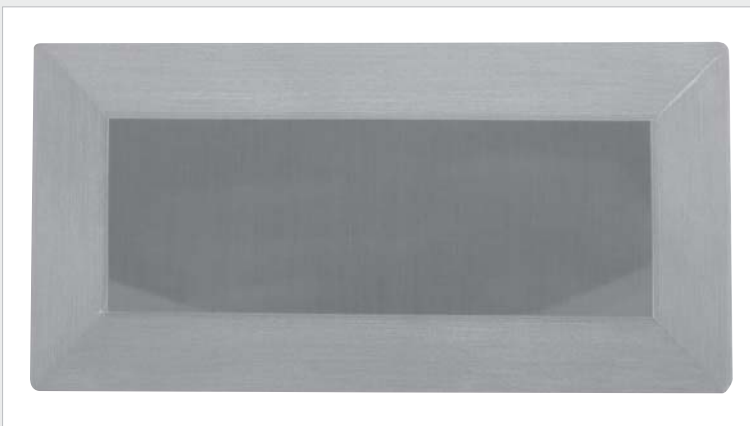
1 10-096-019

**SILVER**

Handschnittmesser, 190 mm  
Skin Graft Knife, 7 1/2 inch

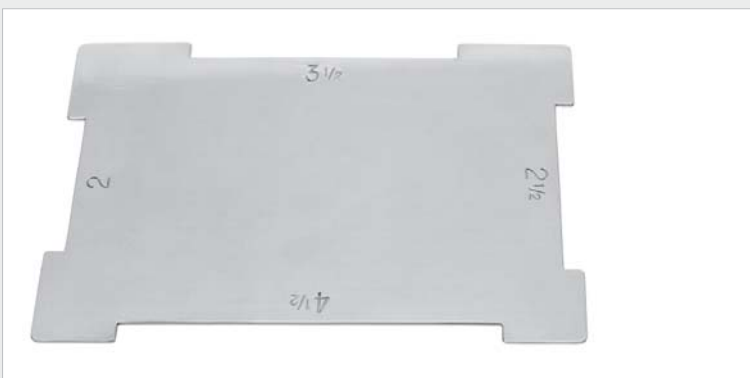
1 10-096-119

Ersatzklinge / Spare blade



1 10-090-150

Hauttransplantationsbrett, abgeschrägter Rand, 200 x 100 mm  
Skin Graft Board, bevelled edge, 200 x 100 mm



1 10-090-100

**GABARRO**

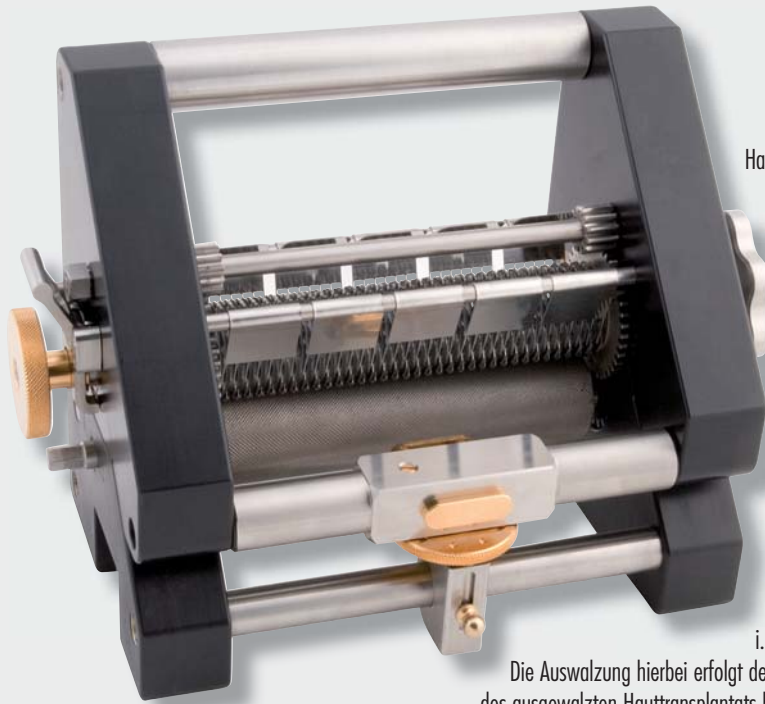
Haut Transplantat Messlehre  
Skin Graft Measure

1 10-355-000

**RZ**

Hauttransplantatwalze

Skin Graft Mesher



Hauttransplantatwalzen wurden entwickelt, um Hauttransplantat flach auszuwalzen. Ziel ist es, es der Haut zu ermöglichen, sich so auszudehnen, dass eine größere Fläche als die, aus der sie entnommen wurde, bedeckt werden kann. Fernerhin kann dadurch eine ungleichmäßige Wundfläche auf Empfängerseite bedeckt oder Blut oder Exsudate drainiert werden. Das Transplantat wird auch in mehreren Stücken gewalzt, je nach benötigtem Transplantat, verfügbarer Haut sowie funktionellen und ästhetischen Gesichtspunkten.

Auf dem Markt sind unterschiedliche Walzgeräte und -systeme verfügbar, jedes mit seinem eigenen Transplantatschlitten. Um die ganze Breite aller Hautstücke abdecken zu können, benötigt man mehrere Walzsysteme, deren Walzvorrichtungen verschieden große Hautstücke bearbeiten können und die jede ihren eigenen Transplantatschlitten benötigen. Die maximale Länge und Breite des auszuwalzenden Hauttransplantats beschränkt sich für gewöhnlich auf die verfügbaren Transplantatschlittenabmessungen, welche i.d.R. weniger als 75 x 200 mm betragen.

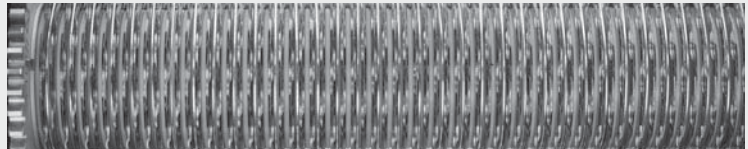
Die Auswalzung hierbei erfolgt derart, dass eine lange Kurbel betätigt wird, die mitunter die präzise Kontrolle des ausgewalzten Hauttransplantats behindert und dadurch eine ziemlich nachdrückliche Kraftanstrengung seitens

des Arztes und der Schwester erfordert ( da u.U. zwei Personen benötigt werden, um einerseits die Hauttransplantatwalze bedienen und sich andererseits zugleich um das Hauttransplantat kümmern zu können).

Skin graft meshers are designed to incise and "mesh" a skin graft in order to allow it to expand and cover an area larger than its donor site, to conform to an irregular recipient site, or to drain exudates or blood. The skin graft may be meshed into several meshing ratios according to the graft size needed, available skin, and functional and aesthetic considerations. Different meshing devices and systems are commercially available, each with its specific carrier. In order to cover the entire range of meshing ratios, one must have available a number of "meshing systems" that include different ratio meshing devices, each requiring their own specific carriers. The length and width of the meshed skin graft is limited by the available carrier's dimensions, usually less than 75 x 200 mm. The meshing action is performed by cranking a long ratchet or a crank that may interfere with the fine control of the extruded skin graft and demands a rather strenuous exertion by the nurse and the surgeon (as two may be needed to operate the mesher and to control the skin graft).

Schmale Klinge eines klassischen elektrischen Dermatome, welche die Breite des auszuwalzenden Hauttransplantats beschränkt ( im Vergleich zu der eines wesentlich breiteren manuellen Dermatome).

Narrow blades of a traditional power dermatome that limit the width of the meshed skin graft (compared to the much wider manual dermatome).



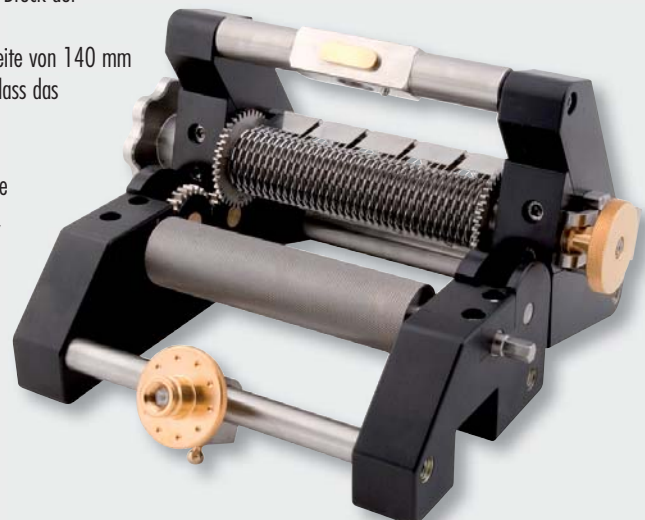
Eine Hauttransplantatwalze allein mit einer einzigartig einstellbaren Walztrommel ermöglicht es, die gesamte Bandbreite aller Hautstücke abzudecken, von 1:1 bis zu mehr als 1:5. Die Walzenbreite beträgt beinahe das Doppelte herkömmlicher Hauttransplantatwalzen und die praktisch unbegrenzte Länge des Transplantatschlittens ermöglicht das Auswalzen von Transplantaten jeglicher Größe und Form. Neuer Standard-Transplantatschlitten 140 x 300 mm mit Hauttransplantat verglichen mit einem schmalen Zimmer Transplantatschlitten. Das einzigartige Hebesystem bietet die Möglichkeit, den Druck auf den Transplantatschlitten zu erhöhen.

Das Hebesystem lässt auch jede feine Platte zu (Plattenstärke von 0,5 bis 5 mm, Plattenweite von 140 mm und unbegrenzte Plattenlänge). Der glatte Transplantatschlitten und ein Netz sorgen dafür, dass das ausgewalzte Hauttransplantat nicht an den Schneideklängen haften bleibt.

A single mesher with a unique adjustable drum that allows for meshing over the entire range of meshing ratios, from 1:1 up to more than 1:5. A) 1:1 mesh ratio, B) 1:2.5 mesh ratio, and C) 1:5 mesh ratio.

The mesher width is nearly double the width of traditional meshers and the practically unlimited length of the carrier allows for meshing grafts of any size and shape. New standard 140 x 300 mm carrier with a skin graft compared to the smaller Zimmer carrier.

The unique elevation system offers the option of increasing the pressure on the carrier. The elevation system also allows any smooth plate (thickness range from 0.5 mm to 5 mm, 140 mm wide and unlimited length. The smooth carrier and a releasing net prevent the meshed skin graft from adhering to the cutting blades.





## RZ HAUTTRANSPLANTATWALZE/RZ SKIN GRAFT MESHER

Die breite Hauttransplantatwalze und speziell konstruierte Klingen schneiden Integra®, ohne es zu quetschen. Die Hauttransplantatwalze kann für Reinigungs- und Wartungszwecke geöffnet werden. Ein spezieller Container zum Transportieren und Autoklavieren bietet die Möglichkeit, die Hauttransplantatwalze zu einer batteriebetriebenen Einheit aufzurüsten - die manuelle Hauttransplantatwalze wird dadurch zur elektrischen Hauttransplantatwalze. Eine einzige Person kann nun die Hauttransplantatwalze bedienen und sich zugleich um das ausgewalzte Hauttransplantat kümmern (hier mit Integra® als Hauttransplantat).

The wide mesher and the specially designed blades cut Integra® without crushing it. The mesher can be opened for cleaning and maintenance. A unique carrying and autoclaving container offers the option of a battery-powered unit that transforms the manual mesher into a powered system. A single operator can operate the mesher while controlling the extruded meshed graft (here with Integra® being meshed).

### Fazit:

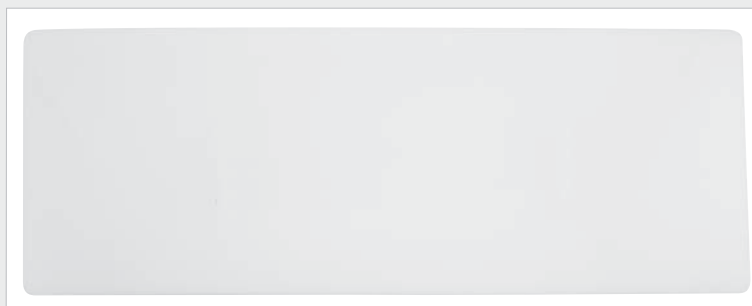
Die neue einstellbare Hauttransplantatwalze ermöglicht es, die gesamte Bandbreite aller Hautstücke mit nur einer Hauttransplantatwalze abzudecken.

### Weitere Vorteile sind:

Es müssen keine Transplantatschlitten in unterschiedlichen Größen mehr vorrätig gehalten werden.  
Es können Hauttransplantate jeder Größe und Form bearbeitet werden.  
Es ist die erste und einzige Hauttransplantatwalze, die sowohl manuell als auch elektrisch betrieben werden kann.

### Conclusions:

The new adjustable mesher offers the entire range of meshing ratios in a single mesher, eliminates the need to stock different skin graft carriers, accommodates skin grafts of any size and shape, and is the first and only mesher that can be power operated or manually operated.



1 10-355-100

### RZ

Transplantatschlitten, Packung á 20 Stück, 140 x 300 mm  
Transplantat carrier, package á 20 pieces, 5 ½ x 11 ¾ inch



1 10-355-200

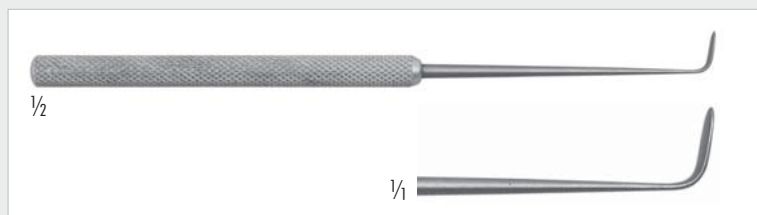
### RZ

Kurbel  
Crank handle

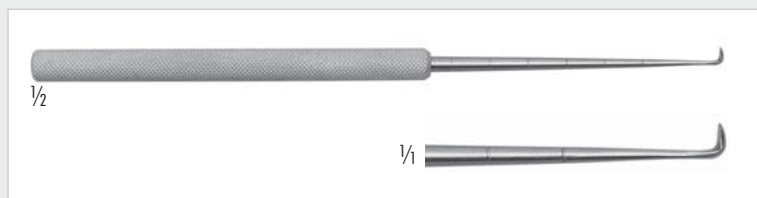


Passende Container finden Sie in der separat erhältlichen Container-Broschüre.  
For suitable sterilizing Containers please refer to our brochure for Containers.

## GAUMENSPALTEN INSTRUMENTE / CLEFT PALATE INSTRUMENTS



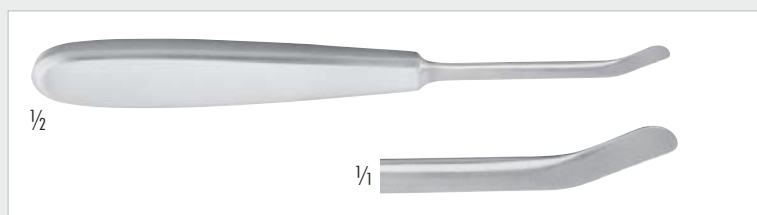
430-100-602 klein/small  
 430-100-601 mittel/medium  
 430-100-600 groß/large  
 Gaumenspalten Elevator, 180 mm  
 Cleft Palate Elevator, 7 inch



430-100-603  
**CRONIN**  
 Gaumenspalten Messer, dreieckig, 180 mm  
 Cleft Palate knife, triangular, 7 inch



420-580-145 aufgebogen/curved upwards  
 420-583-145 abgebogen/curved downwards  
 Gaumenspalten Raspatorium, 170 mm  
 Cleft Palate Raspatory, 6 1/2 inch



420-581-145 aufgebogen, rechts/curved upwards, right  
 420-582-145 aufgebogen, links/curved upwards, left  
 Gaumenspalter Raspatorium, 170 mm  
 Cleft Palate Raspatory, 6 1/2 inch



430-105-002  
**BLAIR**  
 Gaumenspalten Elevator, rechts abgewinkelt, stumpf, 180 mm  
 Cleft Palate Elevator, right angled, blunt, 7 inch



430-105-001  
**BLAIR**  
 Gaumenspalten Elevator, L-Form, stumpf, abgerundet, 180 mm  
 Cleft Palate Elevator, L-Shaped, blunt, rounded, 7 inch



430-105-003  
**BLAIR**  
 Gaumenspalten Elevator, flach, stumpf, 200 mm  
 Cleft Palate Elevator, flat, blunt, 8 inch



GAUMENSPALTEN INSTRUMENTE / CLEFT PALATE INSTRUMENTS



431-200-003  
Gaumenspalten Häkchen, langes Blatt, 180 mm  
Cleft Palate Hooklet, long blade, 7 inch

431-200-001  
Gaumenspalten Häkchen, kurzes Blatt, 180 mm  
Cleft Palate Hooklet, short blade, 7 inch



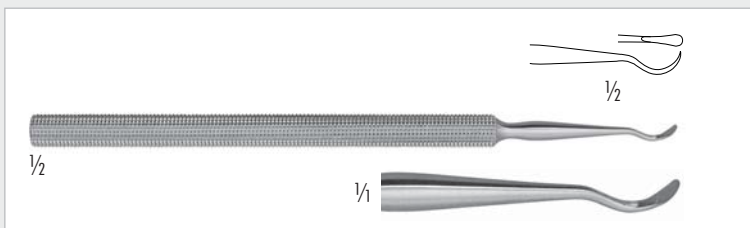
431-200-013  
Gaumenspalten Dissektor, langes Blatt, 180 mm  
Cleft Palate Dissector, long blade, 7 inch

431-200-011  
Gaumenspalten Dissektor, kurzes Blatt, 180 mm  
Cleft Palate Dissector, short blade, 7 inch

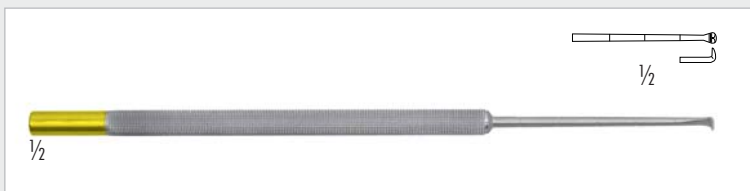


431-200-021  
Gaumenspalten Elevator, leicht gebogen, 180 mm  
Cleft Palate Elevator, slightly curved, 7 inch

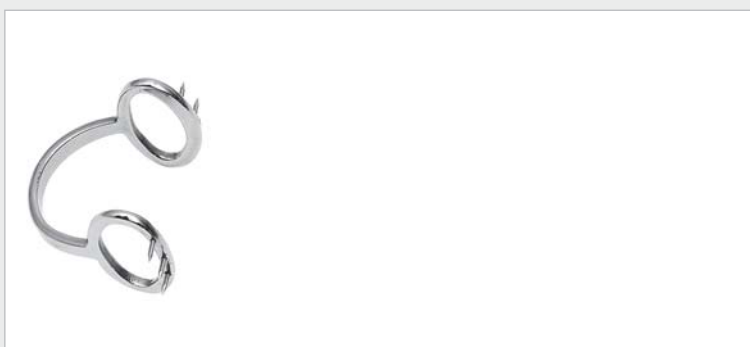
431-200-023  
Gaumenspalten Elevator, gebogen, 180 mm  
Cleft Palate Elevator, curved, 7 inch



431-200-100  
Gaumenspalten Raspatorium, 170 mm  
Cleft Palate Periosteal Elevator, 6 3/4 inch



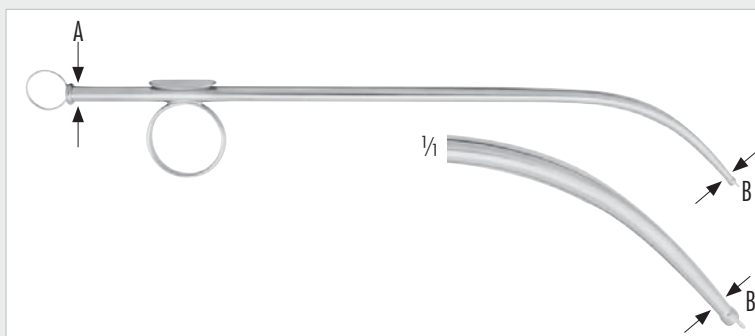
431-200-027  
Gaumenspalten Messer, dreieckiges Blatt, 180 mm  
Cleft Palate Knife, triangular blade, 7 inch



420-985-013 28 mm breit/1 1/8 inch wide  
420-985-014 32 mm breit, 1 1/4 inch wide  
420-985-015 35 mm breit, 1 3/8 inch wide  
Logan Bogen, mit Zähnen  
Logan Bow, with teeth



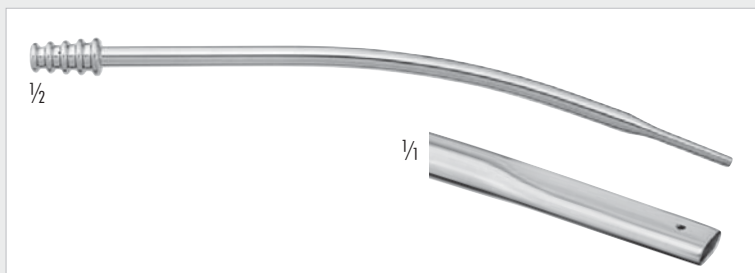
## SAUGKANÜLEN/SUCTION CANNULAS



|             | Ø A    | Ø B    |
|-------------|--------|--------|
| 410-404-030 | 3,6 mm | 3,0 mm |
| 410-404-035 | 4,0 mm | 3,5 mm |
| 410-404-040 | 4,5 mm | 4,0 mm |

### MAGILL

Saugkanülen, 245 mm  
Suction Tube, 9 3/4 inch



165-064-160

Nasensaugrohr, LUER-Bohrung, Spitze 6,5 mm breit, Ø 5 mm, 180 mm  
Nasal Suction Tube, with LUER, tip 6,5 mm wide, Ø 5 mm, 7 inch



165-523-110 10 Fr.  
165-523-112 12 Fr.

### FRAZIER

Saugkanüle mit Kaltlichtkanal, 190 mm  
Suction Cannula with Fiber Optic Light channel, 7 1/2 inch



165-525-006 6 Charr./Fr.  
165-525-007 7 Charr./Fr.  
165-525-008 8 Charr./Fr.  
165-525-010 10 Charr./Fr.  
165-525-012 12 Charr./Fr.

### FERGUSSON

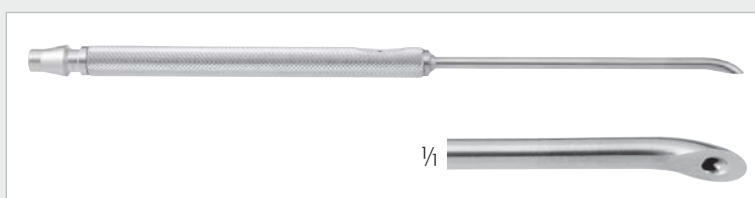
Saugkanüle, 180 mm  
Suction Tube, 7 inch



165-743-270

### YANKAUER

Saugkanüle, mit Kaltlichtkanal, 270 mm  
Suction Cannula, with Fiber Optic Light channel, 10 1/2 inch



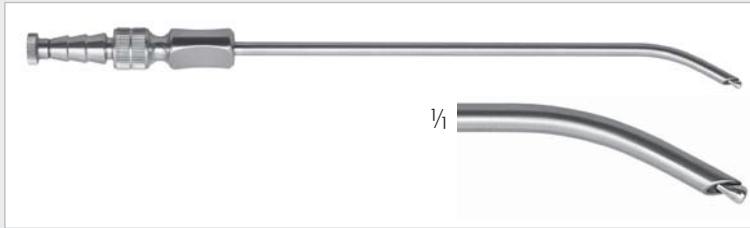
420-310-190

### RZ

Nasen Saugdissektor, mit Fingerkontrolle und Luer Anschluss  
mit rundem, gerändeltem Griff, Ø 8 mm, 190 mm  
Nasal Suction Dissector, with thumb control and luer connector  
with knurled round handle, Ø 8 mm, 7 1/2 inch



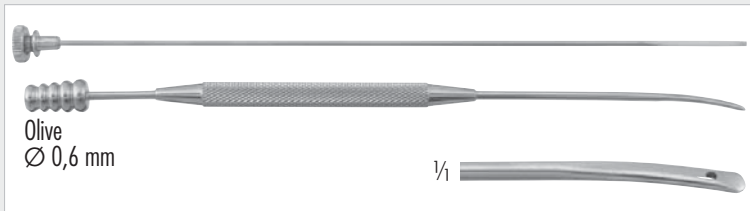
## SAUGKANÜLEN/SUCTION CANNULAS



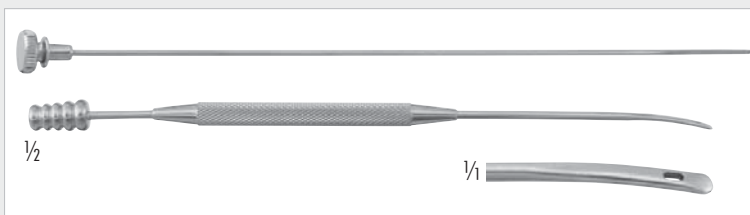
1 65-521-004  
**ADSON**  
Saugkanüle, 4 mm Ø, 210 mm  
Suction Cannula, 4 mm Ø, 8 1/4 inch



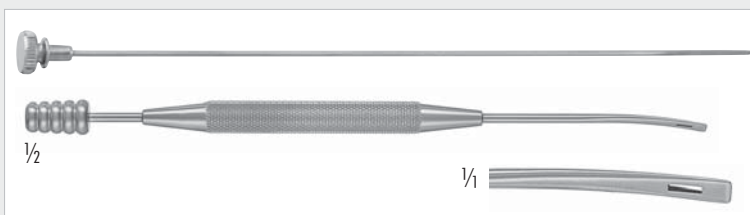
1 65-522-200 links gebogen/left curved  
1 65-521-200 rechts gebogen/right curved  
**GUILLEN**  
Saugraspatorium, 200 mm  
Suction Elevator, 8 inch



420-395-205 6 mm  
**NEGUS**  
Saugdissektor, stumpf, 210 mm  
Suction Dissector, blunt, 8 1/4 inch



420-252-185  
**GORNEY**  
Saugraspatorium, 3 mm, stumpf, 180 mm  
Suction Raspator, 3 mm, blunt, 7 inch



420-253-185  
**GORNEY**  
Saugraspatorium, eckiges Arbeitsende, 3 mm, scharf, 180 mm  
Suction Raspator, square working end, 3 mm, semi-sharp, 7 inch



166-916-000 RZ 16 Elektrosauger 110V, 50/60Hz  
RZ 16 Suction Unit 110V, 50/60Hz

166-916-001 RZ 16 Elektrosauger 220V, 50/60Hz  
RZ 16 Suction Unit 220V, 50/60Hz

Mit dem RZ 16 steht dem Anwender ein Elektrosauger zur Verfügung, der durchdachte Bedienungen und große Zuverlässigkeit in sich vereint. Das über Jahre bewährte Konzept wurde durch zusätzliche, zeitgemäße Ausstattungen ergänzt. So sind in der Standard Ausführung Vakuummeter, Feinregulierung und Bakterienfilter integriert. Das kontrollierte Vakuum, der hohe Qualitäts- und Sicherheitsstandard und das optimale Preis-Leistungsverhältnis eröffnen vielseitige medizinische Anwendungsbereiche.

