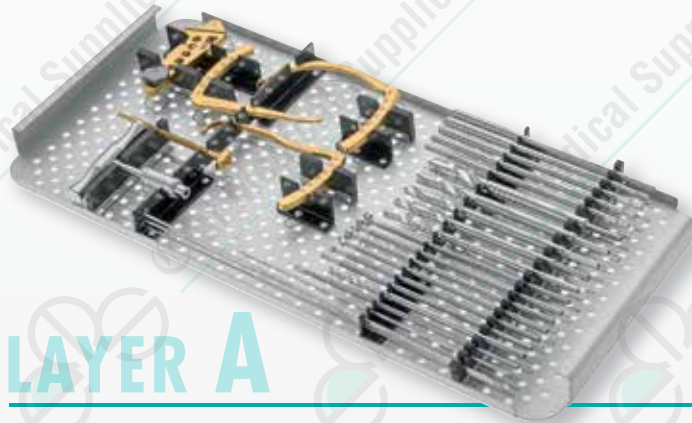


The new RZ ACL / PCL Instrumentation Set consists of a complete assortment of instruments for arthroscopic ACL and PCL reconstruction procedures. A highly precise and ergonomic drill guide system allows flexibility and control.

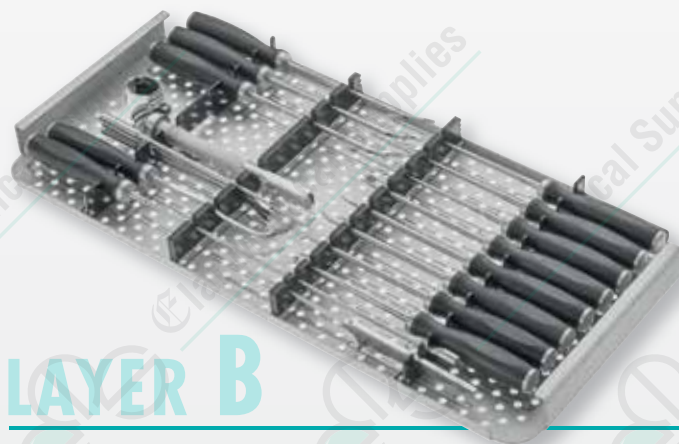
It's multi-layered and predestined instrument piles allows the surgery staff easy identifying, preparing and safe storing.

Complete Set 225-000-000



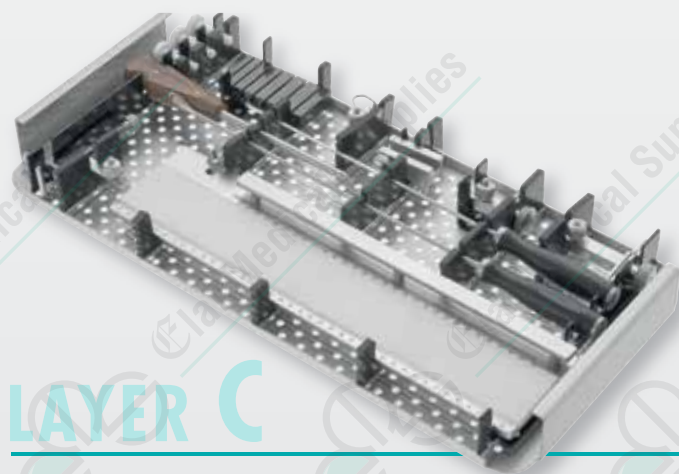
LAYER A

- Drill Guide System
- Tunnel Dilators
- Cannulated Tibial Reamers
- Cannulated Femoral Reamers
- Endoscopic Reamers
- Guide Wire Screws



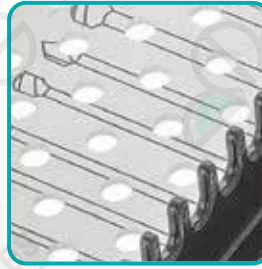
LAYER B

- Microfracture Chondro Picks
- Impactor
- Transtibial Femoral Aimer
- PCL Rasp and Elevators
- Tendon Strippers
- Arthroscopic Probes



LAYER C

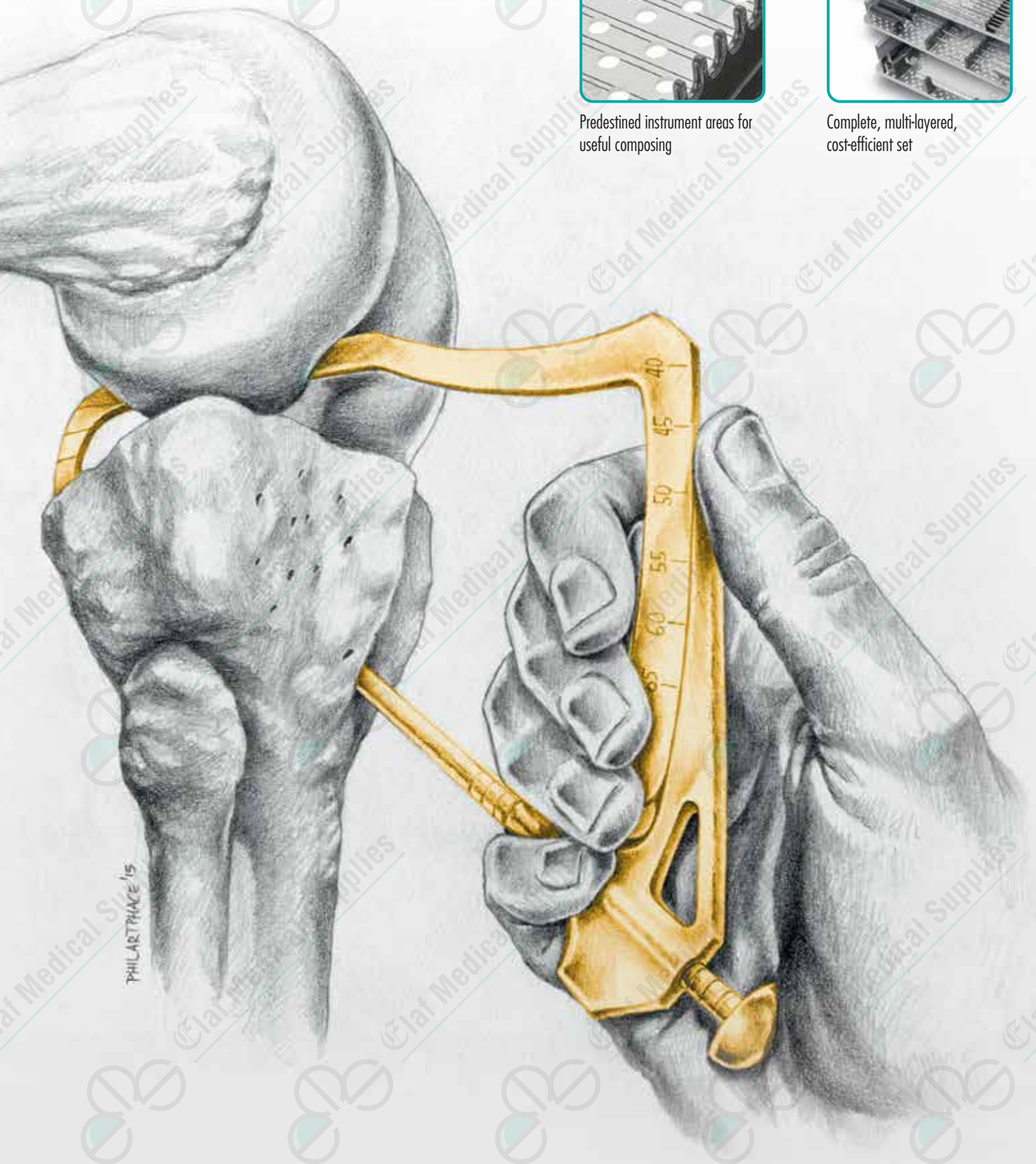
- Graft Preparation Station
- Graft Sizing Block
- Tunnel Plugs
- Tendon Strippers
- Cannulated Screwdriver
- Depth Gauges



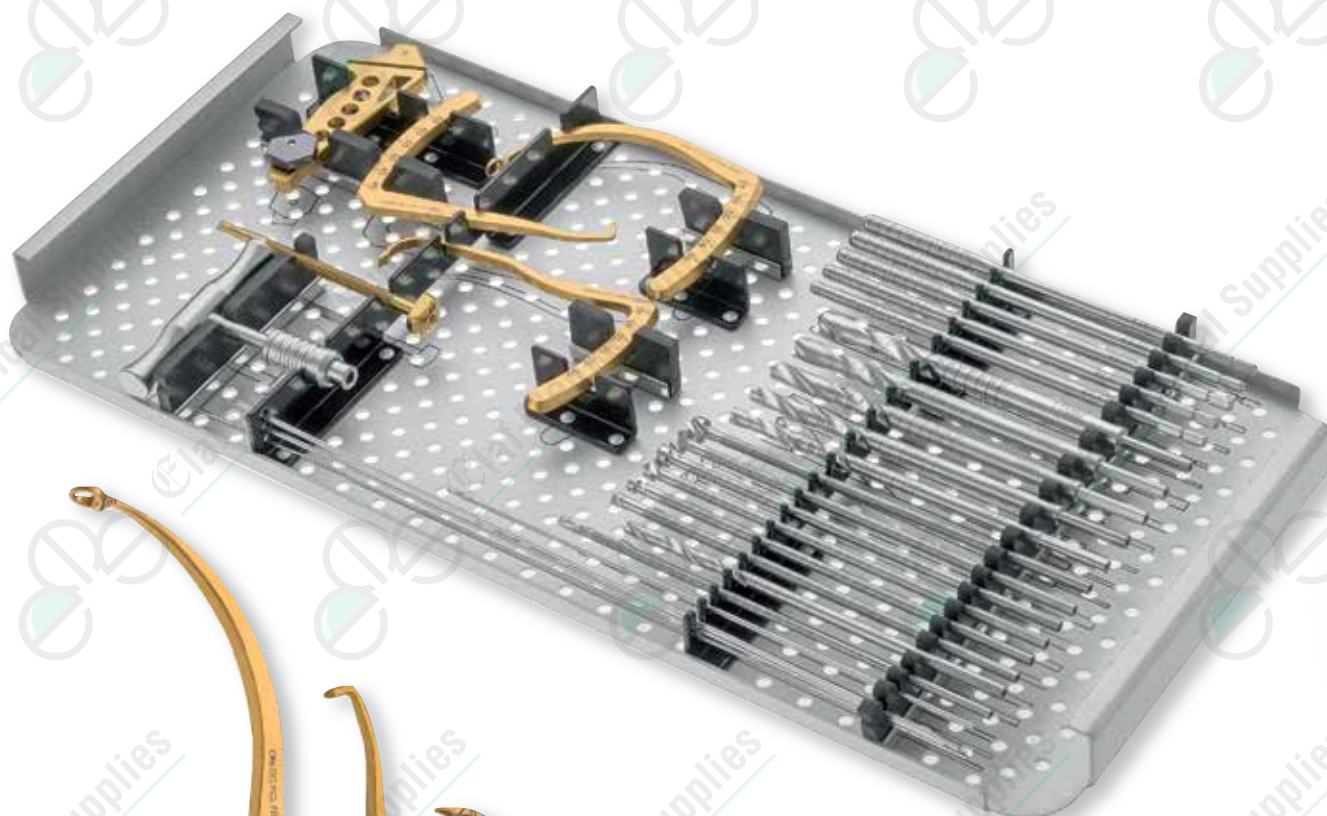
Predestined instrument areas for useful composing



Complete, multi-layered, cost-efficient set



PHILARTRANCE '15



RZ Drill Guide System

Anatomical and conforming drill guides for effortless working and perfect adjustment to the knee.

- Ergonomic, dovetailed guides for one-hand operation thanks to locking mechanism
- Lightweight and compact design
- Ergonomic, dove-tailed guides
- Secure placement on the tibia
- Posterior capsule is protected during guide wire drilling

Drill Guide System

Accessories

225-000-001

PCL femoral aimer
ACL tip aimer
PCL tibial aimer
Angled bullet
Drill guide



- Used to expand tibial and femoral tunnels while compressing the cancellous bone without drilling

Tunnel Dilators / T-Handle

	Description
225-000-406	6mm, cannulated
225-000-407	7mm, cannulated
225-000-408	8mm, cannulated
225-000-409	9mm, cannulated
225-000-410	10mm, cannulated
225-000-400	T-Handle (suitable for 123-456-789 to -789)



Cannulated Tibial Reamers

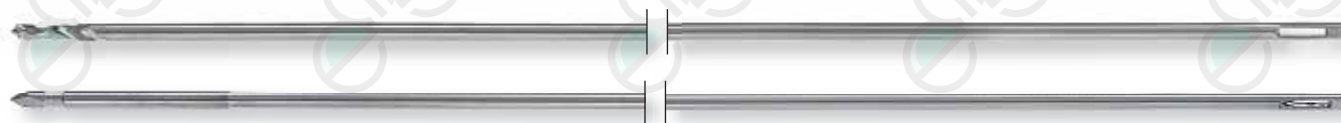
Order-No.	Description
225-000-060	6.0mm
225-000-065	6.5mm*
225-000-070	7.0mm
225-000-075	7.5mm*
225-000-080	8.0mm
225-000-085	8.5mm*
225-000-090	9.0mm

	Description
225-000-095	9.5mm*
225-000-100	10.0mm
225-000-105	10.5mm*
225-000-110	11.0mm
225-000-115	11.5mm*
225-000-112	12.0mm*



Endoscopic Reamer

225-000-008	Ø 4.7mm, cannulated, 200mm
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Drill / Graft Passing Guide Pins

225-000-005	Drill bit, Ø 2.4mm
225-000-006	Pin, Drill-tip
225-000-007	Pin, Diamond-tip



Cannulated Femoral Reamers

225-000-260	6.0mm
225-000-265	6.5mm*
225-000-270	7.0mm
225-000-275	7.5mm*
225-000-280	8.0mm
225-000-285	8.5mm*
225-000-290	9.0mm

225-000-295	9.5mm*
225-000-300	10.0mm
225-000-305	10.5mm*
225-000-310	11.0mm
225-000-315	11.5mm*
225-000-312	12.0mm*



Guide Wire for screws

225-000-009	Ø 2.0mm
225-000-212	Ø 1.2mm, Nitinol*
225-000-220	Ø 2.0mm, Nitinol*



Rasps

Order-No.	Description
225-000-500	Straight rasp
225-000-501	Convex rasp
225-000-502	Half-round rasp

* Item not included in the set and can be ordered separately.



Chondro Picks

Order-No.	Description
225-600-200	0° / straight
225-600-225	25°
225-600-240	40°
225-600-260	60°

Curette

225-000-507	25° angled down
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Femoral Aimer

225-000-015	5.0mm
225-000-016	6.0mm
225-000-017	7.0mm



Tendon Stripper, closed

Order-No.	Description
225-000-606	6.0mm*
225-000-607	7.0mm
225-000-608	8.0mm*



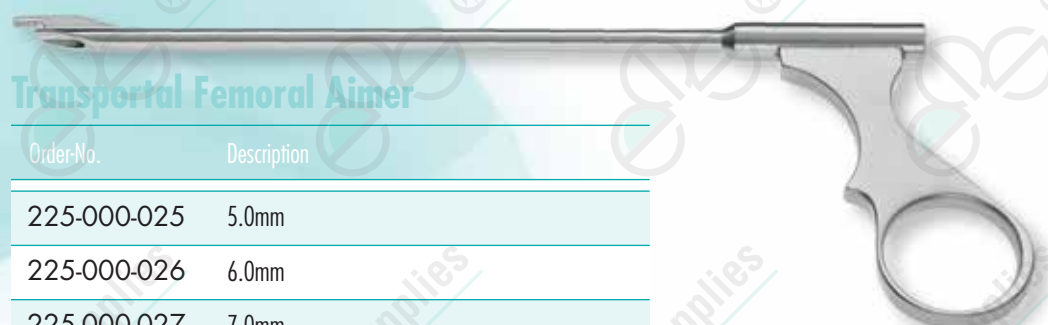
PCL Elevator

Order-No.	Description
225-000-503	with wire capture hole



Arthroscopic Probe

Order-No.	Description
225-400-102	5mm graduations



Transportal Femoral Aimer

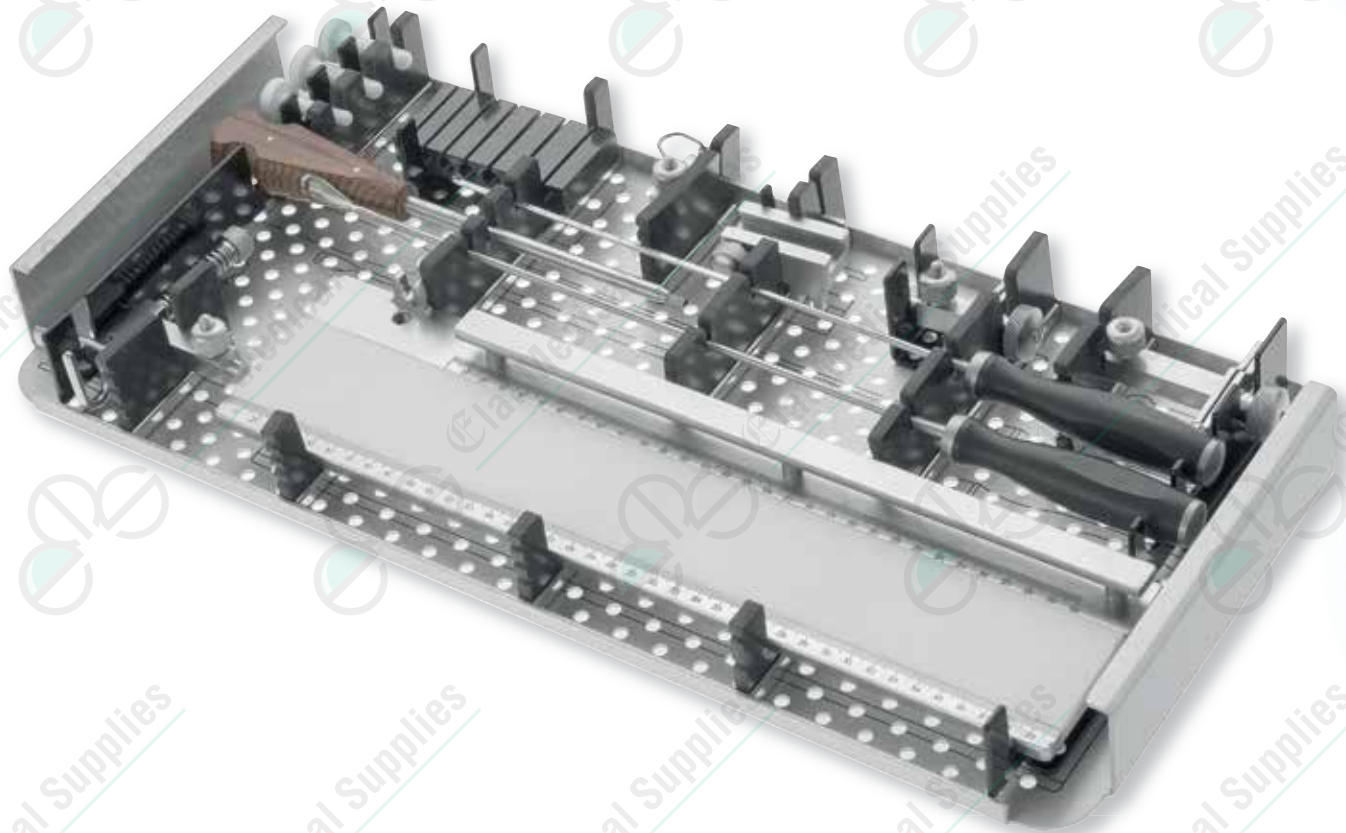
Order-No.	Description
225-000-025	5.0mm
225-000-026	6.0mm
225-000-027	7.0mm



Impactor

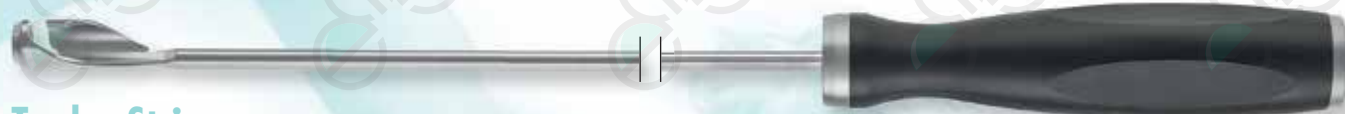
Order-No.	Description
225-000-012	For spiked ligament staple

* Item not included in the set and can be ordered separately.



Graft Preparation Station

225-000-700 Fully modular system for 6 to 12 increments



Tendon Stripper, open

Order-No.	Description
225-000-616	6.0mm*
225-000-617	7.0mm
225-000-618	8.0mm*



Depth Gauges

Order-No.	Description
225-000-010	For measuring the total length of femoral channel



Screwdriver

Order-No.	Description
225-000-011	Cannulated



Graft Sizing Block

225-000-800	From 6mm to 12mm (in 1mm steps)
225-000-801	From 6.5mm to 11.5mm (in 1mm steps)*



Tunnel Plugs

225-000-037	7-8mm
225-000-038	8-9mm
225-000-039	9-10mm

* Item not included in the set and can be ordered separately.

ArthVIEW® Telescopes for large joint, 4.0mm, 175mm length

Colour coded rings identify the „direction of view“

Removable eyepiece for C-mount connection or RZ QuickSnap locking

3-step light post adaptors to connect the most common light cables directly to the endoscope

Sapphire glasses ensure highest stability against damages on the lens system

Optimised glass fibre arrangements ensure an uniform image brightness of highest quality

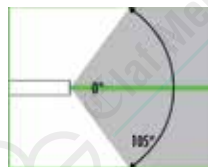
Full HD high definition pictures with increased detail-resolution through newest CAD-designed rod-lens systems

Fully Autoclavable at 134°C and 2.3bar

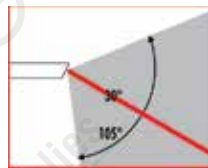
Laser welded metal parts

FULL HD

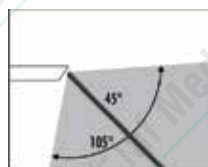
0° 30° 45° 70°



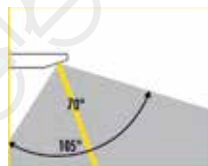
| 225-140-000 ArthVIEW telescope 0° direction of view, 4.0mm diameter, 175mm length



| 225-140-030 Same, 30° direction of view



| 225-140-045 Same, 45° direction of view



| 225-140-070 Same, 70° direction of view

ArthFLOW® Sheath System

All RZ ArthFLOW Arthroscope sheaths feature:

360° rotating stopcocks – easy handling of suction/irrigation tubes

Complete stainless steel – easy to clean, maximum infection control

Colour coded for easy identification of diameters – easy to find in the Arthroscope set

Telescope stabilizing system – less damages on telescopes

For use with RZ 0°, 30°, 45° and 70° telescopes

For use in large joints and with 4.0mm, 175mm long ArthVIEW telescopes



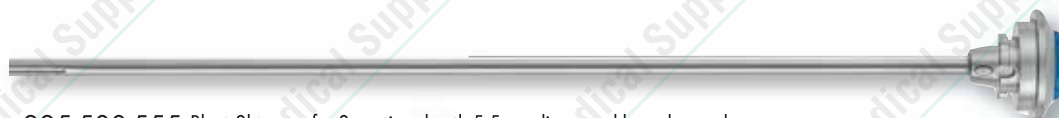
Rotating Telescope
locking



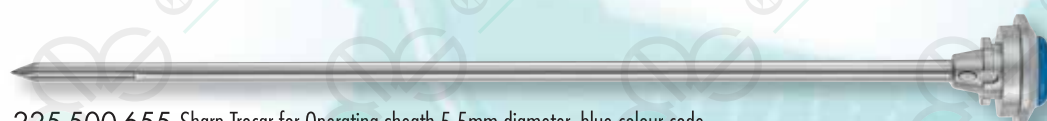
225-500-255 Operating sheath with 2 stopcocks, 5.5mm diameter, blue colour code



225-500-155 Same, with 1 stopcock



225-500-555 Blunt Obturator for Operating sheath 5.5mm diameter, blue colour code



225-500-655 Sharp Trocar for Operating sheath 5.5mm diameter, blue colour code



225-500-260 HighFlow Operating sheath with round perforation,
with 2 stopcocks, 6.0mm diameter, red colour code



225-500-160 Same, with 1 stopcock



225-500-560 Blunt Obturator for HighFlow Operating sheath, 6.0mm diameter,
red colour code



225-500-660 Sharp Trocar for HighFlow Operating sheath, 6.0mm diameter,
red colour code



225-500-265 HighFlow Operating sheath with large suction/irrigation perforation,
with 2 stopcocks, 6.5mm diameter, yellow colour code



225-500-565 Blunt Obturator for HighFlow Operating sheath, 6.5mm diameter,
yellow colour code



225-500-665 Sharp Trocar for HighFlow Operating sheath, 6.5mm diameter,
yellow colour code

ArthFLOW® Sheath System with Quick-Lock



Quick-lock Telescope locking

225-550-255 Operating sheath with 2 stopcocks, 5.5mm diameter, blue colour code

225-550-155 Same, with 1 stopcock

225-550-555 Blunt Obturator for Operating sheath 5.5mm diameter, blue colour code

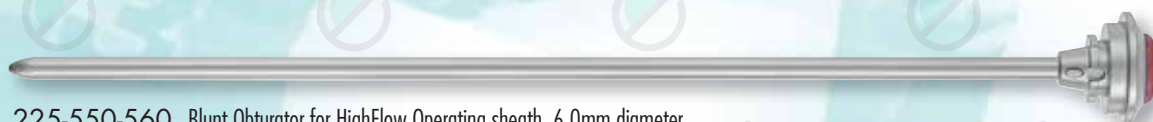
225-550-655 Sharp Trocar for Operating sheath 5.5mm diameter, blue colour code



225-550-260 HighFlow Operating sheath with round perforation, with 2 stopcocks, 6.0mm diameter, red colour code



225-550-160 Same, with 1 stopcock



225-550-560 Blunt Obturator for HighFlow Operating sheath, 6.0mm diameter, red colour code



225-550-660 Sharp Trocar for HighFlow Operating sheath, 6.0mm diameter, red colour code



225-550-265 HighFlow Operating sheath with large suction/irrigation perforation, with 2 stopcocks, 6.5mm diameter, yellow colour code



225-550-565 Blunt Obturator for HighFlow Operating sheath, 6.5mm diameter, yellow colour code



225-550-665 Sharp Trocar for HighFlow Operating sheath, 6.5mm diameter, yellow colour code

Suction- and Irrigation System



Modular Multifunctional Arthroscopic Suction- and Irrigation System with pistol handle.

Features:

- maintenance-free 2-way-valve for irrigation and aspiration
- rotating shaft with 4 lateral holes at the distal end
- quick dismateling/reassembling for cleaning procedures

For telescopes Ø 4.0mm

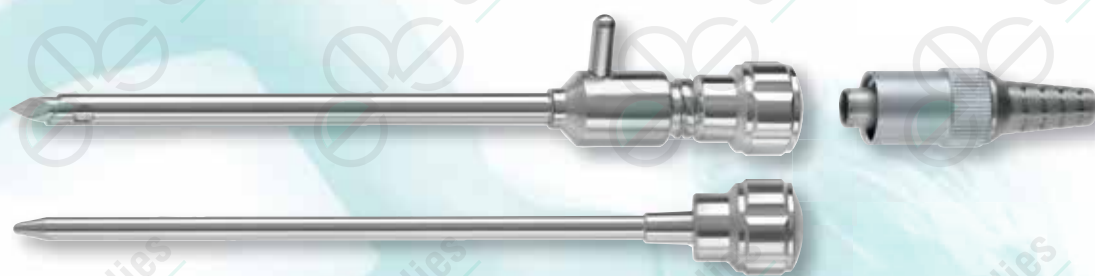
	Size	for telescopes with working length / viewing angle
225-255-004	4.0mm	175mm / 0° - 30°
225-256-004	4.0mm	175mm / 70°



Sharp trocar with pyramidal tip
225-255-104 Ø 4.0mm



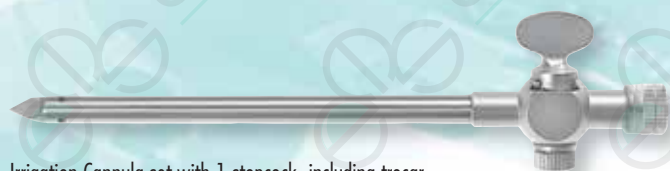
Blunt obturator
225-257-104 Ø 4.0mm



225-850-145

Inflow-Cannula 4.5mm, complete set with shaft, trocar with sharp tip, blunt obturator and irrigation adaptor

Accessories for Suction- and Irrigation System



Irrigation Cannula set with 1 stopcock, including trocar and obturator, 70mm working length

225-850-000 Ø 2.3mm

225-850-001 Ø 3.5mm



300-01 1-181

LuerLock tube connector 9mm



300-01 1-506

LuerLock tube connector 6mm



Obturator, blunt, 70mm working length

225-850-002 Ø 2.3mm

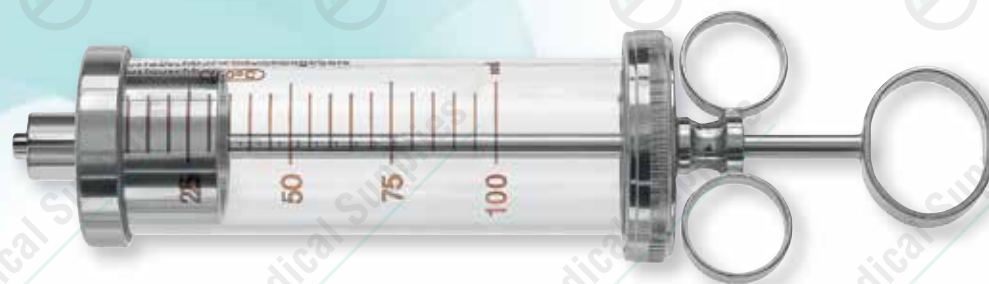
225-850-004 Ø 3.5mm



Obturator, sharp, 70mm working length

225-850-003 Ø 2.3mm

225-850-005 Ø 3.5mm



225-852-000

Irrigation syringe, 100ml



Guiding and changing rods for use with trocar sheath

225-865-027 Ø 2.7mm x 230mm

225-865-030 Ø 3.5mm x 230mm

225-865-040 Ø 4.0mm x 230mm

ArthVANCE® Punches, Scissors and Grasper

The ArthVANCE® instrument series enables fast and effective resection of meniscal tears and provides a smooth, anatomically shaped meniscal rim.