With the electro-suction unit RZ 16 you will find special features, such simple operation, high reliability, integrated in a compact design. After years of experience, we have combined well-proven functions with additional up-to-date systems. Standard scope of supply will now include vacuumgauge, fine-control suction and bacterial filter. Easy vacuum control, conformity with latest quality and safety standard as well as an optimum price level make the RZ 16 most suitable for various ranges of medical application.

### RZ 16 Elektrosauger

- Einfache Bedienung
- Integrierter Bakterienfilter
- Leichte Pflege
- Bewährte Technik

### RZ 16 Suction Unit

- Easy operation
- Integrated bacterial filter
- Easy care
- Approved technology

### Technische Daten:

Aggregatleistung : 16± 2 l/min  
 Vakuum : 800 mbar = 600 mmHg  
 Sekretbehälter : 1 l Glasbehälter  
 Saugschlauch : ø 6 mm, Länge 1,25 m  
 Nennspannung : 230V oder 110V, 50/60Hz  
 Leistungsaufnahme: 61 W  
 Netzkabel : 2 m  
 Abmessungen : 206 x 362 x 174 mm  
 Gewicht : 3,5 Kg  
 Farbe : grauweiß

### Specifications:

Air flow rate of pump : 16± 2 l/min  
 Vacuum : 800 mbar = 600 mmHg  
 Collection jars : 1 l glas barrel  
 suction tube : ø 6 mm, length 1.25 m  
 Nominal voltage : 230V and 110V, 50/60Hz  
 Power consumption : 61 W  
 Power cable : 2 m  
 Dimensions : 206 x 362 x 174 mm  
 Weight : 3.5 Kg  
 Color : grey-white



300-001-180 ALEXIS Light Source (180 Watt)

The superior ALEXIS 180 XENON light source offers superior white examination light (sunlight spectrum) for all endoscopic applications, for example during:

- video endoscopy
- fiber endoscopy
- endoscopy using rigid telescopes
- for use with head lights

The unique AUTOMATIC function completes this outstanding Light source

Technical Data

|                        |                                   |                   |  |
|------------------------|-----------------------------------|-------------------|--|
| Type of lamp           | Xenon XBO 180                     | Average lamp life | 500 h  |
| Power Output (Light)   | 180 Watt                          | Protection class  | Class I according Council Directive 93/42/EEC  |
| Colour temperature     | Approx. 6000°K                    | Classification    | BF without function group with 1 Patient circuit   |
| Light Cable Connection | Storz®- compatibility             | Test standard     | IEC 60601-1, IEC 60601-1-2, MPG  |
| Power input            | 400 VA                            | Features          | Electronic Diaphragm, Lamp lifetime counter, Programmable Automatic function for Diaphragm (set "erase to 100%") |
| Power frequency        | 50/60 Hz                          |                   |  |
| Mains voltage          | 115/230 V                         |                   |  |
| Mains fuse             | 115 V: T 6.3 A<br>230 V: T 3.15 A |                   |  |
| Dimensions (WxHxD)     | 380 x 125 x 380 mm                |                   |  |
| Weight                 | 7 kg                              |                   |  |



300-900-025 LED true-color light source

Features:

- LED true-color light source with 5.800°K light temperature
- 25W high intensity LED technology — equivalent to 100 Watt Xenon light source
- Up to 50.000 h lamp life
- RZ/Storz light cable connector
- World-wide power supply with active cooling
- Total weight: only 1.5 kg



300-900-150 230 V HALOGEN light source 150 W  
 300-900-151 110 V HALOGEN light source 150 W

Features:

- Halogene light source 150W with reflector technology
- RZ/Storz light cable connector
- Total weight: only 4.5 kg



300-001-405 DEISy Camera 230V / PAL  
 300-001-406 DEISy Camera 110V / NTSC

consisting of:

|                                |                    |
|--------------------------------|--------------------|
| 1 Control Unit                 | 1 Y/C cable        |
| 1 Camera head with 3.0 m cable | 1 Mains cable      |
| 1 BNC-BNC cable                | 1 Operating manual |

The RZ-Camera is a waterproof 1-Chip-Micro-colour camera distinguished by a small camera head including a super chip. The DEISy Camera offers a natural live picture in all endoscopic procedures.

Features:

- Our adaptable quick-coupling is standard and can be connected to all RZ-telescopes without using a C-Mount, which reduces the weight and gives a better handling.
- Straight cable outlet on the camera head enables a simple use of a beam splitter.
- Multifunctional use with endoscopes from 2 mm to 10 mm

## Technical Data

|                      |   |                         |  |
|----------------------|---|-------------------------|--|
| Videosystem          | PAL/NTSC  | Power consumption       | 20 W   |
| Image sensor         | 1-CCD - Chip-1/2"                                   | Fuse                    | 2 x T 500 mA - 250 V   |
| Active Pixel         | 752 x 582/768x454                                   | Illumination            | Standard 2.500 lux F 8 (3.000K)<br>Minimum 3 lux / F 1.4 (AGC on)  |
| Scanning Lines       | 625/525   | Objective focal length  | Variable with TV-Adapter   |
| Scanning System      | 2:1 Interlaced                                      | Weight                  | Control unit: 2,5 kg<br>Camera head: 200 g                         |
| Sync System          | intern  | Dimensions (HxWxD)      | Control unit: 55 x 325 x 270 mm<br>Camera head: (Ø x L) 30 x 51 mm |
| HD/VD Frequency      | 15.625 kHz / 50 Hz / 15.743 kHz - 59,94 Hz          | Standard cable          | 3 m  |
| Aspect ratio         | 4:3   | Light source dependency | Suitable for Halogen and Xenon                                     |
| Video Output         | 1xY/C (S-VHS), 1xComposite<br>(opt. each 2 outputs) | Protection class        | I  |
| Resolution           | 470(H)x430(V) Lines / 470(H)x350(V) Lines           | Classification          | BF without function group with<br>1 Patient circuit                |
| Signal / Noise Ratio | > 46 dBp-p  | Test standard           | IEC 60601-1, IEC 60601-1-2, MPG                                    |
| High-Speed-Shutter   | max. 1/100.000 sec                                  |                         |  |
| White balance        | semi-automatic, storable                            |                         |  |
| Power supply         | 230 V AC ± 10%                                      |                         |  |
| Frequency            | 50 Hz   |                         |  |



(Picture shows a TV-Adaptor that is *not* included)

- 300-002-100 BasoCam 110-230 V/PAL
- 300-002-110 BasoCam 110-230 V/NTSC

consisting of:

- 1 Control Unit
- 1 Camera head with 3.0 m cable
- 1 BNC-BNC cable

The RZ BasoCam is a waterproofed 1-Chip camera. The camera is mainly suitable for the diagnostic in Laparoscopy.

Features:

- excellent price/performance ratio
- cost-efficient 1-Chip camera
- approved colour
- user-friendly camera, handling is very easy without any complicated adjustments
- disinfection by immersion (camera head)
- can be used for Xenon as well as for Halogen light sources

Technical Data

|                        |  |                         |  |
|------------------------|--|-------------------------|--|
| TV-System              | NTSC/PAL   | White balance           | manual White Balance by color shift                            |
| Image sensor           | Interline transfer -1/3"                                       | Power supply            | 100-250V AC ± 5%   |
| Active pixel           | 758 (H) x 492 (V)/752 (H) x 582 (V)                            | Frequency               | 60 Hz/50   |
| Active image area      | 4,8 (H) x 3,7 (V) mm (equivalent to 1/3")                      | Power consumption       | 15 W max.  |
| Scanning lines         | 525/625  | Fuse                    | 2 x T 1A /250V   |
| Scanning system        | 2:1 interlaced   | Weight                  | Control unit 3500 g<br>Camera head 150 g                       |
| Sync system            | Internal   | Dimensions (HxWxD)      | Control unit 70 x 330 x 280 mm<br>Camera head (WxL) 34 x 75 mm |
| Scanning frequency (H) | 15.743 kHz/ 15.625 kHz   | Standard cable          | 3 m  |
| Scanning frequency (V) | 59,94 Hz/50 Hz   | Light source dependency | Suitable for Halogen, Xenon,                                   |
| Aspect ratio           | 4:3  | Protection class        | I  |
| Illumination           | Standard 2.500 lux F8 (3.000K)<br>Minimum 3 lux/F 1.4 (AGC on) | Classification          | BF without function group with<br>1 Patient circuit            |
| Video output           | 1 x FBAS   | Test standard           | IEC 601-1, IEC 601-1-2, MPG                                    |
| Resolution (H)         | 470 NTSC/470 PAL   |                         |  |
| Resolution (V)         | 350 NTSC/430 PAL   |                         |  |
| Signal/Noise ratio     | > 46 dBp-p   |                         |  |
| High-Speed-Shutter     | Automatic Shutter<br>max. Shutter Speed 1/100.000 sec.         |                         |  |





250-018-050  
Zoom parfocal  
Stays in focus while adjusting zoom magnification  
f=18-50 mm, c-mount, soakable, HD-Ready



Direct Coupler, C-Mount, soakable, HD Ready  
(lens with fixed focal distance)

- 250-025-023 F=23 mm
- 250-025-025 F=25 mm
- 250-025-028 F=28 mm
- 250-025-035 F=35 mm



Angled 90°, with swivel and fixation, c-mount,  
soakable, HD ready

- 250-022-025 F=25 mm
- 250-022-030 F=30 mm



Beamsplitter, allows simultaneous video and  
direct views, c-mount, soakable, HD-ready

- on request F=18 mm (splitting 90/10)
- 250-020-025 F=25 mm (splitting 90/10)
- 250-020-030 F=30 mm (splitting 90/10)



300-001-408 C-Mount



300-001-409 Quick-coupling



- 250-035-180 Ø 3,5 mm, 1800 mm
- 250-035-230 Ø 3,5 mm, 2300 mm
- 250-035-300 Ø 3,5 mm, 3000 mm
- 250-048-180 Ø 4,8 mm, 1800 mm
- 250-048-230 Ø 4,8 mm, 2300 mm
- 250-048-300 Ø 4,8 mm, 3000 mm

**RZ**

Lichtleitkabel, ohne Adapter (Seite 109)

Fibre optic light guide, without adaptor pieces (page 109)



- 250-053-180 Ø 3,5 mm, 1800 mm
- 250-053-230 Ø 3,5 mm, 2300 mm
- 250-051-180 Ø 4,8 mm, 1800 mm

**RZ**

Kaltlichtleitkabel, mit 2 Lichteingängen und 1 Lichtausgang, ohne Adapter (Seite 109)

Cold light cable, with 2 light inputs and 1 light output, without adaptor pieces (page 109)



- 250-054-180 Ø 3,5 mm, 1800 mm
- 250-054-230 Ø 3,5 mm, 2300 mm
- 250-055-230 Ø 4,8 mm, 2300 mm

**RZ**

Kaltlichtleitkabel, mit 1 Lichteingang und 2 Lichtausgängen, ohne Adapter (Seite 109)

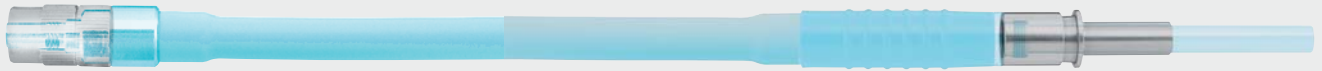
Cold light cable, with 1 light input and 2 light outputs, without adaptor pieces (page 109)



## ADAPTER FÜR LICHTLEITKABEL/ADAPTOR PIECES FOR FIBRE LIGHT GUIDE

Adapter für Lichtleitkabel zum Anschluß an die Optik  
Adaptor pieces for fibre light guide to use with telescope

Adapter für Lichtleitkabel zum Anschluß an die Lichtquelle  
Adaptor pieces for fibre light guide to use with lightsource



RZ/Storz/Olympus



250-042-000

RZ/Storz



250-039-000

Wolf



250-037-000

Wolf



250-040-000

ACMI/British Standard/CUDA



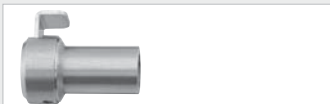
250-038-000

Olympus



250-044-000

ACMI/British Standard



250-041-000

Luxtec



250-048-000

Olympus - Standard



250-045-000

Stryker



250-051-000

Heine



250-052-000

Pentax



250-059-000

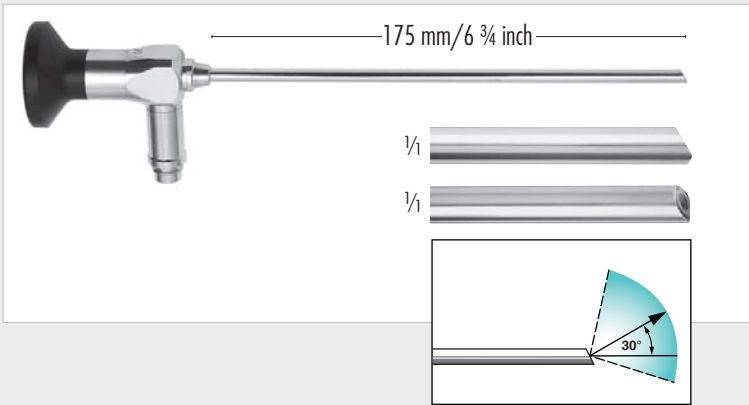
### Bestellbeispiel/Ordering Example:

Lichtleitkabel, 4.8mm x 2300 mm für RZ-Teleskop oder Brustretraktor und RZ-Lichtquelle = 250-048-230 + 250-039-000 + 250-042-000

Light guide, 4.8 mm x 2300 mm for RZ-Telescope or breast retractor and RZ-Lightsource = 250-048-230 + 250-039-000 + 250-042-000

## SHAPERS

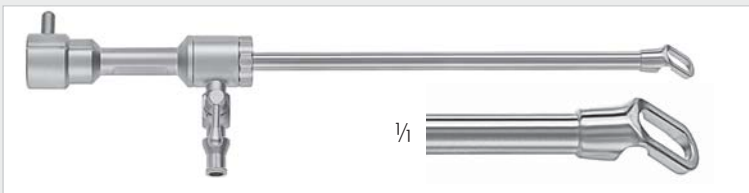
Instrumente für die Plastische Gesichtsendoskopie/Instruments for Forehead and Facelift endoscopic Surgeries



260-104-030 Ø 4 mm

260-105-030 Ø 5 mm

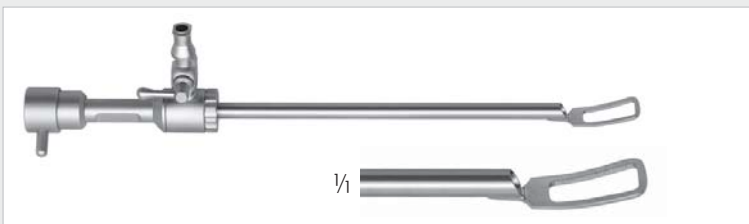
SHAPER Endoskop für die plastische Endoskopie, 30°, Weitwinkel, autoklavierbar, zur Verwendung mit allen SHAPER Schäften  
SHAPER Telescope for Plastic Endoscopy, 30°, Wide Angle, autoclavable, for use with all SHAPER Sheaths



260-501-180 Ø 4 mm

260-501-185 Ø 5 mm

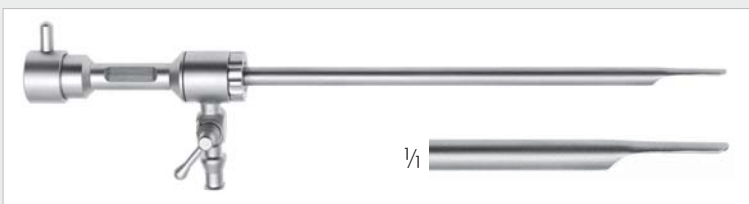
SHAPER Schaft mit einem rotierbaren Hahn mit aufgewinkelter Spatelspitze für eine optimale Sicht während der Gewebedissektion  
SHAPER Sheath with one rotating stop cock, with angled spatula tip for the best view during tissue dissection



260-502-180 Ø 4 mm

260-502-185 Ø 5 mm

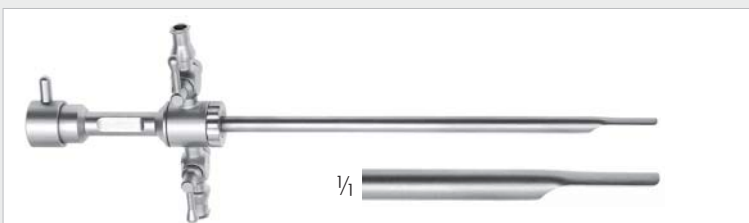
SHAPER Schaft für plastische Endoskope mit einem rotierbaren Hahn mit großer aufgewinkelter Spatelspitze für eine optimale Sicht während der Gewebedissektion  
SHAPER Sheath for plastic telescopes with one rotating stop cock, with large angled up spatula tip for the best view during tissue dissection



251-140-175 Ø 4 mm

251-150-175 Ø 5 mm

SHAPER Schaft für die plastische Endoskopie, mit einem rotierbaren Hahn, mit flacher Spatelspitze  
SHAPER Sheath for plastic Endoscopy, with one rotating stop cock, with a flat spatula tip



251-340-175 Ø 4 mm

251-345-175 Ø 5 mm

SHAPER Schaft für plastische Endoskope, mit zwei rotierbaren Hähnen, mit flacher Spatelspitze  
SHAPER Sheath for plastic telescopes, with two rotating stop cocks, with a flat spatula tip

## SHAPERS

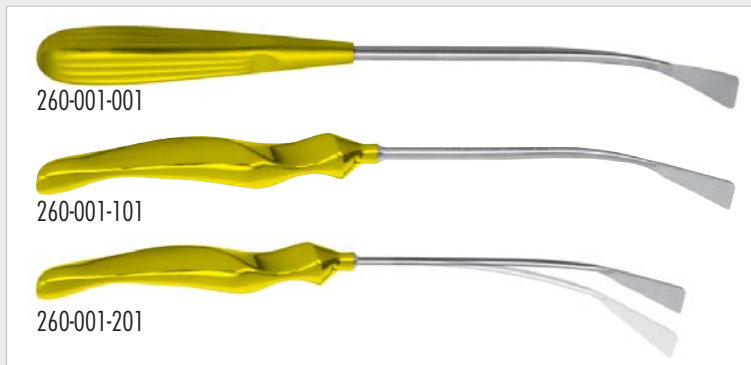
SHAPER Dissektoren: Entwickelt, um sich den Gesichtskonturen anzupassen.

Die große Anzahl an unterschiedlichsten Dissektoren ermöglicht den Einsatz in sämtlichen anatomischen Gegebenheiten. Die Balance der Instrumente wird von beiden Griffvarianten bestens gewährleistet, ebenso eine gute Griffigkeit, welche ein langes und präzises Arbeiten ermöglicht.

SHAPER Dissectors: Designed to fit facial contours.

The large number of most different dissectors enables the application in all different anatomical conditions.

The well balanced instruments in combination with the handle design will give a good grip ensure precise working during long surgeries.



260-001-001

SHAPER Kopfhaut Elevator, leicht gebogen, 12,5 mm breit, 240 mm  
SHAPER Scalp Elevator, slightly curved, 12.5 mm wide, 9 ½ inch

260-001-101

mit Ergo-Handgriff/with Ergo Handle

260-001-201

biegsam/malleable



260-001-002

SHAPER Kopfhaut Elevator, medium gebogen, mit  
abgewinkelter Spitze, 12,5 mm breit, 240 mm  
SHAPER Scalp Elevator, half curved, with angled tip,  
12.5 mm wide, 9 ½ inch

260-001-102

mit Ergo-Handgriff/with Ergo Handle

260-001-202

biegsam/malleable



260-002-001

SHAPER Dissektor, halb gebogen, 7,0 mm breit, 240 mm  
SHAPER Dissector, half curved, 7.0 mm wide, 9 ½ inch

260-002-101

mit Ergo-Handgriff  
with Ergo Handle

260-002-201

biegsam/malleable



260-007-001

SHAPER Transoraler Dissektor, gebogen, 7,0 mm breit, 235 mm  
SHAPER Transoral Dissector, curved, 7.0 mm wide, 9 ¼ inch

260-007-101

mit Ergo-Handgriff/with Ergo Handle

260-007-201

biegsam/malleable



## SHAPERS



260-002-003  
SHAPER Skalp Elevator, gerade, 7,0 mm breit, 240 mm  
SHAPER Scalp Elevator, straight, 7.0 mm wide, 9 ½ inch

260-002-103  
mit Ergo-Handgriff/with Ergo Handle

260-002-203  
biegsam/malleable



260-020-001  
SHAPER Stirnbein Dissektor, gebogen, 6,5 mm breit, 240 mm  
SHAPER Frontotemporal Dissector, curved, 6.5 mm wide, 9 ½ inch

260-020-101  
mit Ergo-Handgriff/with Ergo Handle

260-020-201  
biegsam/malleable



260-023-000  
SHAPER Stirnbein Dissektor, S-Form, 266 mm  
SHAPER Frontoglabellar Dissector, S-shaped, 10 ½ inch

260-023-100  
mit Ergo-Handgriff/with Ergo Handle

260-023-200  
biegsam/malleable



260-024-000  
SHAPER Arcus Marginalis Dissektor, S-Form, 240 mm  
SHAPER Arcus Marginalis Dissector, S-shaped, 9 ½ inch

260-024-100  
mit Ergo-Handgriff/with Ergo Handle

260-024-200  
biegsam/malleable



260-020-000  
SHAPER Stirnbein Dissektor, gerade, 10 mm breit, 225 mm  
SHAPER Frontotemporal Dissector, straight, 10 mm wide, 8 ¾ inch

260-020-100  
mit Ergo-Handgriff/with Ergo Handle

260-020-200  
biegsam/malleable



## SHAPERS



260-025-000  
SHAPER Knochenhaut Dissektor, S-Form, 5 mm breit, 240 mm  
SHAPER Periosteal Dissector, S-shaped, 5 mm wide, 9 1/2 inch

260-025-100  
mit Ergo-Handgriff/with Ergo Handle

260-025-200  
biegsam/malleable



260-003-001  
SHAPER Nerven Dissektor, leicht gebogen, 240 mm  
SHAPER Nerve Dissector, slightly curved, 9 1/2 inch

260-003-101  
mit Ergo-Handgriff/with Ergo Handle

260-003-201  
biegsam/malleable



260-004-001  
SHAPER Augenhöhlenrand Dissektor, medium gebogen, 240 mm  
SHAPER Orbital Rim Dissector, half curved, 9 1/2 inch

260-004-101  
mit Ergo-Handgriff/with Ergo Handle

260-004-201  
biegsam/malleable



260-022-000  
SHAPER Schläfen Dissektor, gerade, 235 mm  
SHAPER Temporal Dissector, straight, 9 1/4 inch

260-022-100  
mit Ergo-Handgriff/with Ergo Handle

260-022-200  
biegsam/malleable

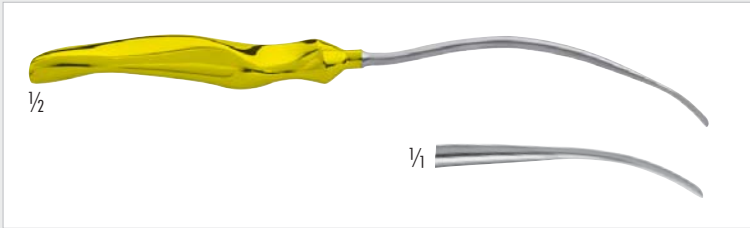


260-021-000  
SHAPER Periosteal Scheitelbein Dissektor, gebogen 250 mm  
SHAPER Periosteal Dissector, curved, 9 3/4 inch

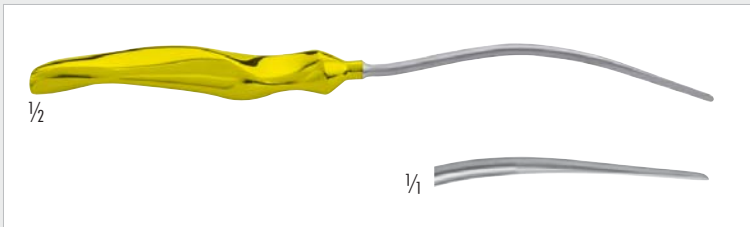
260-021-100  
mit Ergo-Handgriff/with Ergo Handle

260-021-200  
biegsam/malleable

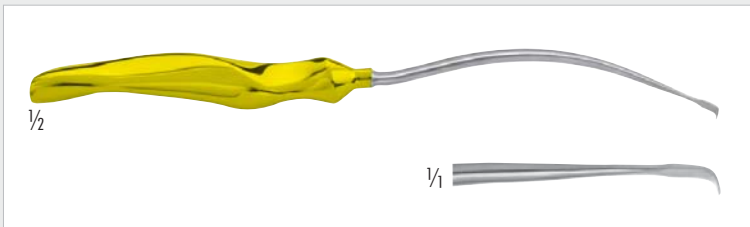




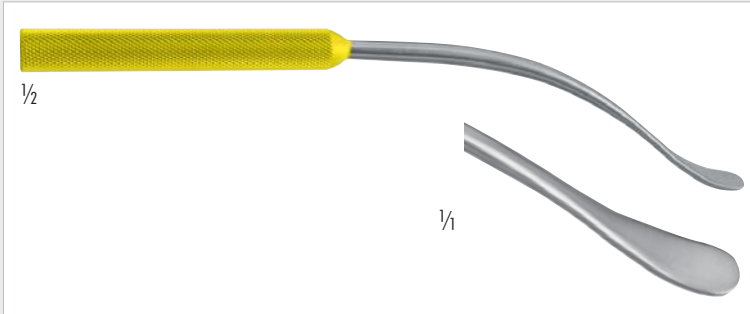
260-202-101  
SHAPER-Mini, endoskopischer Stirn Elevator, halb gebogen,  
mit Ergo-Griff, 180 mm  
SHAVER-Mini, endoforehead Elevator, half curved,  
with Ergo-handle, 7 inch