A wide range of punches, scissors and graspers with flat tips feature an extremely low profile to access even the tightest joint spaces.

Made in Germany – with more than 15 years of design and production experience in arthroscopic hand held instruments RZ guarantees unsurpassed strength and sharpness retention.

Trust in Quality – RZ offers a lifetime warranty on material and workmanship on every ArthVANCE® instrument.



HANDLE SELECTION



RING HANDLE

All RZ Punches, Rongeurs and selected Graspers, feature our traditional Ring Handle



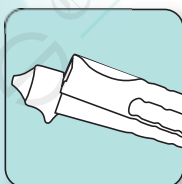
PRO HANDLE

Selected Punches, scissors and graspers feature this new and pronomic handle design



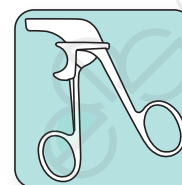
PENCIL HANDLE

Available on all scissors and rotary punches with easy to use opening and locking device



SLIDELOCK HANDLE

All RZ Graspers come with the infinite-position, Slide-Lock handle for easy and intuitive grasping.



SHAPE SELECTION



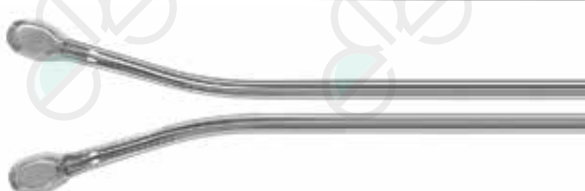
Straight: **Straight Tip and Shaft** for direct approach



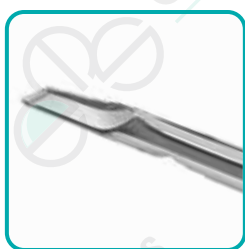
UpBiter: **Upwards angled Tip** for increased access to the posterior meniscus



UpSwept: **Upwards angled Shaft** follows the contour of the condyle to keep a parallel cutting surface to the tibial plateau



Left & Right: **Curved in Shaft** to reach the anterior and posterior meniscus



Traditional Duckbill Low profile jaw

DUCKBILL BASKET PUNCH

Multi-Purpose, low profile punches with a square bite and 3 different sizes



Small Duckbill (S)



2.5mm bite

Medium Duckbill (M)*



3.2mm bite

Large Duckbill (L)



4.5mm bite



RING HANDLE



PRO HANDLE

Straight (S)

225-800-101

Straight (M)

225-800-102*

225-700-102

Straight (L)

225-800-103

UpBiter (S)

225-800-104

UpBiter (M)

225-800-105*

225-700-105

UpBiter (L)

225-800-106

Upbiter (M) Left

225-800-107

225-700-107

Upbiter (M) Right

225-800-109

225-700-109

UpSwept (M)

225-800-111

*most common pattern



Advanced Duckling Low profile jaw
Flat Upper jaw moves completely into the Lower jaw.

DUCKLING BASKET PUNCH

Multi-Purpose, low profile punches with a square bite and 2 different sizes.

Small Duckbill (S)



2.5mm bite

Medium Duckbill (M)*



3.5mm bite



RING HANDLE



PRO HANDLE

Straight (S)	225-800-401	
Straight (M)	225-800-402*	225-700-402
UpBiter (S)	225-800-404	
UpBiter (M)	225-800-405*	225-700-405
UpSwept (M)	225-800-411	
Straight (M) Left	225-800-413	
Straight (M) Right	225-800-415	



Duckling Elevator -
with flat shovel for easy access



RING HANDLE



PRO HANDLE

Straight	225-800-420	225-700-420
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4.4mm bite

OVAL PUNCH

The Oval Punch offers the lowest profile and the largest bite size for end-on as well as lateral cutting – the All-rounder Punch



RING HANDLE



PRO HANDLE

Straight	225-800-202	225-700-202
UpBiter	225-800-205	225-700-205
UpSwept	225-800-211	
Straight Left	225-800-213	
Straight Right	225-800-215	



1.7mm bite

SLIMLINE BASKET PUNCH

The narrow shaft and compact jaw design allows access and use in tight spaces such as the posterior aspect of the knee.



RING HANDLE

Straight	225-800-002
UpBiter	225-800-005
UpBiter Left	225-800-007
UpBiter Right	225-800-009
UpSwept	225-800-011
Jaw 45° Left	225-800-003
Jaw 45° Right	225-800-004



1.3mm bite

**MENISCAL ELEVATOR
BASKET PUNCH**

The low profile extended lip of the lower jaw helps in placing the lower jaw underneath less-mobile menisci



RING HANDLE

Straight	225-800-902
UpBiter	225-800-905



1.7mm bite

**BLUNT NOSE
BASKET PUNCH**

The Blunt Nose Basket Punch with square jaws enables a flush contouring of the meniscus



RING HANDLE

Straight	225-800-302
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2.2mm bite

POSTERIOR PUNCH

Specially designed for the specific requirements of the posterior horn of the meniscus. The short and low profile jaw enables the surgeon working in the cramped confines of the posterior side of the knee.

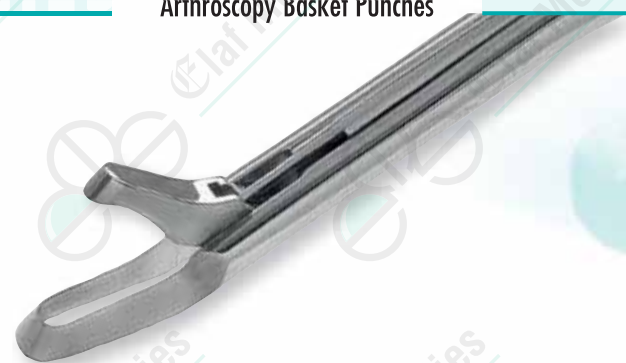


RING HANDLE

Straight	225-800-602
UpBiter	225-800-605
UpSwept	225-800-611
Straight Left	225-800-613
Straight Right	225-800-615

**BASKET PUNCHES**

Basket Punches are the traditional style instruments with a classical punch shape and the parrot peak upper jaw for a safe capture of tissue



STRAIGHT	Cut size	RING HANDLE
1.0mm		225-800-802
1.5mm		225-800-860
2.7mm		225-800-040
3.4mm		225-800-050

CURVED LEFT	Cut size	RING HANDLE
1.3mm		225-800-813
1.3mm		225-800-807 UpBiter

CURVED RIGHT	Cut size	RING HANDLE
1.3mm		225-800-815
1.3mm		225-800-809 UpBiter

UP BITER	Cut size	RING HANDLE
1.3mm		225-800-805
1.5mm		225-800-055

DOWN BITER	Cut size	RING HANDLE
1.3mm		225-800-806

UP SWEPT	Cut size	RING HANDLE
1.3mm		225-800-865
1.5mm		225-800-061





SIDE CUTTER

Left and Right Side Cutter Punches allow easy access to anterior meniscal tears. The special designed Pencil handle makes all Side Cutters „Rotator“ Punches.



PENCIL HANDLE



2.2mm Left	225-800-955
2.2mm Right	225-800-957
3.4mm Left	225-800-965
3.4mm Right	225-800-967

2.2mm bite

3.4mm bite



RING HANDLE



2.2mm Left	225-770-955
2.2mm Right	225-770-957
3.4mm Left	225-770-965
3.4mm Right	225-770-967



■ 2mm bite

BACKBITER

The RZ Backbiter Basket Punches enable a simple access to the anterior horn of the meniscus



RING HANDLE



PRO HANDLE

Left	225-800-707	225-700-707
Right	225-800-709	225-700-709



RONGEUR

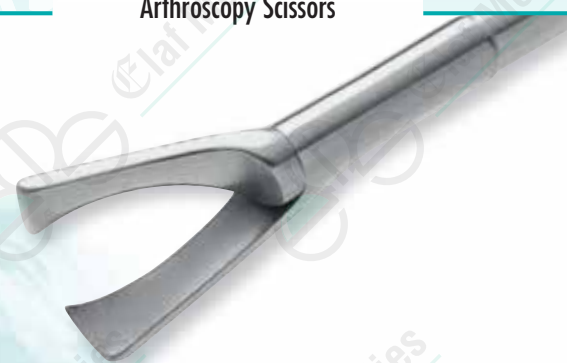
Sharp Cups enable the surgeon to remove tissue and take biopsies



RING HANDLE

Straight	225-800-920
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RZ offers a wide range of **ADVANCE**® scissors and scissor punches in different angles to enable the surgeon to effectively dissect any part of the meniscus from virtually any direction.



20° angled

HOOK SCISSORS



PENCIL HANDLE



RING HANDLE

20° angled Left
20° angled Right

225-800-507
225-800-509

225-770-507
225-770-509



60° angled



PENCIL HANDLE



RING HANDLE

60° angled Left
60° angled Right

225-800-517
225-800-519

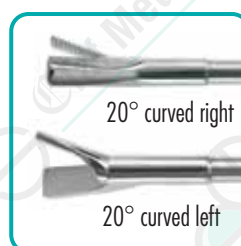
225-770-517
225-770-519



Serrated Scissors



PENCIL HANDLE



20° curved right

20° curved left

Left curved 20°
Right curved 20°

225-800-527
225-800-529



1mm bite

SCISSORS PUNCH



RING HANDLE



PRO HANDLE

Straight	225-800-532
UpBiter	225-800-535
UpBiter Left	225-800-537
UpBiter Right	225-800-539

225-700-532
225-700-535



HOOK SCISSORS



RING HANDLE

Straight	225-800-472
Left	225-800-477
Right	225-800-479

RZ offers a wide selection of specific tip configurations to provide a maximum grasping capability and allow easy access to all areas of the meniscus.

All RZ Graspers come with the infinite-position, **SlideLock handle** for easy and intuitive grasping. The **Pro Handle** comes without locking mechanism.



SHARK GRASPER

With blunt 1x2 teeth and serrated inner jaws



SLIDE LOCK RING HANDLE



PRO HANDLE

Straight

225-800-820

225-700-820



ALLIGATOR GRASPER

Short jaw with multiple serrations



SLIDE LOCK RING HANDLE



PRO HANDLE

Straight 2.7mm

225-800-825

225-700-825

UpSwept 2.7mm

225-800-827

225-700-827

Upbiter 2.7mm

225-800-826

225-700-826



HEAVY ALLIGATOR GRASPER

Long and heavy jaw with multiple serrations



SLIDE LOCK RING HANDLE



PRO HANDLE

Straight

225-800-835

225-700-835



CUPPED GRASPER

Cupped jaw with atraumatic serrations



SLIDE LOCK RING HANDLE



PRO HANDLE

3.3mm jaw

225-800-833

225-700-833

2.7mm jaw

225-800-832



ATRAUMA GRASPER

Cupped jaw with atraumatic serrations



SLIDE LOCK RING HANDLE

Non-Cannulated

225-800-850

With guide for K-wires ø 2mm/0.077"

225-800-855

Meniscus Grasping Forceps 1 x 2 teeth,
total length: 20.0cm



225-360-000
straight



225-360-002
curved Right



225-360-001
curved Left

225-360-100

Meniscus Grasping Forceps, straight, serrated jaws
with 1x2 teeth, 13cm working length, with ratchet



225-360-500

Schlesinger Meniscus Grasping Forceps, serrated jaws
with 1 x 2 teeth, straight, 13cm, with ratchet

225-360-550

without ratchet



225-360-600

Schlesinger Meniscus Grasping Forceps,
serrated jaws, straight, 13cm, with ratchet



225-285-190

Mini Grasping Forceps 1 x 2 teeth,
working length: 13cm



225-360-700

Grasping Forceps with serrated jaws,
11mm jaw length, 110mm working length,
30° upwards curved jaws



225-360-800

Grasping Forceps with sharp jaws,
11mm jaw length, 110mm working length,
30° upwards curved jaws

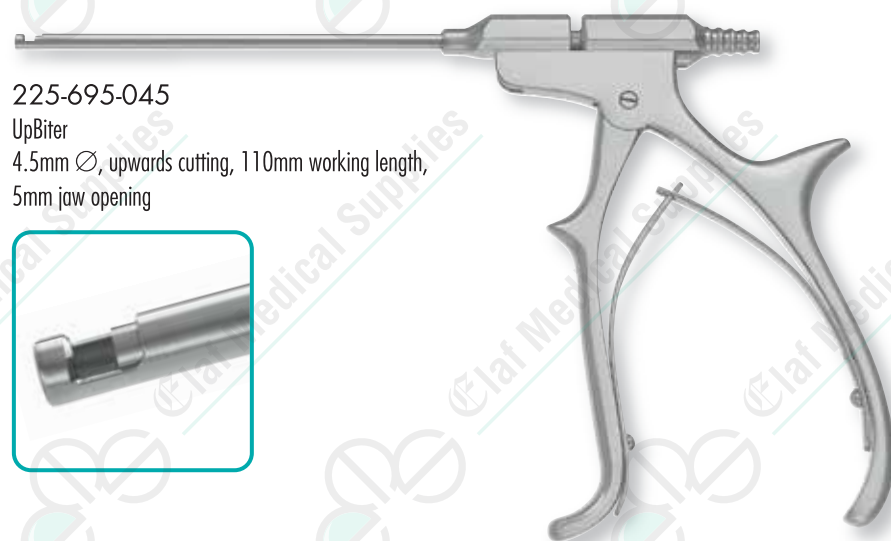


225-360-900

Grasping Forceps with sharp jaws,
5.5mm jaw length, 110mm working length,
30° upwards curved jaws



All RZ **ADVANCE** Suction Punches feature an universal tube connector for simultaneous punching and evacuation of tissue, cartilage or bone parts.



225-695-045

UpBiter

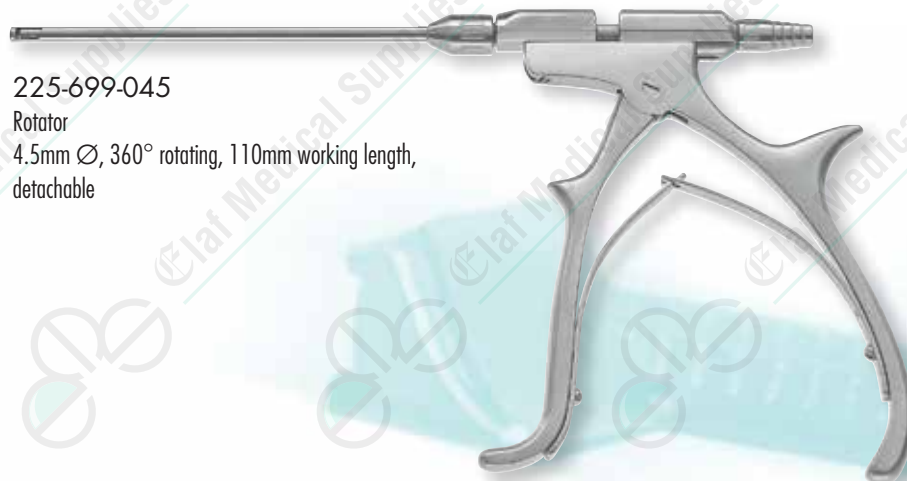
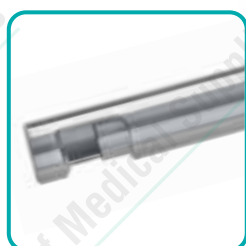
4.5mm Ø, upwards cutting, 110mm working length,
5mm jaw opening



225-696-045

DownBiter

4.5mm Ø downwards cutting, 110mm working length,
5mm jaw opening



225-699-045

Rotator

4.5mm Ø, 360° rotating, 110mm working length,
detachable

225-697-045

Scoop Punch

4.5mm Ø, 110mm working length



225-697-050

Scoop Punch

5.0mm Ø, 110mm working length



225-693-040

Scoop Punch, straight

4.0mm Ø, 110mm working length, with ring handle



225-694-040

Upwards curved



Punches and Scissors

Parrot
Beak TearTransverse
Tear

Flap Tear

Bucket
Handle
TearComplex
TearDiscoid
Meniscus
Degenerative
Tear

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Grasping Forceps

FOR ALL JOINT PARTS	Free Joint parts		Narrow Joint parts		Bucket Handle tear		Biopsy		Bone block at recon- struction of crutiate ligament		Flap tear		Small Joint fragments	
		PAGE		PAGE		PAGE		PAGE		PAGE		PAGE		PAGE
	Shark	19	Cupped, 2.7mm	20	Cupped, 3.4mm	20	Rongeur	16	Shark	19	Cupped, 2.7mm	20	Cupped, 2.7mm	20
			Alligator	19	Cupped, 2.7mm	20								
			Heavy Alligator	20	Shark	19								

Basic Instrument Set Proposals

			PAGE
BASIC EQUIPMENT EACH 1 ITEM	225-400-002	Exploring Probe 2.5mm	31
	225-800-105	Duckbill Basket Punch, UpBiter	10
	225-800-205	Oval Punch, UpBiter	12
	225-800-835	Heavy Alligator Grasper, Straight	20
	225-800-405	Duckling Basket Punch, UpBiter	11
	225-800-055	Basket Punch, 1.5mm UpBiter	14
	225-800-820	Shark Grasper, Straight	19
	225-800-707	Backbiter Left	16
EXTENSION	225-697-050	Scoop suction Punch, 5.0mm Ø	25
	225-800-905	Meniscal Elevator Basket Punch, UpBiter	13
	225-800-107	Duckbill Basket Punch, UpBiter Left	10
	225-800-413	Duckling Basket Punch Straight Left	11

Table shows only a basic Instrument set that can be completed or changed with other Instruments concerning indication of surgery.
Please feel free to ask for combination options.

ArthVANCE® Currettes, Spoons, Rasps, Chondro-Picks and Hook Probe

All ArthVance Instruments feature a carbon fibre handle and special hardened stainless steel working parts for long life-time.

The ergonomic handle design guarantees an easy and well balanced handling of each instrument.

A wide range of different tip designs and different angles give the surgeon full flexibility in Arthroscopic approaches.

Currettes



225-600-511 Oval Curette, Size 1, 10° angled tip, 13cm working length
 225-600-512 Oval Curette, Size 2, 10° angled tip, 13cm working length
 225-600-513 Oval Curette, Size 3, 10° angled tip, 13cm working length

225-600-531 Oval Curette, Size 1, 30° angled tip, 13cm working length
 225-600-532 Oval Curette, Size 2, 30° angled tip, 13cm working length
 225-600-533 Oval Curette, Size 3, 30° angled tip, 13cm working length



Two-sided Currettes (both sides sharp)

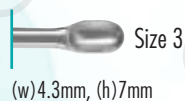
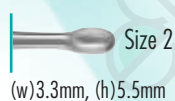
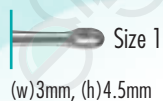


225-600-521 Two-sided Curette, Size 1, 20° angled tip, 13cm working length
 225-600-523 Two-sided Curette, Size 3, 20° angled tip, 13cm working length

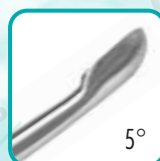
225-600-541 Two-sided Curette, Size 1, 30° angled tip, 13cm working length
 225-600-543 Two-sided Curette, Size 3, 30° angled tip, 13cm working length



Spoons



- 225-600-401 Spoon Size 1, 5° angled tip, 13 cm working length
 225-600-402 Spoon Size 2, 5° angled tip, 13 cm working length
 225-600-403 Spoon Size 3, 5° angled tip, 13 cm working length



- 225-600-411 Spoon Size 1, 25° angled tip, 13 cm working length
 225-600-412 Spoon Size 2, 25° angled tip, 13 cm working length
 225-600-413 Spoon Size 3, 25° angled tip, 13 cm working length



Rasps



- 225-600-610 Small Rasp, straight tip, fine serration, 13 cm working length
 225-600-611 Small Rasp, curved tip, fine serration, 13 cm working length
 225-600-612 Small Rasp, straight tip, coarse serration, 13 cm working length
 225-600-613 Small Rasp, curved tip, coarse serration, 13 cm working length



- 225-600-614 Large Rasp, straight tip, fine serration, 13 cm working length
 225-600-615 Large Rasp, curved tip, fine serration, 13 cm working length
 225-600-616 Large Rasp, straight tip, coarse serration, 13 cm working length
 225-600-617 Large Rasp, curved tip, coarse serration, 13 cm working length



Hook Probe



225-600-004 Hook Probe



Micro Fracture Chondro-Picks

RZ Medizintechnik GmbH offers a complete set of Micro Fracture Chondro-Picks for treatment of cartilage defects on large and medium joints.

All instruments feature an ergonomic carbon fibre handle with integrated impact protection for use with the specially designed mallet.

5 different tip angles give the surgeon full flexibility in Micro Fracture approaches.

Special hardened stainless steel ensures a long life-time of each Pick.



225-600-200
Chondro-Pick straight



225-600-225
Chondro-Pick 25° angled tip



225-600-240
Chondro-Pick 40° angled tip



225-600-260
Chondro-Pick 60° angled tip



225-600-290
Chondro-Pick
90° angled tip



Special hardened stainless
steel for reliable working



Integrated Impact protection



225-600-300
Mallet for Chondro-Picks

Hand Instruments with solid triangular handle



225-400-002
Exploring Probe 2.5mm



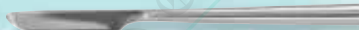
225-400-025
Rosen Knife, toothed blade



225-400-004
Exploring Probe 3.5mm



225-400-034
Scalpel Knife



225-400-006
3mm Spoon, angled tip



225-400-029
Banana Knife



225-400-020
Smilie Menisctome, 3mm wide,
straight cutting edge



225-400-038
Hook Knife, reverse cutting



225-400-022
Smilie Menisctotme, 5mm wide,
straight cutting edge



225-400-041
Retrograde Knife, 45° angled blade



225-400-023
Smilie Menisctome 7mm wide,
curved cutting edge





Monopolar Arthroscopy Electrodes, reusable, autoclavable 134°C, insulated, 4.0mm and 2.4mm plug, working length 115mm

4mm
e.g. ERBE,
Berchtold, Bowa
compatible



2.4mm
International
e. g. Arthrex, Linvatec
compatible



	225-700-001		225-710-001		Needle Electrode, tip 90° angled, 1.5mm long x 0.6mm ø
	225-700-002		225-710-002		Needle Electrode, tip 90° angled, 4.0mm long x 0.6mm ø
	225-700-003		225-710-003		Monopolar Arthroscopy Knife Electrode, 45° angled, cranked
	225-700-005		225-710-005		Palpation Electrode, tip 90° angled, 4.0mm long x 1.5mm ø
	225-700-006		225-710-006		Ball Electrode, 3.0mm ø
	225-700-007		225-710-007		Hollow Ball Electrode, 2.4mm ø
	225-700-008		225-710-008		Brush Electrode, 2.4mm ø
	225-700-009		225-710-009		Brush Electrode, 2.4mm ø
	225-700-020		225-710-020		Brush Electrode, 2.4mm ø, 165mm working length



700-214-040
Handle with 2 buttons for 4.0mm ø electrodes with firm 4m cable

700-214-024
Handle with 2 buttons for 2.4mm ø electrodes with firm 4m cable





Monopolar Arthroscopy Electrodes, reusable, autoclavable 134°C, 4.0mm plug, insulated and handle



225-720-001 | Needle Electrode, 1.5mm x 0.6mm, 90°



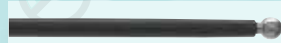
225-720-002 | Needle Electrode, 4mm x 0.6mm, 90°



225-720-003 | Monopolar Arthroscopy Knife Electrode, 45° angled, cranked



225-720-005 | Monopolar Arthroscopy Palpation Electrode, tip 90° angled



225-720-006 | Ball Electrode, 3.0mm ø



225-720-007 | Hollow Ball Electrode, 2.4mm ø



225-720-008 | Flat Electrode, 2.4mm ø



225-720-009 | Brush Electrode, 2.4mm ø

MONOPOLAR CABLES



1 banana pin 4mm



Martin, Berchtold,
Aesculap GK55 + sGK60



Erbe



Valleylab, Lamidey, EMC



round-plug 4mm (instrument side)

3m	700-280-030	700-285-030	700-101-030	700-360-031
5m	700-280-050	700-285-050	700-101-050	700-360-051



Bipolar Arthroscopy Electrodes, reusable, autoclavable 134°C



16mm Handle width
170mm
working length



12mm Handle width
115mm
working length



225-730-300 | 225-700-300 | Bipolar Vapor Electrode with ceramic tip



225-730-400 | 225-700-400 | Bipolar Hook Electrode, tip ø 0.6mm, 90° angled



225-730-500 | 225-700-500 | Bipolar Hook Electrode, tip ø 1.5mm, 90° angled



225-730-600 | 225-700-600 | Bipolar Loop Electrode "Active Loop"



225-730-700 | 225-700-700 | Bipolar Vapor Electrode, tip ø 2.4mm, 70° angled

| 225-700-701 | Bipolar Vapor Electrode, tip ø 2.4mm, 90° angled



225-730-800 Bipolar Electrode for efficient removal of cartilage tissue, 22.5cm working length, flat plug



BIPOLAR CABLES



2-banana-pin *



Erbe



Martin, Berchtold,
Aesculap GK55 + sGK60



Valleylab, Lamikey, EMC



3m	700-350-030	700-101-001	700-287-030	700-351-031
5m	700-350-050	700-101-000	700-287-050	700-351-051
3m	700-350-130	700-101-130	700-287-130	700-351-131
5m	700-350-150	700-101-150	700-287-150	700-351-151

* Not available with CE marking within Europe



225-900-008

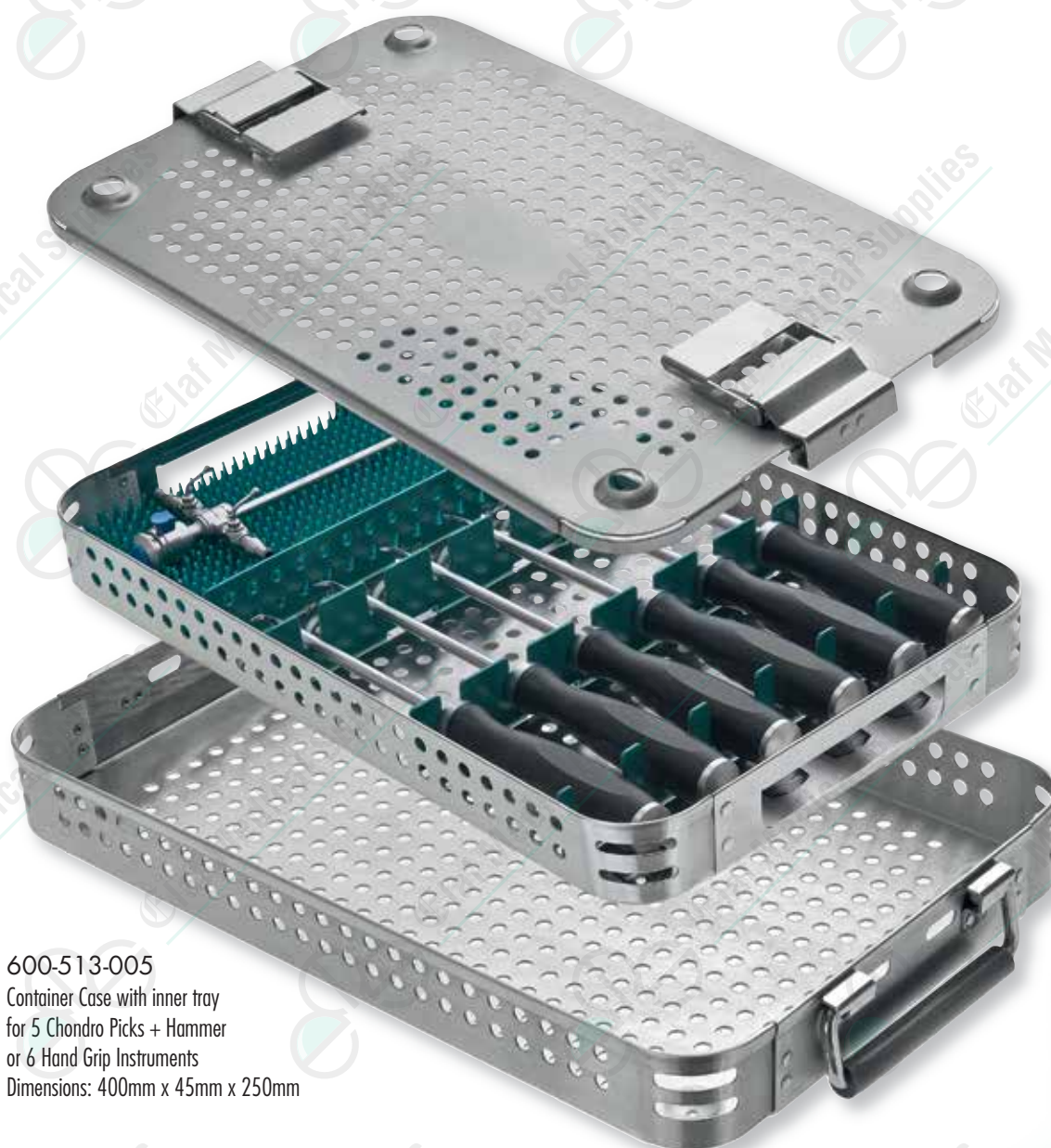
Deluxe Arthroscopic Legholder System
for legs up to Ø 89cm, 35"
Including 3 Disposable Pads

- Smooth uni-directional locking mechanism for rigid fixation with one hand operation
- Structurally enhanced design
- Medial and lateral pressure applicable
- For legs up to Ø 89cm, 35"
- Supports patients up to 227kg, 500lbs.



225-900-011

Leg Holder Disposable Pad
12 pcs.



600-513-005

Container Case with inner tray
for 5 Chondro Picks + Hammer
or 6 Hand Grip Instruments
Dimensions: 400mm x 45mm x 250mm

This **ArthVANCE** container is specially designed to organise your complete set of chondro picks including hammer or six pieces of RZ Handgrip Instruments of any kind.