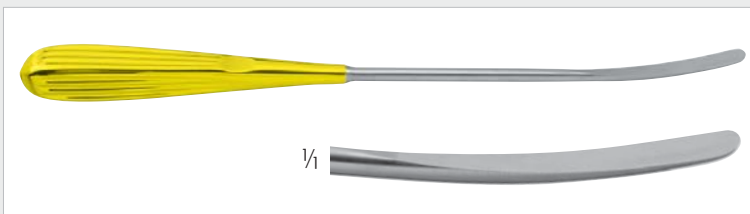
260-202-103  
SHAPER-Mini, endoskopischer Stirn Elevator, leicht gebogen,  
mit Ergo-Griff, 180 mm  
SHAVER-Mini, endoforehead Elevator, slightly curved,  
with Ergo-handle, 7 inch



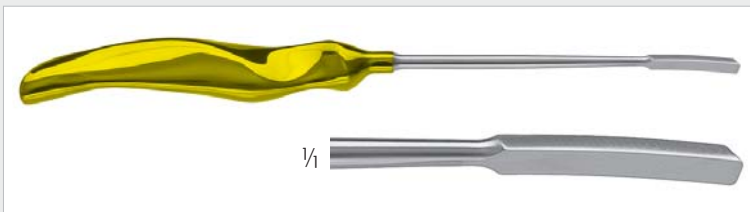
260-202-105  
SHAPER-Mini, endoskopischer Stirn Dissektor, stark gebogen,  
mit Ergo-Griff, 180 mm  
SHAVER-Mini, endoforehead Dissector, full curved,  
with Ergo-handle, 7 inch



260-008-005  
**RAMIREZ**  
Endoskopischer Stirn Corrugator, Procerus-Dissektor, 195 mm  
Endoforehead Corrugator, Procerus dissector, 4  $\frac{2}{3}$  inch

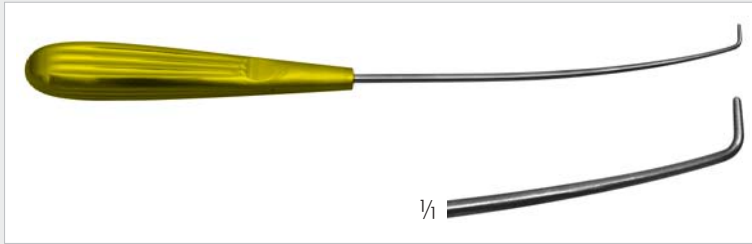


260-002-002  
Periost-Elevator, 7 mm breit, gebogen, 235 mm  
Periost Elevator, 7 mm wide, curved, 9  $\frac{1}{4}$  inch

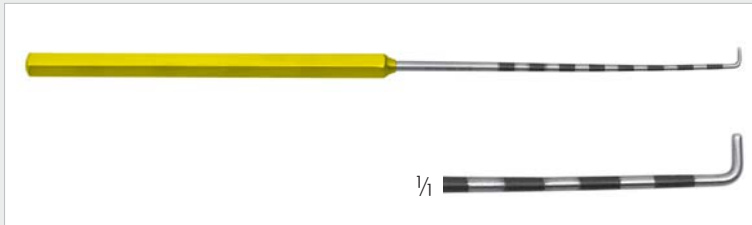


260-026-100  
Ramirez Flap Dissector, gerade, mit Ergo Griff, vergoldet  
Ramirez Flap Dissector, straight, with golden Ergo handle

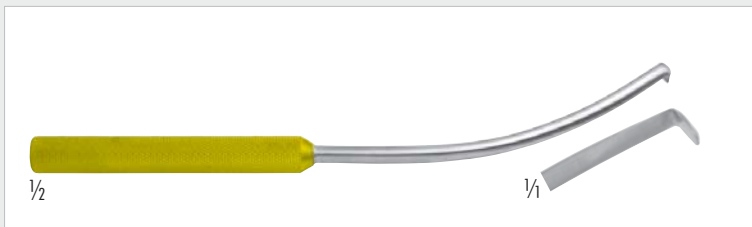
## SHAPERS



260-003-002  
SHAPER Nervenhooken, rechts gebogen, 240 mm  
SHAPER Nerve Hook, curved right, 9 1/2 inch



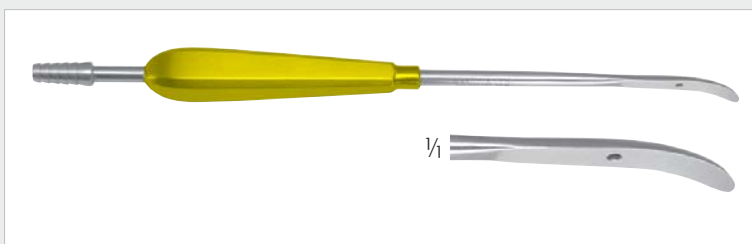
260-003-003  
SHAPER Nervenhooken, links gebogen, 240 mm  
SHAPER Nerve Hook, curved left, 9 1/2 inch



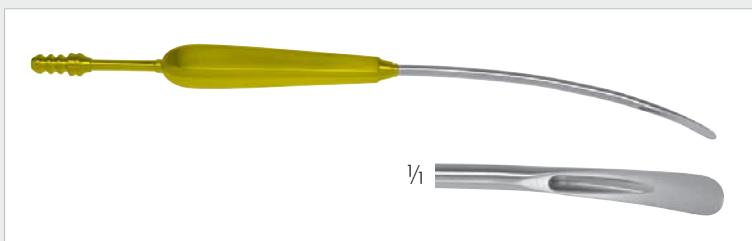
260-008-003  
SHAPER Nerven Protektor, rechts gebogen, 170 mm  
SHAPER Nerve Protector, curved right, 6 3/4 inch



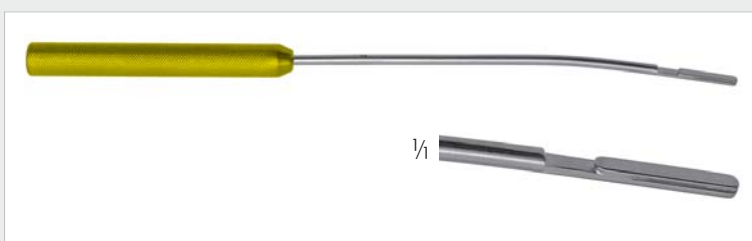
260-008-002  
SHAPER Nerven Protektor, links gebogen, 170 mm  
SHAPER Nerve Protector, curved left, 6 3/4 inch



260-002-005  
Saugelevator, leicht gebogen, runde Schneide, 8 mm breit, 260 mm  
Suction Elevator, slightly curved, round edge, 8 mm wide, 10 1/4 inch



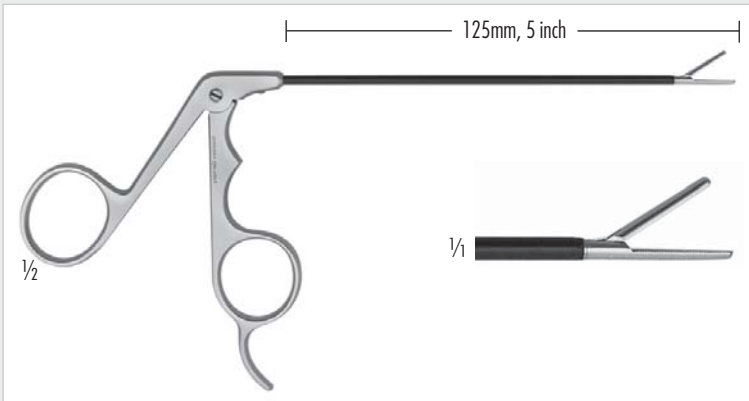
260-002-015  
Saugelevator, medium gebogen, runde Schneide, 8 mm breit, 260 mm  
Suction Elevator, half curved, round edge, 8 mm wide, 10 1/4 inch



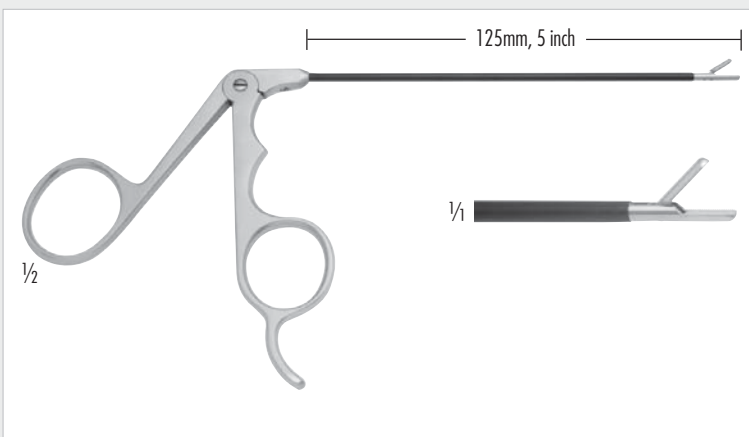
260-006-001  
Skalpellgriff für Klappen von Fig. 10-15C,  
nach unten gewinkelt, 230 mm  
Scalpel Handle for blades Fig. 10-15,  
angled downwards, 9 inch



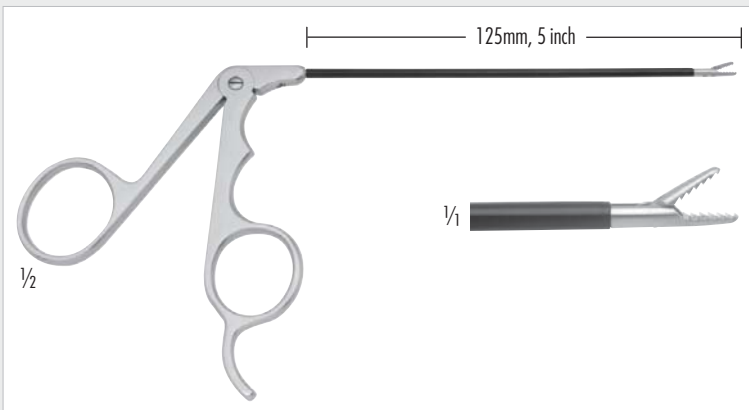
## SHAPERS



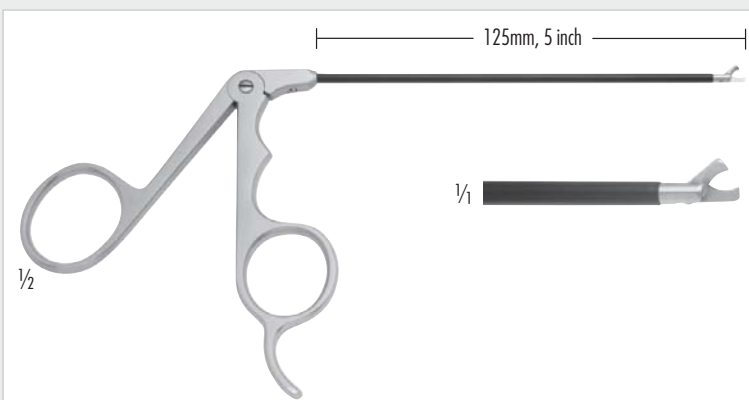
260-204-100 gerade/straight  
 260-204-200 rechts gebogen/right curved  
 260-204-500 links gebogen/left curved  
 SHAPER Fassungszange mit langem gerieftem Maul, isolierter Schaft,  
 2,7 mm Ø, 125 mm Arbeitslänge  
 SHAPER Grasping Forceps with long serrated jaws, insulated shaft,  
 2.7 mm Ø, 5 inch working length



260-204-600 gerade/straight  
 260-204-400 rechts gebogen/right curved  
 260-204-300 links gebogen/left curved  
 SHAPER Fassungszange mit kurzem, starkem Maul, isolierter Schaft,  
 2,7 mm Ø, 125 mm Arbeitslänge  
 SHAPER Grasping Forceps with short strong jaws, insulated shaft,  
 2.7 mm Ø, 5 inch working length



260-204-627 gerade/straight  
 260-204-427 rechts gebogen/right curved  
 260-204-327 links gebogen/left curved  
 SHAPER Fassungszange mit kurzem Maul und aggressiven Zähnen, isolierter  
 Schaft, 27 mm Ø, 125 mm Arbeitslänge  
 SHAPER Grasping Forceps with short jaws with aggressive teeth,  
 insulated shaft, 2.7 mm Ø, 5 inch working length



260-203-600 gerade/straight  
 260-203-700 rechts gebogen/right curved  
 260-203-800 links gebogen/left curved  
 SHAPER Hakenschere, isolierter Schaft, 2,7 mm Ø,  
 125 mm Arbeitslänge  
 SHAPER Hook Scissors insulated shaft, 2.7 mm Ø,  
 5 inch working length

SHAPERS

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
| <p>300-750-001<br/>Kunststoffhandgriff,<br/>drehbar, HF-Anschluss<br/>Carbon Fiber Handle,<br/>rotating, HF-connection</p> | <p>300-750-003<br/>Kunststoffhandgriff,<br/>drehbar, mit Sperre, HF-Anschluss<br/>Carbon Fiber handle, rotating,<br/>with ratchet, HF-connection</p> | <p>300-750-015<br/>RZ-Axialhandgriff, mit Sperre,<br/><b>nicht rotierbar</b><br/>RZ-Axialhandle, with ratchet,<br/><b>non rotating</b></p> | <p>300-750-215<br/>RZ-Axialhandgriff, <b>nicht rotierbar</b><br/>RZ-Axialhandle, <b>non rotating</b></p> |

1/1

260-610-100  
Mikro Maryland Dissektor, mit gebogenem Schaft, drehbar,  
isoliert, Einsatz  
Micro Maryland Dissecting Forceps, curved shaft, rotating,  
insulated, insert

1/1

260-604-100  
Mikro Fasszange, mit gebogenem Schaft, drehbar,  
isoliert, Einsatz  
Micro Grasping Forceps, curved shaft, rotating,  
insulated, insert

1/1

260-608-100  
Mikro Fasszange mit Hechtmaul, mit gebogenem Schaft, drehbar,  
isoliert, Einsatz  
Micro Grasping Forceps with aligator jaws, curved shaft, rotating,  
insulated, insert

1/1

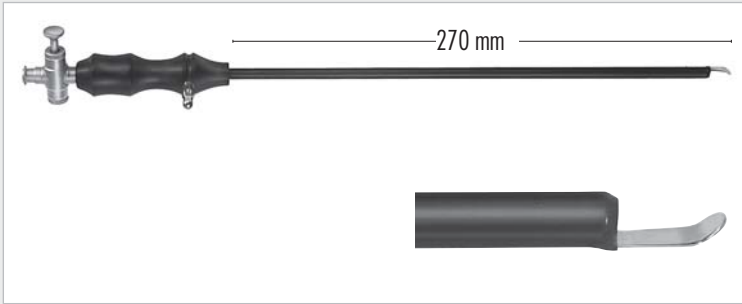
260-600-100  
Mikro Hakenschere mit gebogenem Schaft, drehbar,  
isoliert, Einsatz  
Micro Hook Scissors, curved shaft, rotating, insulated, insert

1/1

260-614-100  
Mikro Metzenbaumschere mit gebogenem Schaft, gebogener Schneide,  
drehbar, isoliert, Einsatz  
Micro Scissors, curved shaft, curved blades, rotating, insulated, insert

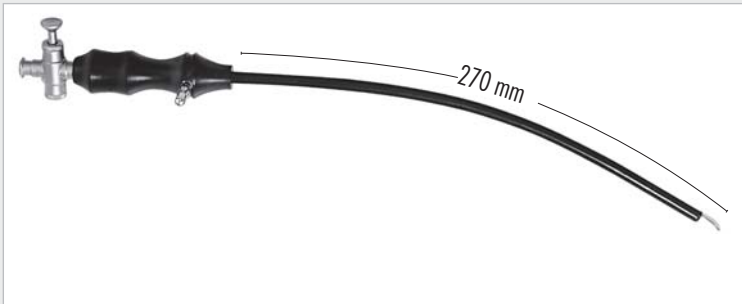
1/1

260-615-100  
Mikro Metzenbaumschere mit gebogenem Schaft, drehbar,  
isoliert, gerade Schneide, Einsatz  
Micro Scissors, curved shaft, rotating, insulated, straight blade, insert



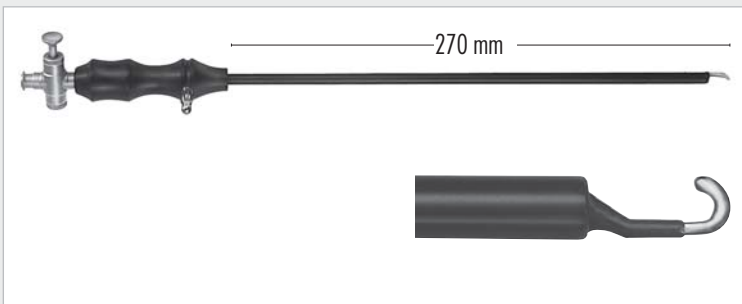
260-712-000

Spatel Elektrode gerade, mit Absaugung und Trompetenventil, 270 mm  
Spatula Electrode straight, with suction and trumpet valve, 10 1/3 inch



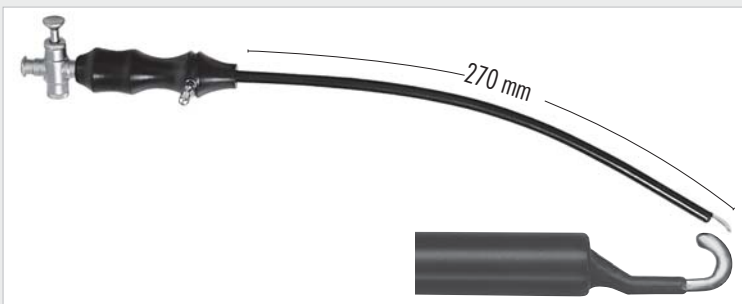
260-702-000

Spatel Elektrode gebogen, mit Absaugung und Trompetenventil, 270 mm  
Spatula Electrode curved, with suction and trumpet valve, 10 1/3 inch



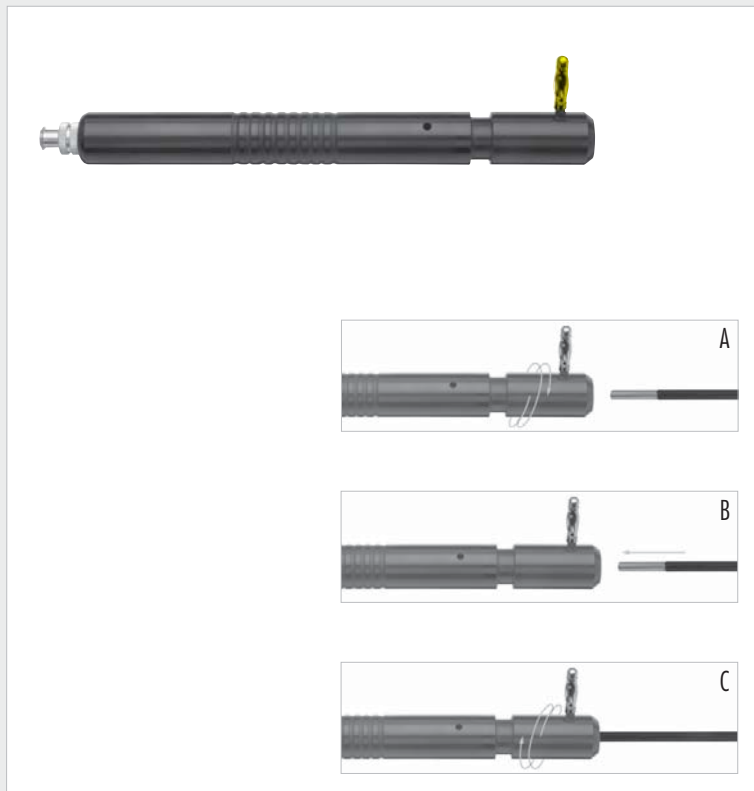
260-710-000

J-Haken Elektrode gerade, mit Absaugung und Trompetenventil, 270 mm  
J-Hook Electrode straight, with suction and trumpet valve, 10 1/3 inch



260-700-000

J-Haken Elektrode gebogen, mit Absaugung und Trompetenventil, 270 mm  
J-Hook Electrode curved, with suction and trumpet valve, 10 1/3 inch



260-700-100

**RZ**

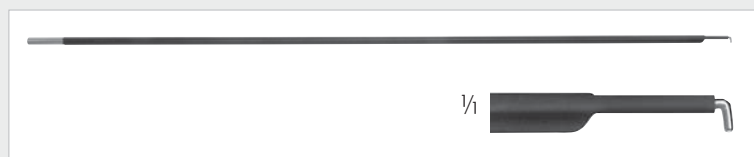
Elektroden, Griff, allein, mit Absaugung, 160 mm  
Electrode handle, only, with suction, 6 1/3 inch

Anleitung zum Zerlegen und Zusammenbau  
von Handgriff und Elektroden-Einsätze

- A Drehen Sie das distale Ende des Handgriffs in Uhrzeiger-Richtung, bis es sich nicht mehr drehen lässt
- B Schieben Sie die Elektrode in den Handgriff ein bis das blanke Teil der Elektrode nicht mehr sichtbar ist
- C Drehen Sie das distale Ende des Handgriff entgegen der Uhrzeiger-Richtung, bis es fest gestellt ist

Instructions to Dissassembly and Assembly  
of RZ Hand piece and Electrode inserts

- A Turn distal end of the handle clockwise direction until you can not turn it any longer
- B Insert the electrode in the handle until the metal part of the electrode is no longer visible
- C Turn distal end of the handle anti clockwise



260-700-103

**RZ**

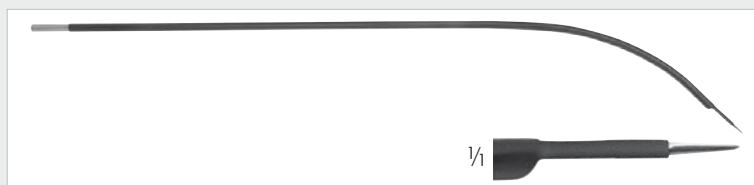
Elektrode, gerader Schaft, abgewinkelte Spitze,  
mit Absaugung, 365 mm  
Electrode, straight shaft, angled tip, with suction, 14 1/2 inch



260-700-105

**RZ**

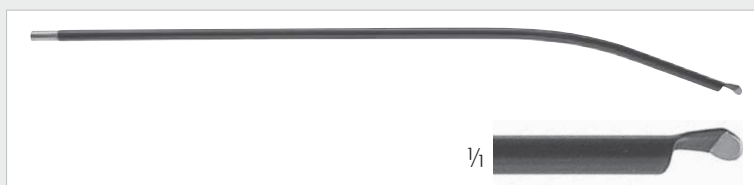
Elektrode, gebogener Schaft, gerade Spitze, mit Absaugung, 365 mm  
Electrode, curved shaft, straight tip, with suction, 14 1/2 inch



260-700-102 links gebogener Schaft/curved left shaft  
260-700-104 rechts gebogener Schaft/curved right shaft

**RZ**

Elektrode, gebogenes Schaftende, gerade Spitze,  
mit Absaugung, 365 mm  
Electrode, curved distal end, straight tip, with suction, 14 1/2 inch



260-700-112 rechts gebogener Schaft/curved right shaft  
260-700-114 links gebogener Schaft/curved left shaft  
Spatel-Elektrode, mit Absaugung, 325 mm  
Spatula Electrode, with suction, 13 inch

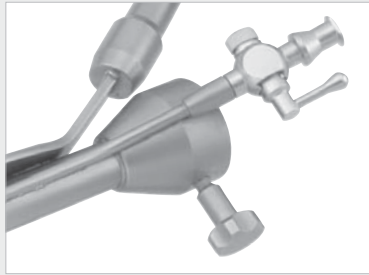
# SCULPO

Instrumente für die Plastische Brust-Endoskopie / Instruments for Plastic Breast Surgery



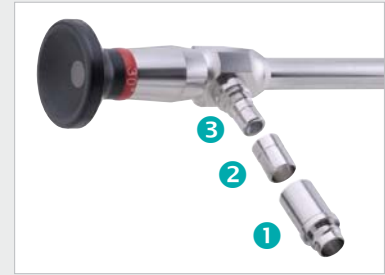
Farbliche Kennzeichnung der Gradzahl:  
Rot = 30°  
Grün = 0°

Colour coding of degree:  
red = 30°  
green = 0°

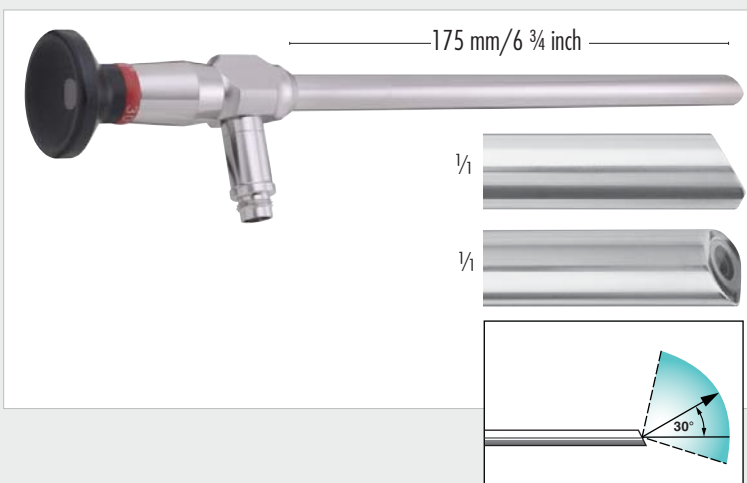


Mit einer universellen Optikverriegelung zur Verwendung mit allen gängigen 10 mm Optiken

With universal telescope locking device for all commonly used telescopes



- 1 RZ/Storz Anschluss / RZ/Storz connection
- 2 R. Wolf Anschluss / R. Wolf connection
- 3 ACMI/Gyrus Anschluss / ACMI/Gyrus connection

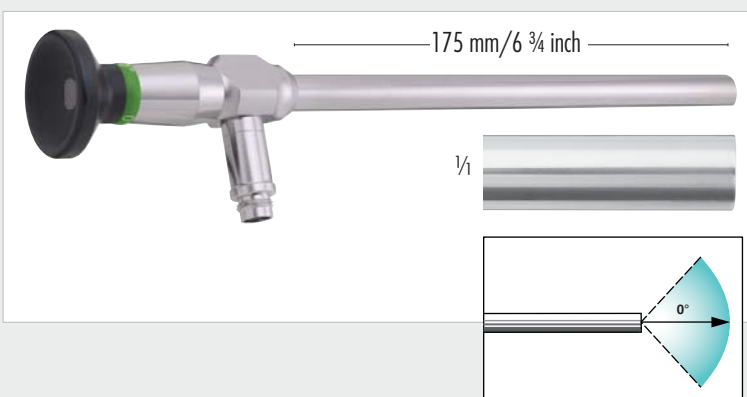


260-110-030

SCULPO Endoskop für die plastische Endoskopie, 10 mm Ø, 30°  
SCULPO Plastic Surgery Telescope, 10 mm Ø, 30°

260-110-033

Dito, mit Optik-Verriegelung für 260-130-016  
Dito, with scope connector for 260-130-016

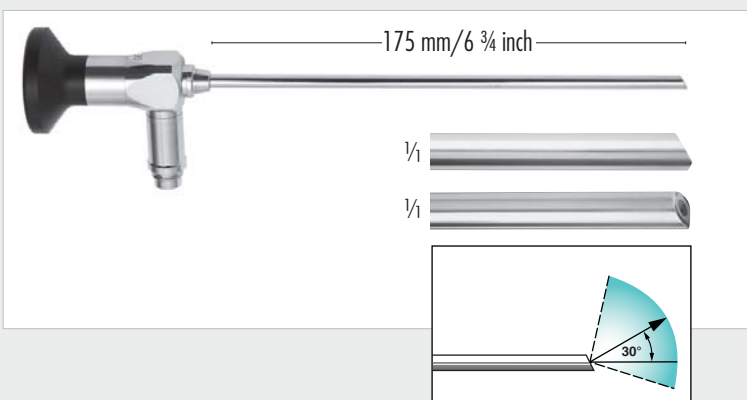


260-110-000

SCULPO Endoskop für die plastische Endoskopie, 10 mm Ø, 0°  
SCULPO Plastic Surgery Telescope, 10 mm Ø, 0°

260-110-003

Dito, mit Optik-Verriegelung für 260-130-016  
Dito, with scope connector for 260-130-016



260-104-030 Ø 4 mm

260-105-030 Ø 5 mm

SHAPER Endoskop für die plastische Endoskopie, 30°, Weitwinkel, autoklavierbar, zur Verwendung mit allen SHAPER Schäften  
SHAPER Telescope for Plastic Endoscopy, 30°, Wide Angle, autoclavable, for use with all SHAPER Sheaths





260-037-000

**BIGGS**

Brust Retraktor, schmales offenes Blatt, 31 mm breit  
Mammary Retractor, narrow fenestrated blade, 31 mm wide

260-039-000

Brust Retraktor, breites offenes Blatt, 50 mm breit  
Mammary Retractor, standard fenestrated blade, 50 mm wide



260-131-000

**BIGGS**

Brust Retraktor, schmales offenes Blatt, 31 mm breit,  
mit **Kaltlicht** und **Spülung**  
Mammary Retractor, narrow fenestrated blade, 31 mm wide  
**Fiber Optic** with universal adapter and **suction tube**

260-141-000

Brust Retraktor, breites offenes Blatt, 50 mm breit,  
mit **Kaltlicht** und **Spülung**  
Mammary Retractor, standard fenestrated blade, 50 mm wide  
**Fiber Optic** with universal adapter and **suction tube**

260-137-000

Brust Retraktor, schmales offenes Blatt, 31 mm breit, mit **Kaltlicht**  
Mammary Retractor, narrow fenestrated blade,  
31 mm wide, with **Fiber Optic**

260-139-000

Brust Retraktor, breites offenes Blatt, 50 mm, mit **Kaltlicht**  
Mammary Retractor, standard fenestrated blade,  
50 mm, with **Fiber Optic**



260-135-000 **für 10 mm Optik/for 10 mm scopes**

260-135-004 **für 4 mm Optik/for 4 mm scopes**

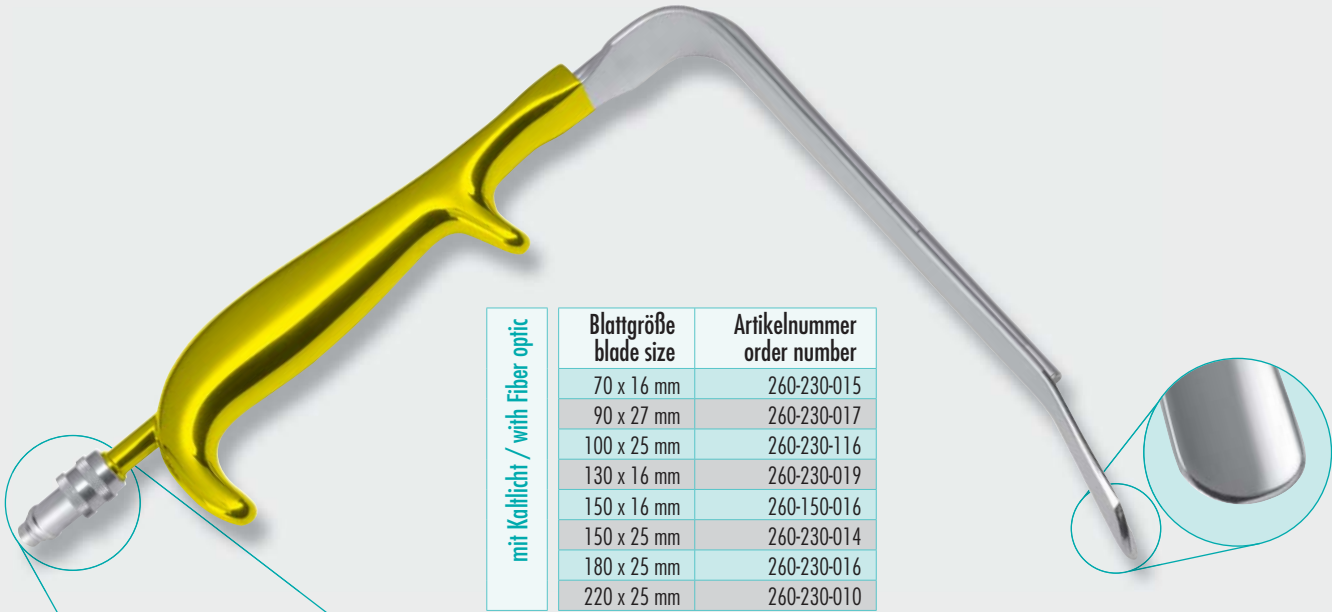
260-135-005 **für 5 mm Optik/for 5 mm scopes**

**BIGGS**

Brust Retraktor, schmales offenes Blatt, 31 mm, mit **Spülung**  
Mammary Retractor, narrow fenestrated blade, 31 mm, with **irrigation**

260-145-000

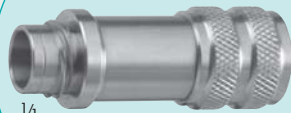
Brust Retraktor, breites offenes Blatt, 50 mm,  
**für 10 mm Optik mit Spülung**  
Mammary Retractor, standard fenestrated blade, 50 mm,  
**for 10 mm scopes with irrigation**



| mit Kaltlicht / with Fiber optic | Blattgröße<br>blade size | Artikelnummer<br>order number |
|----------------------------------|--------------------------|-------------------------------|
|                                  | 70 x 16 mm               | 260-230-015                   |
|                                  | 90 x 27 mm               | 260-230-017                   |
|                                  | 100 x 25 mm              | 260-230-116                   |
|                                  | 130 x 16 mm              | 260-230-019                   |
|                                  | 150 x 16 mm              | 260-150-016                   |
|                                  | 150 x 25 mm              | 260-230-014                   |
|                                  | 180 x 25 mm              | 260-230-016                   |
|                                  | 220 x 25 mm              | 260-230-010                   |

260-990-999

Universal-Adapter für Kaltlicht Retraktoren  
Universal adapter for Fiber optic retractors



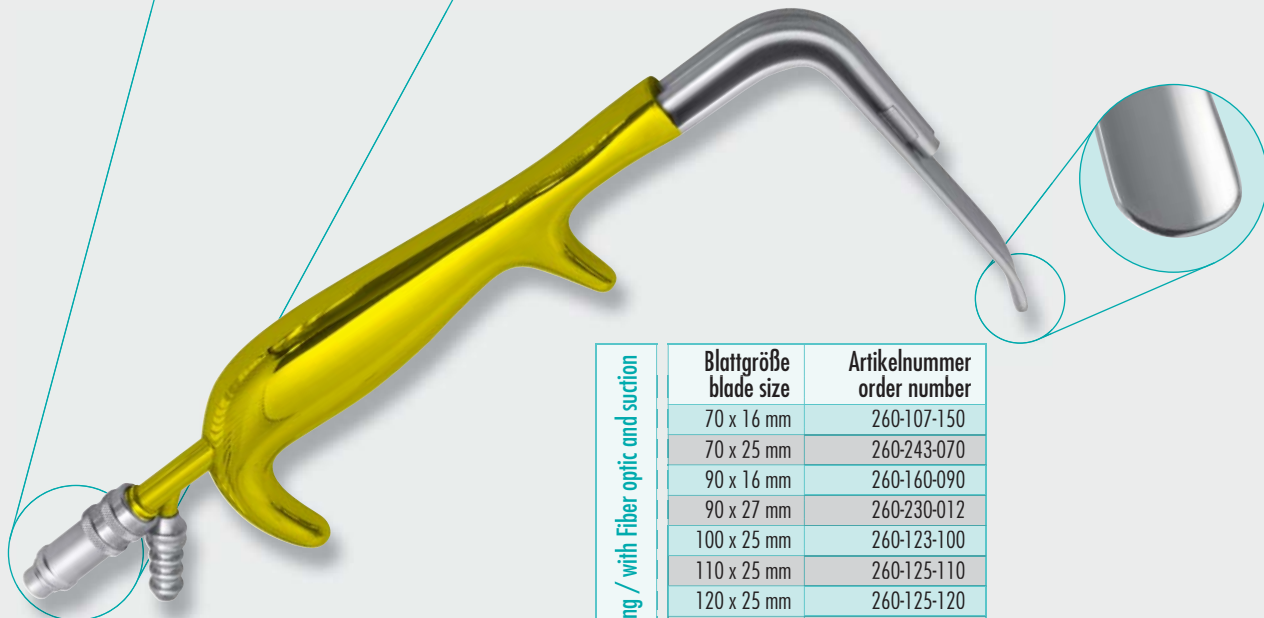
1/4



ACMI/Storz Anschluss  
ACMI/Storz connection

R. Wolf Anschluss  
R. Wolf connection

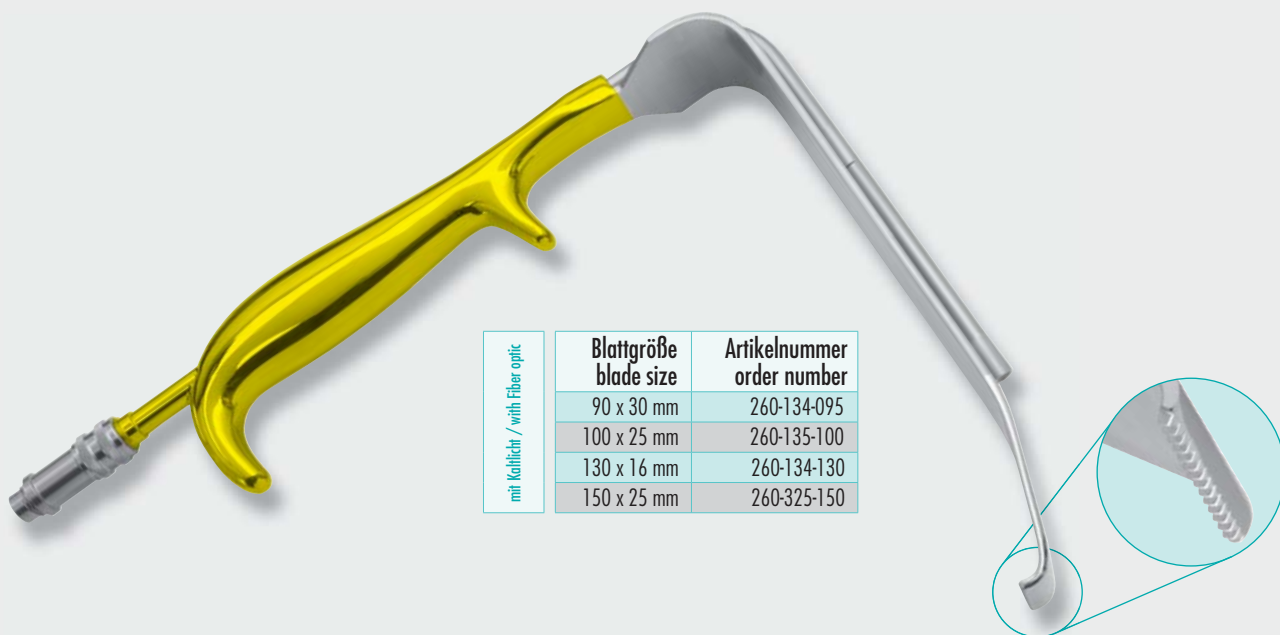
RZ/Gyrus Anschluss  
RZ/Gyrus connection



| mit Kaltlicht und Absaugung / with Fiber optic and suction | Blattgröße<br>blade size | Artikelnummer<br>order number |
|--|--------------------------|-------------------------------|
|  | 70 x 16 mm               | 260-107-150                   |
|  | 70 x 25 mm               | 260-243-070                   |
|  | 90 x 16 mm               | 260-160-090                   |
|  | 90 x 27 mm               | 260-230-012                   |
|  | 100 x 25 mm              | 260-123-100                   |
|  | 110 x 25 mm              | 260-125-110                   |
|  | 120 x 25 mm              | 260-125-120                   |
|  | 150 x 16 mm              | 260-233-150                   |
|  | 150 x 25 mm              | 260-244-150                   |
|  | 150 x 30 mm              | 260-230-150                   |
|  | 150 x 36 mm              | 260-243-150                   |
|  | 180 x 16 mm              | 260-216-182                   |
|  | 180 x 25 mm              | 260-245-180                   |
|  | 180 x 30 mm              | 260-230-013                   |
|  | 190 x 25 mm              | 260-230-011                   |
|  | 190 x 36 mm              | 260-136-019                   |
|  | 220 x 25 mm              | 260-246-220                   |



SCULPO RETRAKTOREN MIT GEZAHNTEM BLATT  
SCULPO RETRACTORS SERRATED BLADE

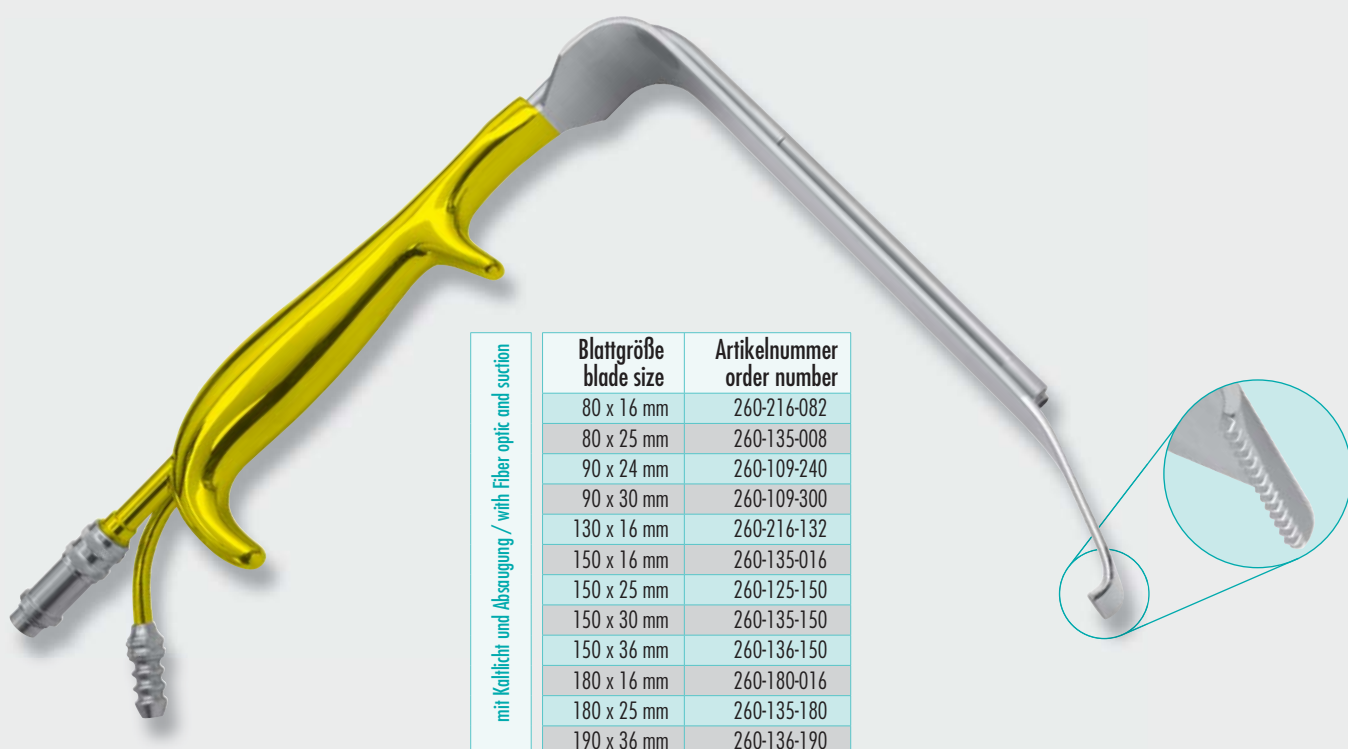


| mit Kaltlicht / with Fiber optic | Blattgröße<br>blade size | Artikelnummer<br>order number |
|----------------------------------|--------------------------|-------------------------------|
|                                  | 90 x 30 mm               | 260-134-095                   |
|                                  | 100 x 25 mm              | 260-135-100                   |
|                                  | 130 x 16 mm              | 260-134-130                   |
|                                  | 150 x 25 mm              | 260-325-150                   |

SCULPO RETRAKTOREN MIT GEZAHNTEM BLATT  
SCULPO RETRACTORS WITH SERRATED BLADE

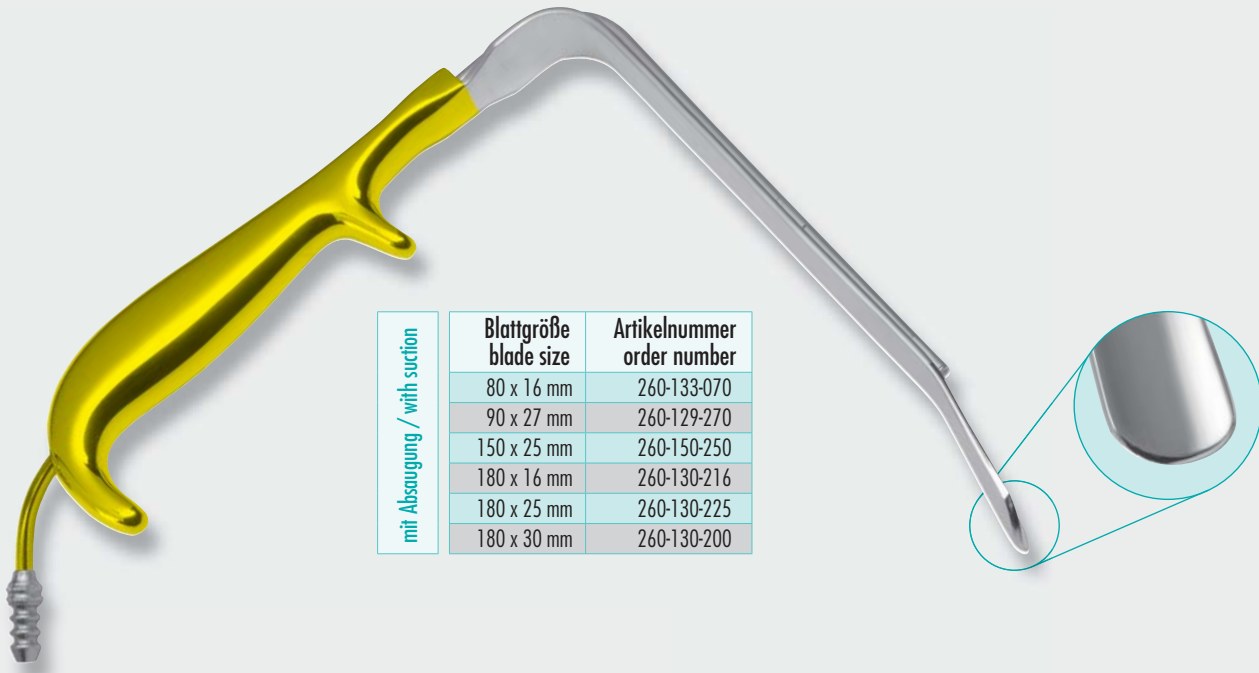
Die SCULPO Retraktoren überzeugen durch Ihre Anwendungsvielfalt und den griffigen Leichtmetall-Handgriff, durch welchen wir unsere Kaltlichtkanäle auch in Kombination mit Absaugrohren legen können. In Zusammenarbeit mit vielen plastischen Chirurgen aus aller Welt setzt die RZ Medizintechnik GmbH neue Maßstäbe in der Mammachirurgie.

The SCULPO Retractors convince by the possibility of using them for a large variety of applications and by their very handy light metal handles, which are also supplied with a combination of fiber optic as well as suction. In collaboration with many plastic surgeons all over the world, RZ Medizintechnik sets new standards in mamma surgery.



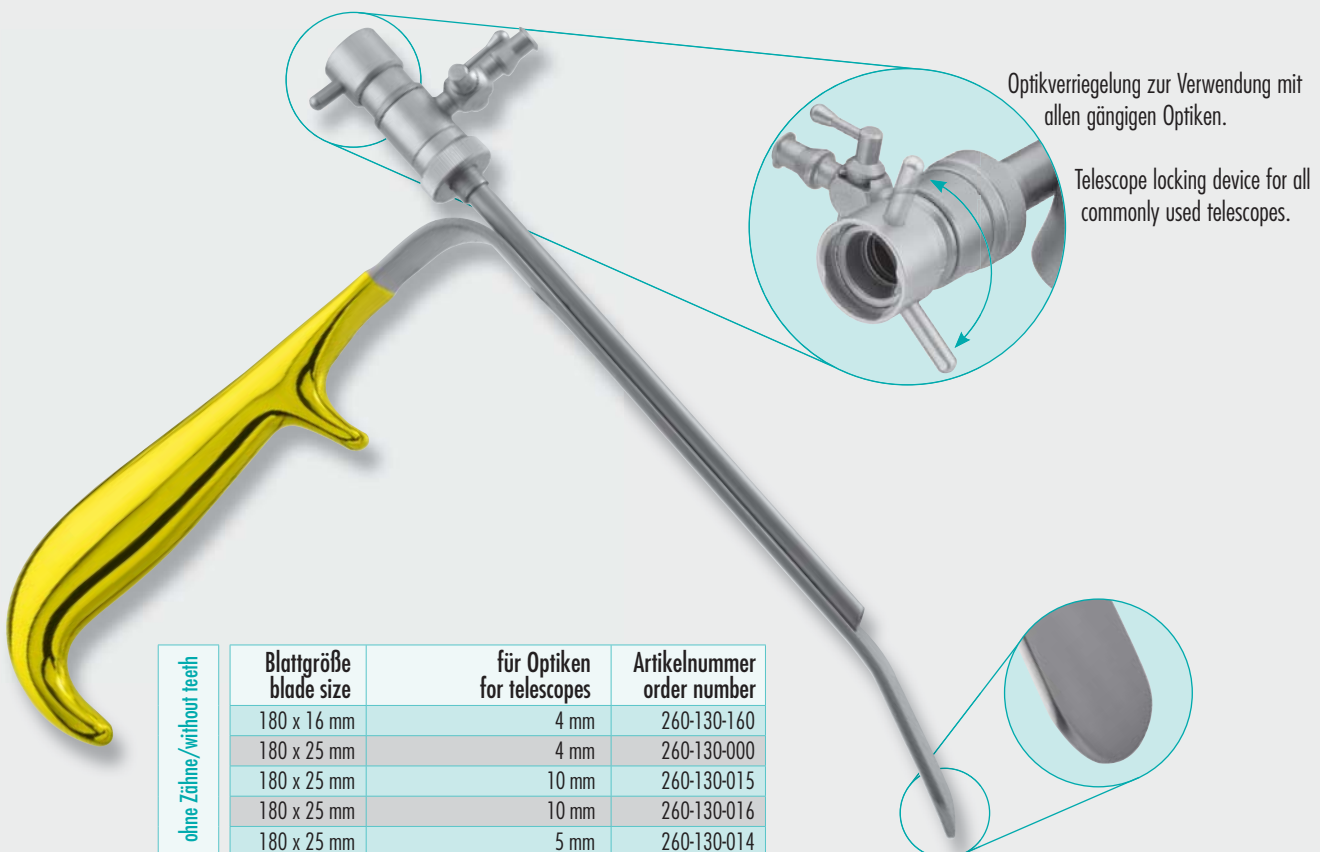
| mit Kaltlicht und Absaugung / with Fiber optic and suction | Blattgröße<br>blade size | Artikelnummer<br>order number |
|--|--------------------------|-------------------------------|
|  | 80 x 16 mm               | 260-216-082                   |
|  | 80 x 25 mm               | 260-135-008                   |
|  | 90 x 24 mm               | 260-109-240                   |
|  | 90 x 30 mm               | 260-109-300                   |
|  | 130 x 16 mm              | 260-216-132                   |
|  | 150 x 16 mm              | 260-135-016                   |
|  | 150 x 25 mm              | 260-125-150                   |
|  | 150 x 30 mm              | 260-135-150                   |
|  | 150 x 36 mm              | 260-136-150                   |
|  | 180 x 16 mm              | 260-180-016                   |
|  | 180 x 25 mm              | 260-135-180                   |
|  | 190 x 36 mm              | 260-136-190                   |

SCULPO RETRAKTOREN MIT GLATTEM BLATT  
SCULPO RETRACTORS WITH SMOOTH BLADE



| mit Absaugung / with suction | Blattgröße<br>blade size | Artikelnummer<br>order number |
|------------------------------|--------------------------|-------------------------------|
|                              | 80 x 16 mm               | 260-133-070                   |
|                              | 90 x 27 mm               | 260-129-270                   |
|                              | 150 x 25 mm              | 260-150-250                   |
|                              | 180 x 16 mm              | 260-130-216                   |
|                              | 180 x 25 mm              | 260-130-225                   |
|                              | 180 x 30 mm              | 260-130-200                   |

SCULPO OPTIK RETRAKTOREN  
SCULPO OPTIC RETRACTORS



Optikverriegelung zur Verwendung mit allen gängigen Optiken.

Telescope locking device for all commonly used telescopes.