The attached silicone mat offers extra space for additional items such as arthroscopic sheath or similar parts.

The **ArthVANCE** container consists of 3 parts - bottom, detachable tray with instrument holders and silicone mat with lid.

Chondro Picks are shown on page 30

ArthVIEW® Telescopes for large joint, 4.0mm, 175mm length

Colour coded rings identify the „direction of view“

Removable eyepiece for C-mount connection or RZ QuickSnap locking

3-step light post adaptors to connect the most common light cables directly to the endoscope

Sapphire glasses ensure highest stability against damages on the lens system

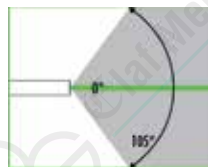
Optimised glass fibre arrangements ensure an uniform image brightness of highest quality

Full HD high definition pictures with increased detail-resolution through newest CAD-designed rod-lens systems

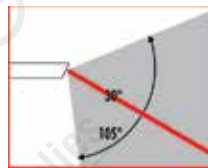
Fully Autoclavable at 134°C and 2.3bar

FULL HD

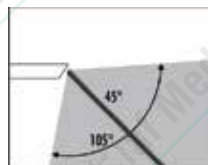
0° 30° 45° 70°



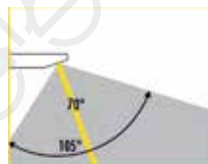
| 225-140-000 ArthVIEW telescope 0° direction of view, 4.0mm diameter, 175mm length



| 225-140-030 Same, 30° direction of view



| 225-140-045 Same, 45° direction of view



| 225-140-070 Same, 70° direction of view

ArthFLOW® Sheath System

All RZ ArthFLOW Arthroscope sheaths feature:

360° rotating stopcocks – easy handling of suction/irrigation tubes

Complete stainless steel – easy to clean, maximum infection control

Colour coded for easy identification of diameters – easy to find in the Arthroscope set

Telescope stabilizing system – less damages on telescopes

For use with RZ 0°, 30°, 45° and 70° telescopes

For use in large joints and with 4.0mm, 175mm long ArthVIEW telescopes



Rotating Telescope
locking



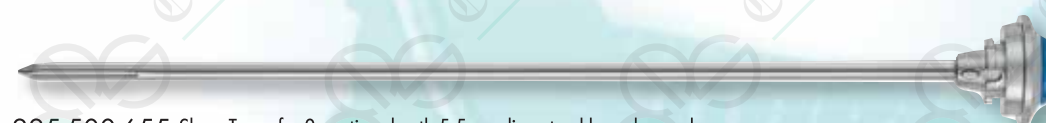
225-500-255 Operating sheath with 2 stopcocks, 5.5mm diameter, blue colour code



225-500-155 Same, with 1 stopcock



225-500-555 Blunt Obturator for Operating sheath 5.5mm diameter, blue colour code



225-500-655 Sharp Trocar for Operating sheath 5.5mm diameter, blue colour code



225-500-260 HighFlow Operating sheath with round perforation,
with 2 stopcocks, 6.0mm diameter, red colour code



225-500-160 Same, with 1 stopcock



225-500-560 Blunt Obturator for HighFlow Operating sheath, 6.0mm diameter,
red colour code



225-500-660 Sharp Trocar for HighFlow Operating sheath, 6.0mm diameter,
red colour code



225-500-265 HighFlow Operating sheath with large suction/irrigation perforation,
with 2 stopcocks, 6.5mm diameter, yellow colour code



225-500-565 Blunt Obturator for HighFlow Operating sheath, 6.5mm diameter,
yellow colour code



225-500-665 Sharp Trocar for HighFlow Operating sheath, 6.5mm diameter,
yellow colour code

ArthFLOW® Sheath System with Quick-Lock



Quick-lock Telescope locking

225-550-255 Operating sheath with 2 stopcocks, 5.5mm diameter, blue colour code

225-550-155 Same, with 1 stopcock

225-550-555 Blunt Obturator for Operating sheath 5.5mm diameter, blue colour code

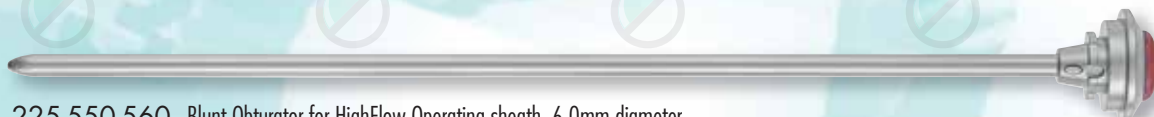
225-550-655 Sharp Trocar for Operating sheath 5.5mm diameter, blue colour code



225-550-260 HighFlow Operating sheath with round perforation, with 2 stopcocks, 6.0mm diameter, red colour code



225-550-160 Same, with 1 stopcock



225-550-560 Blunt Obturator for HighFlow Operating sheath, 6.0mm diameter, red colour code



225-550-660 Sharp Trocar for HighFlow Operating sheath, 6.0mm diameter, red colour code



225-550-265 HighFlow Operating sheath with large suction/irrigation perforation, with 2 stopcocks, 6.5mm diameter, yellow colour code



225-550-565 Blunt Obturator for HighFlow Operating sheath, 6.5mm diameter, yellow colour code



225-550-665 Sharp Trocar for HighFlow Operating sheath, 6.5mm diameter, yellow colour code



ArthFLOW® Sheath System 270mm working length

All RZ ArthFLOW Arthroscope sheaths feature:

360° rotating stopcocks – easy handling of suction/irrigation tubes

Complete stainless steel – easy to clean, maximum infection control

Colour coded for easy identification of diameters – easy to find in the Arthroscope set

Telescope stabilizing system – less damages on telescopes

For use with RZ 0°, 30°, 45° and 70° telescopes



Rotating Telescope
locking





Suction- and Irrigation System



Modular Multifunctional Arthroscopic Suction- and Irrigation System with pistol handle.

Features:

- maintenance-free 2-way-valve for irrigation and aspiration
- rotating shaft with 4 lateral holes at the distal end
- quick dismateling/reassembling for cleaning procedures

For telescopes, 175mm working length $\varnothing$ 4.0mm

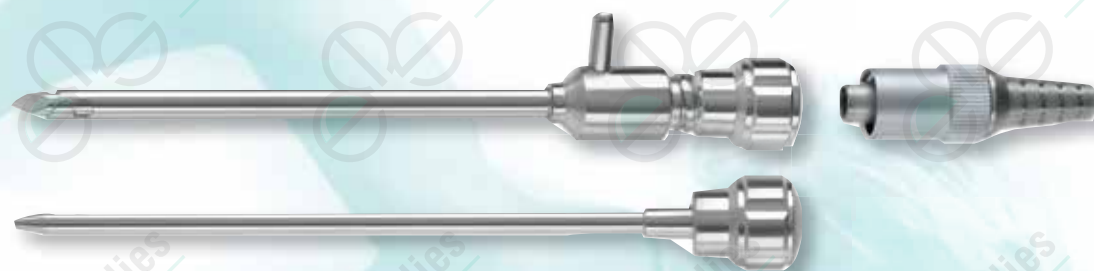
	Size	for telescopes with viewing angle
225-255-004	4.0mm	0° - 30°
225-256-004	4.0mm	70°



Sharp trocar with pyramidal tip
225-255-104 $\varnothing$ 4.0mm



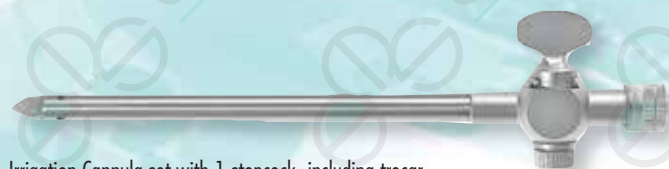
Blunt obturator
225-257-104 $\varnothing$ 4.0mm



225-850-145

Inflow-Cannula 4.5mm, complete set with shaft, trocar with sharp tip, blunt obturator and irrigation adaptor

Accessories for Suction- and Irrigation System



Irrigation Cannula set with 1 stopcock, including trocar and obturator

225-850-000 Ø 2.3mm

225-850-001 Ø 3.5mm



300-01 1-181

LuerLock tube connector 9mm



Obturator, blunt

225-850-002 Ø 2.3mm

225-850-004 Ø 3.5mm



300-01 1-506

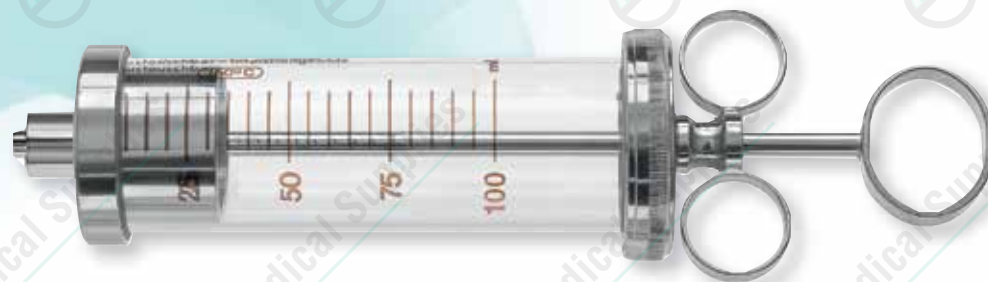
LuerLock tube connector 6mm



Obturator, sharp, 70mm working length

225-850-003 Ø 2.3mm

225-850-005 Ø 3.5mm



225-852-000

Irrigation syringe, 100ml



Guiding and changing rods for use with trocar sheath

225-865-027 Ø 2.7mm x 230mm

225-865-030 Ø 3.5mm x 230mm

225-865-040 Ø 4.0mm x 230mm

ArthVANCE® Punches and Graspers, 220mm working length



cut size

SLIMLINE BASKET PUNCH

220mm working length

The narrow shaft and compact jaw design allows access and use in tight spaces



RING HANDLE

Straight	225-830-002
UpBiter	225-830-005

Jaw 45° Left	225-830-003
Jaw 45° Right	225-830-004



cut size

DUCKLING BASKET PUNCH

220mm working length

Advanced Duckling Low profile jaw
Flat Upper jaw moves completely into the Lower jaw.



RING HANDLE

Straight (Medium)	225-830-402
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UpBiter (Medium)	225-830-405
UpSwept (Medium)	225-830-411





cut size

BACKBITER
220mm working length



RING HANDLE

Left	225-830-707
Right	225-830-709



220mm working length



RING HANDLE

■ cut size 2.2mm

■ cut size 3.4mm

2.2mm Left	225-830-955
2.2mm Right	225-830-957
3.4mm Left	225-830-965
3.4mm Right	225-830-967



RZ offers a wide selection of specific tip configurations to provide a maximum grasping capability. All RZ Graspers come with the infinite-position, **SlideLock handle** for easy and intuitive grasping.



SHARK GRASPER
220mm working length

With blunt 1x2 teeth and
serrated inner jaws



SLIDE LOCK RING HANDLE

Straight

225-830-820



HEAVY ALLIGATOR GRASPER
220mm working length

Long and heavy jaw with
multiple serrations



SLIDE LOCK RING HANDLE

Straight

225-830-835





CUPPED GRASPER
220mm working length
Cupped jaw with atraumatic serrations



SLIDE LOCK RING HANDLE

3.3mm jaw

225-830-833



RONGEUR
220mm working length
Sharp Cups enable the surgeon to remove
tissue and take biopsies



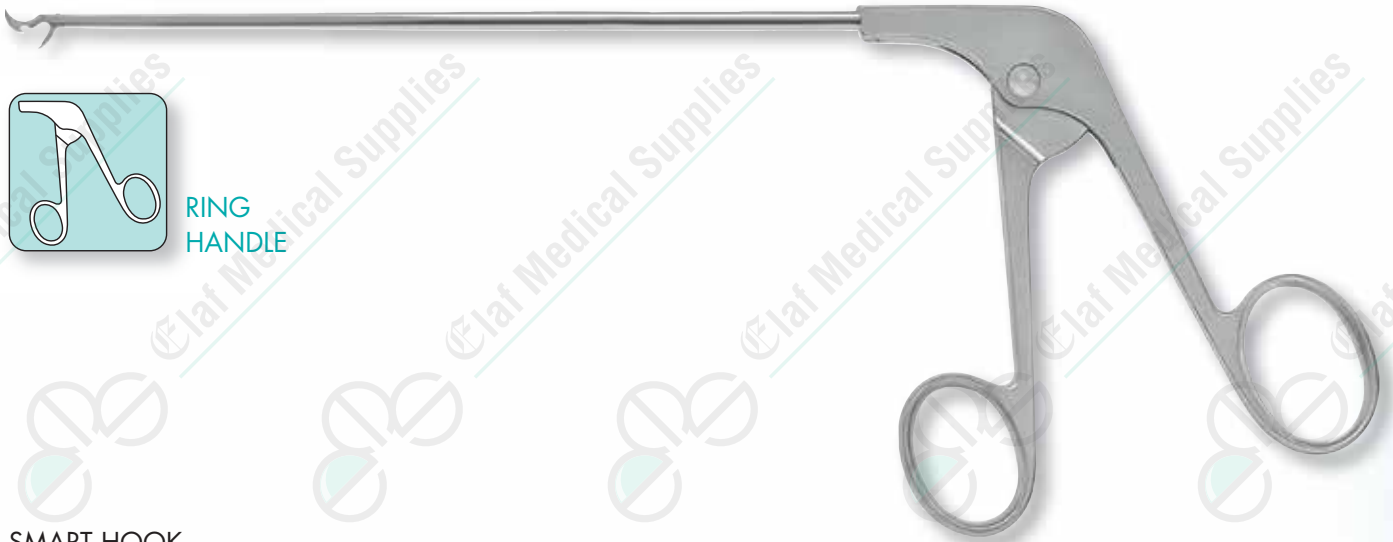
RING HANDLE

Straight

225-830-920



RZ ArthVANCE suture instruments offer the latest technology for arthroscopic shoulder surgery: For a perfect Rotator Cuff Repair, the SMART HOOK gives best support; labral repair & capsule shift will be assisted by the SIXER who makes suture placement easy at the 6 o'clock position. The BIRDY will support you best possible for SLAP repair, labral repair and for rotator cuff repair.

RING
HANDLE

SMART HOOK

curved
left

225-820-307

curved
right

225-820-309

twisted
left

225-820-306

twisted
right

225-820-308

SIXER

BIRDY



straight



225-820-400



20° upwards
angled



225-820-402



40° upwards
angled



225-820-404



45° right
bended



225-820-406



45° left
bended



225-820-408

ArthVANCE® Suture Cutter



225-820-100
Suture Cutter with V-notch for pushing
and cutting the knot



Kölbel Skin and Tissue Spreader with blunt tips

259-257-016

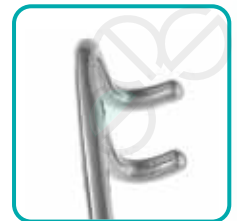
Straight shaft, 1x1 teeth

259-257-009

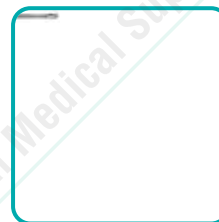
Angled shaft, 1x1 teeth

259-257-006

Angled shaft, 2x2 teeth



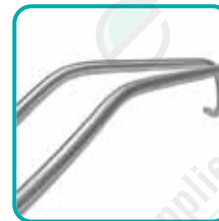
2x2 teeth



straight shaft



1x1 teeth



angled shaft



259-257-007 Kölbel Capsule Retractor, blunt tips, 90° curved, 1 x 1 teeth

Kölbel Self-Retaining Retractor Set with interchangeable Blades

259-257-002

Self-Retaining Retractor, slightly angled, 20cm, 8"
for use with adaptable blades that can be
selected from below.



Single blade

259-257-003	36 x 36 mm
259-257-004	53 x 36 mm
259-257-005	68 x 36 mm
259-257-013	36 x 20 mm
259-257-014	53 x 20 mm
259-257-015	68 x 20 mm



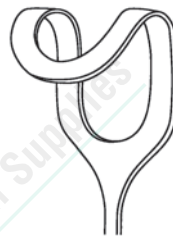
Middelдорpf Retractor
Handle Fig. 1
170-363-00X



170-363-001
170-325-001
21.5mm, 8¹/₂"
14x17mm



170-363-002
170-325-002
22mm, 8⁵/₈"
20x22mm



170-363-003
170-325-003
23.5mm, 9¹/₄"
26x30mm



Middelдорpf Retractor
Handle Fig. 2
170-325-00X



Richardson (Kelly) Retractor
24cm, 9½"



170-383-001
28x20mm



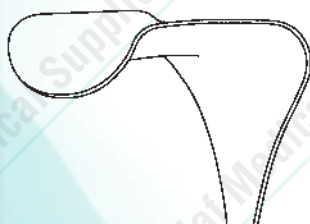
170-383-002
36x28mm



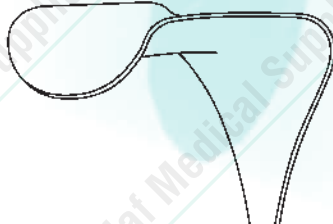
170-383-003
44x38mm



170-383-004
52x22mm



170-383-005
65x50mm



170-383-006
70x65mm

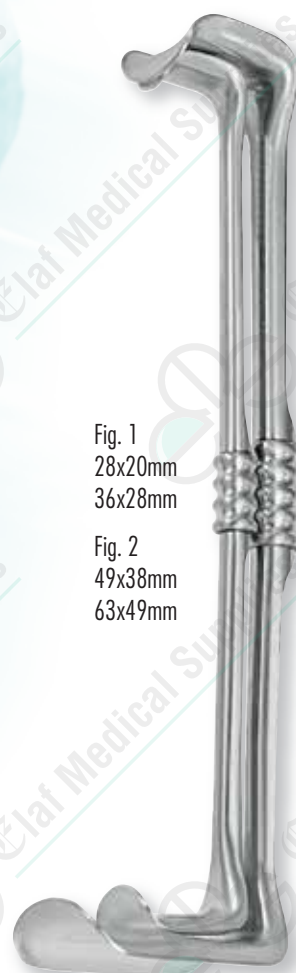


Fig. 1
28x20mm
36x28mm

Fig. 2
49x38mm
63x49mm

170-381-000
Richardson-Eastman Retractor
(Fig. 1 + 2)

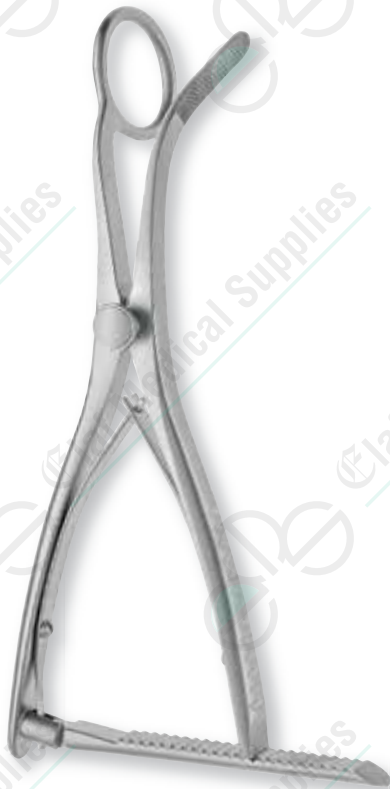
170-381-001
Fig. 1
26cm, 10¼"

170-381-002
Fig. 2
28cm, 11"



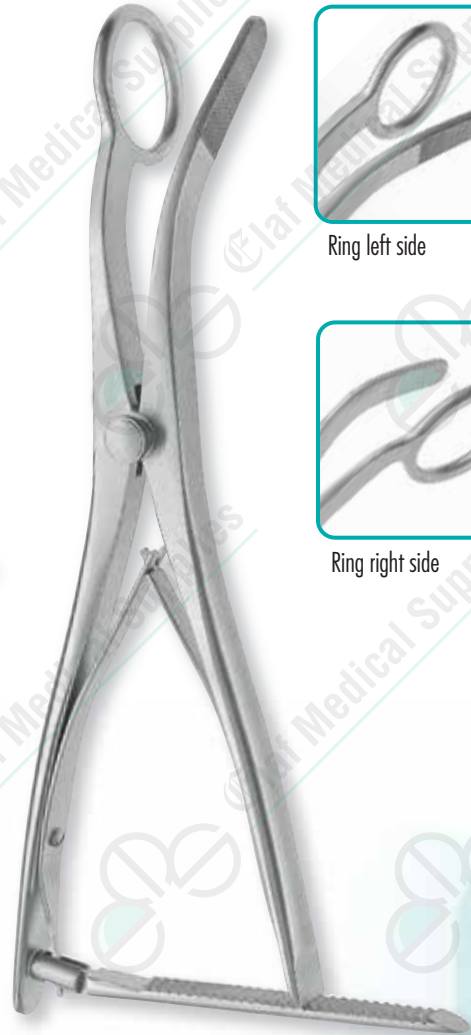
250-975-170
Inge lamina spreader, with teeth,
16.5cm, 6 1/2"

250-975-230
With teeth, 24cm, 9 1/2"



210-905-190
Bankhart Rotator Retractor,
19.0cm, ring left side

210-907-190
Bankhart Rotator Retractor,
19.0cm, ring right side



Ring left side



Ring right side

210-905-250
Bankhart Rotator Retractor,
25.0cm, ring left side

210-907-250
Bankhart Rotator Retractor,
25.0cm, ring right side



259-901-180
Fukuda Retraktor, small, 18cm, 7"
32mm blade



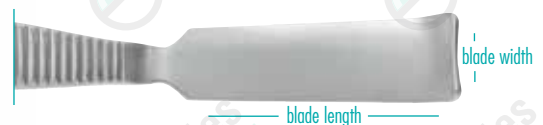
259-902-180
Fukuda Retraktor, large, 18cm, 7"
38mm blade



259-900-225
Fukuda-Kujat Retraktor, small,
22.5cm, 8³/₄", 30mm blade



259-903-225
Fukuda-Kujat Retraktor, large,
22.5cm, 8³/₄", 35mm blade



Cloward Retractor Blade, 18cm, 7" overall length

259-260-001
70mm x 13mm blade

259-260-002
75mm x 18mm blade

259-260-003
75mm x 20mm blade

259-260-004
75mm x 23mm blade



Darrach Shoulder Elevator

259-260-009
9mm wide, 26.0cm,
10 1/4" overall length

259-260-012
12mm wide, 26.0cm,
10 1/4" overall length

259-260-016
16mm wide, 26.0cm,
10 1/4" overall length

259-260-020
20mm wide, 26.0cm,
10 1/4" overall length

259-260-025
25mm wide, 36.0cm,
14 1/8" overall length



Hook end

Kölbel Shoulder Elevator,
2 sharp prongs

210-537-281
15mm wide tip

210-537-282
20mm wide tip

210-537-283
15mm wide tip, with hook end

210-537-284
20mm wide tip, with hook end



smooth end

Kölbel Shoulder Elevator,
2 sharp prongs

210-537-285
18mm wide tip, slightly curved



259-258-422

Thin Glenoud Neck Retractor,
wide, 22mm wide tip,
28cm, 11" overall length



259-258-414
Thin Glenoid Neck Retractor,
Narrow, 14mm wide tip,
28cm, 11" overall length



Capsule Retractor for use in Bankhart
surgery, 25cm, 10" overall length

259-258-251

1 Prong

259-258-252

2 Prongs

259-258-253

3 Prongs



1 Prong



2 Prongs



3 Prongs



259-254-020
Bristow Bankart Capsule Retractor
with 2 teeth, 20mm, 10"



259-253-180
Bristow Bankart
Soft tissue retractor,
19cm, 7 1/2"
with 3 blunt prongs,
21mm blade width



259-258-100
Anterior Glenoid Neck Retractor,
25mm wide tip, 28cm,
11" overall length



259-258-150
Agrawal Talon Retractor,
40.7mm wide tip, 20cm,
8" overall length



259-258-200
Posterior Glenoid Neck Retractor,
30mm wide blade, 25cm,
10" overall length



259-258-400
Goldstein Glenoid Neck Retractor,
18mm wide tip at teeth,
21.5cm, 8 ½" overall length



259-258-600
Bhattman Humeral Head Retractor,
36mm wide blade, 25.5cm,
10" overall length



259-258-700
Skid Bone Elevator,
double ended, 28cm,
11" overall length



259-258-500
Humeral Head Retractor,
18cm, 7" overall length



259-258-550
Humeral Head Retractor, 19cm,
7 1/2" overall length



259-252-180
Bristow Bankart Humerus Retractor, 25x102mm,
2 blunt prongs, with Hollow handle



259-258-270
Browne Deltoid Retractor,
27cm, 10 1/2" overall length,
60x65mm blade



259-258-300
Deltoid Retractor, 30mm wide head,
20cm, 8" overall length



259-258-316
Chandler Tissue Retractor,
16mm wide tip,
23cm, 9 1/8" overall length

259-258-319
19mm wide tip

259-258-325
25mm wide tip



259-258-148
Percussion Awl with pyramidal tip,
21.5cm, 8 3/4" overall length



259-258-145
Large Awl with pyramidal tip,
23.5cm, 9 1/4" overall length

259-258-144
Small Awl with pyramidal tip,
23.5cm, 9 1/4" overall length



Pyramidal tip



Crocheted Hook



259-258-146
Large Crocheted Hook Awl,
23.5cm, 9 1/4" overall length

259-258-147
Small Crocheted Hook Awl,
23.5cm, 9 1/4" overall length



210-130-000

210-130-001
Spare Screw



210-130-005
5mm, 8.5cm, 3 1/4"



210-130-010
10mm, 8.5cm, 3 1/4"



210-130-016
16mm, 8.5cm, 3 1/4"



210-130-025
25mm, 8.5cm, 3 1/4"



Chisel blades



210-130-105
5mm, 8.5cm, 3 1/4"



210-130-110
10mm, 8.5cm, 3 1/4"



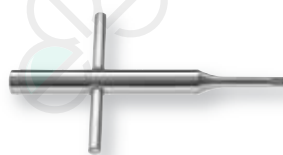
210-130-116
16mm, 8.5cm, 3 1/4"



210-130-125
25mm, 8.5cm, 3 1/4"



Osteotome blades



210-130-500
9cm, 3 1/2"
Wrench



13,5cm, 5 3/8"

210-130-050
r=50mm

210-130-060
r=60mm

210-130-070
r=70mm

Gouge blades

210-130-100 Set consisting of:

Chisel: 210-130-000

3 interchangeable blades: 210-130-010 (10mm)

210-130-016 (16mm)

210-130-025 (25mm)

including hexagonal key: 210-130-500



Mallet with lead filling and
teflon handle, 260mm, 10¹/₄"

210-260-150

150g, Ø 35mm

210-260-240

240g, Ø 45mm

210-260-330

330g, Ø 50mm



Lightly curved



Strongly curved

259-900-000

Bankart Perforating Forceps,
17cm, 6 ¾", lightly curved

259-900-001

Strongly curved



210-900-185
Ruskin-Liston Bone Cutting Forceps,
straight, 18.5cm, 7¹/₃"



210-901-185
Ruskin-Liston Bone Cutting Forceps,
curved, 18.5cm, 7¹/₃"



210-880-175
McIndoe Bone cutting forceps,
15 mm wide, 17.5 cm, 7", straight



210-801-180
Ruskin Bone Rongeur Forceps,
5mm, curved, 18.0 cm, 7"



210-780-200
Marquard Bone Rongeur,
curved, 20cm, 7^{3/4}"



259-255-180
Kölbel Bone Rongeur,
strong curved, double action,
18.0cm, 7", 2.5mm to 5.0mm jaw



210-790-180
Beyer bone rongeur, 4mm
18.0 cm, 7", curved,
double action



210-791-180
Zaufel-Jansen Bone Rongeur
18.0 cm, 7", curved,
double action pattern



120-511-180
Metzenbaum Scissors
curved, TC, 17.5cm, 7"

120-511-200
20.3cm, 8"

120-511-230
23cm, 9"



121-111-180
Metzenbaum Scissors Supercut
18cm, 7"

121-111-200
20.3cm, 8"

121-111-230
23cm, 9"



180-550-160
Mayo Hegar needle holder
16.0 cm, 6 1/4"

180-550-180
18cm, 7"

180-550-200
20.3cm, 8"

180-550-240
24cm, 9 1/2"



180-547-200
Heaney needle holder TC
20cm, 8", curved

180-547-240
24cm, 9 1/4"



180-548-180
De Bakkey needle holder TC
18cm, 7", straight

180-548-200
20cm, 8"

180-548-230
23cm, 9"

180-548-260
26cm, 10¹/₄"

180-548-310
31cm, 12¹/₄"

180-548-370
37cm, 14¹/₂"



130-143-180
Bonney Tissue Forceps
18cm, 7", 1x2 teeth



130-130-145
Lane Tissue Forceps
14.5cm, 5³/₄", 1x2 teeth



130-131-200
Lane Tissue Forceps
20cm, 8", 2x3 teeth

ArthVANCE® Small Joint Instruments for use in Wrist and Ankle Arthroscopy

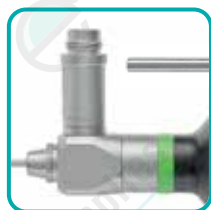
The Small Joint High Definition Arthroscopes offer a large and brilliant picture for best diagnostic results.

The sturdy design of the 1.9 - 2.7mm Telescopes and use with the suitable sheaths ensure a long life-time of these Quality products.

Fine jaws, shorter shafts and ergonomic handles make the ArthVANCE® Mini Punches, Scissors, Graspers and Rongeur a unique Small Joint Instrument Set.



ArthVIEW® 0°, 30° Mini Telescope and ArthFLOW® Sheath System



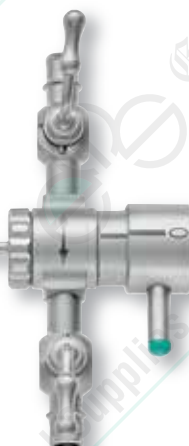
225-019-000 ArthVIEW Mini Arthroscope 0°
1.9mm, 69mm working length
125mm overall length



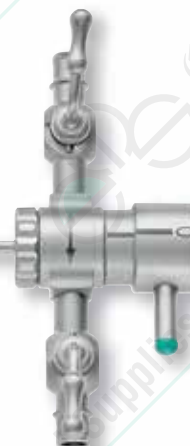
225-019-030 ArthVIEW Mini Arthroscope 30°
1.9mm, 69mm working length
125mm overall length



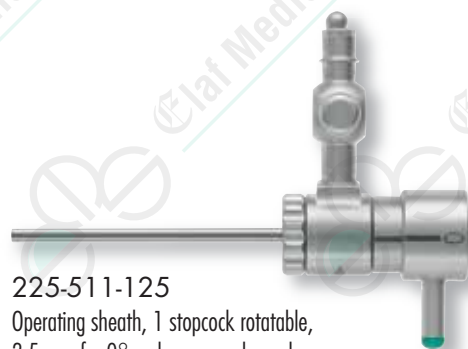
225-511-225
Operating sheath 2 stopcocks,
rotatable, 2.5mm, for
0° endoscope, color code: green



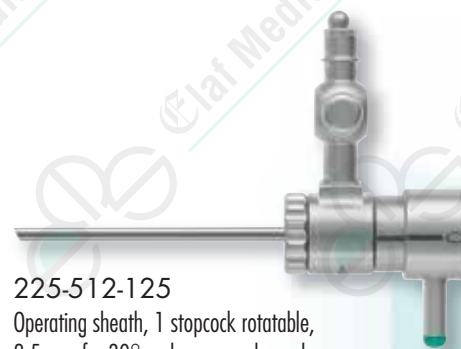
225-512-225
Operating sheath 2 stopcocks,
rotatable, 2.5mm, for
30° endoscope, color code: green



1.9mm



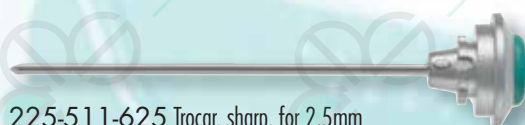
225-511-125
Operating sheath, 1 stopcock rotatable,
2.5mm, for 0° endoscope, color code: green



225-512-125
Operating sheath, 1 stopcock rotatable,
2.5mm, for 30° endoscope, color code: green



225-511-525 Obturator blunt, for 2.5mm operating
sheath, color code: green



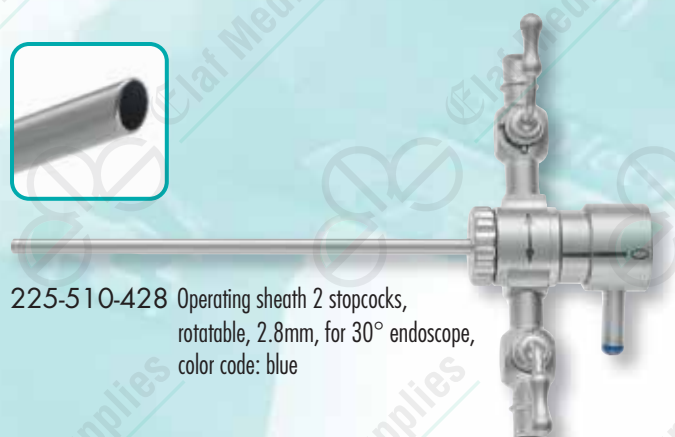
225-511-625 Trocar, sharp, for 2.5mm
operating sheath, color code: green



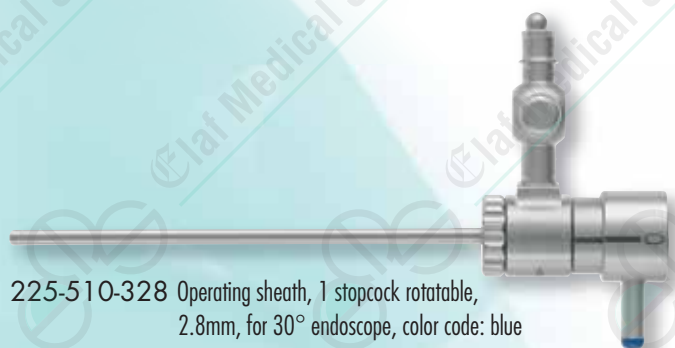
ArthVIEW® 30° Mini Telescope and ArthFLOW® Sheath System



225-019-130 ArthVIEW Mini Arthroscope 30°
1.9mm, 102mm working length
155mm overall length



225-510-428 Operating sheath 2 stopcocks,
rotatable, 2.8mm, for 30° endoscope,
color code: blue



225-510-328 Operating sheath, 1 stopcock rotatable,
2.8mm, for 30° endoscope, color code: blue

1.9mm



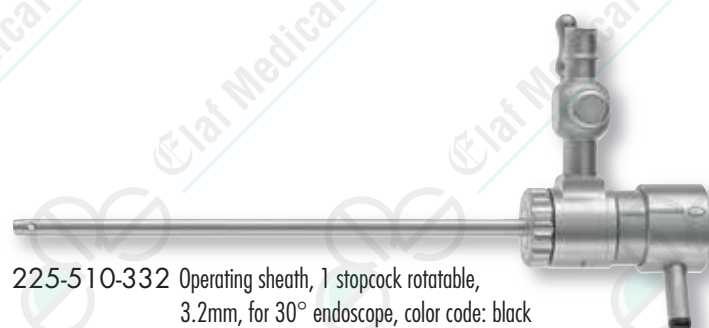
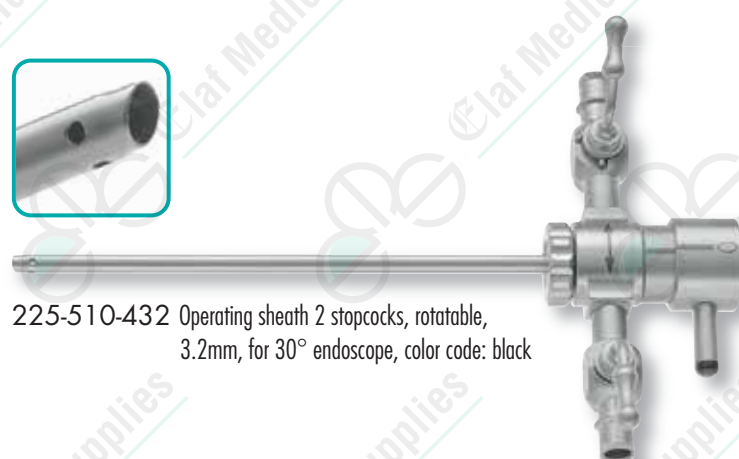
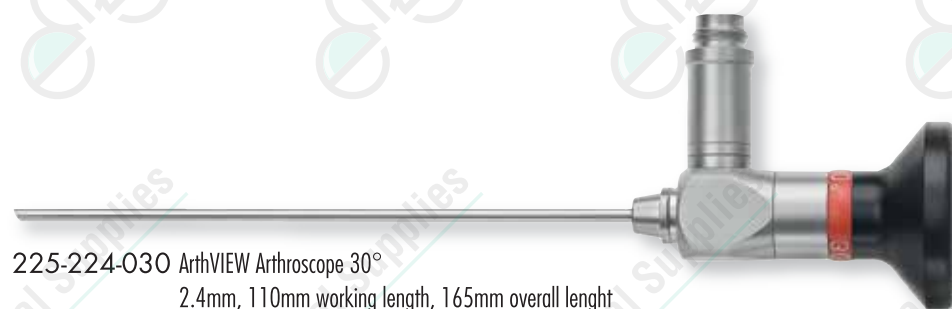
225-510-528 Obturator blunt, for 2.8mm operating
sheath, color code: blue



225-510-628 Trocar, sharp, for 2.8mm
operating sheath, color code: blue



ArthVIEW® 30° Telescope and ArthFLOW® Sheath System

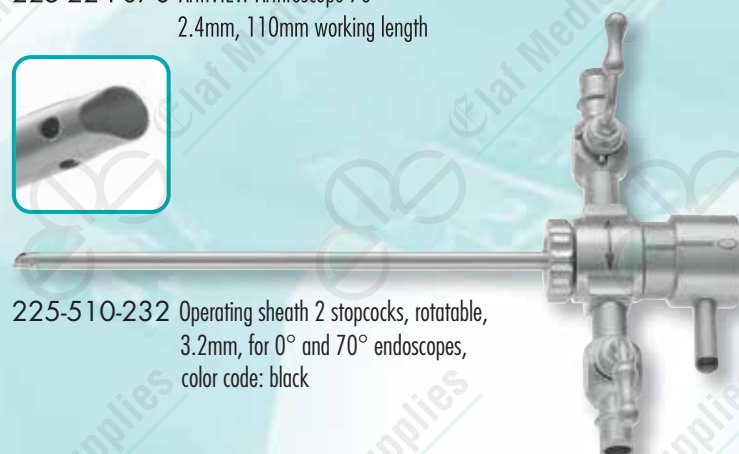


ArthVIEW® 0°, 70° Telescope and ArthFLOW® Sheath System

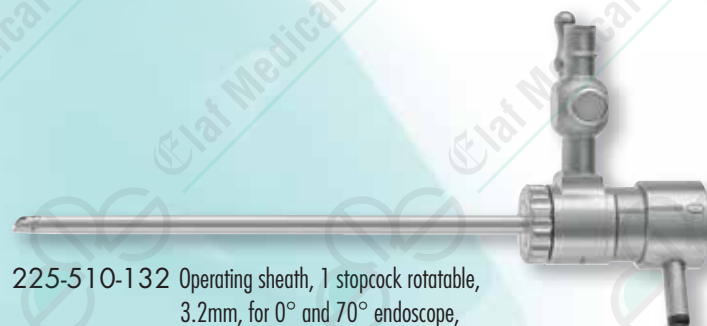


225-224-000 ArthVIEW Arthroscope 0°
2.4mm, 110mm working length

225-224-070 ArthVIEW Arthroscope 70°
2.4mm, 110mm working length



225-510-232 Operating sheath 2 stopcocks, rotatable,
3.2mm, for 0° and 70° endoscopes,
color code: black



225-510-132 Operating sheath, 1 stopcock rotatable,
3.2mm, for 0° and 70° endoscope,
color code: black

2.4mm



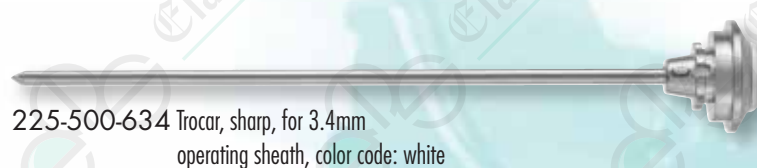
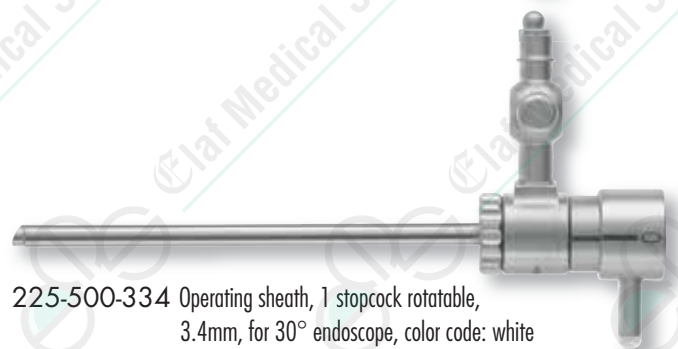
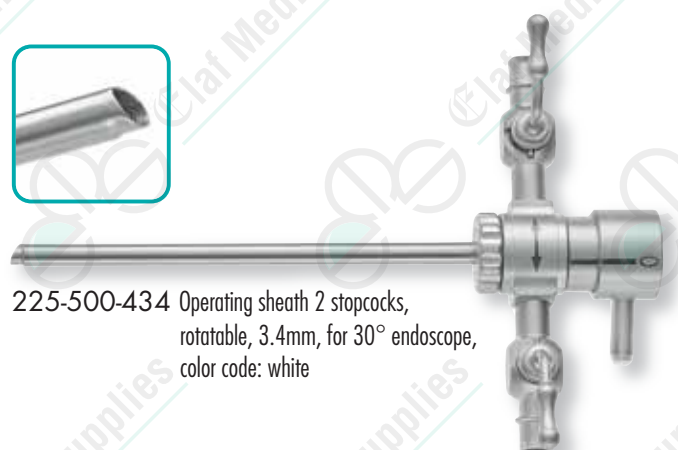
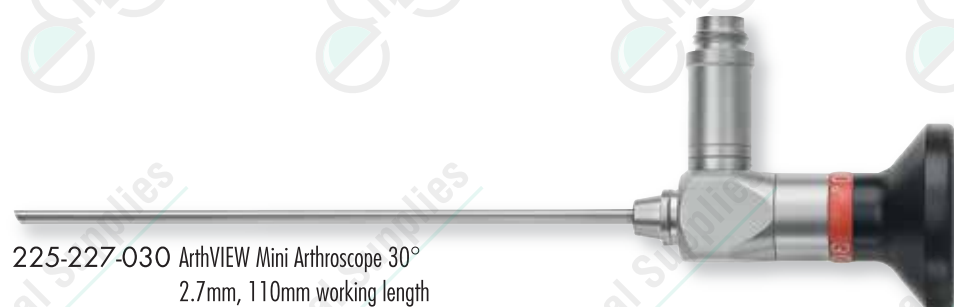
225-510-532 Obturator blunt, for 3.2mm operating
sheath, color code: black



225-510-632 Trocar, sharp, for 3.2mm
operating sheath, color code: black



ArthVIEW® 30° Mini Telescope and ArthFLOW® Sheath System



ArthVIEW® 0°, 70° Mini Telescope and ArthFLOW® Sheath System



225-227-000 ArthVIEW Mini Arthroscope 0°

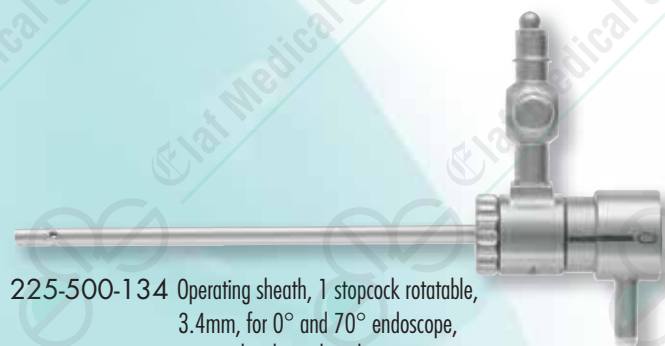
2.7mm, 110mm working length

225-227-070 ArthVIEW Mini Arthroscope 70°

2.7mm, 110mm working length



225-500-234 Operating sheath 2 stopcocks,
rotatable, 3.4mm, for 0° and 70°
endoscope, universal, color code: white



225-500-134 Operating sheath, 1 stopcock rotatable,
3.4mm, for 0° and 70° endoscope,
universal, color code: white

2.7mm



225-500-534 Obturator blunt, for 3.4mm operating
sheath, color code: white



225-500-634 Trocar, sharp, for 3.4mm
operating sheath, color code: white



Fine jaws, shorter shafts and ergonomic handles make the ArthVANCE® Mini Punches, Grasper and Rongeur a unique Small Joint Instrument Set.



RING
HANDLE



225-810-102
DUCKBILL MINI Punch cut 1.5mm, straight jaws, straight shaft

225-810-105
Upbiter

225-810-107
Straight jaws, Left curved shaft

225-810-109
Straight jaws, Right curved shaft



225-810-202
OVAL MINI PUNCH, straight jaws, straight shaft



225-810-302
BLUNT NOSE MINI Basket Punch, straight jaws, straight shaft



225-810-472
HOOK SCISSORS, straight, 2.7mm Ø



225-810-930
MINI RONGEUR, straight



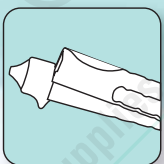
SLIDELOCK
HANDLE



225-810-820
SHARK MINI Grasping Forceps, straight jaws, straight shaft



225-810-825
ALLIGATOR MINI Grasping Forceps, straight jaws, straight shaft



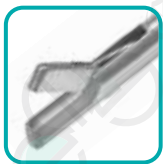
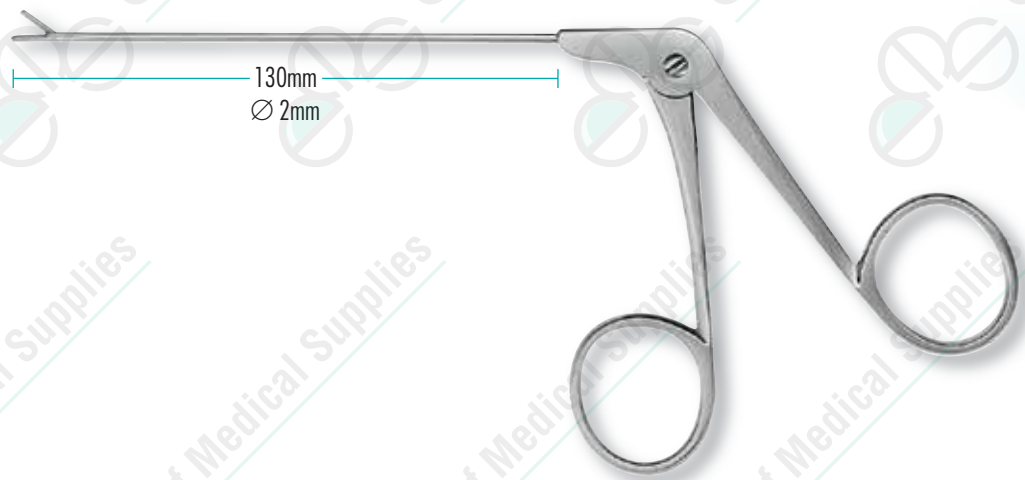
PENCIL
HANDLE



225-810-955
Side Cutter MINI Basket Punch, Left side cutting, 2.2mm



225-810-957
Side Cutter MINI Basket Punch, right side cutting, 2.2mm



225-305-020
Mini Punch 1:1



225-306-020
Mini Scissors, downward cutting 1:1



225-307-020
Mini cupped Forceps 1:1



225-308-020
Mini cupped Forceps, serrated cup 1:1



225-309-020
Mini Grasping Forceps 1:1



225-310-020
Mini Scissors, upwards cutting 1:1



225-311-020
Mini Scissors, short, upwards cutting 1:1

All RZ **ADVANCE** Suction Punches feature an universal tube connector for simultaneous punching and evacuation of tissue, cartilage or bone parts.



225-695-027

UpBiter

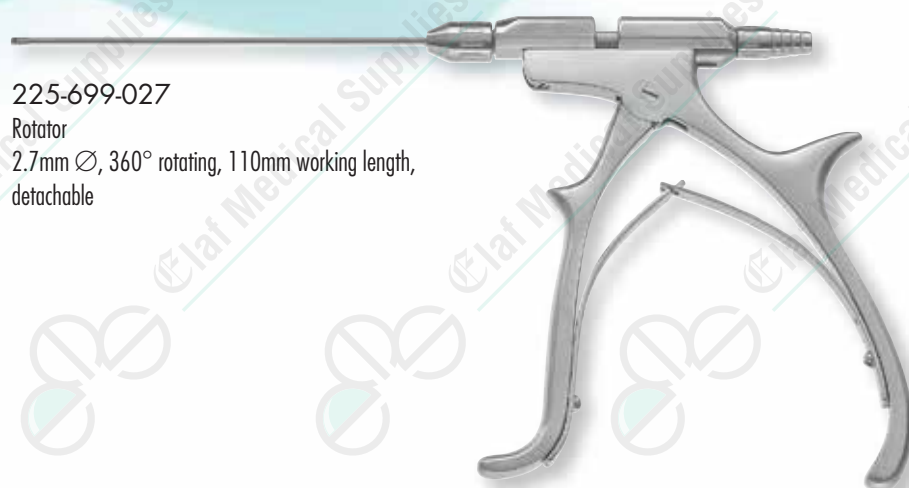
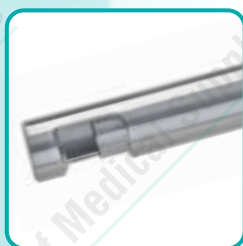
2.7mm Ø, upwards cutting, 110mm working length



225-696-027

DownBiter

2.7mm Ø downwards cutting, 110mm working length



225-699-027

Rotator

2.7mm Ø, 360° rotating, 110mm working length,
detachable



225-090-001
Exploring Probe, graduated, straight



225-090-002
Exploring Probe, graduated, curved



225-090-004
Mini-Rasp, concave jaw



225-090-005
Mini-Rasp, convex jaw



225-090-006
Mini-Knife



225-090-007
Mini-Knife



225-090-008
Mini-Knife



225-090-009
Mini-Bone Curette



Hook Probe and Retractor

225-400-102
4cm working length, 2mm hook length
90° angled hook

225-400-103
4cm working length, 3mm hook length
45° angled hook



Probe Hook, graduated, 1mm hook

225-100-115
1.5mm diameter, 75mm working length

225-100-123
2.3mm diameter, 140mm working length

Hand Instruments with round, knurled handle



225-100-002
Exploring Probe 2.5mm



225-100-004
Exploring Probe 3.5mm



225-100-006
3mm Spoon, angled tip



225-100-020
Smilie Menisctome, 3mm wide,
straight cutting edge



225-100-022
Smilie Menisctotme, 5mm wide,
straight cutting edge



225-100-023
Smilie Menisctome 7mm wide,
curved cutting edge



225-100-025
Rosen Knife, toothed blade



225-100-034
Scalpel Knife



225-100-029
Banana Knife



225-100-038
Hook Knife, reverse cutting



225-100-041
Retrograde Knife, 45° angled blade



RZ MINI Chondro Picks - Micro Fracturing in Small Joints

The RZ MINI Chondro Picks feature precise and reliable working ends for efficient treatment of cartilage defects in small joints.

A selection of 5 different tip angles supported by the light and ergonomic handle design gives the surgeon full flexibility in micro fracture approaches.



scale 1:1



RZ Mini Chondro Picks	
225-600-125	25° angled
225-600-145	45° angled
225-600-160	60° angled
225-600-190	90° angled
225-600-215	115° angled

Dr. Werner Distraction Device for Hand Arthroscopy

The Dr. Werner Hand Arthroscopy Device is especially designed for carpal tunnelling; also for hand surgery procedures.

Application:

The Distraction device facilitates an extension of the carpal and the metacarpophalangeal joints which is achieved either by the weight of the extremities or by an exact traction by means of a rotating wheel.

Operative Exposure:

The patient is in a lying position with the arm angled 90° towards the body.

- the wire finger grip are slipped over the fingers to hold them securely in place for the individual extension of the fingers.
- the hand surface is placed on the hand platform, which is individually adjustable in the bending direction of the carpal joint

This enables a precisely controlled distraction with a secure positioning of the carpal, metacarpal and metacarpophalangeal joints.

Treatment:

The controlled expansions are especially used for the injury treatment of the triangular fibrocartilagenous complex, in addition to cartilage lesions, lesions on the cartilage strictures and for osseus syntheses.

Arthroscopic surgeries at the ulna head and at the discus triangularis also require a strong radial adduction.



225-100-110

Fixation device to be attached to operating table



Wire finger grip

215-000-001 small

215-000-002 medium

215-000-003 large



NOTES

Notes

Lined area for notes, featuring horizontal blue lines and a repeating watermark logo.



Elaf Medical Supplies



300-900-300 LUMEN LED 3

PHASER® TECHNOLOGY

Latest PHASER® Technology for unsurpassed medical lighting. Excellent light sources are characterized by high color rendering, high luminance and a very low ultraviolet and infrared radiation. With the LUMEN LED 3 light source RZ Medizintechnik offers the latest

technology in medical lighting, Made in Germany. Whether the light source is used with modern head lights or in endoscopic surgeries, the new PHASER® technology always generates enough light for meaningful pictures.

Features:

- More than 10.000h lamp lifetime
- Latest PHASER® – Technology
- Waterproof touch control panel
- High color rendering
- High luminance
- Daylight color temperature
- Low noise level
- No UV or IR light
- Low power consumption

Delivery contains:

- Main Unit • BNC cable • Mains cable
- User manual



Automatic light control



Controlable daylight quality

Technical Data

Mains voltage	100-240 VAC, 50-60 Hz
Power consumption	300W
Mains fuses	2 Fine fuses, 5x20mm, delay acting 6,3 AT, with high breaking capacity (Ia = 1500 A)
LED Lifetime	> 10.000h
Color temperature	6000 – 6500° K
Connections	Light guide STORZ
Video-IN terminal	1 x VHS (BNC)
Service	1 x RJ45
Storage temperature	- 20°C to +60°C
Operation temperature	+10°C to +40°C

Relative humidity	
Storage:	10% to 90%
Operation:	30% to 75%
Atmospheric pressure	
Storage:	600 mbar to 1300 mbar
Operation:	700 mbar to 1060 mbar
Classification / Conformity	1 / BF
Test according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	380 x 125 x 360 mm (WxHxD)
Weight	approx. 12.5 kg





300-900-180 LUMEN LED 1

Benefit of the newest LED technology - this Light Source offers increased luminous efficiency by lowest heat conduction and operating costs. The daylight quality LED Lamp lifetime is more than 20.000 hours to provide enhanced working.

Features:

- More than 20.000h lamp lifetime
- Manual or automatic light control
- Waterproof touch control panel
- Low heat conduction by improved LED technology
- Daylight color temperature 6000 – 6500° K for accurate color representation

Delivery contains:

- Light source • Mains cable • BNC cable • User manual

Automatic or manual light
intensity controlDigital light intensity
display

Technical Data

Lamp	100W LED (approx. 1300 lm) Daylight quality, 6000-6500 K Lifetime: more than 20.000 hr	Video In (opt.)	1x Video, 1x S-Video (Y/C) (automatic Version only)
Light guide connection	RZ/Storz adapter	Standard	Protection class: I Application part: Type BF IEC 601-1, EN 60601-1; classification acc. 93/42/EEC: I
System	Power supply: 100/240 VAC, 50-60 Hz Fuses: 2 Fine fuses, 5x20mm, delay 6,3 AT (I=1500A) Power consumption: 100W	Dimensions	380 x 120 x 360 mm (WxHxD); 11 kg



X7 HIGH END

X5

X2

Xenon

HALOGEN

Xenon

Xenon

300-001-308 LUMEN X7	300-001-305 LUMEN X5	300-001-200 LUMEN X2
2 turret adapters (revolvable) • RZ, Storz • Wolf • Olympus • ACMI	1 turret adapter (revolvable) • RZ, Storz • Wolf • Olympus • ACMI	1 turret adapter (revolvable) • RZ, Storz • Wolf • Olympus • ACMI
300 Watt Xenon arc lamp 150 Watt Halogen spare lamp	300 Watt Xenon arc lamp –	180 Watt Xenon arc lamp –
Power Consumption: 370 Watt	Power Consumption: 370 Watt	Power Consumption: 250 Watt

These new high-performance Xenon daylight sources provide excellent illumination and a long lamp lifetime for at least 500 hours. After activating the automatic function and with plugged BNC-Cable, the device

automatically controls the intensity to guarantee the optimal image for the surgeon. The turret adapter enables an universal connection of the most common light guides.

Features:

- Automatic light intensity control
- Pure daylight quality
- Easy lamp replacement
- > 500hr lamp lifetime
- Mechanical diaphragm to adjust the output intensity without any influence on the color temperature

Delivery Contains:

- Light Source
- BNC Cable
- Mains Cable
- User Manual

Automatic and manual
light control

Lamp lifetime indicator



300-001-181 XENON Spare Lamp 180 Watt
300-001-301 XENON Spare Lamp 300 Watt

Technical Data

System	Power supply: 100-240 V AC, 50-60 Hz	Application part	Type BF
Fuses	2 Fine fuses, 5x20 mm, delay 6,3 AT (I=1500A)	Classification	IEC 601-1, EN 60601-1
Video In	1 x VBS (1Vpp/75), BNC only)	CE marking according to	MDD 93/42/EWG
Protection class	I	Dimensions	380 x 120 x 360 mm (WxHxD)
		Weight	approx. 11kg



X3

Xenon



X1

Xenon

300-001-300 LUMEN X3	300-001-180 LUMEN X1
300 Watt Xenon arc lamp	180 Watt Xenon arc lamp
Power Consumption: 370 Watt	Power Consumption: 250 Watt

Pure daylight quality together with low noise and heat conduction - this Xenon Light Sources offers all functions needed to illuminate the field of view.
The lamp can be replaced simply.

Features:

- Manual light intensity control
- Pure daylight quality
- Easy lamp replacement
- > 500hr lamp lifetime
- Lamp fixed in a reflector - calibration is not necessary
- Mechanical diaphragm to adjust the output intensity without any influence on the color temperature
- RZ/Storz light guide

Delivery Contains:

- Light Source
- BNC Cable
- Mains Cable
- User Manual



Manual light intensity control



Lamp lifetime indicator



300-001-181 XENON Spare Lamp 180 Watt
300-001-301 XENON Spare Lamp 300 Watt

Technical Data

System	Power supply: 100-240 V AC, 50-60 Hz	Application part	Type BF
Fuses	2 Fine fuses, 5x20 mm, delay 6,3 AT (I=1500A)	Classification	IEC 601-1, EN 60601-1
Video In	1 x VBS (1Vpp/75), BNC only)	CE marking according to	MDD 93/42/EWG
Protection class	I	Dimensions	380 x 120 x 360 mm (WxHxD)
		Weight	approx. 11kg

High Temperature XENON Light Cables

The advanced High Temperature Xenon Light cables feature a built-in glass rod on the light source side to protect the fibers from melting when the cables are used with high-power Xenon light sources.

All 3.5mm and 4.8mm light cables feature a robust silicone hose to protect the light cables against damages like cuts or crushes.

A bending protection on the connectors is a basic feature of every RZ High Temperature Xenon Light cable.



Adaptor pieces for fibre light guide to use with light source

XENON light guide, without adaptor pieces

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



3.5 mm and 4.8 mm
fiber optic



250-039-000 RZ/Storz



250-037-000 Wolf



250-038-000 ACMI/British Standard
CUDA



250-044-000 Olympus



250-048-000 Luxtec



250-045-000 Olympus - Standard



250-051-000 Stryker



250-052-000 Heine



250-042-000 RZ/Storz/Olympus



250-040-000 Wolf



250-041-000 ACMI/British Standard



250-059-000 Pentax

Adaptor pieces for fibre light guide to use with endoscope



FULL HD

300-001-800 HD Camera F3 - High End

PURE NATURAL COLORS



F3 - The pride of the RZ Equipment range and flagship in medical camera systems. A Full HD camera system generates crystal clear images of highest resolution with 1920 x 1080 p. The latest MOS technology produces pure natural colors for safe and unequivocal diagnoses. A user-friendly multilingual menu allows a large variety

of setups for individual procedures and surgeons preferences. The ergonomic camera head features 3 remote control buttons which can be programmed by the user as required during surgery. A multitude of digital video outputs allows the best possible picture transmission to the medical grade monitors.