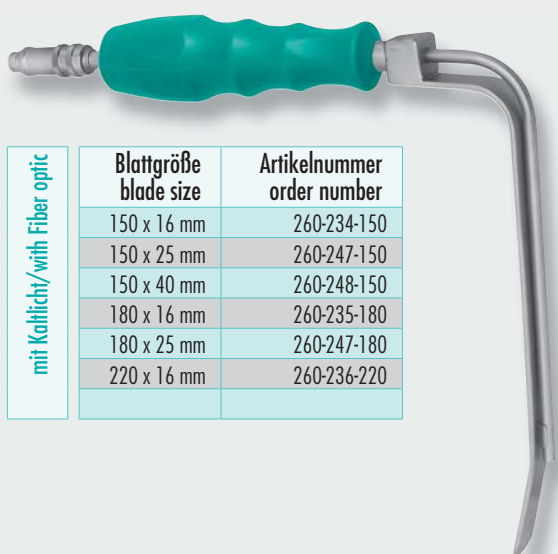
| ohne Zähne / without teeth | Blattgröße<br>blade size | für Optiken<br>for telescopes | Artikelnummer<br>order number |
|----------------------------|--------------------------|-------------------------------|-------------------------------|
|                            | 180 x 16 mm              | 4 mm                          | 260-130-160                   |
|                            | 180 x 25 mm              | 4 mm                          | 260-130-000                   |
|                            | 180 x 25 mm              | 10 mm                         | 260-130-015                   |
|                            | 180 x 25 mm              | 10 mm                         | 260-130-016                   |
|                            | 180 x 25 mm              | 5 mm                          | 260-130-014                   |



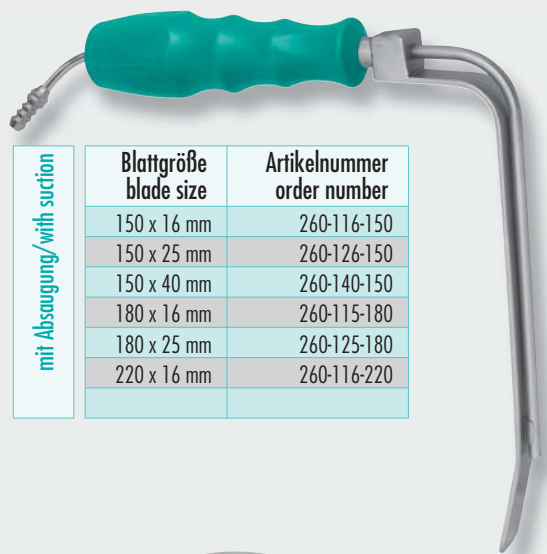
## SCULPO RETRAKTOREN MIT SILIKONHANDGRIFF SCULPO RETRACTORS WITH SILICONE HANDLE

Der einzigartige Handgriff aus sterilisierbarem Silikon (Latexfrei) ermöglicht ein absolut ermüdungsfreies Arbeiten. Die anatomische Handform garantiert einen guten Halt und vermeidet ein Abrutschen selbst unter schwersten Bedingungen. Der Ø 5 mm Kaltlichtkanal mit Universaladapter bietet eine hohe Lichtleit-Qualität und leuchtet das Operationsfeld optimal aus. Der Kaltlichtkanal wird durch den Handgriff geführt, wodurch ein freies OP-Feld entsteht und keine Kabel die Sicht beeinträchtigen.

The uniquely designed handle made of sterilizable silicone (latexfree) facilitates working without signs of fatigue. The anatomical handle design ensures a secure grip and avoids slippage under hard working conditions. The Ø 5 mm fiber optic channel with an universal adapter fitting to the most commonly used fiber optic cables, gives an extremely high light transmission with good illumination in the entire operating field. The fiber optic channel is built to go inside the handle to increase the view during surgery to avoid that the fiber optic cable affects the operation.



| mit Kaltlicht/<br>with Fiber optic | Blattgröße<br>blade size | Artikelnummer<br>order number |
|------------------------------------|--------------------------|-------------------------------|
|                                    | 150 x 16 mm              | 260-234-150                   |
|                                    | 150 x 25 mm              | 260-247-150                   |
|                                    | 150 x 40 mm              | 260-248-150                   |
|                                    | 180 x 16 mm              | 260-235-180                   |
|                                    | 180 x 25 mm              | 260-247-180                   |
|                                    | 220 x 16 mm              | 260-236-220                   |

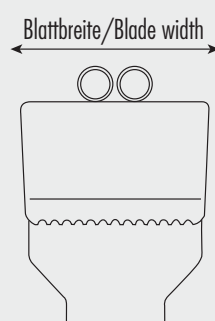
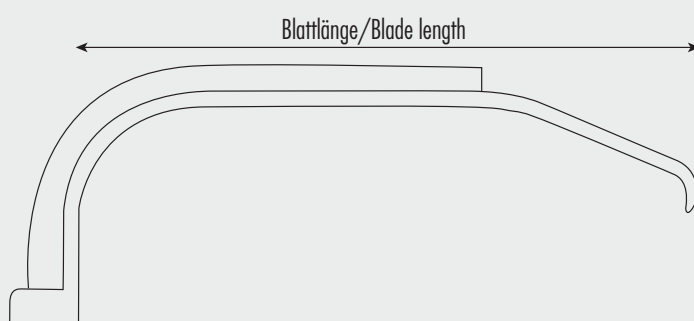


| mit Absaugung/<br>with suction | Blattgröße<br>blade size | Artikelnummer<br>order number |
|--------------------------------|--------------------------|-------------------------------|
|                                | 150 x 16 mm              | 260-116-150                   |
|                                | 150 x 25 mm              | 260-126-150                   |
|                                | 150 x 40 mm              | 260-140-150                   |
|                                | 180 x 16 mm              | 260-115-180                   |
|                                | 180 x 25 mm              | 260-125-180                   |
|                                | 220 x 16 mm              | 260-116-220                   |



| Blattgröße<br>blade size | Artikelnummer<br>order number |                                  |
|--------------------------|-------------------------------|----------------------------------|
| 300 x 35 mm              | 260-293-300                   | mit Kaltlicht / with Fiber optic |
| 300 x 35 mm              | 260-135-300                   | mit Absaugung / with suction     |

## DEFINITION DER BLATTLÄNGE UND BLATTBREITE DEFINITION OF BLADE LENGTH AND BLADE WIDTH





- 250-035-180    Ø 3,5 mm, 1800 mm
- 250-035-230    Ø 3,5 mm, 2300 mm
- 250-035-300    Ø 3,5 mm, 3000 mm
- 250-048-180    Ø 4,8 mm, 1800 mm
- 250-048-230    Ø 4,8 mm, 2300 mm
- 250-048-300    Ø 4,8 mm, 3000 mm

**RZ**

Lichtleitkabel, ohne Adapter  
Fibre optic light guide, without adaptor pieces



- 250-053-180    Ø 3,5 mm, 1800 mm
- 250-053-230    Ø 3,5 mm, 2300 mm
- 250-051-180    Ø 4,8 mm, 1800 mm

**RZ**

Kaltlichtleitkabel, mit 2 Lichteingängen und 1 Lichtausgang,  
ohne Adapter  
Cold light cable, with 2 light inputs and 1 light output, without  
adaptor pieces



- 250-054-180    Ø 3,5 mm, 1800 mm
- 250-054-230    Ø 3,5 mm, 2300 mm
- 250-055-230    Ø 4,8 mm, 2300 mm

**RZ**

Kaltlichtleitkabel, mit 1 Lichteingang und 2 Lichtausgängen,  
ohne Adapter  
Cold light cable, with 1 light input and 2 light outputs,  
without adaptor pieces





## ADAPTER FÜR LICHTLEITKABEL/ADAPTOR PIECES FOR FIBRE LIGHT GUIDE

Adapter für Lichtleitkabel zum Anschluß an die Optik  
Adaptor pieces for fibre light guide to use with telescope

Adapter für Lichtleitkabel zum Anschluß an die Lichtquelle  
Adaptor pieces for fibre light guide to use with lightsource



RZ/Storz/Olympus



250-042-000

RZ/Storz



250-039-000

Wolf



250-037-000

Wolf



250-040-000

ACMI/British Standard/CUDA



250-038-000

Olympus



250-044-000

ACMI/British Standard



250-041-000

Luxtec



250-048-000

Olympus - Standard



250-045-000

Stryker



250-051-000

Heine



250-052-000

Pentax



250-059-000

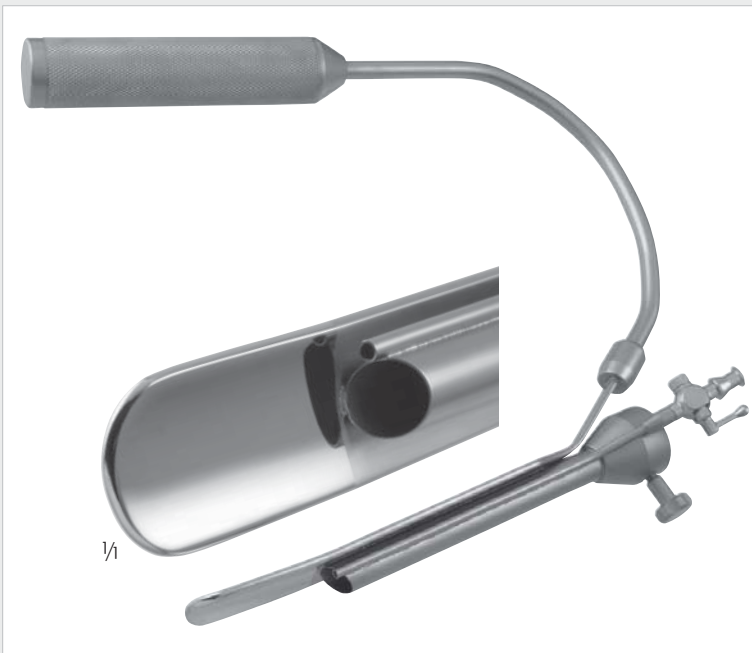




260-039-130

**RZ**

Brust Retraktor, geschlossenes Blatt,  
Blattgröße 50 x 125 mm, 220 x 210 mm  
Mammary Retractor, with solid blade,  
blade size 2 x 5 inch, 8  $\frac{2}{3}$  x 8  $\frac{1}{4}$  inch



260-145-250

**RZ**

Brust Retraktor, geschlossenes Blatt, Blattgröße: 25 x 120 mm,  
für 10 mm Optik, mit universeller Optikverriegelung, 220 x 220 mm  
Mammary Retractor, with solid blade, blade size: 1 x 4  $\frac{3}{4}$  inch, for 10  
mm telescope, with universal telescope locking device, 8  $\frac{2}{3}$  x 8  $\frac{2}{3}$  inch



260-137-010

Brust Retraktor, geschlossenes Blatt, Blattgröße: 25 x 180 mm,  
für 10 mm Optik, 245 x 185 mm  
Mammary Retractor, with solid blade, blade width: 1 x 7 inch,  
for 10 mm telescope, 9  $\frac{2}{3}$  x 7  $\frac{1}{4}$  inch



260-137-005

**RZ**

Brust Retraktor, geschlossenes Blatt, Blattgröße: 9,5 x 180 mm,  
für 5 mm Optik, 245 x 185 mm

Mammary Retractor, with solid blade, blade size:  $\frac{3}{8}$  x 7 inch,  
for 5 mm telescope,  $9 \frac{2}{3}$  x  $7 \frac{1}{4}$  inch

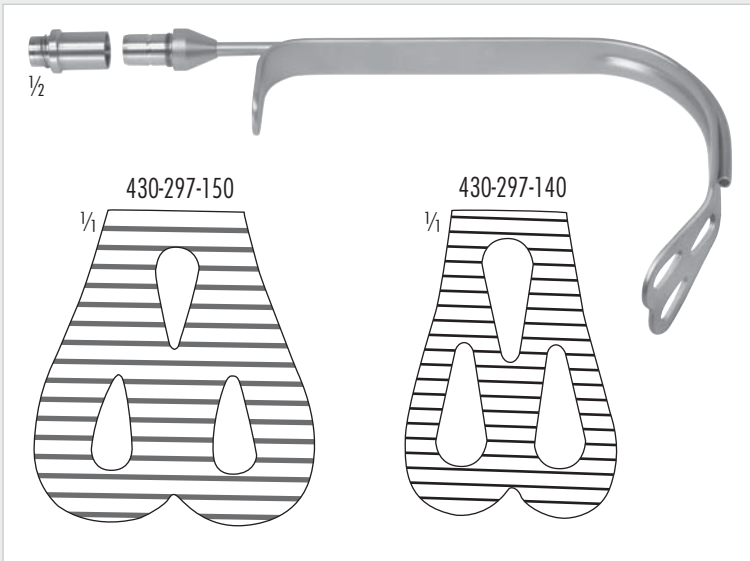


260-145-050

**RZ**

Brust Retraktor, geschlossenes Blatt, Blattgröße: 20 x 125 mm,  
für 10 mm Optik, mit Optikverriegelung 220 x 205 mm

Mammary Retractor, with solid blade, blade size:  $\frac{3}{4}$  x 5 inch,  
for 10 mm telescope, with telescope locking device,  $8 \frac{2}{3}$  x 8 inch



430-297-140 30 mm breites Blatt / 1 1/8 inch wide blade  
 430-297-150 40 mm breites Blatt / 1 1/2 inch wide blade

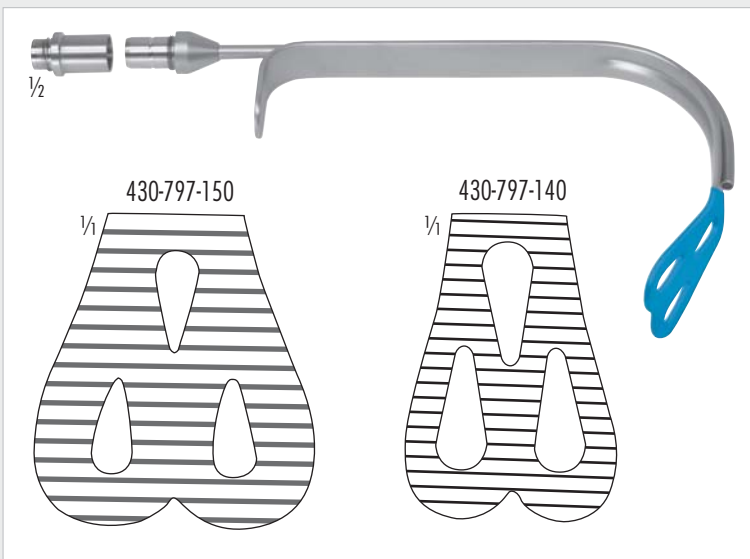
**SCULPO**

Brust- und Gesichtsretractor, gefensterter Blatt, feine Zahnung, 150 mm  
 Breast and Facial Retractor, fenestrated blade, fine serration, 6 inch

430-497-141 30 mm breites Blatt/wide blade  
 430-497-151 40 mm breites Blatt/wide blade

**SCULPO**

Dito, mit **Kaltlicht**, 150 mm  
 Same, with **Fiber Optic**, 6 inch



430-797-140 30 mm breites Blatt / 1 1/8 inch wide blade  
 430-797-150 40 mm breites Blatt / 1 1/2 inch wide blade

**SCULPO**

Brust- und Gesichtsretractor, gefensterter Blatt, **isoliertes** Blattende, feine Zahnung, 150 mm  
 Breast and Facial Retractor, fenestrated blade, **insulated** working end, fine serration, 6 inch

430-797-141 30 mm breites Blatt / 1 1/8 inch wide blade  
 430-797-151 40 mm breites Blatt / 1 1/2 inch wide blade

**SCULPO**

Dito, mit **Kaltlicht**, 150 mm  
 Same, with **Fiber Optic**, 6 inch



430-297-151 40 mm breites Blatt / 1 1/2 inch blade  
 430-297-141 30 mm breites Blatt / 1 1/8 inch blade

**SCULPO**

Brust- und Gesichtsretractor mit Absaugung, mit feiner Zahnung für einen besseren Halt, 150 mm  
 Breast and Facial Retractor with suction, fine serrations for a better grip, 6 inch



430-797-155

**WIEDER**

Brust- und Gesichtsretractor, mit Zahnung für einen besseren Halt, **isoliertes** Blatt, 140 mm  
Breast and Facial Retractor, with teeth for a better grip, **insulated** blade, 5 1/2 inch



260-030-110

**FERREIRA**

Gesichtsretractor, 110 x 20 mm, 155 mm  
Facelift Retractor, 4 1/3 x 1 inch, 6 inch



260-130-110

**FERREIRA**

Gesichtsretractor, mit **Kaltlicht**, 110 x 22 mm, 100 mm  
Facelift Retractor, with **Fiber Optic**, 4 1/3 x 1 inch, 4 inch

260-230-110

**FERREIRA**

Gesichtsretractor, 110 x 22 mm, 100 mm  
Facelift Retractor, 4 1/3 x 1 inch, 4 inch



170-581-230

**DEAVER**

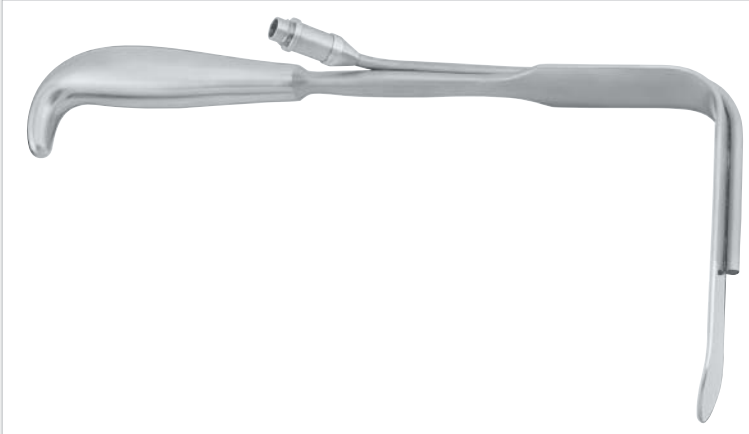
Kaltlicht Wundhaken, mit **Kaltlicht**, 25 mm x 230 mm  
Fiber Optic Retractor, with **Fiber Optic**, 1 x 9 inch



170-581-300

**DEAVER**

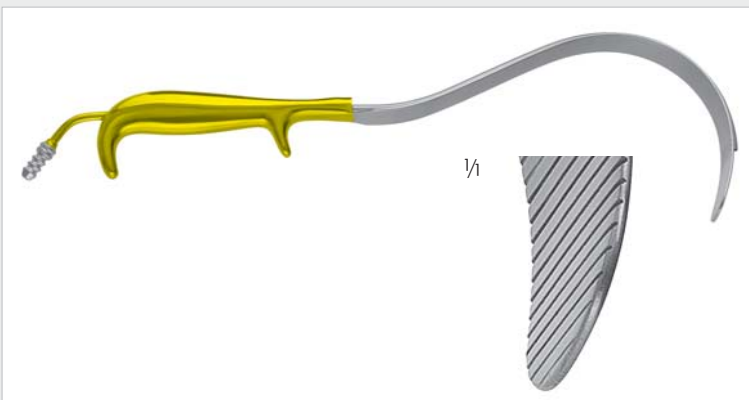
Kaltlicht Wundhaken, mit **Kaltlicht**, 25 mm x 300 mm  
Fiber Optic Retractor, with **Fiber Optic**, 1 x 12 inch



170-457-102

**HEANEY-SIMON**

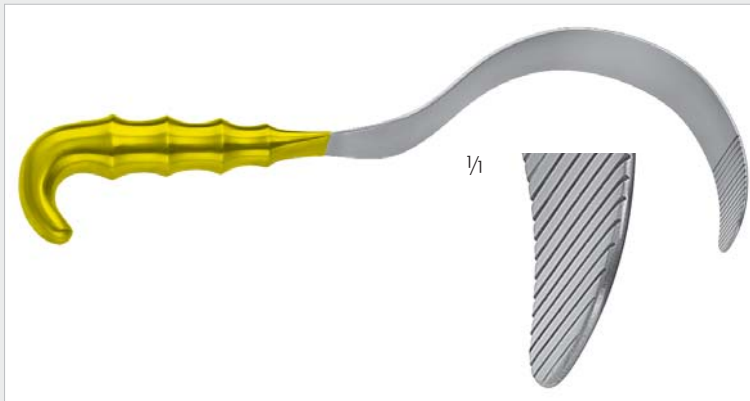
Bauchdeckenhalter, mit **Kaltlicht**, 115 x 27 mm, 280 mm  
Abdom. Retractor, with **Fiber Optic**, 115 x 27 mm, 11 inch



170-591-300 25mm x 300mm

**DEAVER**

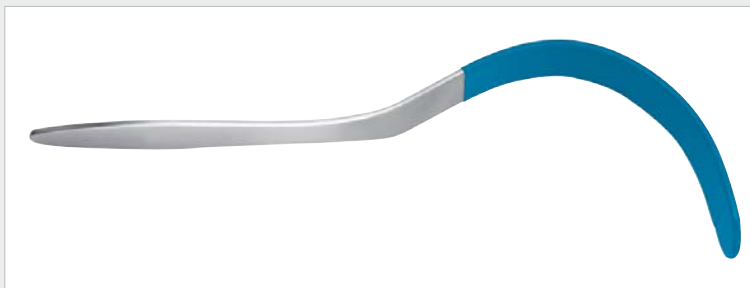
Grip Wundhaken mit gerieftem Arbeitsende,  
mit Absaugung, mit Tebbett Handgriff  
Grip Retractor with serrated working end, with suction,  
with Tebbett handle



170-483-025 25mm x 300mm  
 170-483-025 38mm x 310mm

**DEAVER**

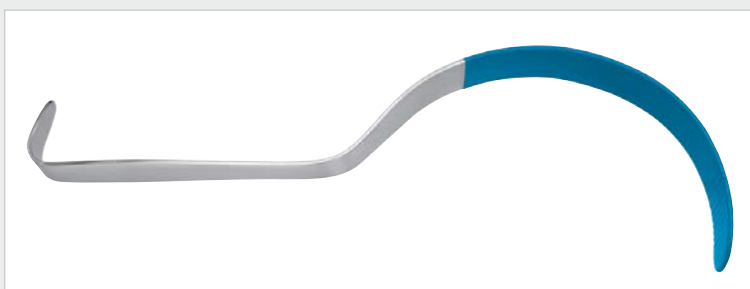
Grip Wundhaken mit ergonomischen Griff und gerieftem Blatt  
 Grip Retractor with ergonomic handle and serrated blade



171-891-215

**DEAVER**

Wundhaken, gerieftes, **isoliertes** Arbeitsende, 22 x 215 mm  
 Retractor, serrated, **insulated** working end, 1 x 8 1/2 inch



171-891-300

**DEAVER**

Wundhaken, gerieftes, **isoliertes** Arbeitsende, 25 x 300 mm  
 Retractor, serrated, **insulated** working end, 1 x 12 inch



171-593-300

**DEAVER**

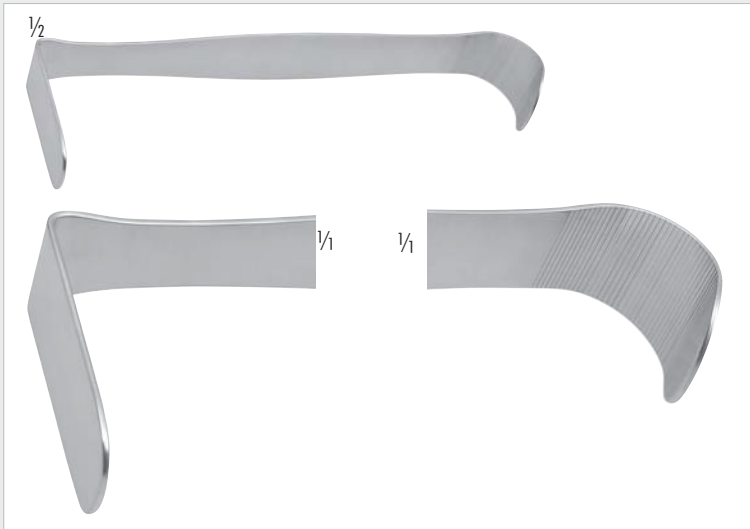
Wundhaken, gerieftes Arbeitsende, 38 x 300 mm  
 Retractor, serrated working end, 1 1/2 x 12 inch



170-285-165

**HAJEK**

Wundhaken, 165 mm  
 Wound Retractor, 6 1/2 inch



170-459-001 73 x 28 mm  
 170-459-002 45 x 25 mm  
 170-459-003 82 x 28 mm

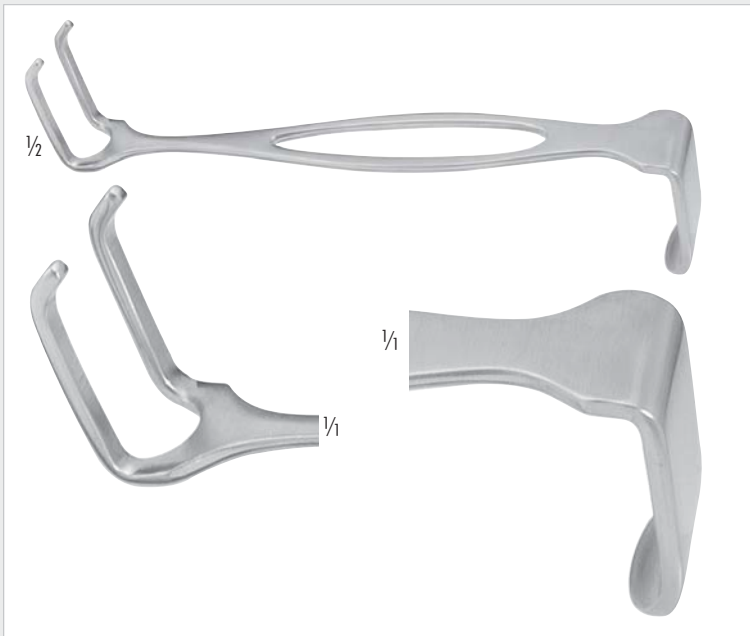
**HEANEY**

Wundhaken, gerieftes Arbeitsende, 270 mm  
 Retractor, serrated working end, 10 1/2 inch

260-459-001 73 x 28 mm  
 260-459-002 45 x 25 mm  
 260-459-003 82 x 28 mm

**HEANEY**

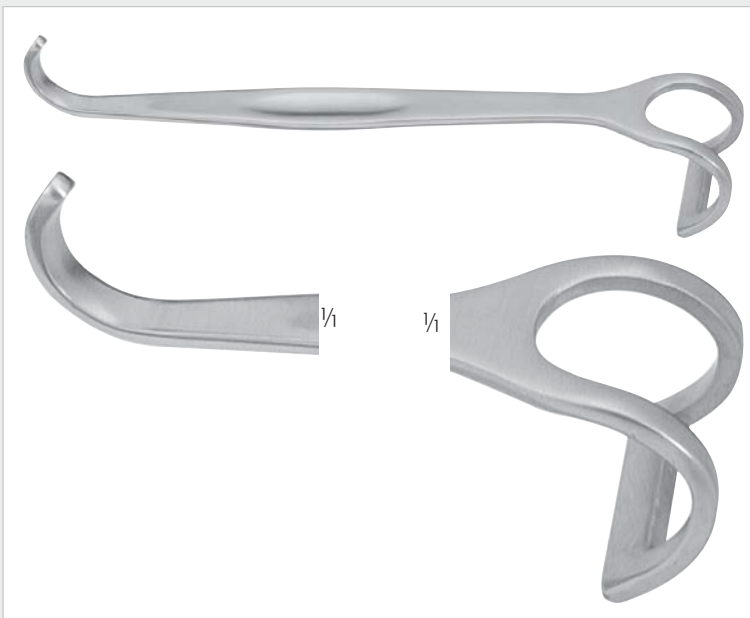
Dito, mit **Kaltlicht**  
 Same, with **Fiber Optic**