Features:

- 3-Chip Full HD camera with latest MOS technology for brilliant picture quality
- User-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences
- Ergonomic camera head with 3 programmable remote control buttons by the user as required during surgery

- Multitude of digital video outputs for best possible picture transmission to the medical grade monitors
- Full HD • HDMI output
- White balance, boost function • On-screen-menu
- 3 user settings storable • 2.5x digital zoom
- Freeze function • Character generator

Delivery contains:

- Main Unit • Camera head • YPbPr/RGB cable
- BNC cable • HDMI - DVI cable • HDMI cable
- S-Video cable • Jack Cable • Mains cable
- User manual



300-001-802
High-End camera
head included





FULL HD



300-001-615
Title generator keyboard, waterproof IP68
US-Layout, PS/2 Connector, cable 1.8m
Color: grey, 305x140x15mm, 600gr.



300-001-610
Footswitch for HD Cameras,
cable length: 2m

300-001-802
High-End 3-Chip Camera Head
Full HD 1920 x 1080 p



User-friendly, splash-
proofed display



Skid-proof pedestals

Technical Data

Camera head

- Aspect ratio: 16:9
- Image sensor: 3 - Chip
- Immersible (using the attached cap)

System

- Image resolution:
Full HD 1920 x 1080
- TV resolution: > 1000 lines
- Sensivity: < 3 lux (1/1.4)
- White balance automatically,
with data hold
shutter speed: 1/50 (1/60)
to 1/100.000 sec
- Power supply: 100 / 240 V,
50-60 Hz
- Power consumption: 20W
- Fuses: 2 Fine fuses, 5x20 mm,
delay acting 3,15 AT (I=1500A)

Video out terminal

- 2 x HD SDI
- 1 x HDMI / DVI
- 1 x YPbPr (Component)
- 1 x Y/C (Pal / NTSC)
- 1 x CVBS (Pal / NTSC)

Standard

- Protection class: I
- Application part: Type BF
- IEC 601-1, EN 60601-1;
classification acc. 93/42/EEC: I

Dimensions

- Control unit: 380 x 120 x 360 mm
(WxHxD); 11 kg



300-001-600 HD Camera F1

FULL HD

Delivery contains:

- CCU • Camera head with 3m cable
- Mains cable • YPbPr/RGB cable
- BNC cable • HDMI - DVI cable
- HDMI cable • RGB cable
- User manual

Optional available:

- 300-001-615 Title generator keyboard
300-001-610 Footswitch for HD Cameras

The new F1 Camera system fulfills the need of high resolution in Video Endoscopic Surgery. Thanks to Full HD resolution combined with newest technology this camera generates crystal-clear images with highest attention to detail that allows better diagnostics and efficient surgery.

Features:

- 1-Chip Full HD camera of the latest generation, with superior image quality in high definition
- Natural color reproduction
- High-end image quality is provided by fully digital, high-speed image processing, separated for red, green and blue channels
- Significantly higher image quality and virtually all movements are eliminated
- Full HD • HDMI out • White balance, boost function
- On-screen-menu • 3 user settings storable • 2.5x digital zoom
- Freeze function • Character generator

Technical Data

Line Voltage	100-240 VAC
Sensor	1/3" MOS
TV resolution	1920x1080 pixels (Full HD)
Image resolution	>1000 TV lines, horizontal
Index ratio	16:9
Min. sensitivity	<3lx (1/1.4)
Video Outputs	1 x HDMI 1 x YPbPr / RGB 1 x S-Video (Y/C; Pal / NTSC) 1 x Video (CVBS; Pal / NTSC)

Manufactured and tested according to	IEC 601-1, EN 60601-1, MDD 93/42/EEC
CE marking according to	MDD 93/42/EEC
Protection Class	I
Application part	BF
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g



USB port for use with
flash drives to record data

300-001-410 Camera Z2

The new Z2 Endoscopic Camera is a universal system suitable for both diagnostics and surgery. The 1CCD technology generates clear pictures with a high resolution and natural colors. A digital Anti Moiré filter automatically eliminates disturbing distortions when using flexible endoscopes. Pictures and Movies can be stored easily on a USB stick. The collected informations

Features:

- State-of-the-art CCD-Camera, true colour reproduction
- All features of the camera can be directly controlled and set up on a menu
- To be prepared to work under extreme illumination conditions, the control unit offers further features to improve the image quality (WINDOW- and PEAK-function)
- Lightweight camera head ensures fatigue-free working

can be used for an extensive documentation of the procedure. The lightweight camera head ensures a fatigue-free working. All features of the camera can be directly controlled and set up on a menu which is shown on the monitor. The 3 remote control buttons on the camera head can be programmed by the user as required during surgery.

Delivery contains:

- CCU • Camera head • USB cable • Composite cable
- YPbPr/RGB cable • BNC cable • Jack cable
- 4GB USB Stick • Mains cable • User manual

Technical Data

Line Voltage	100-240 VAC, 50-60 Hz
Resolution	active pixels: - 752 H x 582 V - 768 H x 494 V
TV resolution	470 lines
Sensitivity	1 lux (1/1.4)
Aspect ratio	4:3
Image Sensor	1/3" CCD
Video Outputs	• 2 x CVBS (1Vpp/75Ω), BNC • 2 x Hosiden (Y/C) • 1 x YPbPr • 1 x SDI • 1 x USB

Protection Class	I
Application part	BF
Manufactured and tested according to	IEC 601-1ff, EN 60601-1ff
CE marking according to	MDD 93/42/EEC
Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g



300-001-400 Camera Z1

The new Z1 Endoscopic Camera is a universal system suitable for both diagnostics and surgery. The 1CCD technology generates clear pictures with a high resolution and natural colors. A digital Anti Moiré

filter automatically eliminates disturbing distortions when using flexible endoscopes. All features of the camera can be directly controlled and set up on a menu which is shown on the monitor.

Features:

- State-of-the-art Color - CCD-Camera
- True color reproduction
- To be prepared to work under extreme illumination conditions, the control unit of the camera offers further features to improve the image quality (WINDOW- and PEAK-function)
- Lightweight camera head ensures a fatigue-free working

Delivery contains:

- CCU • Camera head • USB cable • Composite cable
- YPbPr/RGB cable • BNC cable • Jack cable
- Mains cable • User manual

Technical Data

Line Voltage	100-240 VAC, 50-60 Hz	Protection Class	I
Resolution	active pixels: - 752 H x 582 V - 768 H x 494 V	Application part	BF
TV resolution	470 lines	Manufactured and tested according to	IEC 601-1ff, EN 60601-1ff
Sensitivity	1 lux (1/1.4)	CE marking according to	MDD 93/42/EEC
Aspect ratio	4:3	Dimensions	Control Unit: 380 x 120 x 360 mm (WxHxD), 11kg Camera Head: 105g
Image Sensor	1/3" CCD		
Video Outputs	• 2 x CVBS (1Vpp/75Ω), BNC • 2 x Hosiden (Y/C) • 1 x YPbPr • 1 x SDI		

FULL COMPLEMENT OF HEAD CONFIGURATIONS



300-001-813 f=14mm
300-001-814 f=25mm
300-001-815 f=28mm
c-mount, soakable, Full HD



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



250-015-036
Zoom-TV-Adapter
f=15 - 36mm
c-mount, soakable
Full HD



250-020-025 F=25mm (splitting 90/10)
250-020-030 F=30mm (splitting 90/10)
Beamsplitter, allows simultaneous video and
direct views, c-mount, soakable, Full HD



250-022-025 F=25mm
250-022-030 F=30mm
Angled 90°, with swivel and fixation,
c-mount, soakable, Full HD

FULL HD

DAViD instinctive diagnostic & record central data software

Software system for the collecting and archiving of video findings in the medical field based on state-of-the-art PC technology Windows VISTA / XP, DirectX, DV digital Video – device independent

Multilingual

English, French, German, Italian, Russian, Spanish

Intuitive

dialog-oriented user interface for smooth integration into everyday practice

Ready for network

one point data storage and simultaneously video recordings

Integrated license module

after a demo period of 30 days the software needs to be activated via an activation key

300-001-190

Software, full Version

300-001-192

Software, without recording possibilities

**Diagnostics & Results**

- high video and freeze image quality / natural reproduction of motion sequences
- Multiple-split display during recording and playing
- automatic optimization of stroboscopic recordings
- recording controllable by foot or camera switch
- simple-to-use video cut function
- integrated database of findings and diagnoses allows quick workflow
- integrated On-Screen-Keyboard for touch screen displays

**Recordings & Documentation**

- graphics marks for emphasizing of findings
- MPEG2 video export with optional overlay of patient data and session comments
- integrated CD/DVD recording
- image export in the DICOM format
- Compare-function for videos and pictures
- automatic creation of diagnostic letters in MS Word format with freely definable document templates
- textual export of patient and diagnostic data for passing on and statistical evaluations

**Management**

- patient data is stored in structured database
- automatic assignment of videos, findings, diagnoses and comments to patients and data sets
- search and edit functions
- drag'n'drop import of pictures and documents
- native support for MediCapture USB sticks
- data exchange with other systems via remote interface
- user management for controlling access and edit rights



225-906-000 Basic Irrigation Pump P1

This unit offers all basic functions for irrigation in arthroscopic surgery. Thanks to hydrostatic pressure regulation, the precise pressure in the treated body part is displayed. State-of-the-art and reliable technology features this versatile Pump.

Features:

- Hydrostatic pressure regulation
- Silicone tubing set included (225-910-001)
- Easy to operate, splash-proofed display
- Highly reliable tube guide and handling
- Skid-proof pedestals

Accessories:

225-910-001	Irrigation tubing set, silicone, autoclavable	non-sterile	included
225-910-002	Irrigation tubing set, PVC, 20 pieces	sterile	optional
225-910-003	Patient tube, PVC, 2,5m, 40 pieces	sterile	optional

Delivery contains:

- Pump device
- Tubing set
- Mains cable
- 2 Spare fuses

Technical data

Line Voltage	100-230 V/AC - Fuse T 3.15 A L 250 V
Frequency	50-60 Hz
Power Input	60 VA
Device Type acc. to DIN EN 60601-1:2005	BF
Classified acc. to EG-Guidelines 93/42/EEC	Ila
Safety Class acc. to DIN EN 60601-1:2005	I
Manufactured and tested according to	DIN EN 60601-1:2005
Radio interference suppression	DIN EN 60601-1-2:2007

Irrigation Power	0 - 1.0 l/min
Pressure Range	10 - 150 mm Hg
Operating Conditions	+10 to +40°C Relative humidity of air: 30 - 70%
Store and Transport Conditions	- 40 to +70°C Relative humidity of air (not condensed): 10 - 90%
Splashproofed	IPX 1
Registration	CE 1253
Measurements	380 x 130 x 400 mm (WxHxD)
Weight	Ca. 11 kg



225-910-000 ARTHRO Irrigation Pump P3

A fluid irrigation pump to be used in endoscopic operations in the fields of arthroscopy for diagnostic and therapeutic purposes. Hydrostatic pressure compensation procedure ensures correct pressure reading. Thanks to Lavage function, fast and intense irrigation of the joint is achieved. State-of-the-art and reliable technology features this versatile pump.



Lavage function provides increased flow for a short time to irrigate the joint fast and intensely. It is activated by footswitch. When Lavage time is expired, pump will automatically return to previous operating parameters.



225-910-001
Tubing Set included

Features:

- Advanced Irrigation Pump for Arthroscopic surgeries
- Lavage function for fast and intense irrigation, controlled by footswitch

Accessories:

225-910-001	Irrigation tubing set, silicone, autoclavable	non-sterile	included
225-910-002	Irrigation tubing set, PVC, 20 pieces	sterile	optional
225-910-003	Patient tube, PVC, 2,5m, 40 pieces	sterile	optional

Delivery contains:

- Pump device
- Tubing set
- Footswitch
- Mains cable
- 2 Spare fuses



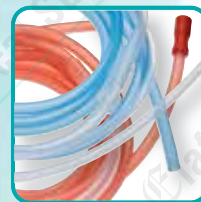
Footswitch included

Technical data

Line Voltage	100-230 V/AC - Fuse T 3.15 A L 250 V	Irrigation Power	0 - 2.5 l/min
Frequency	50-60 Hz	Pressure Range	10 - 200 mmHg
Power Input	max. 80 VA	Operating Conditions	+10 to +40°C Relative humidity of air: 30 - 70%
Device Type acc. to DIN EN 60601-1:2005	BF	Store and Transport Conditions	- 40 to +70°C Relative humidity of air (not condensed): 10 - 90%
Classified acc. to EG-Guidelines 93/42/EEC	Ila	Splashproofed	IPX 1
Safety Class acc. to DIN EN 60601-1:2005	I	Registration	CE 1253
Manufactured and tested according to	DIN EN 60601-1:2005	Measurements	380 x 130 x 400 mm (WxHxD)
Radio interference suppression	DIN EN 60601-1-2:2007	Weight	Ca. 11 kg



Lavage function provides increased flow for a short time to irrigate the joint fast and intensely. It is activated by footswitch. When Lavage time is expired, pump will automatically return to previous operating parameters.



225-920-001
Tubing Set included

225-920-000 ARTHRO Duo Pump P9

P9 is a fluid irrigation/suction pump to be used in endoscopic operations in the fields of arthroscopy for diagnostic and therapeutic purposes. Suction function is fully integrated into control process. By continuously aspirating fluid from the joint P9 provides maximum irrigation flow rate at low pressure. Blood, secretion and tissue particles are removed. Hydrostatic pressure compensation procedure ensures correct pressure reading. The double footswitch allows triggering of lavage and suction function easily.

Features:

- High-End Suction-Irrigation Pump for advanced Arthroscopic procedures
- Automatic adjustment of suction flow according to preset irrigation flow and actual pressure to prevent the joint from collapsing
- Double foot switch

Delivery contains:

- Pump device
- Suction and irrigation tubing set
- Double Footswitch
- Mains cable
- 2 Spare fuses
- Operating Manual

Accessories:

225-920-001	Suction + Irrigation tubing set, silicone, autoclavable (225-920-002/-003)	non-sterile	included
225-920-002	Tubing Set "Suction", silicone, autoclavable	non-sterile	optional
225-920-003	Tubing Set "Irrigation", silicone, autoclavable	non-sterile	optional
225-910-002	Irrigation tubing set, PVC, 20 pieces	sterile	optional
225-910-003	Patient tube, PVC, 2,5m, 40 pieces	sterile	optional
225-920-005	Double Footswitch	non-sterile	included



Double Footswitch included

Technical data

Line Voltage	100-230 V/AC - Fuse T 3.15 A L 250 V
Frequency	50-60 Hz
Power Input	max. 80 VA
Device Type acc. to DIN EN 60601-1:2005	BF
Classified acc. to EG-Guidelines 93/42/EEC	Ila
Safety Class acc. to DIN EN 60601-1:2005	I
Manufactured and tested according to	DIN EN 60601-1:2005
Radio interference suppression	DIN EN 60601-1-2:2007

Irrigation Power	0 - 2.5 L/min
Suction Power	0 - 1.0 L/min
Pressure range	10 - 200 mm Hg
Operating Conditions	+10 to +40°C Relative humidity of air: 30 - 70%
Store and Transport Conditions	- 40 to +70°C Relative humidity of air (not condensed): 10 - 90%
Splashproofed	IPX 1
Registration	CE 1253
Measurements	380 x 130 x 400 mm (WxHxD)
Weight	Ca. 11 kg



The RZ iLumen Endovue offers a high definition interface (HDTV) featuring high brightness, high resolution, exceptional contrast, and true color reproduction with unsurpassed visual quality. The RZ iLumen delivers the key advantages of the series from RZ in environments where only video-based images are required. Multiple sizes and high flexibility make it ideal for a wide variety of surgical and other applications.

High Definition Imaging, Superior Clarity, Consistency, Quality, Fastest Response time (10-16ms), Widest Viewing Angle, Widest colour Gamut, Programmable User and Modality Preferences, Re-Drive Capability Enables Image Viewing on Multiple Displays, Video-Switching with Serial Port Interface, Save low Voltage 24 VDC Remote Power, Compact and lightweight.

Model / Type	300-001-145	300-001-149	300-001-146
Size	15" / 20.0x9 inches	19" / 14.8x11.9 inches	24" / 20.4x12.8 inches
Resolution	1024x768 (XGA)	1280x1024 (SXGA)	1920x1200 (WUXGA)
Signal Input	SVideo, Composite, RGBS, DVI		
Viewing angle	178°		
LCD Panel	TFT Active Matrix		



The RZ HD iLumen RADIANCE surgical flat panel display is the worldwide LCD monitor of choice for surgeons and operating terms. Its superior HDTV capabilities including HD – SDI and YPbPr – and sophisticated signal processing produce sharp, accurate, true and very bright images. The RZ iLumen is the only medical-grade flat panel for simultaneous use as a Radiology, Fluoroscopy, Physiology, and/or minimally Invasive Surgery display.

Full HD and Digital Capable, Full Range of Analog Surgical Inputs, DICOM Response DVI Input for PACS, Fingertip/Footswitch Instant Remote Switching between sources, High Resolution, High Bright LCD with Wide Viewing Angle, Fully Compliant Medical Grade, FDA, UL and CE Approved, Re- Drive Capability Enables Image Viewing on Multiple Display, Traditional 4:3 Aspect Ratio, Surgeon- Specific User Selectable Settings.

Model / Type	300-010-219	300-010-224	300-010-226	300-001-232
Size	19" / 14.8x11.9 inches	24" / 20.4x12.8 inches	26" / 22.7 x 12.7 inches	32" / 27.5x15.4 inches
Resolution	1280x1024 (SXGA)	1920x1200 (WUXGA)	1920x1080 (FULL HD)	1920x1080 (FULL HD)
Signal Input	SDI, HD-SDI, RGBS, YPbPr, SVideo, Composite, DVI, VGA			
Viewing angle	178°			
LCD Panel	TFT Active Matrix with IPS			



The 21" iLumen Endovue SE delivers the image performance of a high-end surgical display at a fraction of the cost. Targeted for cost-sensitive emerging markets this monitor is a great value. It features an LED backlight and supports both digital and analog high-definition video inputs. The 21" iLumen Endovue SE is an affordable alternative to a full-featured surgical display.

It accommodates high-definition signals from a variety of medical imaging sources, including endoscopes, ultrasound, PACS, and vital signs. It also features a fanless cooling design to minimize the risk of spreading airborne contaminants within the sterile field.

ONLY AVAILABLE OUTSIDE EU + NORTH AMERICA

Model / Type	300-001-148
Size	21,5" / 18.8 x 10.6 inches
Resolution	1920 x 1080 (Full HD)
Signal Input	DVI, RGBS, YPbPr, VGA, S-Video, Composite
Viewing angle	178°
LCD Panel	TFT Active Matrix with IPS, LED-Backlight



The innovative surgical Monitors of Sony deliver advanced image processing technology and enable physicians to see still and moving images with accurate, HD clarity and precision.

Model / Type	300-001-025	300-001-021	300-001-023	300-001-026
Size	19" / 14.8x11.9 inches	21" / 18.8x10.7 inches	24" / 20.4x12.8 inches	24" / 20.4x12.8 inches
Resolution	1280 x 1024 (SXGA)	1920x1080 (FULL HD)	1920x1200 (WUXGA)	1920x1080 (FULL HD)
Signal Input	Composite, Y/C, RGB (BNC), HDMI, Audio Jack	Composite, Y/C, RGB (BNC), HDMI, Audio Jack	Composite, Y/C, RGB (BNC), DVI-D, VGA	Composite, Y/C, RGB (BNC), DVI-D, VGA
Viewing angle	170°			
LCD Panel	a-Si Active Matrix TFT	a-Si Active Matrix TFT	a-Si Active Matrix TFT LED	Medical OLED



300-001-999
Dimensions: 1600mm x 500mm x 625mm
with rollers Ø 125mm, complete

The RZ Trolley 300-001-999 is the universal solution for all applications.
A range of diagnostic instrumentation, treatment and measuring equipment, plus PCs, eg. with monitor arm or infusion stand and gas bottles.



Modular, easy changeable setup



Optional: Keyboard holder



Optional: Camera head holder



Optional: CO2 Bottle holder



300-001-988
Hydraulic monitor holding
400mm



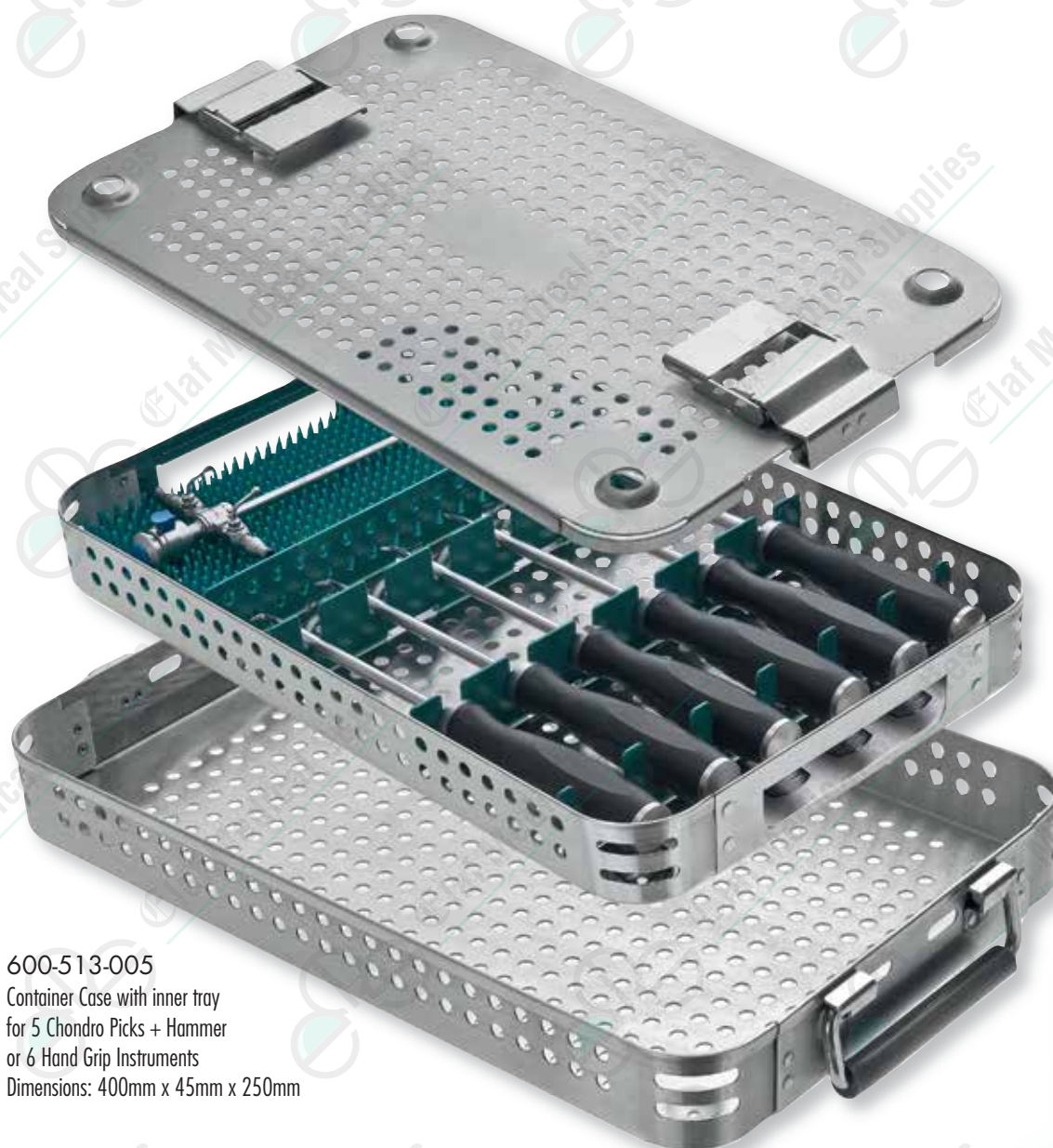
600-513-000

Container for Arthroscopy for 8 instruments in upright position with utility space for extra instruments



600-513-002

Stand for 8 Arthroscopy Instruments, Plastic



600-513-005

Container Case with inner tray
for 5 Chondro Picks + Hammer
or 6 Hand Grip Instruments
Dimensions: 400mm x 45mm x 250mm

This **ArthVANCE** container is specially designed to organise your complete set of chondro picks including hammer or six pieces of RZ Handgrip Instruments of any kind.

The attached silicone mat offers extra space for additional items such as arthroscopic sheath or similar parts.

The **ArthVANCE** container consists of 3 parts - bottom, detachable tray with instrument holders and silicone mat with lid.

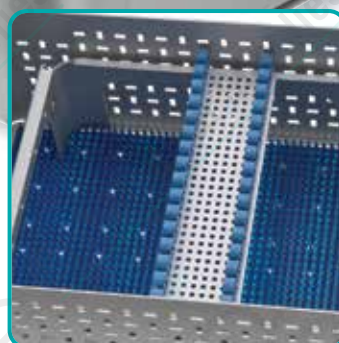
Chondro Picks are shown on page 30



600-513-010

Sterilisation Tray for 12 hand held instruments
with silicone mat

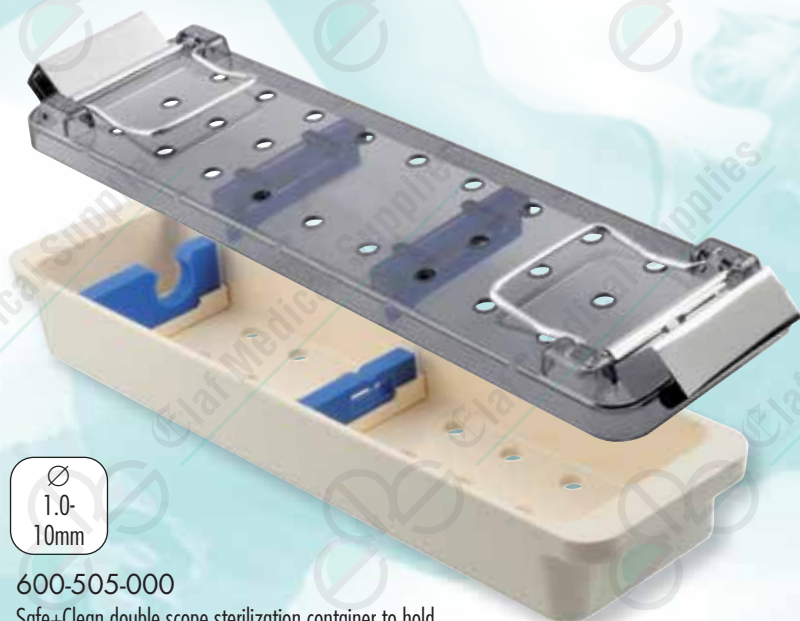
Dimensions: 420mm x 265mm x 160mm





600-513-001

Container for Arthroscopy for 16 instruments in
upright position with utility space for extra
instruments



Ø
1.0-
10mm

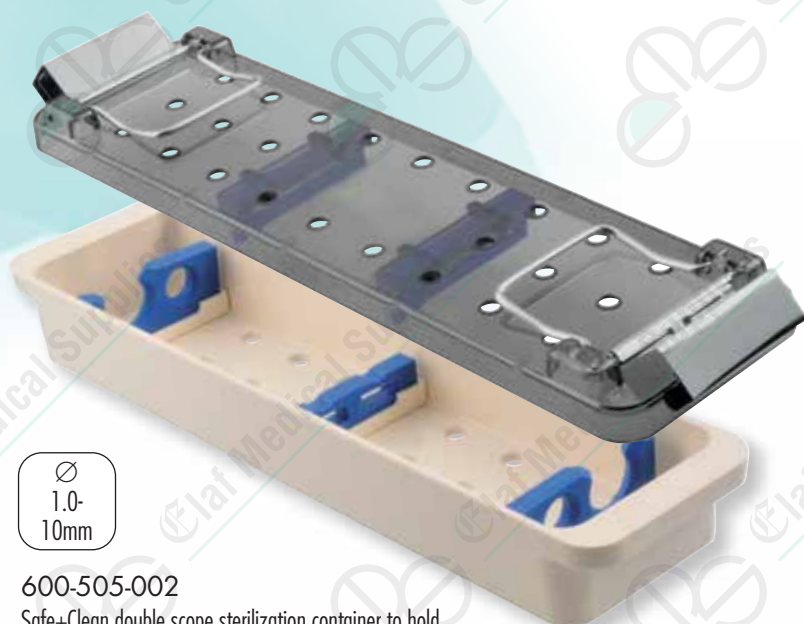
600-505-000

Safe+Clean double scope sterilization container to hold
1 short endoscope with maximum length of 270mm.

Dimensions: 271mm x 70mm x 35mm with silicone bars on base and lid



Safe+Clean with silicone bars
on base and lid

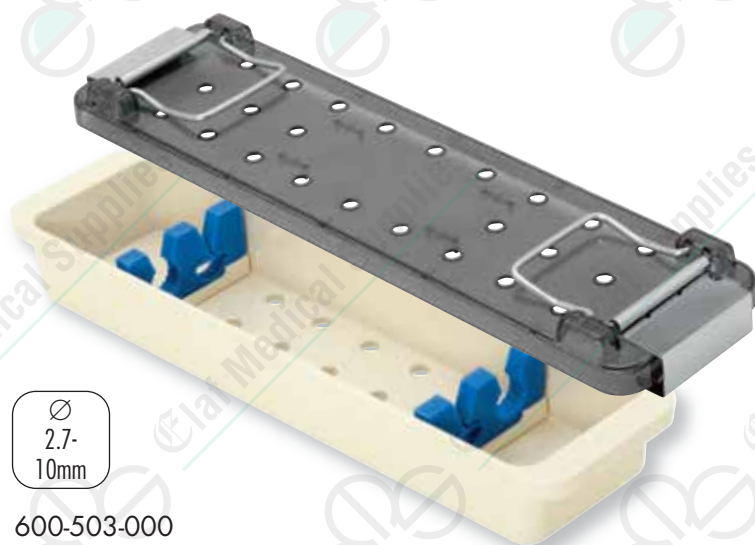


Ø
1.0-
10mm

600-505-002

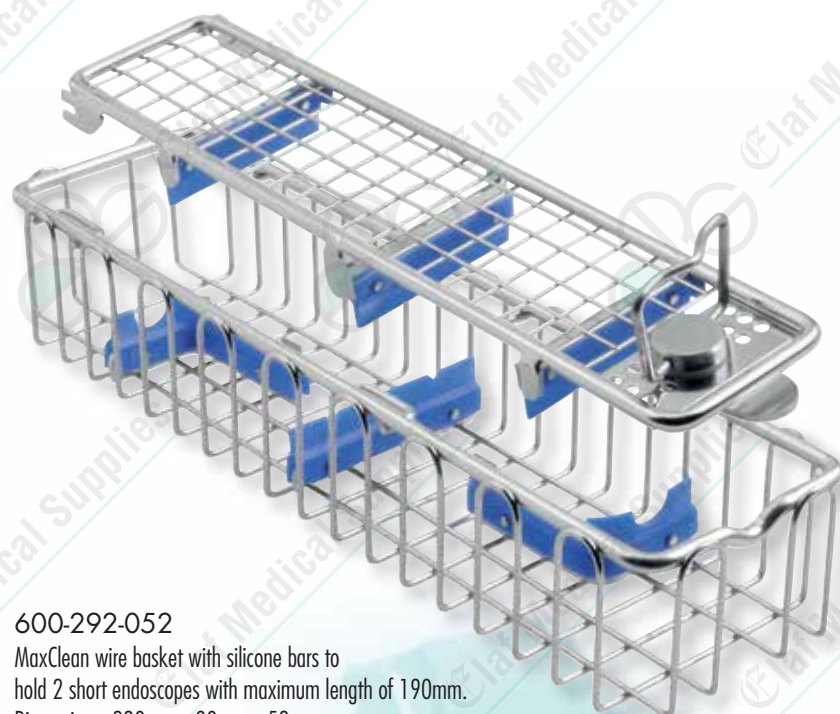
Safe+Clean double scope sterilization container to hold
2 short endoscopes with maximum length of 270mm.

Dimensions: 271mm x 70mm x 35mm with silicone bars on base and lid



600-503-000

MultiClean double scope sterilization container to hold
2 short endoscopes with maximum length of 270mm.
Dimensions: 271mm x 70mm x 35mm



600-292-052

MaxClean wire basket with silicone bars to
hold 2 short endoscopes with maximum length of 190mm.
Dimensions: 290mm x 80mm x 52mm



600-508-100

MultiClean Scope and light guide cable container
to hold 2 extra long endoscopes and 1 fiber optic light
guide cable.

Dimensions: 430mm x 155.5mm x 39.5mm



600-511-000

Universal Plastic Container, suitable for
sterilization of various instruments on 2 levels.

Dimensions: 502mm x 239mm x 102mm



600-100-000
RZ-AquaJet
Water Jet Pistol complete
with 9 tips and 1m pressure
tubing, with strap and
suspension hook



300-135-905
Cleaning brush for Ø 5mm, 500mm length (1 piece per box)



300-135-910
Cleaning brush for Ø 10mm, 500mm length (1 piece per box)



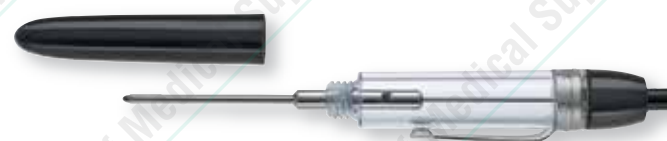
300-215-000
Cleaning brush, length 215mm, brush length 60mm, brush Ø 13mm



300-420-065
Cleaning brush, length 420mm, brush length 65mm, brush Ø 3mm



700-900-149
Oil Spray (400ml)



700-900-250
Oil Dispenser, 140mm



700-900-160
Instrument Oil in 50ml bottle



700-900-220
Special Cotton for polishing
metal sheaths and instruments



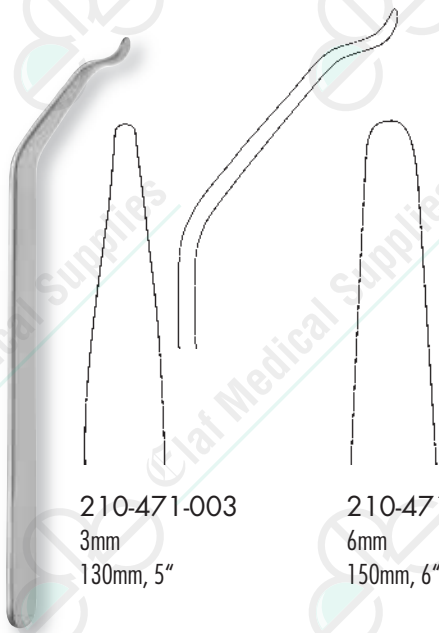
SECTION

A

BONE LEVERS



Elaf Medical Supplies



210-471-003

3mm
130mm, 5"

210-471-006

6mm
150mm, 6"

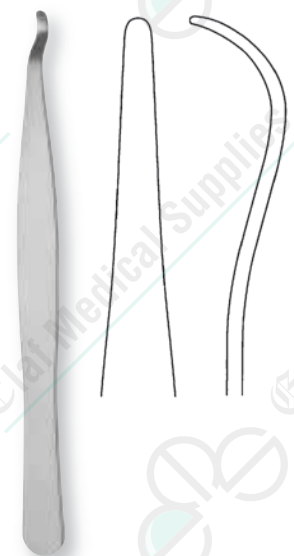
Hayes

Phalangeal Elevator, shaft angled 40°



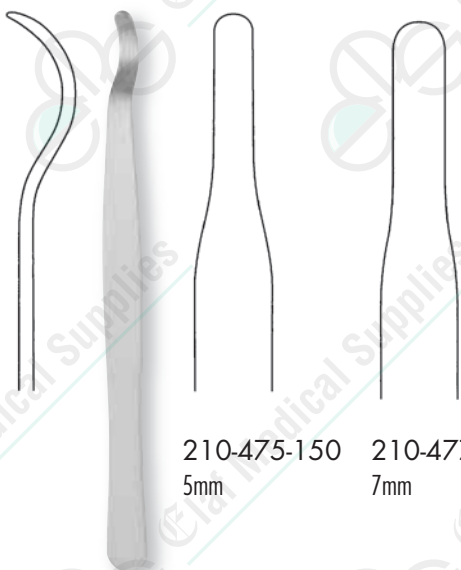
210-539-110

Bone Lever, 2.8mm
140mm, 5 1/2"



Hayes

210-473-150
Phalangeal Elevator
3mm wide blade
150mm, 6"



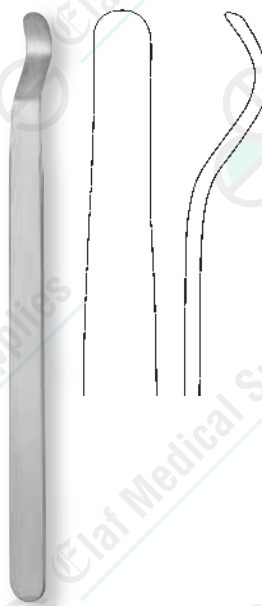
210-475-150

5mm

210-477-150

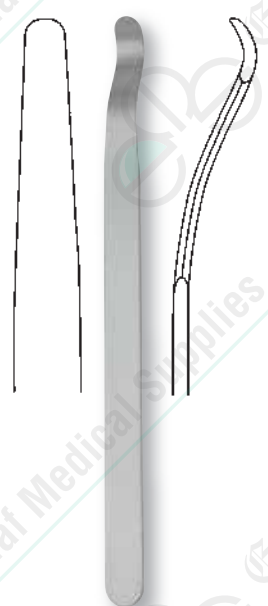
7mm

Phalangeal Elevator
150mm, 6"



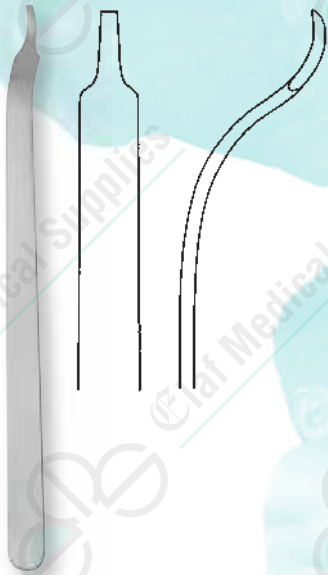
210-537-060

Bone Lever, 7mm wide
150mm, 6"

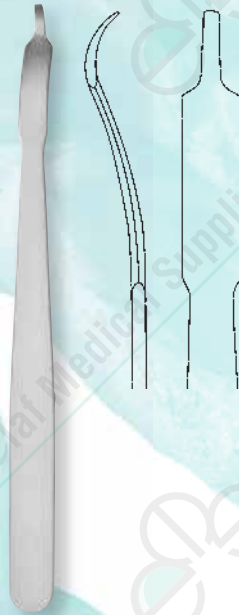


210-537-140

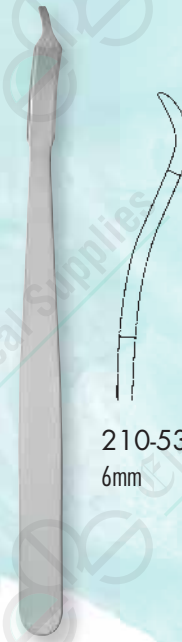
Bone Lever, 6mm wide
150mm, 6"



Buck-Gramcko
210-541-075
Bone Lever, 2mm tip,
7.5 mm wide
150mm, 6"

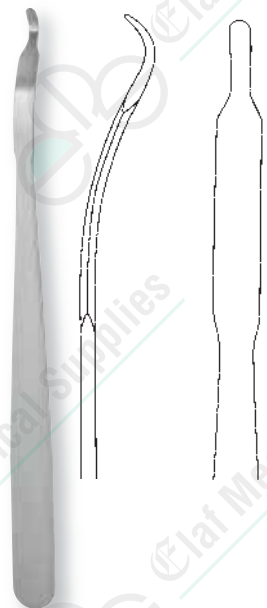


Hohmann
210-541-080
Bone Lever, 2mm tip
8mm wide
160mm, 6¹/₄"

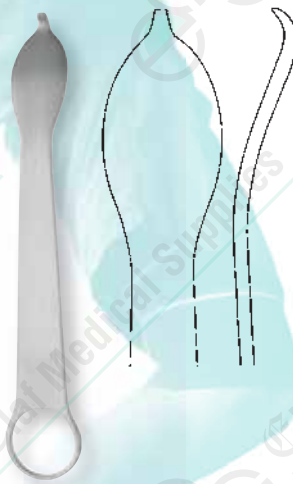


210-539-060
6mm

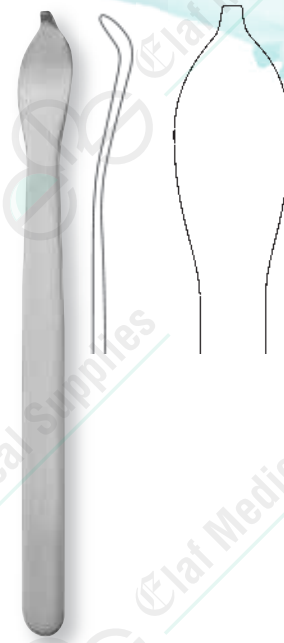
Hohmann Mini
Bone Lever
160mm, 6¹/₄"



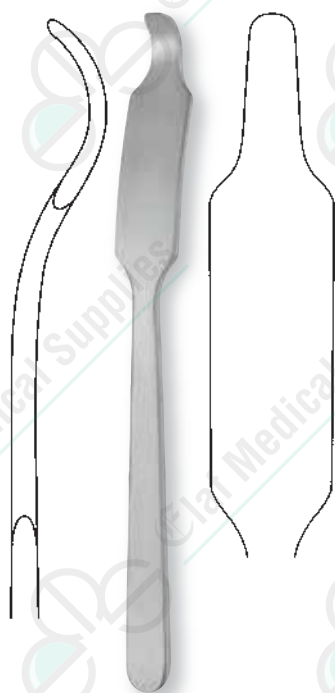
Hohmann Mini
210-541-060
Bone Lever, 6mm wide
160mm, 6¹/₄"



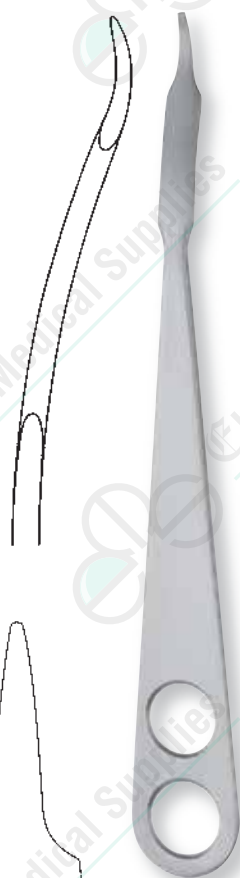
Hohmann
210-541-150
Bone Lever 15mm wide tip
with finger ring
120mm, 4³/₄"



210-539-150
Mini Bone Lever,
15mm wide
160mm, 6¹/₄"



Lange-Baby
210-534-170
Bone Lever, 17mm wide
170mm, 6^{3/4}"



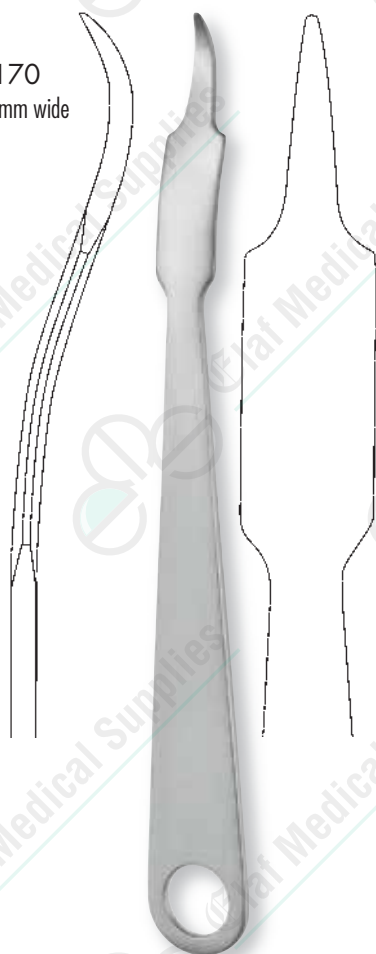
210-541-108
8mm



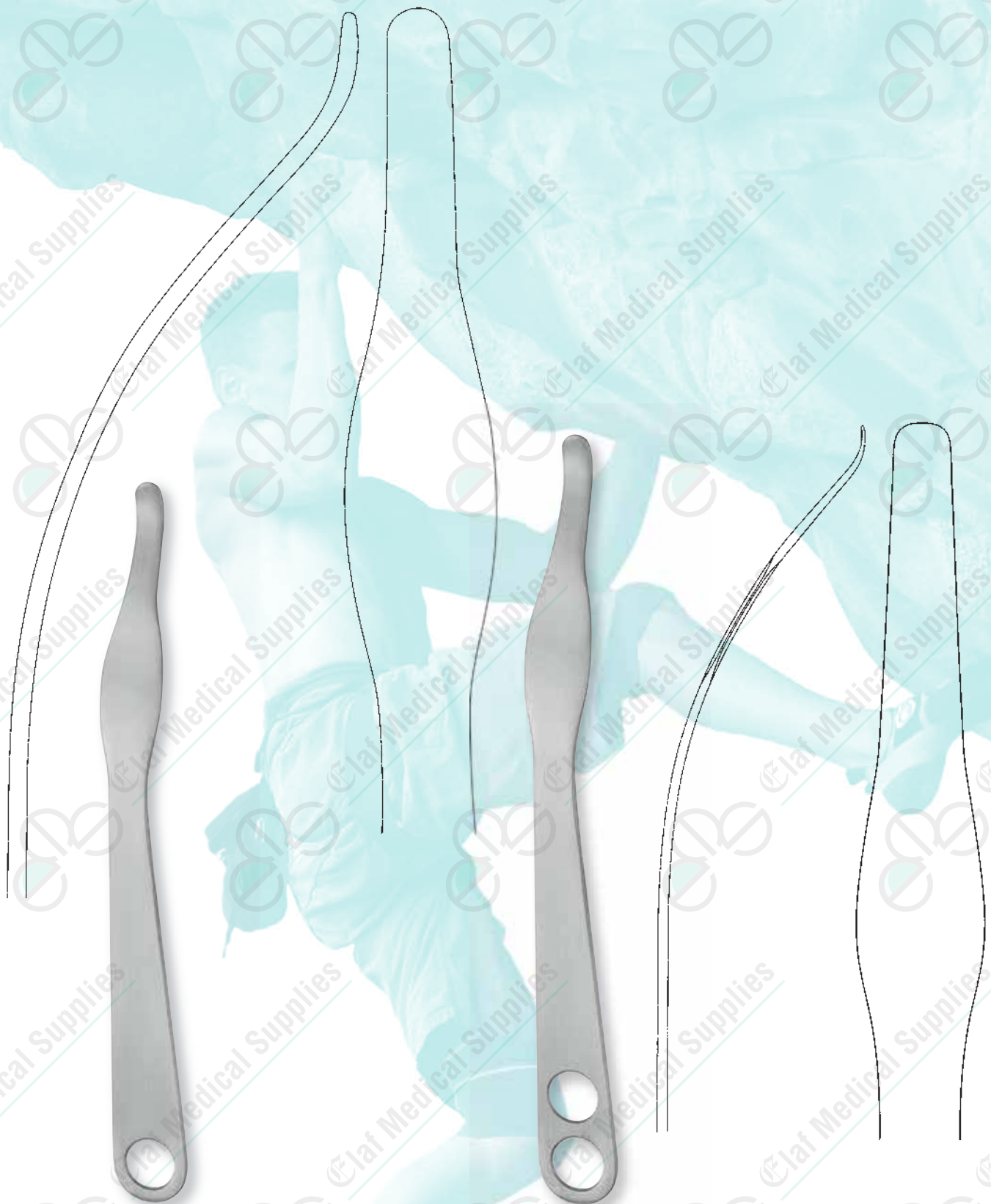
210-541-100
10mm



210-541-180
18mm

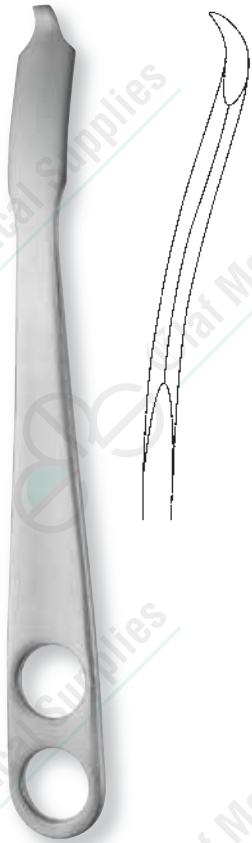


Hohmann
210-542-180
Bone Lever, 17mm, sharp,
240mm, 9^{1/2}"

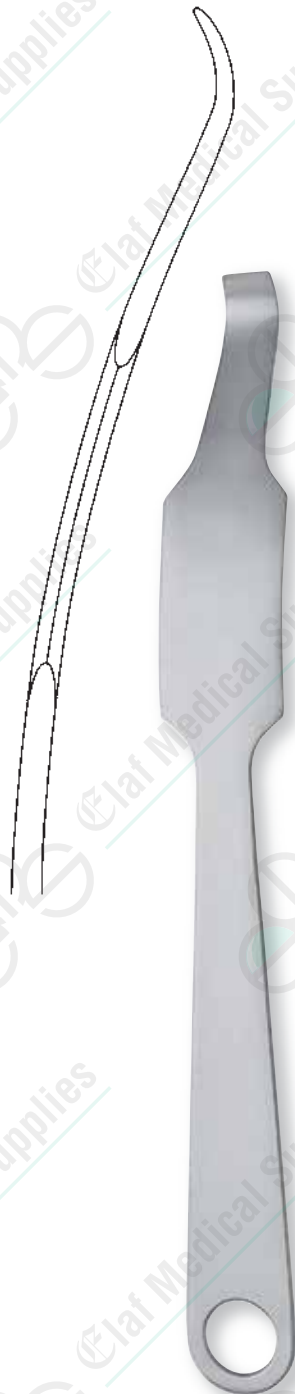


Hohmann
210-541-250
Bone Lever, 25mm
270mm, 10³/₄"

210-547-240
Pelvis Retractor
25mm
270mm, 10³/₄"



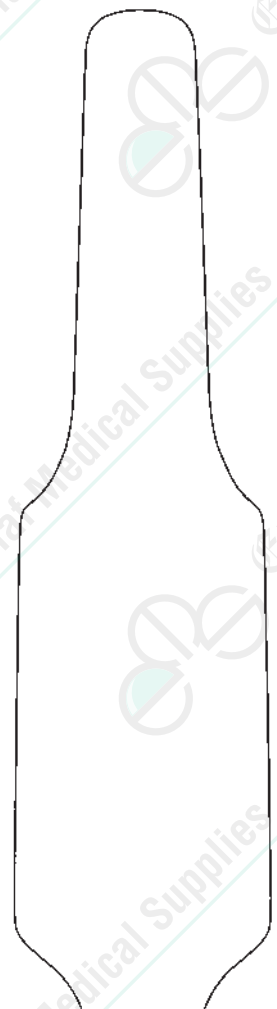
Wagner
210-540-220
Bone Lever, 17mm
220mm, 8²/₃"



Hohmann
Bone Lever



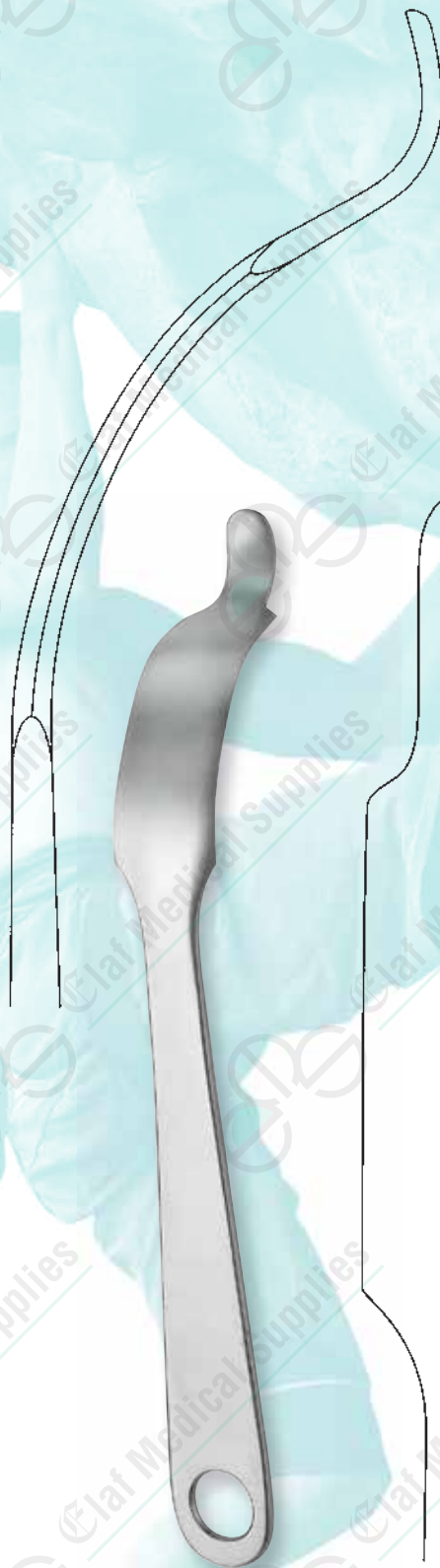
210-545-220
24mm
260mm, 10¹/₄"



210-545-350
35mm
285mm, 11¹/₃"



Lange-Hohmann
210-557-250
Bone Lever, 24mm wide
250mm, 10"



Lange-Hohmann
Bone Lever

210-557-270
30mm
270mm, 10³/₄"

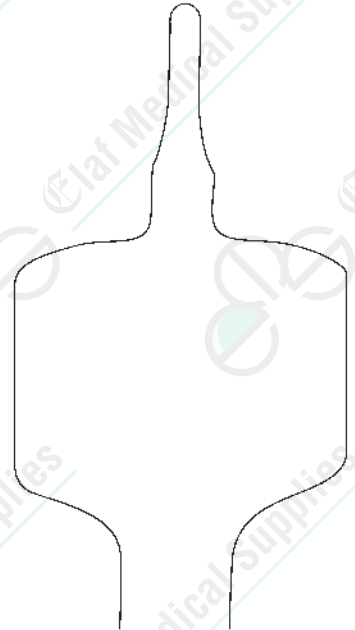
210-557-290
33mm
290mm, 11³/₈"



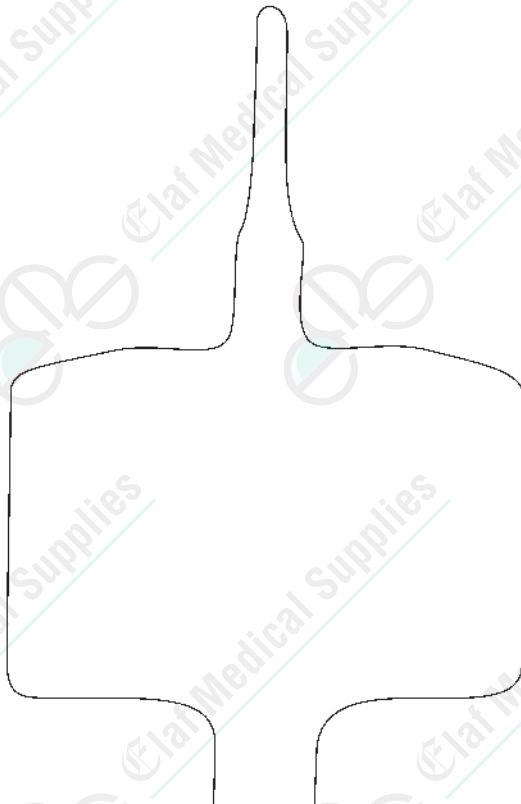
Verbrugge
Bone Lever



210-542-025
25mm
200mm, 8"



210-542-045
45mm
230mm, 9"



210-542-070
70mm
250mm, 10"



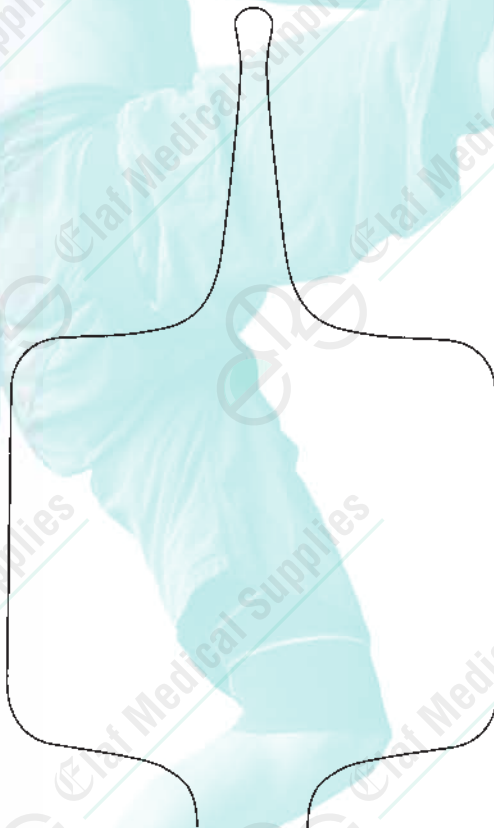
210-541-043
44 mm
240mm, 9 1/2"



Hohmann
210-543-430
Bone Lever, 43mm
235mm, 9 1/4"



Verbrugge-Hohmann
Bone Lever



210-541-065
65mm
250mm, 10"



Hohmann
210-545-221
Bone Lever, 22mm
300mm, 12"

210-541-400
Bone Lever, 120° curved, 22mm
400mm, 16"



Hohmann
210-541-330
Bone Lever, 90° curved, 43mm
330mm, 13"

210-541-331
Bone Lever, 90° curved, 22mm

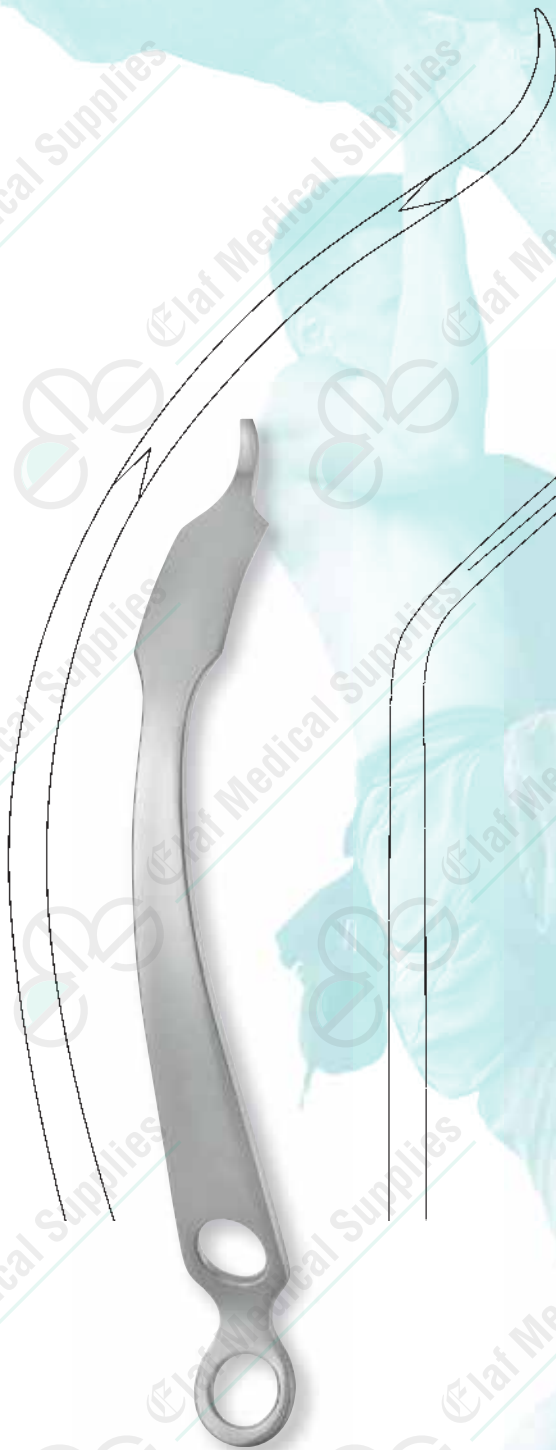
Hohmann
210-545-400
Bone Lever, 40mm
300mm, 12"