170-653-000

**CZERNY**

Wundhaken, 36 mm Blatt, 2 Zähne, 38 x 42 mm, 180 mm  
 Retractor, 36 mm blade and 38 x 42 mm prongs, 7 inch



170-654-030

**CANNY-RYALL**

Retraktor (Navy Modell), einfacher Blatthaken,  
 gefensterter Blatt 30 mm, 200 mm  
 Retractor (Navy pattern), single hook blade,  
 fenestrated blade 30 mm, 7 3/4 inch

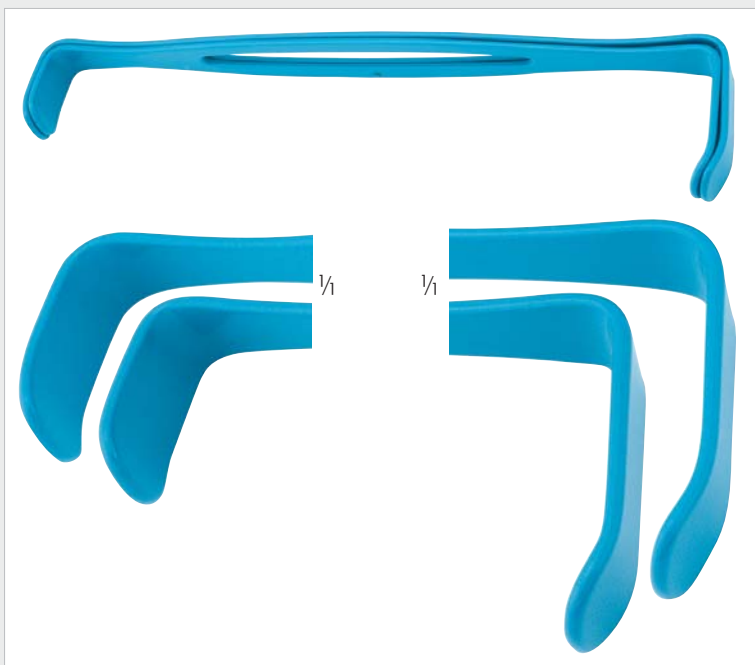




170-654-007

**MORRIS**

Wundhaken, doppelendig, 45 x 50 mm/50 x 50 mm, 230 mm  
 Retractor, double-ended, 45 x 50 mm/50 x 50 mm, 9 inch



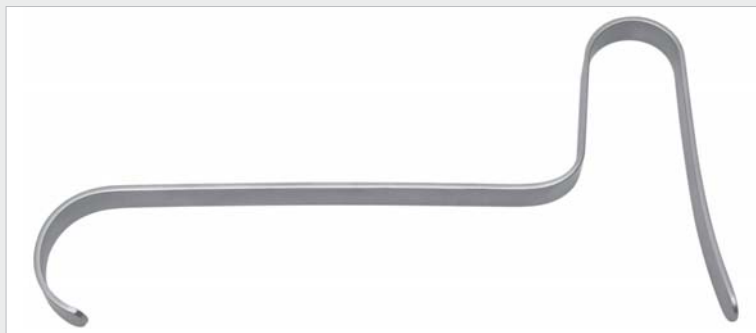
170-687-211

**PARKER-LANGENBECK**

Wundhaken, US Modell Satz, Fig. 1 und Fig. 2, **isoliert**, 220 mm  
 Retractor, US Army, double pair, **insulated**, 8 2/3 inch



## HAUTLAPPEN-INSTRUMENTE/FLAP INSTRUMENTS



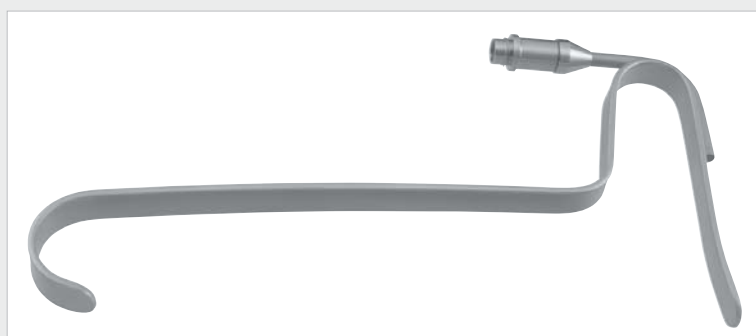
260-012-205 12 mm breit/½ inch wide

260-025-205 25 mm breit/1 inch wide

### **FREEMAN**

Hautlappen Haken, 205 mm

Flap Retractor, 8 inch

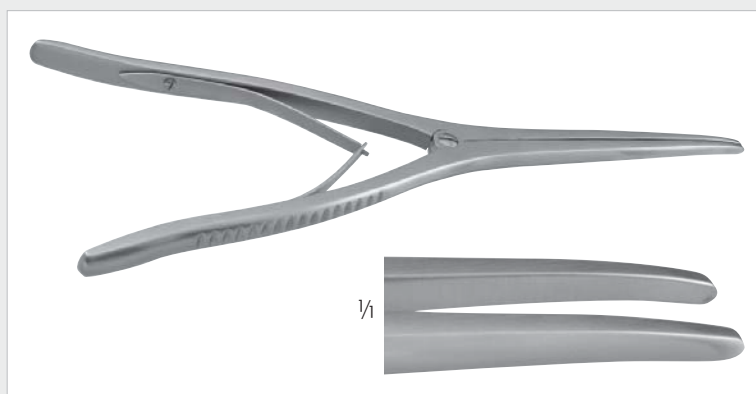


260-512-205

### **FREEMAN**

Hautlappen Wundhaken, mit **Kaltlicht**, 12 mm breit, 205 mm

Flap Retractor, with **Fiber Optic**, ½ inch wide, 8 inch

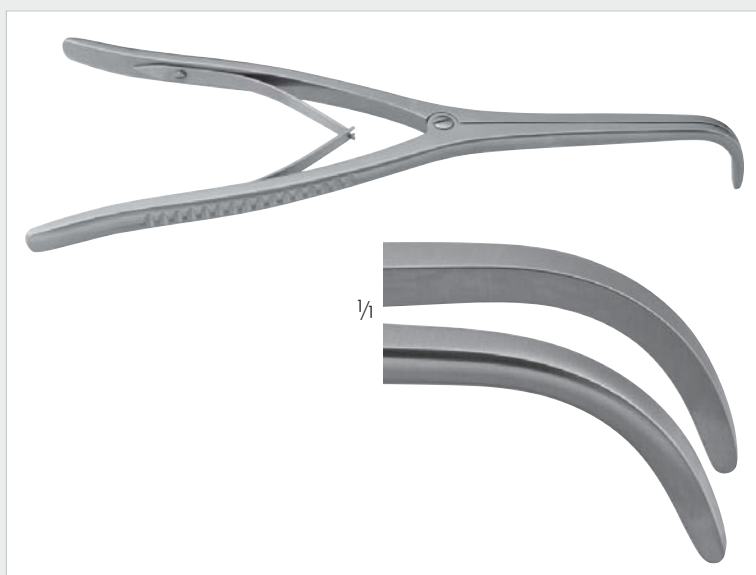


260-001-250

### **LAROE**

Unterminier Zange, gebogen, 245 mm

Undermining Forceps, curved, 9 ¾ inch



260-002-300

### **LAROE**

Unterminier Zange, stark gebogen, 300 mm

Undermining Forceps, full curved, 12 ½ inch

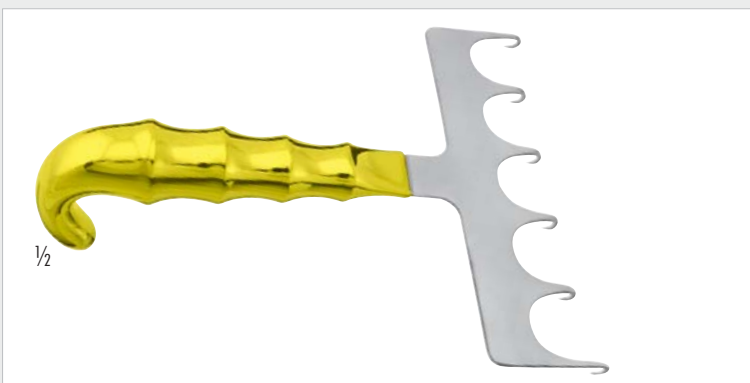


260-012-201

**FREEMAN**

Stirn Retraktor, 6 Zähne, 180 mm

Coronal Brow Lift Retractor, 6 prongs, 7 inch



260-013-201

**YANCOSKIE**

Retraktor für abdominale Plastik, 6 Zähne, 150 mm

Abdominoplasty Retractor, 6 prongs, 6 inch

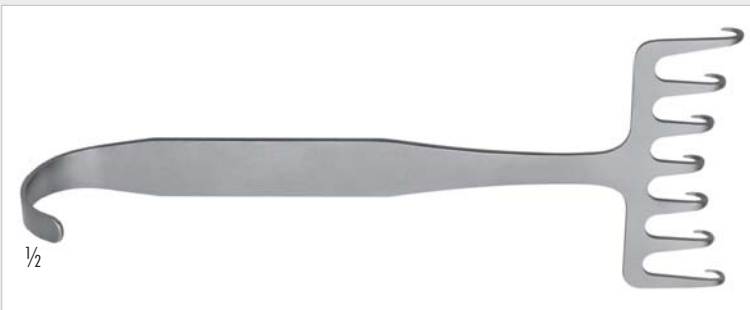


260-012-202

**CORONAL**

Stirn Wundhaken, spitz, 6 Zähne, 150 mm breit, 230 mm

Coronal Brow Lift Retractor, sharp, 6 prongs, 6 inch wide, 9 inch



260-012-199

**CORONAL**

Stirn Wundhaken, 7 Zähne, 180 mm

Coronal Brow Lift Retractor, 7 prongs, 7 inch



Brust Spatel

- Bei Dissektionen von Taschen nach der Einführung des Implantates mit Hilfe anderer Retraktoren
- Hilfreich bei der Kapselentfernung, indem er eine extrakapsuläre Dissektion ermöglicht
- Schützt das Implantat beim Schließen submuskulärer Öffnungen

Breast Spatula

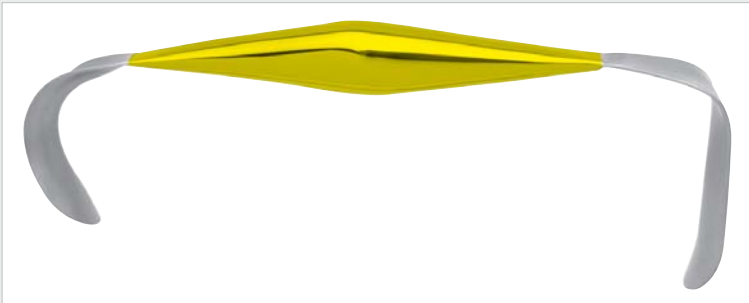
- Use with other retractors for incremental tailoring dissection of pocket, even after implant has been introduced
- Helpful in capsulectomy permitting extra capsular dissection by means of counter-traction in the implant capsule
- Protects implant when sutures are placed during submuscular closures



260-400-315 25 mm/1 inch  
260-438-315 33 mm/1 1/8 inch

**SCULPO**

Brust Spatel, halb-biegsam, gerieftes Blatt, 150 mm langes Blatt, 315 mm Komplettlänge  
Breast Spatula, semi-malleable, serrated working end, 6 inch blade, 12 1/2 inch total length



260-400-310 230 mm/9 inch  
260-401-310 310 mm/12 1/4 inch

**SCULPO**

Doppelendiger Brustretractor, 37 x 70 mm/22 x 54 mm  
Double ended Breast Retractor, 37 x 70 mm/22 x 54 mm



260-009-000

**SCULPO**

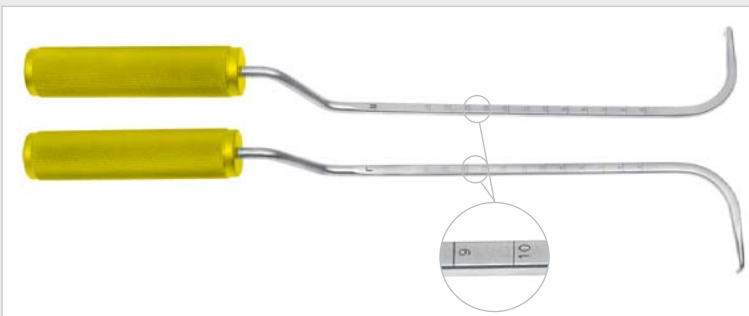
Brust Dissektor, stumpf, gebogen, 340 mm Komplettlänge  
Breast Dissector, blunt, curved, 13 1/3 inch



260-012-230

**BYRD**

Brust Dissektor, gerade, 12 mm breit, 230 mm  
Breast Dissector, straight, 0.5 inch wide, 9 inch



260-088-370

**AGRIS-DINGMAN**

Transaxillary Dissektoren Set zum Formen von Brusttaschen, skaliert, 360 mm  
Transaxillary Dissector Set for creation of submammary pockets, with scale, 14 inch



260-001-013

**SCULPO**

Brust Elevator, 15 mm breites scharfes Arbeitsende, medium gebogen, **isolierter Schaft**, 320 mm Arbeitslänge  
Breast Elevator, 15 mm wide sharp edge, medium curved, **insulated shaft**, 12 1/2 inch working length

## SCULPO

### Spatelförmiger Brust Retraktor

Nicht isoliert und isoliert für die Verwendung mit HF-Strom

Anwendung:

- Universell einsetzbares Design zum Vergrößern von kleinen Inzisionen
- Zur Dissektion von Taschen bei Brustvergrößerungen sowie zum Anheben des Brustmuskels bei Brustrekonstruktionen
- Zum sicheren Platzieren von Brustimplantaten, welche entweder durch die Achseln oder unter der Brust eingeführt werden

Vorteile:

- Besondere Spatelform verbessert die Effizienz und die Sicherheit während der Dissektion und des Einbringens des Implantates

### Spatulated Breast Retractors

Non-insulated and insulated for use with HF-electricity

Application:

- Versatile design to augment small incisions
- Dissection of pockets at breast augmentations as well as pectoralis elevation during breast reconstruction
- Effective positioning of breast implants which were introduced either by the axillary or the submammary approach

Advantages:

- Unique dissecting shape configuration improving the efficiency and security during dissection and implant introduction



260-737-040

#### REYNOLDS

Transaxillary Brust Dissektor, gefensteretes Blatt, 400 mm  
Transaxillary Breast Dissector, fenestrated blade, 15 ¾ inch



260-140-000 320 mm/13 inch

260-140-420 420 mm/16 ½ inch

#### REYNOLDS

Brust-Spatel-Dissektor, ovales Blatt  
Breast Dissector, oval spatulated blade



260-016-410

#### MACCOLLUM-DINGMAN

Brust Dissektor mit abgewinkeltm Schaft eignet sich bei Achselein-  
griffen zur Brustvergrößerung. Ebenso kann er bei einem subglandu-  
laren oder subpektoralen Eingriff verwendet werden, 410 mm  
Breast Dissector with angled shaft is designed to facilitate tissue  
dissection when utilizing transaxillary approach for breast augmentation.  
Can also be used as a subglandular or subpectoral dissector, 16 inch



260-011-000 330 mm/13 inch

260-011-420 420 mm/16 ½ inch

#### SCULPO

Brust-Spatel-Dissektor  
Spatulated Breast Dissector



260-311-000 330 mm/13 inch

260-311-420 420 mm/16 ½ inch

#### SCULPO

Brust-Spatel-Dissektor, biegsamer Schaft  
Spatulated Breast Dissector, malleable shaft



260-011-010 330 mm/13 inch

260-011-421 420 mm/16 ½ inch

#### SCULPO

Brust-Spatel-Dissektor, **isolierter Schaft**  
Spatulated Breast Dissector, **insulated shaft**



## SCULPO

### Abgewinkelte Brust Retraktoren

Nicht isoliert und isoliert für die Verwendung mit HF-Strom

#### Anwendung:

- Zur submammären und subpektoralen Dissektion beim Zugang durch die Achseln
- Für vielfältige Dissektionen bei Brust Rekonstruktionen

#### Vorteile:

- Beiderseitige Dissektionen von verschiedenen Positionen
- der gerade Schaft sowie das symmetrische Design des elliptischen, schlank zugehenden Arbeitendes maximieren die Effizienz, Genauigkeit und die Sicherheit während der Gewebedissektion

### Angulated Breast Retractors

Non-insulated and insulated for use with HF-electricity

#### Application:

- For submammary and subpectoral dissections using axillary approach
- Numerous dissection applications during primary and delayed breast reconstruction

#### Advantages:

- Bilateral dissection from multiple directions with one instrument only
- Straight shaft and symmetric design of the elliptical, tapered shaped working end maximise efficiency, accuracy and safety during tissue dissection



260-010-000 330 mm/13 inch  
260-010-420 420 mm/16 ½ inch

#### SCULPO

Abgewinkelter Brust Dissektor  
Angled Breast Dissector



260-310-000 330 mm/13 inch  
260-310-420 420 mm/16 ½ inch

#### SCULPO

Abgewinkelter Brust Dissektor, biegsamer Schaft  
Angled Breast Dissector, malleable shaft



260-010-010 330 mm/13 inch  
260-010-421 420 mm/16 ½ inch

#### SCULPO

Abgewinkelter Brust Dissektor, **isolierter Schaft**  
Angled Breast Dissector, **insulated shaft**

## MARKIERER/MARKER



1/1

|             |         |
|-------------|---------|
| 260-750-125 | Ø 25 mm |
| 260-750-130 | Ø 30 mm |
| 260-750-134 | Ø 34 mm |
| 260-750-136 | Ø 36 mm |
| 260-750-138 | Ø 38 mm |
| 260-750-140 | Ø 40 mm |
| 260-750-142 | Ø 42 mm |
| 260-750-145 | Ø 45 mm |
| 260-750-150 | Ø 50 mm |
| 260-750-152 | Ø 52 mm |

### **FREEMAN**

Areola Markierer  
Areola Marker



1/1

|             |            |
|-------------|------------|
| 260-751-125 | Ø 38/42 mm |
| 260-751-142 | Ø 42/45 mm |

### **FREEMAN**

Doppelseitiger Areola Markierer  
Double ended Areola Marker



1/1

|             |      |
|-------------|------|
| 260-755-036 | Ø 36 |
| 260-755-038 | Ø 38 |
| 260-755-042 | Ø 42 |
| 260-755-045 | Ø 45 |

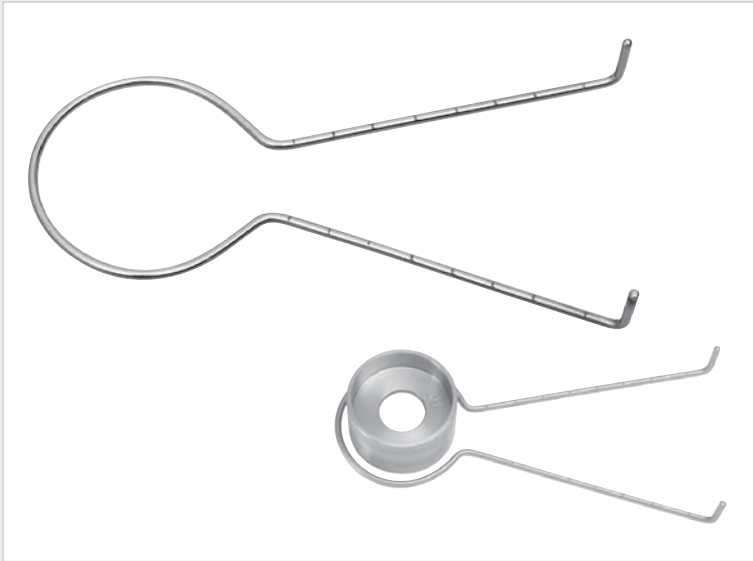
### **RZ**

Areola Markierer  
Areola Marker





MARKIERER/MARKER



260-738-000 Ø 38 mm  
260-742-000 Ø 42 mm  
260-745-000 Ø 45 mm

**MCKISSOCK**

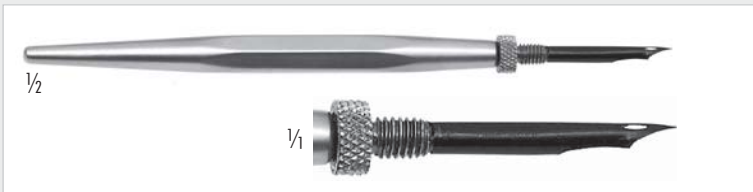
Brustmarkierer  
Breast Caliper



260-755-000 Ø 38 mm  
260-757-000 Ø 42 mm

**HALPERN**

Brustmarkierer  
Breast Caliper



420-832-145

**ECKHOFF**

Haut Markier Stift, mit versenkbarer Spitze, 170 mm  
Skin Marking Pen, with reversible holder for point, 7 inch



420-832-001

**ECKHOFF**

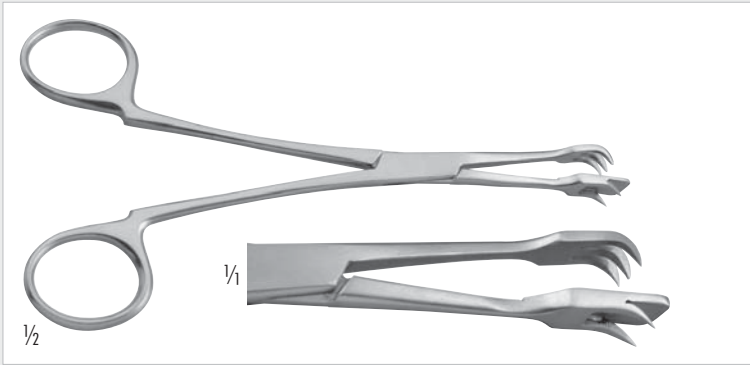
Ersatz Feder  
Spare Nib



400-832-100

Einmal-Markierer, Packung mit 10 Stück  
Marking pen, box of 10 pieces

FACELIFT-ZANGEN/FACE LIFT FORCEPS



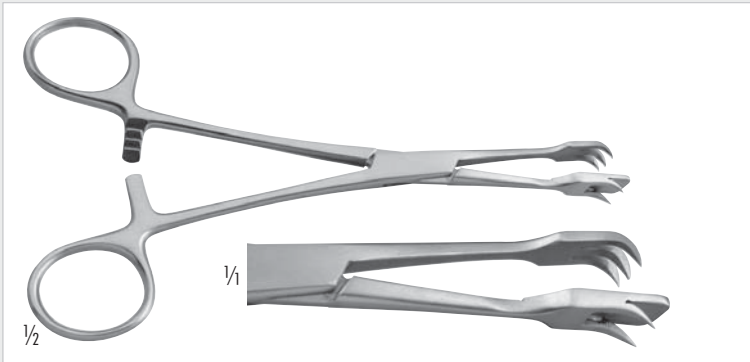
260-520-010

**D'ASSUMPCAO**

Facelift Klemme, für eine genaue Markierung der Gesichtslappen, welche entfernt werden sollen, **ohne Sperre**, 160 mm  
Face Lift Forceps, for a precise marking of dissected facial flaps for excision, **without ratchet**, 6 1/4 inch

260-520-016

Dito, 260 mm  
Same, 10 1/4 inch



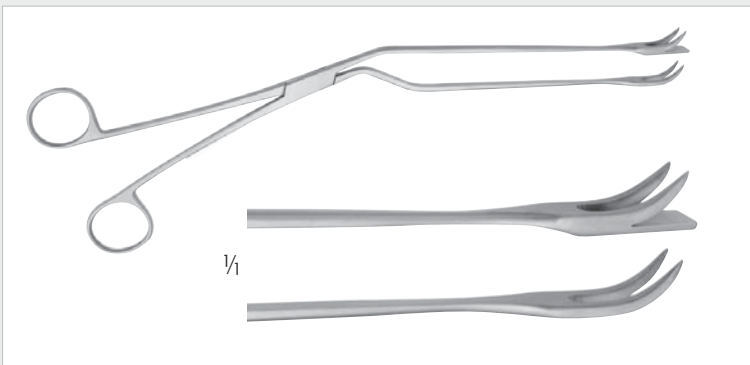
260-520-020

**D'ASSUMPCAO**

Facelift Klemme, für eine genaue Markierung der Gesichtslappen, welche entfernt werden sollen, **mit Sperre**, 160 mm  
Face Lift Forceps, for a precise marking of dissected facial flaps for excision, **with ratchet**, 6 1/4 inch

260-520-026

Dito, 260 mm  
Same, 10 1/4 inch



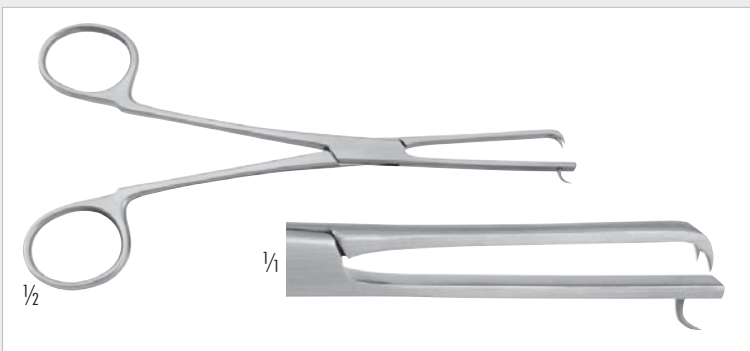
260-268-410

**LOCKWOOD**

Lappen Demarkationszange Arbeitslänge: 310mm  
zur Markierung von Abdominalen Lappen  
Abdominal Demarcator, working length: 310mm used for accurate measuring abdominal flaps

260-268-310

Dito, 160 mm Arbeitslänge  
Same, 160mm working length

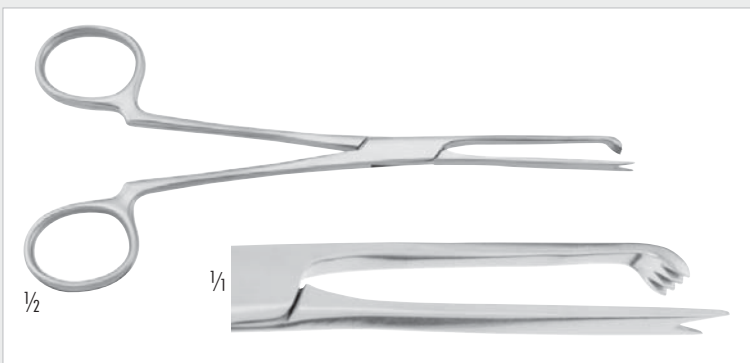


260-233-145 ohne Sperre/without ratchet

260-234-145 mit Sperre/with ratchet

**MARTEN**

Hautlappen Zange, 145 mm  
Flap Forceps, 5 3/4 inch



260-267-155 155 mm/6 inch

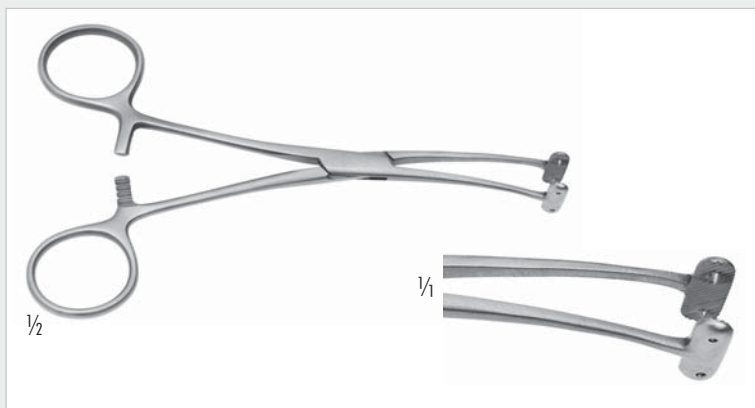
260-267-260 260 mm/10 1/4 inch

**PITANGUY**

Lappen Demarkationszangen werden für die genaue Markierung der Gesichts- und Abdominallappen, welche entfernt werden sollen, verwendet  
Flap Demarcator is used for accurate marking of facial or abdominal flaps that are to be excised.