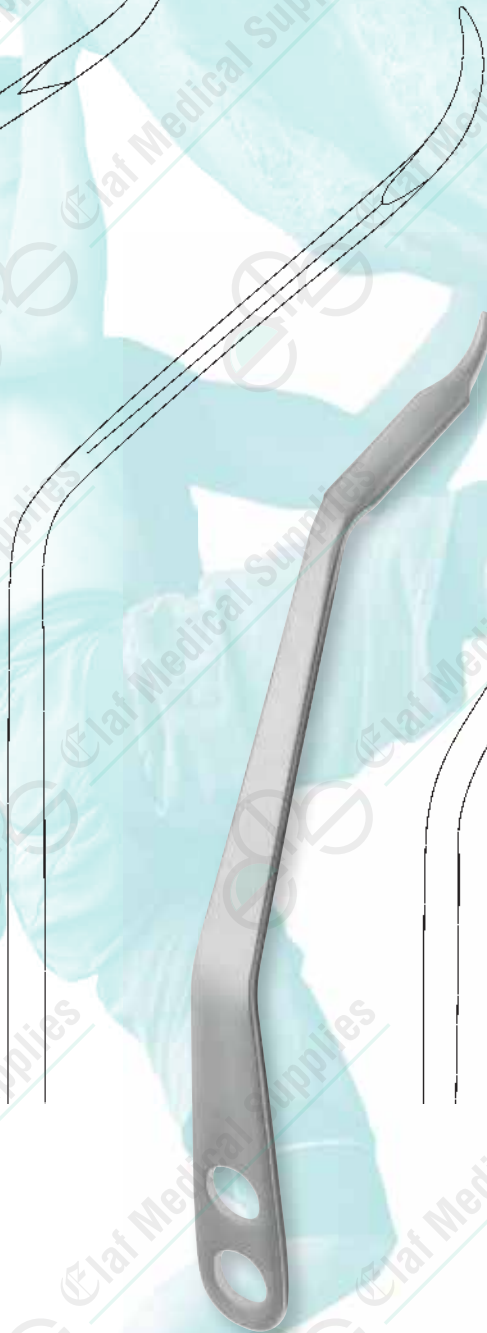
210-544-250
Bone Lever, 22mm,
with opening for impactor
250mm, 10"

210-544-320
Bone Lever, 40mm,
with opening for impactor
320mm, 12 1/2"

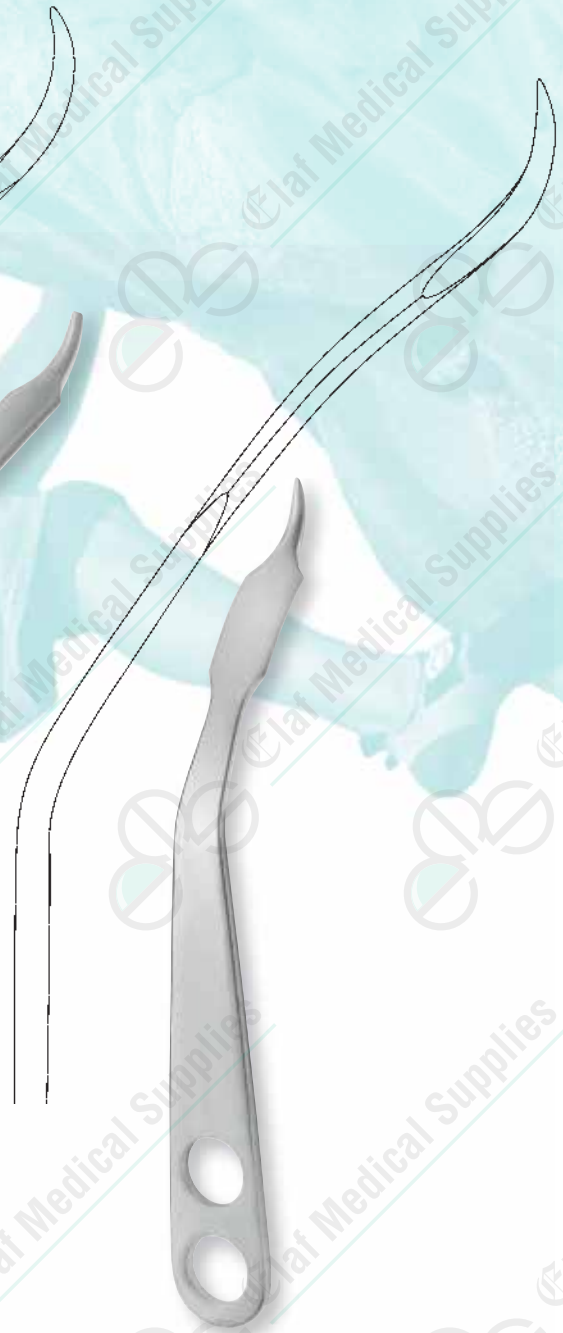
210-544-270
Bone Lever, 25mm,
with opening for impactor
270mm, 10 1/2"



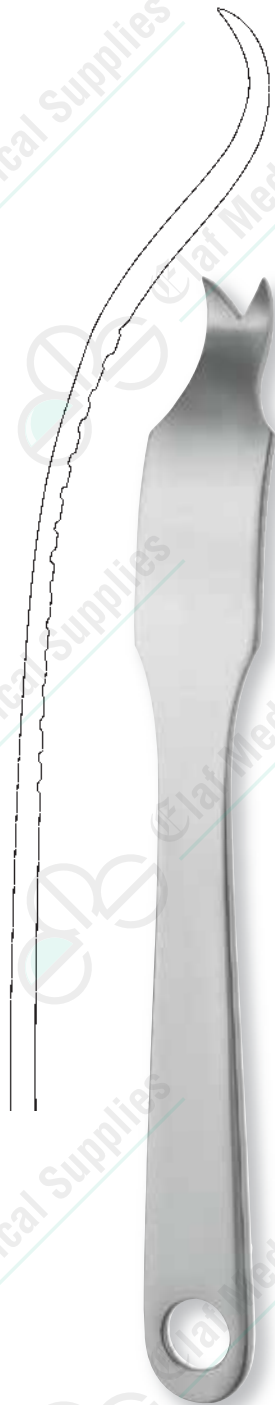
Hohmann Aldinger
210-543-270
Bone Lever, 24mm
270mm, 10¹/₂"



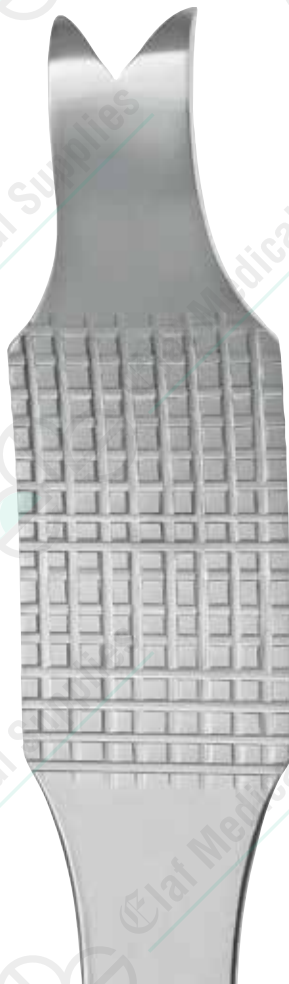
210-541-270
Bone Lever, 15mm, double-angled handle
270mm, 10¹/₂"



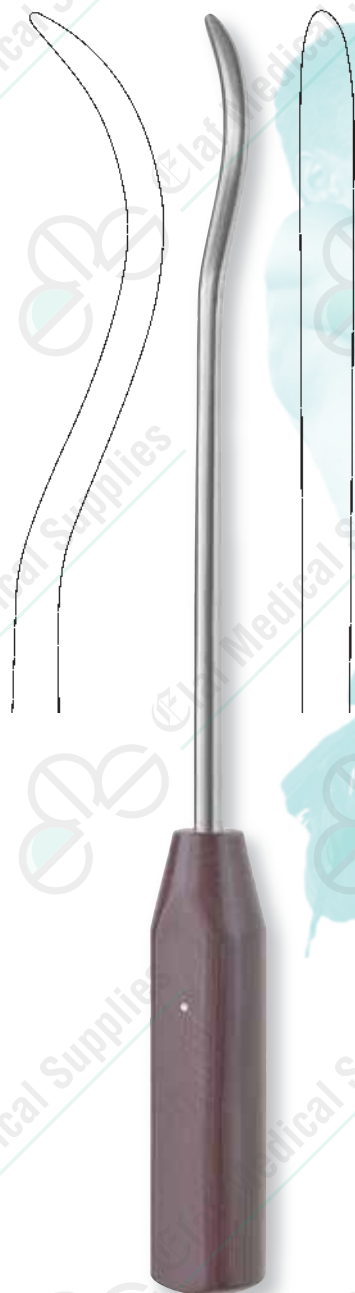
210-541-225
Bone Lever, 18mm, angled handle
225mm, 8³/₄"



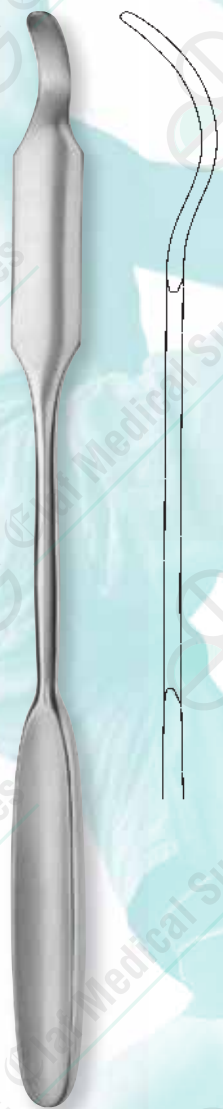
Schumacher
210-550-280
Bone Lever, 35mm
280mm, 11"



Schumacher
210-550-350
Bone Lever, 37mm, with teeth
350mm, 13^{3/4}"



Wagner
210-540-330
Bone Lever, 8mm
with Ferrozell Handle
330mm, 13"

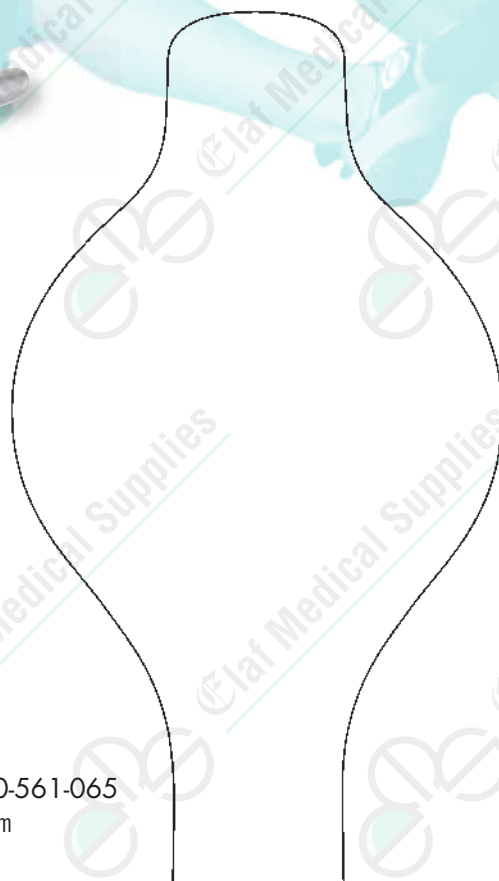


Watson-Jones
210-545-280
Bone Lever
280mm, 11"



Bennett
Bone Lever
240mm, 9 1/2"

210-561-045
45mm



210-561-065
65mm

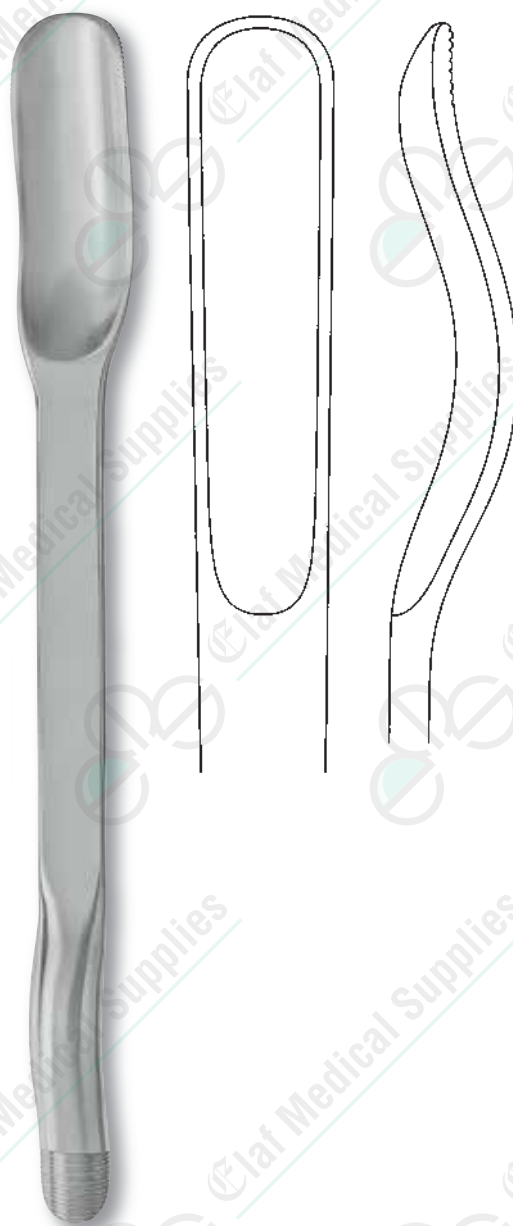


210-568-260	sharp, serrated
210-569-260	blunt, serrated
210-570-260	blunt, smooth
210-571-260	sharp, smooth

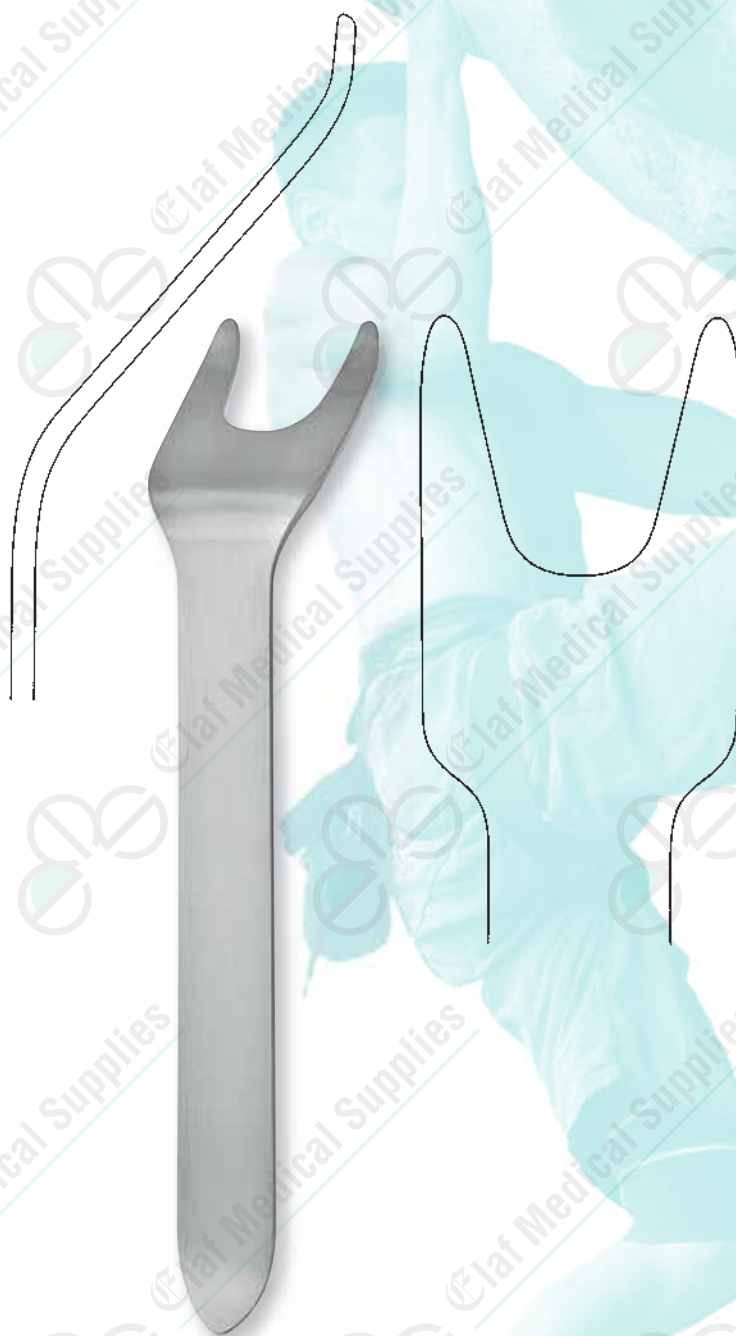


210-151-280
Luxation Lever with ferrozell
handle,
25mm
280mm, 11"

Aufranc
Cobra Retractor, 32mm
260mm, 10¹/₄"



Murphy-Lane
210-575-340
Luxation Lever, 30mm
340mm, 13¹/₃"



Blount
210-565-260
Shoulder Retractor, 2 prongs
260mm, 10²/₃"



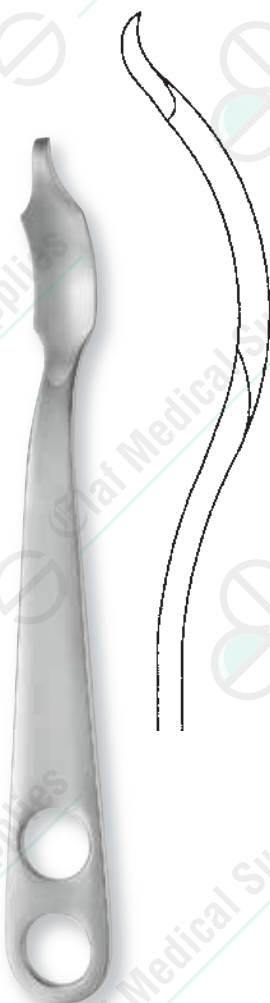
Bhattmann
259-258-600
Humeral Head Retractor,
36mm wide blade
255mm, 10"



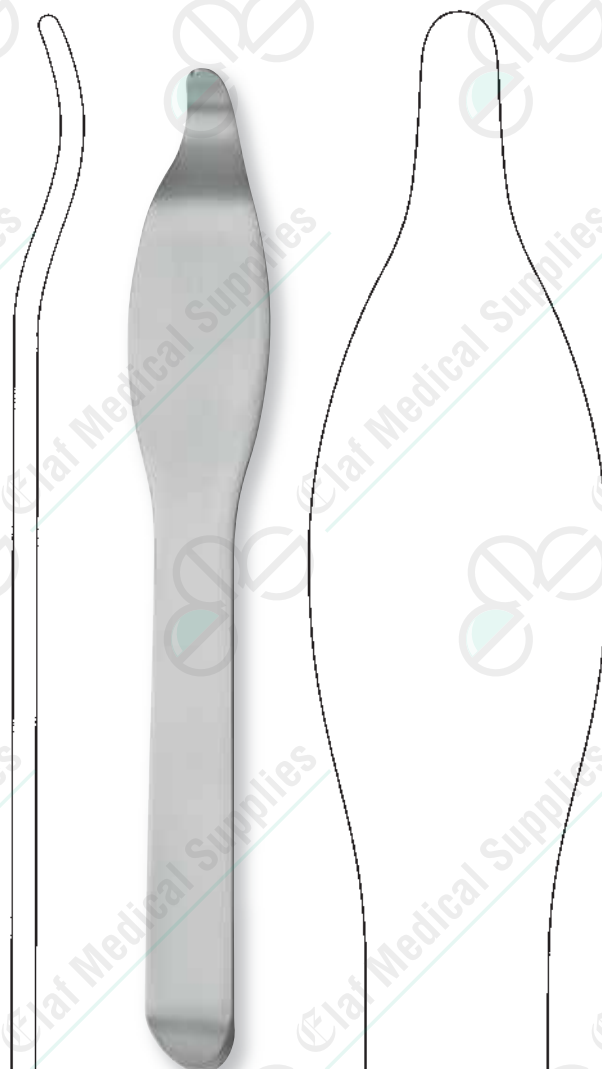
259-258-500
Humeral Head Retractor,
180mm, 7"



259-258-550
Humeral Head Retractor
190mm, 7¹/₂"



210-536-180
Humeral Head Retractor
strongly curved, 18mm wide,
with 1 blunt prong
210mm, 8³/₄"



Blunt
210-563-260
Bone Lever
260mm 10¹/₄"



Mios
210-590-240
Hip Retractor, 90°,
femoral neck tip, 22mm
300mm, 12"



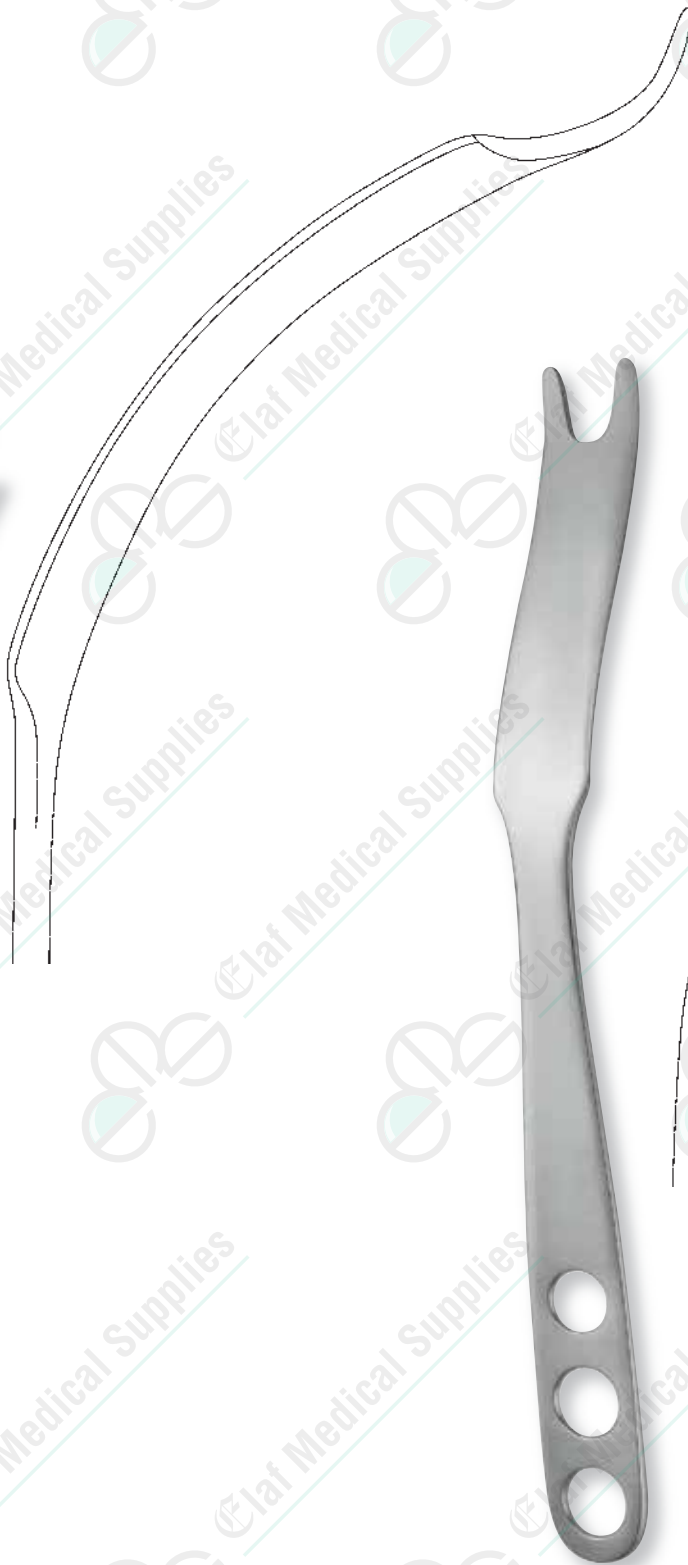
Mios
210-545-302
Hip Retractor, 45°,
blunt tip, 28mm
300mm, 12"



Mios
210-545-301
Hip Retractor, 45°,
sharp tip, 28mm
300mm, 12"



Mios
210-590-241
Hip Retractor, 90°
Blunt tip, 40mm
300mm, 12"



Mios
210-520-315
Hip Retractor
30°, U-Tip, 28 mm
315mm, 12 1/2"



Mios
210-545-300
Hip Retractor
45°, V-Tip, 28 mm
300mm, 12"



Mios
210-530-315
Hip Retractor
30°, V-Tip, 28 mm
315mm, 12 1/2"

Fits to all Hohmann Bone Levers



Multiple combinations
to increase weight

210-541-000
Weight for Bone Levers
1200gr.

Lined area for notes, featuring horizontal blue lines and a repeating watermark logo.





SECTION

B

RETRACTORS,
SKIN AND
BONE HOOKS



Elaf Medical Supplies



O'Connor
170-040-160
Fine Wound Retractor
120mm, 4 3/4"



170-010-125
Sharp



170-011-125
Blunt



Frazier
170-013-130 sharp
170-014-130 blunt
Dura-Hook
130mm, 5"



Mannerfelt
420-556-135
Hook, sharp
135mm, 5 1/4"



170-012-130
large



170-012-131
small

Jaeger
Fine Wound Hook
130mm, 5"



Cushing
170-015-140
Fine Wound Retractor
140mm, 5 1/2"



Kilner
230-203-150
Fine Wound Retractor
150mm, 6"



Kilner (Catspaw)
230-203-002
Fine Wound Retractor
150mm, 6"



230-285-160
120° retrograde curved



230-286-160
180° retrograde curved

Cottle
Tenaculum Hook
150mm, 6"



170-020-001
Fig.1



170-020-002
Fig.2



170-020-003
Fig.3

Kleinert-Kutz
Retractor
160mm, 6 1/4"



170-015-160
Fig.1



170-016-160
Fig.2



170-017-160
Fig.3



170-018-160
Fig.4

Skin Hook
160mm, 6 1/4"



Cloward
170-014-165
Fine Wound Retractor, sharp
165mm, 6 1/2"



170-041-001
Fig.1



170-041-002
Fig.2



170-041-003
Fig.3



170-041-004
Fig.4



Niro
Wound Retractor, sharp
170mm, 6 3/4"



Mannerfelt
420-557-135
Hook, sharp
135mm, 5 1/4"



Mannerfelt
420-557-155
Hook, sharp
155mm, 6"



Mannerfelt (mod.)
420-563-011
Retractor, sharp
155mm, 6"



Mannerfelt (mod.)
420-567-155
Retractor, sharp, small curve
flexible shaft
155mm, 6"



420-563-001

420-563-002

420-563-003

Mannerfelt
Hook, sharp
small curve
155mm, 6"



420-564-001

420-564-002

420-564-003

Mannerfelt
Hook, blunt
small curve
155mm, 6"



420-565-001

420-565-002

420-565-003

Mannerfelt
Hook, sharp
large curve
155mm, 6"



420-566-001

420-566-002

420-566-003

Mannerfelt
Hook, blunt
large curve
155mm, 6"



Gillies
170-237-175
Square Handle Hook, sharp
175mm, 6³/₄"



170-079-175
Square Handle Hook, sharp
175mm, 6³/₄"



230-205-180
Fig. 1



230-207-180
Fig. 2



230-209-180
Fig. 3

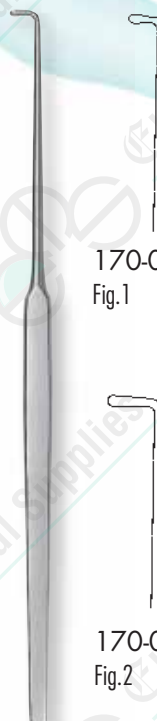
Gillies
Fine Wound Retractor, sharp
180mm, 7"



Penn-Humby
170-021-115
Double Skin Hook, sharp
115mm, 4¹/₂"



Barsky
170-019-000
170-020-000 detachable
Fine Wound Retractor
150mm, 6"
170-020-100
Double Hook tip only



170-060-001
Fig. 1



170-060-002
Fig. 2

Cushing
Nerve Hook
190mm, 7¹/₂"



170-014-001
1 prong, 150mm



170-014-002
2 prongs, 2mm wide



170-014-005
2 prongs, 5mm wide



170-014-007
2 prongs, 7mm wide



170-014-010
2 prongs, 10mm wide



Joseph
Hooklet, sharp
160mm, 6¹/₄"

Lahey
170-033-120 2 Hooks
170-034-120 3 Hooks
Wound Retractor, sharp
120mm, 4³/₄"



Fig. 1 Fig. 2



Freer
230-220-001 sharp prongs
230-220-002 blunt prongs
Skin Hook, 2.5mm wide
150mm, 6"

Guthrie
170-042-160 Fig. 1
170-044-160 Fig. 2
Hook, sharp
160mm, 6¹/₄"

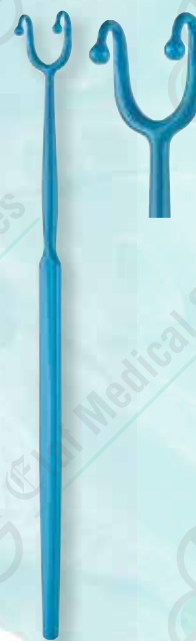
RZ
170-122-175 blunt
170-123-175 sharp
Square Handle Hook
175mm, 6³/₄"



Cottle
230-281-140 ball on right tip
230-282-140 ball on left tip
Hooklet
140mm, 5 1/2"



Fomon
230-280-160
Hooklet
160mm, 6 1/4"



Fomon
230-780-160
Hooklet, insulated
160mm, 6 1/4"



Cottle-Neivert
230-260-200
Double-Ended Retractor
220mm, 8 3/4"