## FACELIFT-ZANGEN/FACE LIFT FORCEPS



140-267-140

**MARTEL**

Hauptlappen Fasszange, 140 mm  
Flap Grasping Forceps, 5 1/2 inch

## ZIRKEL/CALIPERS



400-421-000

**JAMESON**

Zirkel mit Schlußschraube, graduert, 0 - 80 mm  
Caliper with locking screw, graduated, 0 - 80 mm



400-420-100

**THORPE**

Zirkel, mit Schlußschraube, 0-80 mm  
Caliper, with locking screw, 0-80 mm



400-583-007

**CASTROVIEJO**

Hautmeßzirkel mit Feststellschraube, Meßbereich 0 - 20 mm, 70 mm  
Caliper with locking screw, measuring range 0 - 20 mm, 2 3/4 inch

400-583-008

Hautmeßzirkel mit Feststellschraube, Meßbereich 0 - 40 mm, 180 mm  
Caliper with locking screw, measuring range 0 - 40 mm, 7 inch

## LINEAL/RULER



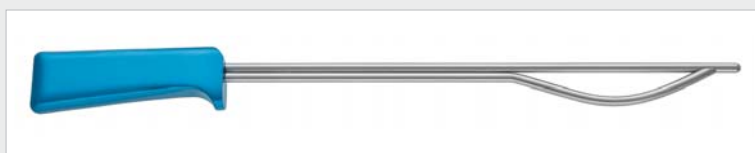
100-418-150 150 mm/6 inch

100-418-200 200 mm/8 inch

100-418-300 300 mm/11 3/4 inch

Lineal, mit mm und inch Markierung  
Ruler, with mm and inch markings

## UNTERMINIERER/UNDERMINER



260-603-380

Lockwood Unterminierer, 380mm, Anhebung: 3cm  
Lockwood Underminer, 15", Lift: 3cm

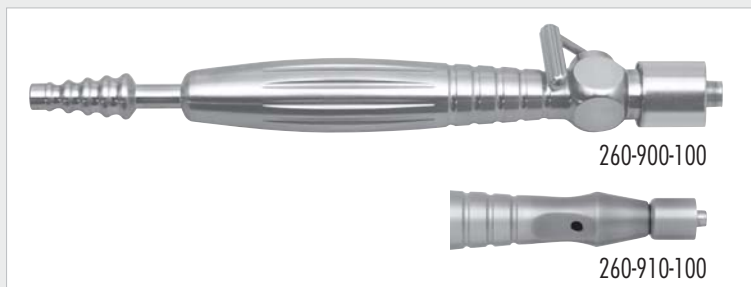
260-603-450

Lockwood Unterminierer, 480mm, Anhebung: 3cm  
Lockwood Underminer, 19", Lift: 3cm

## LIPOSUKTIONS KANÜLE/LIPOSUCTIONS CANNULAS

### Das RZ Lipo System:

- hochwertigstes Präzisionsinstrumentarium
- ergonomisch geformtes Handstück
- Vakuumkontrolle im Handstück integriert, welches einen schnellen Auf- und Abbau des Vakuums garantiert
- Kanülenwechsel ohne Vakuumverlust
- leicht bedienbarer Kanülen-Schnellverschluss



### The RZ Lipo System:

- high quality precision instrumentation
- ergonomically designed hand piece
- vacuum control integrated in the handpiece, a fast set up and reduction of the vacuum is guaranteed
- Cannula change without loss of vacuum
- easy quick lock mechanism

260-900-000 mit Schiebeventil/with lever mechanism  
260-910-000 mit Finger Stop/with thumb control

#### RZ

Lipo Handstück, mit Schnellverschluss  
Lipo Hand Piece, quick lock mechanism

260-900-100 mit Schiebeventil/with lever mechanism  
260-910-100 mit Finger Stop/with thumb control

#### RZ

Lipo Handstück mit Schiebeventil, mit LUER-LOCK  
Lipo Hand Piece with lever mechanism, with LUER-LOCK



| für Griffe/for handles<br>260-900-000/260-910-000 | für Griffe/for handles<br>260-900-100/260-910-100 | Ø<br>(mm) | AL: / W-L:<br>(mm) |
|---|---|-----------|--------------------|
| für/for Face-Lifting<br>260-912-150               | für/for Face-Lifting<br>260-912-151               | 2         | 150                |
| 260-913-150                                       | 260-913-151                                       | 3         | 150                |
| 260-913-200                                       | 260-913-201                                       | 3         | 200                |
| 260-913-250                                       | 260-913-251                                       | 3         | 250                |
| 260-913-300                                       | 260-913-301                                       | 3         | 300                |
| 260-914-200                                       | 260-914-201                                       | 4         | 200                |
| 260-914-250                                       | 260-914-251                                       | 4         | 250                |
| 260-914-300                                       | 260-914-301                                       | 4         | 300                |
| 260-915-250                                       | 260-915-251                                       | 5         | 250                |
| 260-915-300                                       | 260-915-301                                       | 5         | 300                |

|                                     |                                     |   |     |
|-------------------------------------|-------------------------------------|---|-----|
| für/for Face-Lifting<br>260-922-150 | für/for Face-Lifting<br>260-922-151 | 2 | 150 |
| 260-923-150                         | 260-923-151                         | 3 | 150 |
| 260-923-200                         | 260-923-201                         | 3 | 200 |
| 260-923-250                         | 260-923-251                         | 3 | 250 |
| 260-923-300                         | 260-923-301                         | 3 | 300 |
| 260-924-200                         | 260-924-201                         | 4 | 200 |
| 260-924-250                         | 260-924-251                         | 4 | 250 |
| 260-924-300                         | 260-924-301                         | 4 | 300 |
| 260-925-250                         | 260-925-251                         | 5 | 250 |
| 260-925-300                         | 260-925-301                         | 5 | 300 |



| für Griffe/for handles<br>260-900-000/260-910-000 | für Griffe/for handles<br>260-900-100/260-910-100 | Ø<br>(mm) | AL: / W-L:<br>(mm) |
|---|---|-----------|--------------------|
| 260-932-150                                       | 260-932-151                                       | 2         | 150                |
| 260-933-200                                       | 260-933-201                                       | 3         | 200                |
| 260-933-250                                       | 260-933-251                                       | 3         | 250                |
| 260-934-200                                       | 260-934-201                                       | 4         | 200                |
| 260-934-250                                       | 260-934-251                                       | 4         | 250                |
| 260-934-300                                       | 260-934-301                                       | 4         | 300                |
| 260-935-250                                       | 260-935-251                                       | 5         | 250                |
| 260-935-300                                       | 260-935-301                                       | 5         | 300                |



Mercedes

|             |             |   |     |
|-------------|-------------|---|-----|
| 260-952-150 | 260-952-151 | 2 | 150 |
| 260-953-150 | 260-953-151 | 3 | 150 |
| 260-953-200 | 260-953-201 | 3 | 200 |
| 260-953-250 | 260-953-251 | 3 | 250 |
| 260-954-200 | 260-954-201 | 4 | 200 |
| 260-954-250 | 260-954-251 | 4 | 250 |
| 260-954-300 | 260-954-301 | 4 | 300 |
| 260-955-250 | 260-955-251 | 5 | 250 |
| 260-955-300 | 260-955-301 | 5 | 300 |



Cobra

|             |             |   |     |
|-------------|-------------|---|-----|
| 260-942-150 | 260-942-151 | 2 | 150 |
| 260-943-150 | 260-943-151 | 3 | 150 |
| 260-943-200 | 260-943-201 | 3 | 200 |
| 260-943-250 | 260-943-251 | 3 | 250 |
| 260-944-200 | 260-944-201 | 4 | 200 |
| 260-944-250 | 260-944-251 | 4 | 250 |
| 260-944-300 | 260-944-301 | 4 | 300 |
| 260-945-250 | 260-945-251 | 5 | 250 |
| 260-945-300 | 260-945-301 | 5 | 300 |



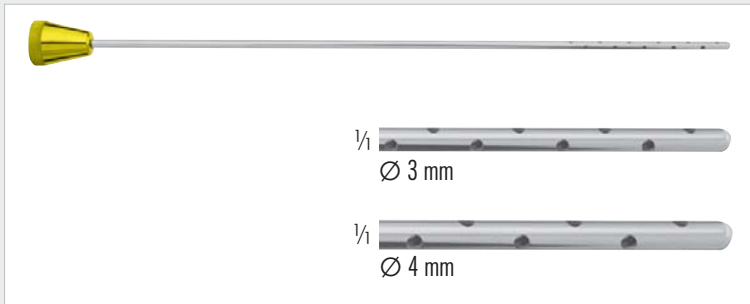
Spirale

|             |             |   |     |
|-------------|-------------|---|-----|
| 260-962-150 | 260-962-151 | 2 | 150 |
| 260-963-150 | 260-963-151 | 3 | 150 |
| 260-963-200 | 260-963-201 | 3 | 200 |
| 260-963-250 | 260-963-251 | 3 | 250 |
| 260-964-200 | 260-964-201 | 4 | 200 |
| 260-964-250 | 260-964-251 | 4 | 250 |
| 260-964-300 | 260-964-301 | 4 | 300 |
| 260-965-250 | 260-965-251 | 5 | 250 |
| 260-965-300 | 260-965-301 | 5 | 300 |



Shark

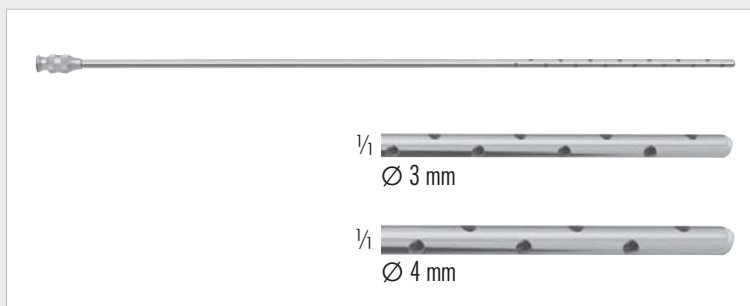
## KANÜLEN FÜR EIGENFETTUNTERSPRITZUNG/CANNULAS FOR LIPO REINJECTION



260-983-200 Ø 3 mm 22 Löcher/holes  
 260-984-200 Ø 4 mm 22 Löcher/holes  
 260-983-300 Ø 3 mm 30 Löcher/holes  
 260-984-300 Ø 4 mm 30 Löcher/holes  
 Liposuktions Kanüle für die Verwendung mit Spritzen  
 Liposuctions Cannulas for use with Syringes



166-972-000  
 Adapter mit LUER-LOCK Ansatz, zur Verwendung von Kanülen auf LUER-LOCK Spritzen  
 Adaptor with LUER-LOCK connection for use of cannulas on LUER-LOCK syringes



260-985-200 Ø 3 mm 22 Löcher/holes  
 260-986-200 Ø 4 mm 22 Löcher/holes  
 260-985-300 Ø 3 mm 30 Löcher/holes  
 260-986-300 Ø 4 mm 30 Löcher/holes  
 Liposuktions Kanüle für die Verwendung mit Spritzen, mit LUER-LOCK Anschluss  
 Liposuctions Cannulas for use with Syringes, with LUER-LOCK connection



166-970-060  
 Einweg Kunststoffspritze 50/60 ml, Packung à 60 Stück, einzeln steril verpackt, zur Verwendung mit Liposuktions Kanülen mit LUER-LOCK Anschluss  
 Disposable Plastic Syringe 50/60 ml, package of 60 pcs., individually packed, sterile, for use of Liposuctions Cannulas with LUER-LOCK connection



166-970-050  
 Spritze, 50 ml, Stop bei 25/50 ml  
 Syringe, 50 ml, Stop at 25/50 ml

166-970-010  
 Spritze, 10 ml  
 Syringe, 10 ml

166-970-051 50 ml Spritze/50 ml syringe  
 166-970-011 10 ml Spritze/10 ml syringe  
 Ersatz-Zylinder  
 Spare cartridge

## SPRITZENSTOP/STOP FOR SYRINGES



166-970-200 20 ml

166-970-300 30 ml

166-970-100 50/60 ml

Spritzenstop zur Gewinnung eines Vakuums in der Spritze

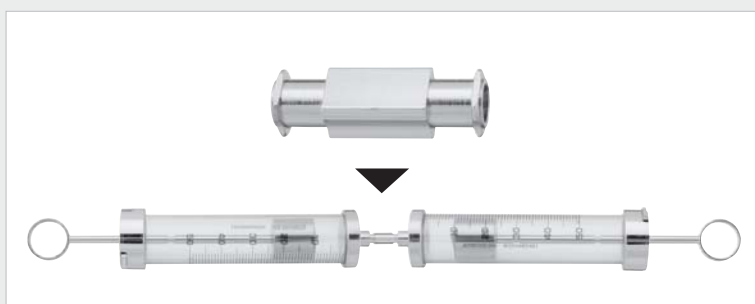
Stop syringes, lock maintains vacuum in the syringe



Spritze mit eingesetztem Spritzenstop

Syringe with inserted stop

## TRANSFER-ADAPTER/TRANSFER ADAPTOR



166-974-000

Transfer-Adapter für LUER-LOCK Spritzen

Transfer adaptor for LUER-LOCK syringes

## SPRITZENSTÄNDER/SYRINGE HOLDING DEVICE



166-975-000

Spritzenständer für LUER-LOCK Spritzen

Syringe Holding device for LUER-LOCK syringes







Darstellung mit Einwegspritze und Injektionskanüle (im Lieferumfang nicht enthalten)  
Illustration with disposable syringe and injection cannula (not included)

260-810-000

Lipo-Injektion, Dosierhandgriff  
Lipo-Injection, Dosing-handle

Der Lipo-Injektion Dosierhandgriff für die Toledo-Technik, zum Unterspritzen von Eigenfett im Gesichtsbereich, wird mit handelsüblichen Einweg-Kunststoffspritzen, 20 ml, 3-tlg. mit Luer-Lock verwendet. Der Kunststoff-Handgriff liegt gegenüber Metallausführungen wesentlich leichter in der Hand. Außerdem sind mit dem LIPO-Injektion Dosierhandgriff extrem feine und präzise Injektions-Dosierungen möglich. Geeignete Injektionsnadeln in verschiedenen Längen und Durchmesser stehen ebenfalls zur Verfügung.

The Lipo-Injection dosing handle for the Toledo technique for the injection of endogenous fat into the facial area is used with standard one-way plastic syringes, 20 ml, 3-part with Luer-Lock connector. The new plastic design handle weighs substantially less than the metal version. Furthermore, extremely delicate and precise doses are feasible with the lipo-injection dosing handle. Suitable Injection needles are also available in different sizes.

Zubehör/Accessories



1/2

260-811-020

Luer-Lock Einwegspritzen, Packung à 50 Stück, 20 ml Luer-Lock  
Disposable Syringes, package of 50 pcs., 20 ml



1/1

260-811-124

Injektionskanüle mit LUER-LOCK, 1,2 x 40 mm  
Injection Cannula with LUER-LOCK, 1.2 x 40 mm

260-811-126

Injektionskanüle mit LUER-LOCK, 1,2 x 60 mm  
Injection Cannula with LUER-LOCK, 1.2 x 60 mm

260-811-204

Injektionskanüle mit LUER-LOCK, 2,0 x 40 mm  
Injection Cannula with LUER-LOCK, 2.0 x 40 mm

260-811-206

Injektionskanüle mit LUER-LOCK, 2,0 x 60 mm  
Injection Cannula with LUER-LOCK, 2.0 x 60 mm

## VORBEREITUNG ZUM LIPO-TRANSFER PREPARATION OF LIPO TRANSFER

- A Einweg Kunststoffspritze demontieren  
Dismantle disposable plastic syringe



- B Gummistopper auf Metallaufnahme montieren  
Attach rubber stop on metal fixing device



- C Spritzenzylinder über Gummistopper schieben bis Anschlag Bajonettverschluss  
Push the barrel over the rubber stop up to the bayonet



- D Spritzenzylinder in Pfeilrichtung verriegeln  
Lock barrel by turning in direction of arrow



- E Durch Griffbetätigung Gummistopper in den Spritzenzylinder vorschieben  
Push rubber stop into the barrel by pressing the handle



- F Injektionskanüle mit LUER-Lock in Einwegspritze einführen und  
in Pfeilrichtung verriegeln  
Push Injection Cannula with LUER-LOCK into Disposable Syringe and  
lock by turning in direction of arrow



**Lipo-Transfer sowie dessen Vorbereitungen darf nur unter sterilen Bedingungen vorgenommen werden.  
Lipo-Transfer as well as its preparation should only be done in sterile condition**





## ABDOMINOPERINEAL RESECTION SET

| Abdominoperineal Resection Set | Artikelnummer<br>order number   | Bezeichnung   | Designation  | Anzahl<br>pieces |
|--------------------------------|---|---|--|------------------|
|                                | 120-030-170   | Mayo Chirurgische Schere, gerade, 170 mm                                    | Mayo Operating Scissors, straight, 6¾ inch                         | 2                |
|                                | 120-031-170   | Mayo Chirurgische Schere, gebogen, 170 mm                                   | Mayo Operating Scissors, curved, 6¾ inch                           | 2                |
|                                | 120-031-230   | Mayo chirurg. + gynäk. Schere, gebogen, 170 mm                              | Mayo Operating Scissors, curved, 9 inch                            | 2                |
|                                | 120-111-180   | Metzenbaum Nelson Schere, Fig. 1, gebogen, stumpf/stumpf, 180 mm            | Metzenbaum-Nelson Scissors, Fig. 1, curved, blunt/blunt, 7 inch    | 2                |
|                                | 130-510-250   | Chirurgische Pinzette, Russ. Modell, 250 mm                                 | Tissue Forceps Russ. model, 10 inch                                | 1                |
|                                | 130-562-230   | Nelson chirurgische Pinzette, Lungenpinzette, 230 mm                        | Nelson Tissue Forceps, Lung Dissecting Forceps, 9 inch             | 2                |
|                                | 140-291-140   | Crile (Fraser-Kelly) Arterienklemme, gebogen, gerieft, 140 mm               | Crile (Fraser-Kelly) Hemostatic Forceps, curved, serrated, 5½ inch | 10               |
|                                | 140-295-160   | Crile-Rankin Arterienklemme, gebogen, 160 mm                                | Crile-Rankin Hemostatic Forceps, curved, 6¼ inch                   | 6                |
|                                | 140-331-200   | Rochester-Pean Arterienklemme, gebogen, 200 mm                              | Rochester-Pean Hemostatic Forceps, curved, 8 inch                  | 2                |
|                                | 140-332-200   | Kocher-Ochsner Arterienklemme, gerade, 1x2 Zähne, 200 mm                    | Kocher-Ochsner Hemostatic Forceps, straight, 1 x 2 teeth, 8 inch   | 6                |
|                                | 140-361-280   | Gemini Präparierklemme, 280 mm  | Gemini Dissecting Forceps, 11 inch                                 | 3                |
|                                | 140-573-130   | Backhaus Tuchklemmen, 130 mm  | Backhaus Towel Forceps, 5 inch                                     | 6                |
|                                | 150-052-250   | Foerster Tupferzange, gerade, gerieft, 250 mm                               | Foerster Sponge Holding Forceps, straight, serrated, 10 inch       | 2                |
|                                | 180-540-180   | Crile-Wood Nadelhalter, TC, 180 mm  | Crile-Wood Needle Holder, TC, 7 inch                               | 2                |
|                                | 180-562-270   | Wangensteen Nadelhalter, TC, 270 mm   | Wangensteen Needle Holder, TC, 10½ inch                            | 1                |
|                                | 170-220-004   | Israel Wundhaken, 40 x 40 mm, 4 Zähne                                       | Israel Retractor, 40 x 40 mm, 4 teeth,                             | 1                |
|                                | 170-220-006   | Israel Wundhaken, 50 x 60 mm, 6 Zähne                                       | Israel Retractor, 50 x 60 mm, 6 teeth,                             | 1                |
|                                | 170-227-215   | Volkman Wundhaken, stumpf 4 Zähne 215 mm                                    | Volkman Retractor, blunt, 4 prongs, 8½ inch                        | 2                |
|                                | 310-014-150   | Allis Gewebefäßzange, 5 x 6 Zähne, 150 mm                                   | Allis Tissue Forceps, 5 x 6 teeth, 6 inch                          | 12               |
| 140-630-190                    | Schmidt Tonsillenzange, leicht gebogen, mit einem offenem Griff, 185 mm | Schmidt Tonsil Seizing Forceps, light curved, with one open handle, 7¼ inch | 8  |                  |



## BRUST CHIRURGIE SET/BREAST SURGERY SET

| Brust Chirurgie Set/ Breast Surgery Set | Artikelnummer<br>order number | Bezeichnung  | Designation   | Anzahl<br>pieces   |
|---|-------------------------------|--|---|--|
|   |                               | 120-507-225  | Bostwick - Mayo Schere, TC, geriefte Blätter, stumpfe Aussenseite, abgesetztes Blatt, 225 mm            | Bostwick-Mayo Scissors, TC, curved, serrated blade, blunt bevelled tip |
|   | 120-510-145                   | Metzenbaum Präparierschere, TC, Fig. 1, gerade, 145 mm                                       | Metzenbaum Scissors, TC, Fig. 1, straight, 5¾ inch  | 1  |
|   | 120-511-145                   | Metzenbaum Präparierschere, TC, Fig. 1, gebogen, 145 mm                                      | Metzenbaum Scissors, TC, Fig. 1, curved, blunt/blunt, 5¾ inch   | 1  |
|   | 120-031-170                   | Mayo Chirurgische Schere, gebogen, 170 mm  | Mayo Operating Scissors, curved, 6¾ inch  | 1  |
|   | 121-095-115                   | Strabismus Schere, gebogen, supercut, 115 mm   | Strabismus Scissors curved, supercut, 4½ inch   | 1  |
|   | 121-075-105                   | Iris Schere, gebogen, Supercut, 105 mm   | Iris Scissors, curved, supercut, 4 inch   | 1  |
|   | 180-550-160                   | Mayo Hegar Nadelhalter, TC, 160 mm   | Mayo Hegar Needle Holder, TC, 6 inch  | 2  |
|   | 180-530-120                   | Webster Nadelhalter, TC, glatt   | Webster Needle Holder, TC, smooth,  | 2  |
|   | 130-529-120                   | Adson-Brown Pinzette, 2mm Zahnreihe, und TC-Plattform, 7 x 7 Zähne, 120 mm                   | Adson-Brown Forceps, 2 mm tooth line, TC-platform, 7 x 7 teeth, 4¾ inch                                 | 2  |
|   | 130-140-120                   | Adson Chirurgische Pinzette, 1x2 Zähne, 120 mm   | Adson Tissue Forceps, 1 x 2 teeth, 4¾ inch  | 1  |
|   | 140-573-090                   | Backhaus Tuchklemmen, 90 mm  | Backhaus Towel Forceps, 3½ inch   | 2  |
|   | 140-573-110                   | Backhaus Tuchklemmen, 110 mm   | Backhaus Towel Forceps, 4 ⅓ inch  | 2  |
|   | 140-255-110                   | Halsted-Mosquito Arterienklemmen, gebogen, geriefetes Maul, 110 mm                           | Halsted-Mosquito Hemostatic Forceps, curved, serrated jaw, 4 ⅓ inch                                     | 6  |
|   | 140-293-140                   | Crile Arterienklemme, 1 x 2 Zähne, gebogen, gerieft, 140 mm                                  | Crile Hemostatic Forceps, 1 x 2 teeth, curved, serrated, 5½ inch  | 4  |
|   | 140-281-140                   | Kelly Arterienklemme, gebogen, 140 mm  | Kelly Hemostatic Forceps, curved, 5½ inch   | 2  |
|   | 310-012-150                   | Allis Darmfaßzange, 4 x 5 Zähne, 150 mm  | Allis Intestinal Tissue Forceps, 4 x 5 teeth, 6 inch  | 4  |
|   | 140-333-140                   | Kocher-Ochsner Arterienklemme, gebogen, 1x2 Zähne, 140 mm                                    | Kocher-Ochsner Hemostatic Forceps, curved, 1 x 2 teeth, 5½ inch   | 2  |
|   | 150-055-250                   | Foerster Tupferzange, gebogen, gerieft, 250 mm   | Foerster Swab Forceps, curved, serrated jaws, 10 inch   | 3  |
|   | 140-311-185                   | Adson Arterienklemme, gebogen, 185 mm  | Adson Hemostatic Forceps, curved, 7¼ inch   | 1  |
|   | 170-687-210                   | US Army Parker-Langenbeck Wundhaken, 2 Stück, 210 mm   | US Army Parker-Langenbeck Retractor, double pair, 8¼ inch   | 1  |
|   | 170-215-160                   | Senn Retraktor, scharf, 6,0 x 13,0 mm, 162 mm  | Senn Retractor, sharp, 6.0 x 13.0 mm, 6 ⅓ inch  | 1  |
|   | 170-216-160                   | Senn Retraktor, stumpf, 6,0 x 13,0 mm, 162 mm  | Senn Retractor, blunt, 6.0 x 13.0 mm, 6 ⅓ inch  | 1  |
|   | 171-591-330                   | Deaver Wundhaken 25 x 330 mm, mit gerieftem Arbeitsende                                      | Deaver Retractor, serrated working end, 1 x 13 inch   | 1  |
|   | 420-190-160                   | Joseph Nasenplastik Häkchen, 2 Haken 10 mm, 160 mm   | Joseph Rhinoplastic Hook, 2 hook 10 mm, 6¼ inch   | 2  |
|   | 420-183-150                   | Joseph Nasenplastik Häkchen, 1 Haken, 150 mm   | Joseph Rhinoplastic Hook, 1 hook, 6 inch  | 2  |
|   | 165-522-130                   | Frazier Saugkanüle gerade, 10 FR, mit Kaltlicht, Arbeitslänge 130 mm                         | Frazier Suction Tube, straight, 10 FR, with Fiber optic, W-L: 5 inch                                    | 1  |
|   | 110-130-077                   | Skalpelli Nr. 7, 165 mm  | Scalpel Handle No. 7, 6½ inch   | 1  |
|   | 110-110-003                   | Skalpelli Nr.3, 130 mm   | Scalpel Handle No. 3, 5 ⅛ inch  | 2  |
|   | 260-244-150                   | SCULPO Brustretraktor, mit Kaltlicht und Absaugung, Größe: 150 x 25mm                        | SCULPO Breast Retractor, with Fiber optic and suction, size: 6 x 1 inch                                 | 1  |
|   | 260-400-315                   | SCULPO Brust Spatel, halb-biegsam, 115 mm langes Blatt, 25mm breit, mit 47mm Zahnung, 315 mm | SCULPO Breast Spatula, semi-malleable, 1 x 6 inch blade, serrated blade, w/47 mm, 12½ inch total length | 1  |
|   | 260-016-410                   | Mac Collum-Dingman Brust Dissektor, mit abgewinkeltem Schaft                                 | Mac Collum-Dingman Breast Dissector, with angled shaft  | 1  |
|   | 260-011-000                   | SCULPO Brust Spatel Dissektor, 330 mm lang   | SCULPO spatulated Breast Dissector, 13 inch long  | 1  |
|   | 260-010-000                   | SCULPO Brust Dissektor, abgewinkelt, 330 mm lang   | SCULPO Breast Dissector, angled, 13 inch long   | 1  |
|   | 260-088-370                   | Agris-Dingman Transaxillary Dissektoren Set zum Formen von Brusttaschen                      | Agris-Dingman Transaxillary Dissector Set for creating submammary pockets                               | 1  |
|   | 260-750-138                   | Freeman Areola Markierer, 38 mm Durchmesser  | Freeman Areola Marker, 38 mm diameter   | 1  |
|   | 260-750-142                   | Freeman Areola Markierer, 42 mm Durchmesser  | Freeman Areola Marker, 42 mm diameter   | 1  |
|   | 260-750-145                   | Freeman Areola Markierer, 45 mm Durchmesser  | Freeman Areola Marker, 45 mm diameter   | 1  |
|   | 260-738-000                   | McKissock Brustmarkierer, 38 mm Durchmesser  | McKissock Breast Calliper, 38 mm diameter   | 1  |
|   | 260-742-000                   | McKissock Brustmarkierer, 42 mm Durchmesser  | McKissock Breast Calliper, 42 mm diameter   | 1  |
|   | 260-745-000                   | McKissock Brustmarkierer, 45 mm Durchmesser  | McKissock Breast Calliper, 45 mm diameter   | 1  |
|   | 260-712-000                   | Spatel Elektrode gerade, mit Absaugung und Trompetenventil, AL 270 mm                        | Spatula Electrode, straight, with suction and trumpet valve, W-L: 10½ inch                              | 1  |
|   | 260-710-000                   | J-Haken Elektrode gerade, mit Absaugung und Trompetenventil                                  | J-Hook Electrode, straight, with suction and trumpet valve  | 1  |



## NASENPLASTIK SET/RHINOPLASTY SET

Nasenplastik Set / Rhinoplasty Set

| Artikelnummer<br>order number | Bezeichnung  | Designation  | Anzahl<br>pieces |
|-------------------------------|--|--|------------------|
| 110-110-003                   | Skalpelli Griff Fig. 3, 135 mm                                 | Scalpel Handle No. 3, 5 1/8 inch   | 2                |
| 110-201-010                   | Skalpelli klingen Fig. 10, steril, Packung mit 100 Stück       | Scalpel blades Fig. 10, sterile, 100 pieces  | 1                |
| 110-201-015                   | Skalpelli klingen Fig. 15, steril, Packung mit 100 Stück       | Scalpel blades Fig. 15, sterile, 100 pieces  | 1                |
| 150-052-250                   | Foerster Tupferzange, gerieft, mit Sperre, gerade, 250 mm      | Foerster Sponge Holding Forceps, straight, with serrated jaw, 10 inch                    | 4                |
| 120-507-145                   | Mayo Chirurgische Schere, gebogen, 145 mm                      | Mayo Operating Scissors, TC, curved, 5 3/4 inch  | 1                |
| 120-121-150                   | Nerven Präparierschere, gebogen, spitz, 150 mm                 | Nerve Dissecting Scissors, curved, sharp, 6 inch   | 1                |
| 121-280-145                   | Fomon SuperCut Nasenschere, abgewinkelt, 145 mm                | Fomon Dorsal Scissors, SC, knee bent, 5 3/4 inch   | 1                |
| 120-131-135                   | Fomon Nasen Präparierschere, stark gebogen, 135 mm             | Fomon Dissecting Scissors, strongly curved, 5 1/4 inch                                   | 1                |
| 120-583-180                   | Heymann Nasenschere, TC, abgewinkelt, 180 mm                   | Heymann Nasal Scissors, TC, one serrated blade, 7 inch                                   | 1                |
| 410-395-190                   | Jansen Nasenpinzette, bajonett gebogen, 190 mm                 | Jansen Nose Dressing Forceps, bayonet angled, 7 3/4 inch                                 | 1                |
| 180-525-135                   | Kilner Nadelhalter, fein gerieft, 135 mm                       | Kilner Needleholder, TC, 5 1/4 inch  | 2                |
| 170-014-005                   | Joseph Nasenhäkchen, 5 mm breit                                | Joseph Hooklet, 5 mm, 2 prongs, 6 inch   | 1                |
| 170-014-007                   | Joseph Nasenhäkchen, 7 mm breit                                | Joseph Hooklet, 8 mm, 2 prongs, 6 inch   | 1                |
| 230-280-160                   | Fomon Nasenhaken mit 2 Kugeln auf den Spitzen, 160 mm          | Fomon Nasalhook, blunt, 2 prongs with ball tip prongs, 6 1/8 inch                        | 1                |
| 170-036-180                   | Neivert Nasenhaken doppelendig                                 | Neivert Nasal Retractor, 7 inch  | 1                |
| 260-501-120                   | Converse-Allar Wundhaken, doppelendig, halb-scharf             | Converse-Allar Retractor, blunt/blunt, 2 prongs, 10 and 14 mm, 4 3/4 inch                | 1                |
| 420-672-000                   | Maltz Nasenraspel, auf Zug, 180 mm                             | Original TC Maltz Nasal Rasp, reverse, straight, 7 inch                                  | 1                |
| 420-660-214                   | Fomon doppelendige TC Nasenraspel, Fig. 3/4, 210 mm            | Fomon Rasp, TC, Fig. 3/4, 7 x 40 mm, fine/coarse, double-ended, 8 1/4 inch               | 1                |
| 420-660-218                   | Fomon doppelendige TC Nasenraspel, Fig. 7/8, 210 mm            | Fomon Rasp, TC, Fig. 7/8, 7 x 40 mm, coarse/very coarse, double-ended, 8 1/4 inch        | 1                |
| 420-650-100                   | Peet-Cottle diamantierte Nasenraspel, leicht gebogen, 175 mm   | Peet-Cottle Nasal Rasp, with RZ-Diamonds, curved, 7 inch                                 | 1                |
| 260-500-001                   | Drahtbürste zum Reinigen von Nasenraspeln, 165 mm              | Wire brush, cleaning nasal rasps, 6 1/2 inch   | 1                |
| 420-568-002                   | RZ Nasen Osteotom, 2 mm breit, 180 mm                          | RZ Nasal Osteotome, 2 mm wide, 7 inch  | 1                |
| 420-568-004                   | RZ Nasen Osteotom, 4 mm breit, 180 mm                          | RZ Nasal Osteotome, 4 mm wide, 7 inch  | 1                |
| 420-568-006                   | RZ Nasen Osteotom, 6 mm breit, 180 mm                          | RZ Nasal Osteotome, 6 mm wide, 7 inch  | 1                |
| 420-459-002                   | Silver Nasenmeißel, rechts gebogen, 180 mm                     | Silver Cartilage Chisel, curved right, single guarded, 7 inch                            | 1                |
| 420-459-003                   | Silver Nasenmeißel, links gebogen, 180 mm                      | Silver Cartilage Chisel, curved left, single guarded, 7 inch                             | 1                |
| 210-264-140                   | RZ Hammer, mit austauschbaren Plastik Enden, 185 mm            | RZ Mallet, with interchangeable plastic discs, 140 g, 7 1/4 inch                         | 1                |
| 420-138-055                   | Killian-Walter Nasenspekula mit dünnen Blättern, 55 mm         | Killian-Walter Nasal Specula, thin blades, locking screw, 55 mm, 5 1/2 inch              | 1                |
| 420-530-165                   | Joseph Periosteal Elevator, leicht gebogen, 2 mm breit, 160 mm | Joseph Periosteal Elevator, slightly curved, 2 mm, 6 1/4 inch                            | 1                |
| 420-550-230                   | Cottle Septum Elevator, doppelendig, spitz/stumpf, 230 mm      | Cottle Septum Elevator, double-ended, with markings, sharp/blunt, 8 inch                 | 1                |
| 420-532-200                   | Obwegeser-Freer Elevator, spitz/stumpf, 200 mm                 | Obwegeser-Freer Septum Elevator, sharp/blunt, 8 inch                                     | 1                |
| 210-438-010                   | RZ Howarth Raspatorium, doppelendig, 220 mm                    | RZ Howarth Raspatory, straight and curved side, 8 3/4 inch                               | 1                |
| 420-365-000                   | Cottle Knorpelquetscher mit Entnahmeclip                       | Cottle Cartilage Crusher, with removal clip forceps                                      | 1                |
| 210-790-180                   | Beyer Hohlmeißelzange, gebogen, 180 mm                         | Beyer Bone Rongeur, curved, double action, 7 inch  | 1                |
| 420-250-160                   | Aufricht Nasenhaken, 10 x 45 mm Blatt, 160 mm                  | Aufricht Nasal Retractor, 10 x 45 mm blade, 6 1/4 inch                                   | 1                |
| 420-191-003                   | Joseph doppelschneidiges Nasenmesser, gebogen, 145 mm          | Joseph Nasal Knife, curved, sharp double-edge, 5 3/4 inch                                | 1                |
| 420-205-160                   | Joseph Nasenmesser mit stumpfer Spitze, gerade, 160 mm         | Joseph Nasal Knife, button-end knife, straight, 5 1/2 inch                               | 1                |
| 165-525-010                   | Fergusson Saugkanüle, 10 Fr., 3,0 mm Durchmesser, LUER, 180 mm | Fergusson Suction Canulla, 10 FR., 3.0 mm diameter, finger cut-off, stylet, LUER, 7 inch | 1                |
| 165-525-007                   | Fergusson Saugkanüle, 7 Fr., 2,3 mm Durchmesser, LUER, 180 mm  | Fergusson Suction Canulla, 7 FR., 2.3 mm diameter, finger cut-off, stylet, LUER, 7 inch  | 1                |
| 420-395-205                   | Negus Saug Dissektor, 6 mm, 205 mm                             | Negus Suction Elevator, 6 mm, 8 inch   | 1                |



## BLEPHAROPLASTIE SET/BLEPHAROPLASTY SET

| Blepharoplastie Set / Blepharoplasty Set | Artikelnummer<br>order number | Bezeichnung  | Designation   | Anzahl<br>pieces |
|--|-------------------------------|--|---|------------------|
|  | 110-110-003                   | Skalpelli Griff Fig. 3, 135mm  | Scalpel Handle No. 3, 5 3/8 inch  | 2                |
|  | 110-201-011                   | Skalpelli klingen Fig. 11  | Scalpel blades Fig. 11, sterile, 100 pieces                                     | 1                |
|  | 110-201-015                   | Skalpelli klingen Fig. 15  | Scalpel blades Fig. 15, sterile, 100 pieces                                     | 1                |
|  | 120-135-115                   | Kaye Blepharoplastie Schere, 115 mm                                    | Kaye Blepharoplasty Scissors, curved, serrated, ribbon style handle, 4 1/2 inch | 1                |
|  | 120-091-095                   | Stevens Sehenschere, gebogen, spitz, 95 mm                             | Stevens Tenotomy Scissors, ribbon handle, curved, sharp, 3 3/4 inch             | 1                |
|  | 130-534-120                   | Micro Adson chirurgische Pinzette, TC, 1 x 2 Zähne, 120 mm             | Micro Adson Tissue Forceps, TC, 1 x 2 teeth, 4 3/4 inch                         | 1                |
|  | 400-082-100                   | Kirby Fixierpinzette 1 x 2 Zähne, 100 mm                               | Kirby Fixation Forceps, 1 x 2 teeth, 4 inch                                     | 1                |
|  | 180-536-130                   | Halsey Nadelhalter, TC, glatt, 130 mm                                  | Halsey Needle Holder, TC, smooth, 5 1/8 inch                                    | 1                |
|  | 180-532-120                   | Derf Nadelhalter, TC, fein gerieft, 120 mm                             | Derf Needle Holder, TC, fine serrated, 4 3/4 inch                               | 1                |
|  | 170-042-160                   | Guthrie Wundhäkchen, Fig. 1, 2 Zähne, scharf, 160 mm                   | Guthrie Hook, Fig. 1, sharp, 2 prongs, 6 1/4 inch                               | 2                |
|  | 170-015-140                   | Cushing Wundhäkchen, fein, spitz, 140 mm                               | Cushing Fine Wound Retractor, sharp, 5 1/2 inch                                 | 2                |
|  | 400-602-267                   | Deponette mit 2 Etagen zur Lagerung, 277 x 159 x 16 mm mit Gummi-Matte | Container, with silicon mat, with 2 layers, 267 x 159 x 16 mm                   | 1                |
|  | 400-850-255                   | RZ-Okularschild inkl. Sauggriff, medium 25,5 x 22 mm                   | RZ-Ocular Shield incl. suction cup, medium 25,5 x 22 mm                         | 1                |
|  | 170-512-160                   | Desmarres Blepharoplastie Wundhaken, <b>isoliert</b> , 12 mm, 160 mm   | Desmarres Blepharoplasty Retractor, <b>insulated</b> , 12 mm, 6 1/4 inch        | 1                |
|  | 130-750-150                   | Adson Pinzette, <b>isoliert</b> , 1 x 2 Zähne, 150 mm                  | Adson Forceps, <b>insulated</b> , 1 x 2 teeth, 6 inch                           | 1                |





Endoskopisches Facelift-Stirn Set / Endoscopic Facelift-Forehead Set

| Artikelnummer<br>order number | Bezeichnung   | Designation  | Anzahl<br>pieces |
|-------------------------------|---|--|------------------|
| 260-104-030                   | SHAPER Endoskop für plast. Endoskopie, D: 4 mm, autoklavierbar, 30° Weitwinkel            | SHAPER Telescope for Plastic Endoscopy, 4 mm diameter, 30°, wide angle, autoclavable                   | 1                |
| 260-501-180                   | SHAPER Schaft, 4 mm mit aufgewinkelter Spatelspitze, rotierbarer Hahn, optimale Sicht     | SHAPER Sheath, 4 mm, one rotating stop cock, angled spatula tip for best view during tissue dissection | 1                |
| 251-140-175                   | SHAPER Schaft für plastische Endoskopie, 4 mm, mit flacher Spatelspitze, rotierbarer Hahn | SHAPER Sheath for Plastic Endoscope, 4 mm, one rotating stop cock, with a flat spatula tip             | 1                |
| 260-001-001                   | SHAPER Kopfhaut Elevator, 12,5 mm breit, leicht gebogen                                   | SHAPER Scalp Elevator, slightly curved, 12.5 mm wide   | 1                |
| 260-001-002                   | SHAPER Skalp Elevator, 12,5 mm, medium gebogen, abgewinkelte Spitze                       | SHAPER Scalp Elevator, half curved, with angled tip, 12.5 mm wide                                      | 1                |
| 260-002-001                   | SHAPER Endoforehead Elevator, halb gebogen, 7 mm breit                                    | SHAPER Endoforehead Elevator, half curved, 7 mm wide   | 1                |
| 260-020-001                   | SHAPER Stirnbein Dissektor, 6,5 mm breit, gebogen, 240 mm                                 | SHAPER Frontotemporal Dissector, curved, 6.5 mm wide, 9½ inch  | 1                |
| 260-023-000                   | SHAPER Dissektor, S-Form, 7 mm breit, 265 mm  | SHAPER Dissector, S-shaped, 7 mm wide, 10½ inch  | 1                |
| 260-024-000                   | SHAPER Arcus Marginalis Dissektor, S-Form, 10 mm breit, 240 mm                            | SHAPER Arcus Marginalis Dissector, S-shaped, 10 mm wide, 9½ inch                                       | 1                |
| 260-020-000                   | SHAPER Frontotemporal Dissektor, 10 mm breit, gerade, 225 mm                              | SHAPER Frontotemporal Dissector, straight, 10 mm wide, 8¾ inch   | 1                |
| 260-025-000                   | SHAPER Dissektor, S-Form, 9 mm breit, 240 mm  | SHAPER Dissector, S-shaped, 9 mm wide working end, 9½ inch   | 1                |
| 260-003-001                   | SHAPER Dissektor, leicht gebogen, 235 mm  | SHAPER Nerve Dissector, sharp tip, 9¼ inch   | 1                |
| 260-004-001                   | SHAPER Orbital Rim Dissektor, mittel gebogen  | SHAPER Orbital Rim Dissector   | 1                |
| 260-022-000                   | SHAPER Schläfen-Dissektor, gerade, 235 mm   | SHAPER Temporal-Dissector, straight, 9¼ inch   | 1                |
| 260-021-000                   | SHAPER Parietal Periosteal Elevator, gebogen, 250 mm                                      | SHAPER Parietal Periosteal Elevator, curved, 9¾ inch   | 1                |
| 260-003-002                   | SHAPER Nervenhaken, rechts gebogen, 240 mm  | SHAPER Nerve Hook, right curved, 9½ inch   | 1                |
| 260-003-003                   | SHAPER Nervenhaken, links gebogen, 240 mm   | SHAPER Nerve Hook, left curved, 9½ inch  | 1                |
| 260-008-003                   | SHAPER Nerven Protektor, rechts gebogen, 170 mm   | SHAPER Nerve Protector, right curved, 6¾ inch  | 1                |
| 260-008-002                   | SHAPER Nerven Protektor, links gebogen, 170 mm  | SHAPER Nerve Protector, left curved, 6¾ inch   | 1                |
| 260-204-600                   | SHAPER Faßzange, D: 2.7 mm, gerade, kurzes, starkes Maul, isolierter Schaft, 125 mm       | SHAPER Grasping Forceps with short strong jaw, insulated shaft, straight, 2.7 mm Diameter, 5 inch      | 1                |
| 260-204-400                   | SHAPER Faßzange, D: 2.7 mm, rechts gebogen, kurz, starkes Maul, isolierter Schaft, 125 mm | SHAPER Grasping Forceps with short, strong jaw, insulated shaft, right curved, 2.7 mm Diameter, 5 inch | 1                |
| 260-204-300                   | SHAPER Faßzange, D: 2.7 mm, links gebogen, lange, starkes Maul, isolierter Schaft, 125 mm | SHAPER Grasping Forceps with short strong jaw, insulated shaft, left curved 2.7 mm Diameter, 5 inch    | 1                |
| 260-203-600                   | SHAPER Hakenschere, D: 2.7 mm, gerade, isolierter Schaft, 125 mm                          | SHAPER Hook Scissors, insulated shaft, straight, D: 2.7 mm, 5 inch                                     | 1                |
| 260-203-700                   | SHAPER Hakenschere, D: 2.7 mm, 30° rechts gebogen, isolierter Schaft, 125 mm              | SHAPER Hook Scissors, insulated shaft, right curved, 30°, D: 2.7 mm, 5 inch                            | 1                |
| 260-203-800                   | SHAPER Hakenschere, D: 2,7 mm, links gebogen, isolierter Schaft, 125 mm                   | SHAPER Hook Scissors, insulated shaft, left curved, D: 2.7 mm, 5 inch                                  | 1                |
| 260-702-000                   | Spatel Elektrode, gebogen, mit Absaugung und Trompetenventil                              | Spatula Electrode curved, with suction and trumpet valve   | 1                |
| 260-700-000                   | J-Haken Elektrode, gebogen, mit Absaugung und Trompetenventil                             | J-Hook Electrode curved, with suction and trumpet valve  | 1                |

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| 420-143-055 | 81  | 420-460-005 | 74  | 420-498-210 | 67 |
| 420-143-070 | 81  | 420-480-200 | 68  | 420-498-230 | 68 |
| 420-143-090 | 81  | 420-481-215 | 85  | 420-499-299 | 67 |
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| 420-144-055 | 82  | 420-486-005 | 75  | 420-501-002 | 73 |
| 420-144-075 | 82  | 420-487-005 | 75  | 420-501-004 | 73 |
| 420-144-090 | 82  | 420-487-009 | 76  | 420-501-006 | 73 |
| 420-145-036 | 84  | 420-487-011 | 76  | 420-501-008 | 73 |
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| 420-184-100 | 65  | 420-487-015 | 76  | 420-501-012 | 73 |
| 420-185-100 | 65  | 420-488-009 | 76  | 420-501-015 | 73 |
| 420-189-210 | 86  | 420-488-011 | 76  | 420-503-011 | 73 |
| 420-190-003 | 93  | 420-488-013 | 76  | 420-505-005 | 76 |
| 420-190-160 | 153 | 420-488-015 | 76  | 420-505-007 | 76 |
| 420-191-003 | 93  | 420-488-200 | 68  | 420-505-009 | 76 |
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| 420-523-141 | 62  | 420-639-001 | 75  | 420-700-610 | 79  |
| 420-530-165 | 85  | 420-639-002 | 75  | 420-700-620 | 79  |
| 420-530-165 | 154 | 420-639-003 | 75  | 420-700-630 | 79  |
| 420-531-165 | 85  | 420-640-001 | 75  | 420-700-640 | 79  |
| 420-532-165 | 85  | 420-640-002 | 75  | 420-700-650 | 79  |
| 420-532-200 | 86  | 420-640-003 | 75  | 420-700-700 | 79  |
| 420-532-200 | 154 | 420-650-001 | 70  | 420-743-040 | 82  |
| 420-550-230 | 85  | 420-650-002 | 70  | 420-743-055 | 82  |
| 420-550-230 | 154 | 420-650-100 | 68  | 420-743-090 | 82  |
| 420-551-200 | 85  | 420-650-100 | 154 | 420-744-075 | 82  |
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| 420-553-170 | 85  | 420-652-100 | 92  | 420-756-180 | 70  |
| 420-555-195 | 86  | 420-653-000 | 69  | 420-832-001 | 94  |
| 420-557-170 | 86  | 420-654-180 | 70  | 420-832-001 | 142 |
| 420-568-002 | 73  | 420-655-180 | 70  | 420-832-145 | 94  |
| 420-568-002 | 154 | 420-656-180 | 70  | 420-832-145 | 142 |
| 420-568-004 | 73  | 420-657-180 | 70  | 420-985-013 | 99  |
| 420-568-004 | 154 | 420-660-000 | 69  | 420-985-014 | 99  |
| 420-568-006 | 73  | 420-660-214 | 69  | 420-985-015 | 99  |
| 420-568-006 | 154 | 420-660-214 | 154 | 430-100-600 | 98  |
| 420-568-008 | 73  | 420-660-216 | 69  | 430-100-601 | 98  |
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| 420-580-002 | 72  | 420-660-218 | 154 | 430-100-603 | 98  |
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| 420-580-007 | 72  | 420-661-000 | 69  | 430-105-003 | 98  |
| 420-580-009 | 72  | 420-661-100 | 69  | 430-297-140 | 130 |
| 420-580-012 | 72  | 420-667-210 | 69  | 430-297-141 | 130 |
| 420-580-145 | 98  | 420-669-210 | 68  | 430-297-150 | 130 |
| 420-581-145 | 98  | 420-670-210 | 70  | 430-297-151 | 130 |
| 420-582-003 | 72  | 420-672-000 | 67  | 430-497-141 | 130 |
| 420-582-045 | 72  | 420-672-000 | 154 | 430-497-151 | 130 |
| 420-582-145 | 98  | 420-672-004 | 67  | 430-531-170 | 86  |
| 420-583-145 | 98  | 420-678-190 | 71  | 430-532-170 | 86  |
| 420-585-160 | 85  | 420-690-200 | 71  | 430-797-140 | 130 |
| 420-587-010 | 74  | 420-691-200 | 71  | 430-797-141 | 130 |
| 420-587-012 | 74  | 420-692-200 | 71  | 430-797-150 | 130 |
| 420-587-014 | 74  | 420-700-001 | 78  | 430-797-151 | 130 |
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| 420-589-012 | 74  | 420-700-022 | 78  | 431-200-003 | 99  |
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| 420-589-016 | 74  | 420-700-030 | 78  | 431-200-013 | 99  |
| 420-594-002 | 73  | 420-700-100 | 78  | 431-200-021 | 99  |
| 420-594-003 | 73  | 420-700-120 | 78  | 431-200-023 | 99  |
| 420-594-004 | 73  | 420-700-140 | 78  | 431-200-027 | 99  |
| 420-594-005 | 73  | 420-700-200 | 79  | 431-200-100 | 99  |
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| 420-594-008 | 73  | 420-700-330 | 79  | 431-630-007 | 85  |
| 420-594-009 | 73  | 420-700-340 | 79  | 431-630-009 | 85  |
| 420-594-010 | 73  | 420-700-400 | 78  | 431-630-011 | 85  |
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