Baby Senn-Miller
170-214-160 sharp
170-213-160 blunt
Retractor, 7x20mm
160mm, 6 1/4"



260-210-130
Rake Retractor
115mm, 4 1/2"



Mannerfelt (mod.)
420-570-160
Tendon Double Hook
160mm, 6 1/4"



Mannerfelt (mod.)
420-578-160
Double spatula
160mm, 6 1/4"



420-562-002



420-562-001

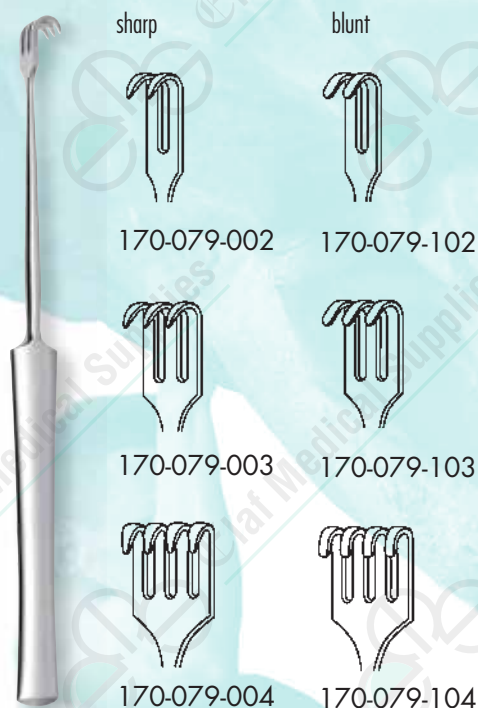
Mannerfelt (mod.)
Forked Hook,
retrograde curved
155mm, 6"



Stack
230-195-175 15mm
230-195-230 23mm
Square Handle Fork Retractor
15mm reach
175mm, 6 3/4"



170-275-175
Square Handle Retractor
15mm blade length
175mm, 6 3/4"



Rainer
Schwalbenschwanz
Wound Retractor
180mm, 7"



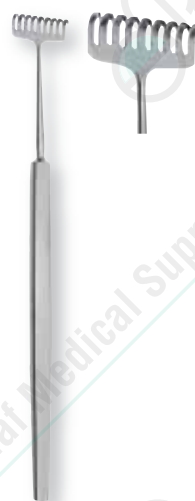
Blair (Rollet)
400-287-004 sharp
400-287-044 blunt
Retractor, 4 prongs,
6mm wide
135mm, 5 1/4"



Flexible Rake Retractor
165mm, 6 1/2"



Miller
170-081-135
Fine Wound Retractor
6 teeth, sharp,
with extra deep teeth
135mm, 5 1/4"



Miller
170-085-130 sharp
170-086-130 blunt
Fine Wound Retractor, 9 teeth
130mm, 5"



Knapp
170-080-001 sharp
170-080-002 blunt
Fine Wound Retractor
130mm, 5"

sharp



170-074-161

semi-sharp



170-077-161

blunt



170-075-161



170-074-162



170-074-163



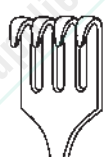
170-074-164



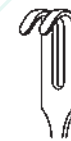
170-077-162



170-077-163



170-077-164



170-075-162



170-075-163



170-075-164



170-879-175

Square Handle Hook, 5 prongs
175mm, 6³/₄"

Retractor
165mm, 6¹/₂"

sharp



170-074-261



170-074-262

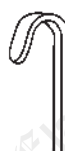


170-074-263



170-074-264

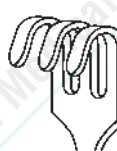
blunt



170-075-261



170-075-262



170-075-263



170-075-264



Retractor
170mm, 6³/₄"



sharp



170-220-215



semi-sharp



170-231-215



blunt



170-221-215



170-222-215



170-233-215



170-223-215



170-224-215



170-235-215



170-225-215



170-226-215



170-237-215



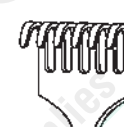
170-227-215



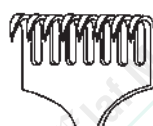
170-228-215



170-239-215



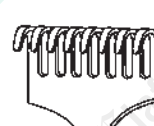
170-229-215



170-230-215



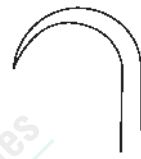
170-241-215



170-232-215



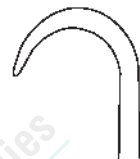
Volkmann
Retractor
215mm, 8 1/2"



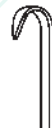
sharp



170-310-221



semi-sharp



170-312-221



blunt



170-311-221



170-310-222



170-312-222



170-311-222



170-310-223



170-312-223



170-311-223



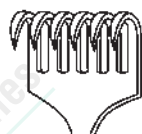
170-310-224



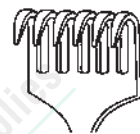
170-312-224



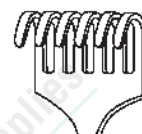
170-311-224



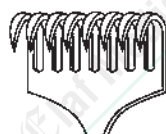
170-310-226



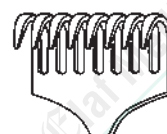
170-312-226



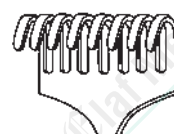
170-311-226



170-310-228



170-312-228



170-311-228



Kocher
220mm, 8⁵/₈"



170-218-008
sharp, 40x30mm

170-219-008
blunt, 40x30mm

Koerte
Retractor, 8 prongs
240mm, 9 1/2"



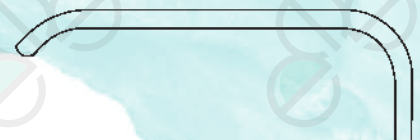
Israel
Retractor
250mm, 9 3/4"



170-220-004
4 prongs, 40x40mm



170-220-005
5 prongs, 45x50mm

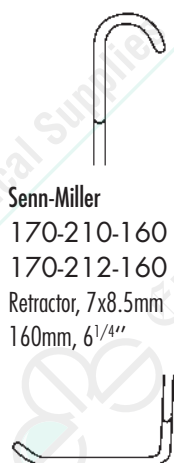


170-220-006
6 prongs, 50x60mm



170-220-007
6 prongs, 70x70mm

Koerte-Wagner
170-220-280
Retractor, 8 prongs,
semi-sharp, 25x40mm
280mm, 11"



Senn-Miller

170-210-160

170-212-160

Retractor, 7x8.5mm

160mm, 6 1/4"

sharp
blunt



Ragnell-Davis

170-207-140

Retractor, 8x4mm / 15x5.5mm

140mm, 5 1/2"

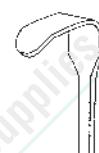


Ragnell

170-206-150

Retractor, 8x3mm / 16x5mm

150mm, 6"



170-079-181

18x7mm



170-079-182

16x5mm, serrated



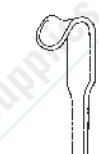
170-079-183

7x4mm, serrated



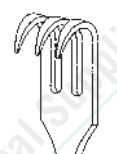
170-079-184

10x3mm



170-079-185

7x4mm



170-079-186

4x10mm, 3 prongs



Meyerdung

Retractor

180mm, 7"



Senn-Green

Retractor

150mm, 6"



170-209-150

10x6mm



170-208-150

20x6mm



Buck-Gramcko

170-296-175

Square Handle Retractor

6x25mm

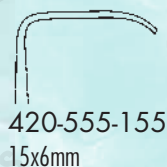
175mm, 6 3/4"



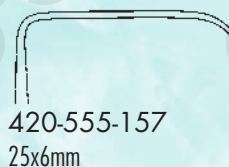
Moberg
170-136-175
Square Handle Retractor
5x17mm
175mm, 6^{3/4}"



Mannerfelt-Langenbeck
Retractor
155mm, 6"



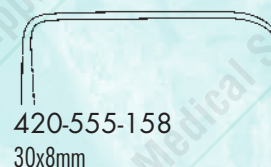
420-555-155
15x6mm



420-555-157
25x6mm



420-555-156
20x6mm



420-555-158
30x8mm



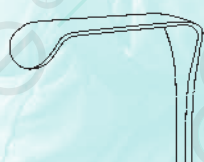
Mannerfelt (mod.)
420-568-155
Retractor, 16x6mm
with hollow groove
155mm, 6"



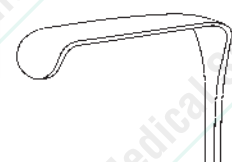
Mini-Langenbeck
Retractor
160mm, 6^{1/4}"



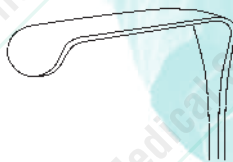
170-130-160
10x6mm



170-131-160
17x5mm



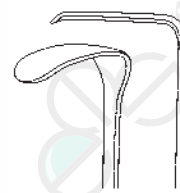
170-132-160
20x6mm



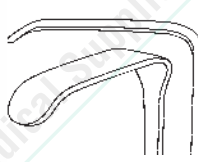
170-133-160
22x8mm



Langenbeck-Green
Retractor
160mm, 6^{1/4}"



170-314-160
16x6mm



170-314-240
24x6mm



Little
170-313-200
Retractor, 12x15mm
200mm, 8"



Desmarres
Retractor
130mm, 5"

	Blade width
170-108-130	8mm
170-110-130	10mm
170-112-130	12mm
170-114-130	14mm
170-116-130	16mm
170-118-130	18mm



Desmarres
Retractor
160mm, 6 1/4"

	Blade width
170-108-160	8mm
170-110-160	10mm
170-112-160	12mm
170-114-160	14mm
170-116-160	16mm
170-118-160	18mm



Desmarres
Blepharoplasty Retractor,
insulated

	Blade width	
170-510-130	10mm	130mm, 5"
170-513-145	13mm	140mm, 5 1/2"
170-512-160	12mm	160mm, 6 1/4"
170-513-160	13mm	160mm, 6 1/4"



Masing
420-520-140
420-520-141 insulated
Alar Retractor, 6x12mm
140mm, 5 1/2"



Cottle
420-523-140
420-523-141 insulated
Alar Retractor, 10x12mm
140mm, 5 1/2"

170-231-080	8mm
170-231-100	10mm
170-231-120	12mm
170-231-140	14mm
170-231-160	16mm
170-231-180	18mm

Blade width



420-556-155
12x12mm



420-556-156
12x14mm



420-556-157
14x16mm

Mannerfelt-Saddle

Retractor

155mm, 6"



Kasden

170-130-165

171-130-165 insulated

Retractor, Double-ended
165mm, 6 1/4"

Cushing
Retractor
200mm, 7 3/4"



Cushing
Retractor
240mm, 9 1/2"

170-233-080	8mm
170-233-100	10mm
170-233-120	12mm
170-233-140	14mm
170-233-160	16mm
170-233-180	18mm

Blade width



Desmarres

260-118-150

260-118-151 insulated

Lid Retractor, Double-ended

8mm / 10mm

150mm, 5 1/2"





Langenbeck
Retractor
210mm, 8¹/₄"



Kocher-Langenbeck
Retractor
215mm, 8¹/₂"

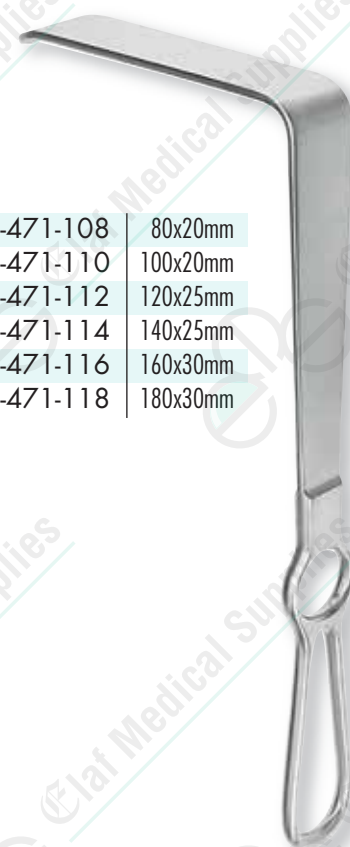
170-317-022	22x6mm
170-317-025	25x8mm
170-317-026	25x6mm
170-317-035	35x8mm
170-317-036	35x11mm
170-317-037	35x15mm
170-317-040	40x11mm
170-317-055	55x11mm
170-317-070	70x15mm
170-317-080	80x12mm
170-317-081	80x15mm

170-227-210
63x20mm

170-226-210
60x20mm

170-225-210
55x20mm

170-471-108	80x20mm
170-471-110	100x20mm
170-471-112	120x25mm
170-471-114	140x25mm
170-471-116	160x30mm
170-471-118	180x30mm



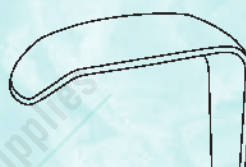
Brunner
Retractor
210mm, 8¹/₄"



Langenbeck
Retractor, solid handle ❶
220mm, 8⁵/₈"



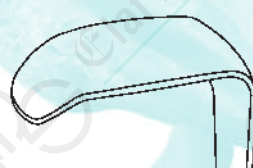
Langenbeck
Retractor, ring handle ❷
220mm, 8⁵/₈"



30x11mm
170-222-220 ❶
170-293-001 ❷



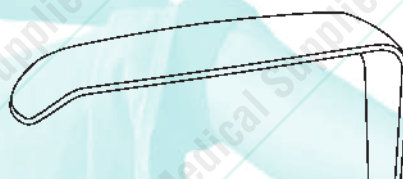
30x14mm
170-222-221 ❶
170-293-002 ❷



30x16mm
170-222-222 ❶
170-293-003 ❷



40x11mm
170-222-223 ❶
170-293-004 ❷



50x11mm
170-222-224 ❶
170-293-005 ❷



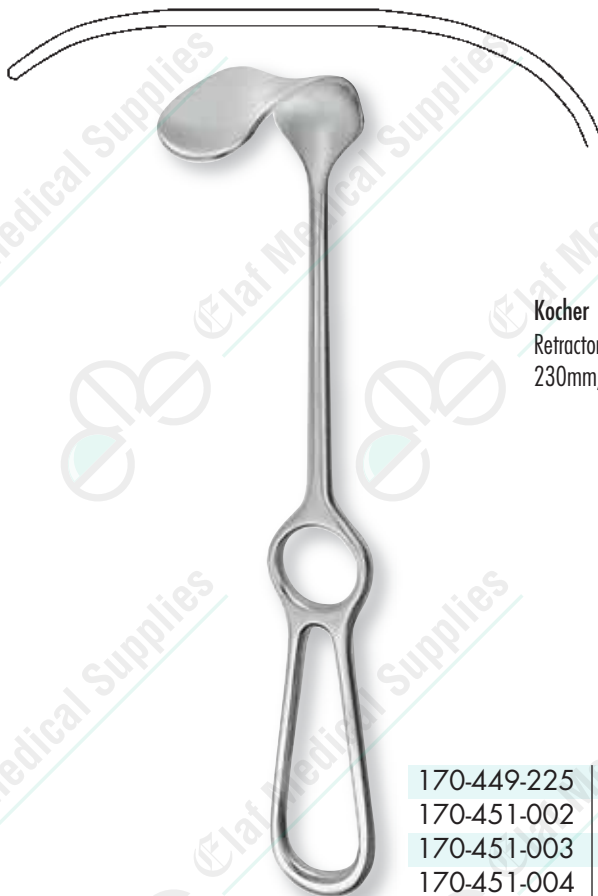
Sauerbruch
Retractor
225mm, 8^{3/4}"

170-561-001	46x16mm
170-561-002	55x22mm
170-561-003	72x19mm



Kocher
Retractor
230mm, 9"

170-315-018	40x18mm
170-315-020	60x20mm
170-315-025	60x25mm
170-315-030	75x30mm
170-315-040	75x40mm



Kocher
Retractor

170-449-225	70x25mm	220mm, 9"
170-451-002	80x42mm	250mm, 10"
170-451-003	80x50mm	250mm, 10"
170-451-004	80x60mm	250mm, 10"



Doyen-Stille
Hand Held Retractor
220mm, 8⁵/₈"

170-440-001	120x52mm
170-440-002	105x30mm
170-440-003	90x28mm



Simon
170-457-001 115x22mm
170-457-002 115x27mm
Abdominal Retractor
280mm, 11"



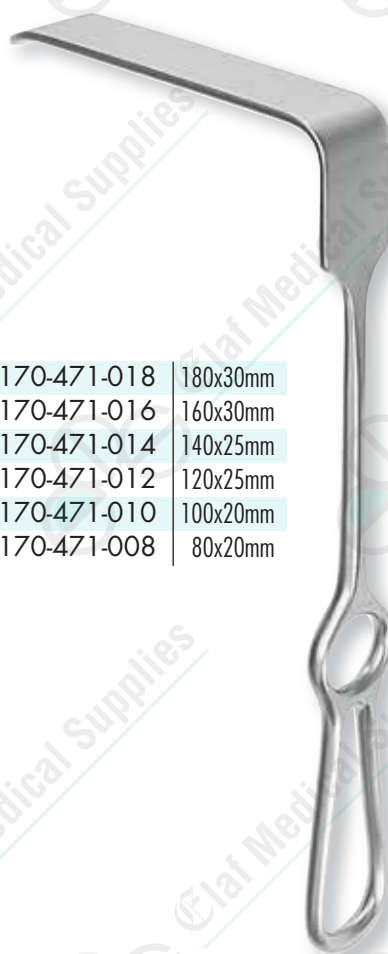
Meyerding
Retractor, fine serrated
225mm, 8³/₄"

170-490-500	90x50mm
170-475-160	75x25mm
170-450-160	50x16mm



Coryllos
Thorax Retractor
240mm, 9¹/₂"

170-461-003	115x65 mm
170-461-002	108x43 mm
170-461-001	82x22 mm



Brunner
Retractor
250mm, 10"

170-471-018	180x30mm
170-471-016	160x30mm
170-471-014	140x25mm
170-471-012	120x25mm
170-471-010	100x20mm
170-471-008	80x20mm



Morris
Retractor
245mm, 9⁵/₈"

170-465-380	70x38mm
170-465-510	70x50mm



Mikulicz
170-607-260
Retractor, 90x50mm
260mm, 10¹/₄"

170-489-001	85x35mm
170-489-002	120x50mm
170-489-003	150x50mm



Mikulicz
Retractor
260mm, 10¹/₄"



170-319-250	36x8mm	250mm, 10"
170-319-260	60x12mm	260mm, 10 ¹ / ₄ "
170-319-270	75x12mm	275mm, 10 ³ / ₄ "

170-531-260	160x38mm
170-530-260	160x57mm
170-533-260	190x38mm
170-532-260	190x57mm

Zenker
Retractor

Kelly
Retractor
270mm, 10¹/₂"



Gil-Vernet
Retractor
245mm, 9^{5/8}"

	Blade width
170-235-080	8mm
170-235-110	11mm
170-235-130	13mm
170-235-150	15mm
170-235-170	17mm
170-235-200	20mm



Gil-Vernet
Retractor, malleable
280mm, 11"

	Blade width
170-237-080	8mm
170-237-110	11mm
170-237-130	13mm
170-237-150	15mm
170-237-170	17mm
170-237-200	20mm



Cushing
170-235-210
Vein Retractor
12mm x 10mm blade
230mm, 9"

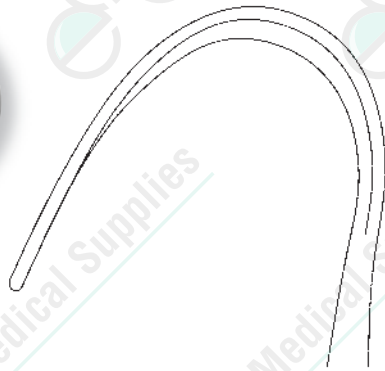
	Blade width
170-383-001	28x20mm
170-383-002	36x28mm
170-383-003	44x38mm
170-383-004	52x22mm
170-383-005	65x50mm
170-383-006	70x65mm



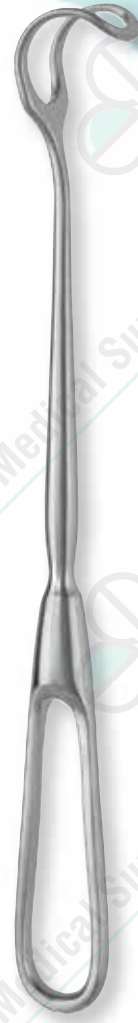
Richardson (Kelly)
Retractor
240mm, 9^{1/2}"



170-447-040	45x40mm
170-447-050	45x50mm
170-447-060	45x60mm
170-447-075	45x75mm
170-447-085	65x85mm



230-140-175	12x14mm
230-160-175	13x16mm
230-190-175	14x19mm
Square Handle Blade Retractor	
175mm, 6 ⁵ / ₈ "	



Fritsch
Retractor
240mm, 9¹/₂"

Green
170-319-220
Retractor
20mm width x 23mm depth
fenestrated blade
220mm, 8¹/₂"



Middeldorpf
Retractor

170-363-001	14x17mm	215mm, 8 ¹ / ₂ "
170-363-002	20x22mm	220mm, 8 ⁵ / ₈ "
170-363-003	26x30mm	235mm, 9 ¹ / ₄ "



Middeldorpf
Retractor

170-325-001	14x17mm	215mm, 8 ¹ / ₂ "
170-325-002	20x22mm	220mm, 8 ⁵ / ₈ "
170-325-003	26x30mm	235mm, 9 ¹ / ₄ "



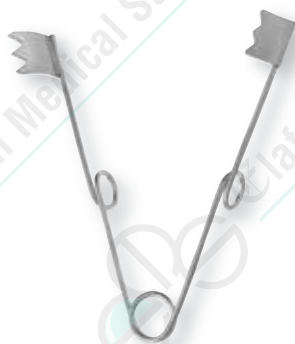
Middeldorpf
Retractor
255mm, 10"

170-443-001	40x45mm
170-443-002	45x50mm
170-443-003	55x70mm



170-915-018

Vickers
Finger Retractor, 2x2 blunt Hooks



170-712-080

Farr
Spring Retractor, 85 mm,
self retaining



Alm
Retractor, 4x4 teeth,
self retaining

sharp

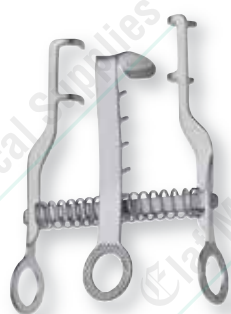
170-714-070	70mm, 2 ³ / ₄ "
170-714-100	100mm, 4"

semi-sharp

170-716-070	70mm, 2 ³ / ₄ "
170-716-100	100mm, 4"

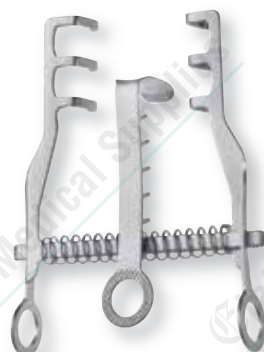
blunt

170-715-070	70mm, 2 ³ / ₄ "
170-715-100	100mm, 4"



170-915-002

Vickers
Low profile Retractor complete with
center blade 10x18mm
for hand and carpal tunnelling



170-916-002

Vickers
Low profile Retractor complete with
center blade 10x18mm
for hand and forearm



170-917-002

Vickers
Low profile Retractor complete with
center blade 10x18mm
finger and small Wound Retractor



170-717-100
Holzheimer
Retractor, 4x4 teeth, blunt, 4mm,
100mm, 4"



170-720-100 sharp
170-721-100 sharp/blunt
170-723-100 blunt
Jansen
Retractor, 3x3 teeth
100mm, 4"



170-749-105 sharp
170-748-105 blunt
Weilerner-Loktite
Retractor, 2x3 teeth
120mm, 4^{3/4}"



170-752-130 sharp
170-753-130 blunt
Weilerner-Wullstein
Retractor, 3x3 teeth
130mm, 5"



Weilerner
Retractor, 3x4 teeth

170-750-130	sharp	130mm, 5"
170-751-130	blunt	130mm, 5"
170-750-165	sharp	165mm, 6 ^{1/2} "
170-751-165	blunt	165mm, 6 ^{1/2} "

170-734-200	sharp	200mm, 8"
170-735-200	blunt	200mm, 8"
170-734-240	sharp	240mm, 9 ^{1/2} "
170-735-240	blunt	240mm, 9 ^{1/2} "



Adson
Baby Retractor with hinged blades,
3x4 teeth

sharp		
170-795-130	15x20mm	130mm, 5"
170-795-160	15x20mm	160mm, 6 ^{1/4} "

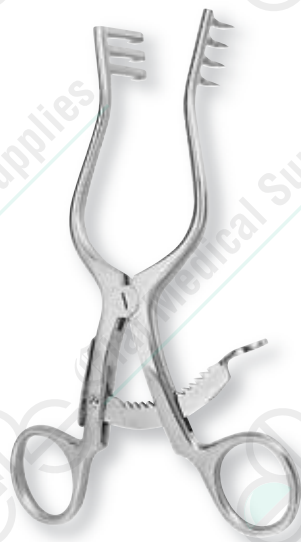
blunt		
170-794-130	15x20mm	130mm, 5"
170-794-160	15x20mm	160mm, 6 ^{1/4} "



170-768-130
Milligan
Retractor, 3x3 teeth
130mm, 5"



170-767-130
Weitlanger-Baby
Retractor, 130mm, 5"



170-725-140 sharp
170-727-140 blunt
Scalp-Contour
Retractor, 3x4 teeth,
140mm, 5 1/2"



170-754-155
Mollison
Retractor, sharp, 4x4 teeth,
155mm, 6"



Wullstein
Retractor, 3x4 teeth

170-742-105	sharp	105mm, 4 1/8"
170-743-105	blunt	105mm, 4 1/8"
170-742-130	sharp	130mm, 5"
170-743-130	blunt	130mm, 5"
170-742-150	sharp	150mm, 6"
170-743-150	blunt	150mm, 6"
170-742-180	sharp	180mm, 7"
170-743-180	blunt	180mm, 7"



170-758-125 sharp
170-759-125 blunt
Schuhknecht
Retractor, 125mm, 5"



170-728-160 sharp
170-729-160 blunt
Adson-Baby
Retractor, 3x4 teeth, sharp
160mm, 6^{1/4}"



170-732-200
Adson-Anderson
Retractor, angled, 4x4 teeth, sharp
200mm, 8"



170-776-220
Adson-Anderson
Retractor, 4x5 teeth, blunt
220mm, 8^{3/4}"



Adson
Retractor

170-730-265	3x4, sharp	265mm, 10 ¹ / ₂ "
170-731-265	3x4, blunt	265mm, 10 ¹ / ₂ "
170-732-265	5x6, sharp	270mm, 10 ³ / ₄ "
170-731-265	5x6, blunt	270mm, 10 ³ / ₄ "



Adson
Retractor, 3x4 teeth

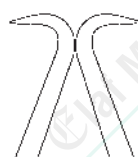
170-795-200	sharp	200mm, 8"
170-794-200	blunt	200mm, 8"
170-795-260	sharp	260mm, 10 ¹ / ₄ "
170-794-260	blunt	260mm, 10 ¹ / ₄ "



170-786-001 sharp
170-786-000 blunt
Beckmann-Adson
Retractor, 4x4 teeth
310mm, 12¹/₄"

170-784-320
Adson
Retractor, 4x5 teeth, blunt
320mm, 12¹/₂"

170-788-320 sharp
170-789-320 blunt
Beckmann-Eaton
Retractor, 7x7 teeth
320mm, 12¹/₂"



Gelpi
Retractor, sharp points

170-802-090
90mm, 3 1/2"

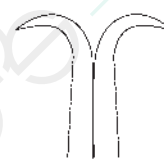
170-802-110
115mm, 4 1/2"

170-802-135
140mm, 5 1/2"

170-802-190
190mm, 7 1/2"



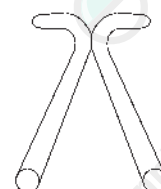
Gelpi
170-802-180
Perineal Retractor
180mm, 7"



170-745-100 100mm, 4"
170-745-170 170mm, 6 3/4"
DeBakey
Retractor



Jackson-Burrows
170-776-175 blunt
170-777-175 sharp
Retractor, 175mm, 7"





Gelpi-Lokite
170-803-180
Retractor, sharp points
175mm, 7"



Wiltse-Gelpi
170-805-250
Retractor, sharp points
280mm, 11"



Lined area for notes, featuring horizontal blue lines and a repeating watermark logo.





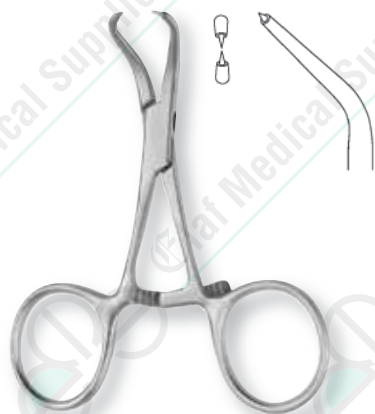
SECTION



BONE HOLDING



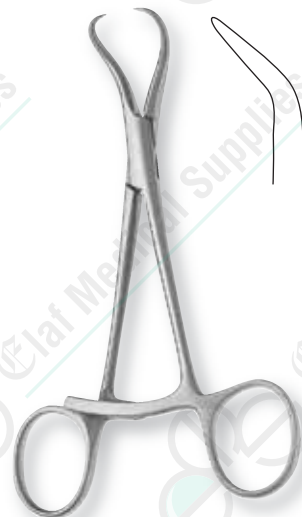
Elaf Medical Supplies



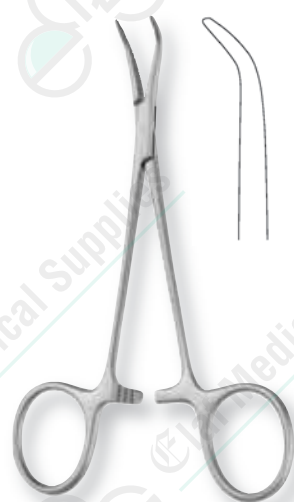
210-651-095
Reposition Forceps
95mm, 3³/₄"



210-651-130
Reposition Forceps for
maxillary reposition
135mm, 5¹/₄"



Steinhauser
210-651-135
Reposition Forceps with extra long ratchet
135mm, 5¹/₄"



210-649-120
Bone Holding Forceps
Very fine model
120mm, 4³/₄"



210-631-120
Bone Fragment Clamp
120mm, 4³/₄"

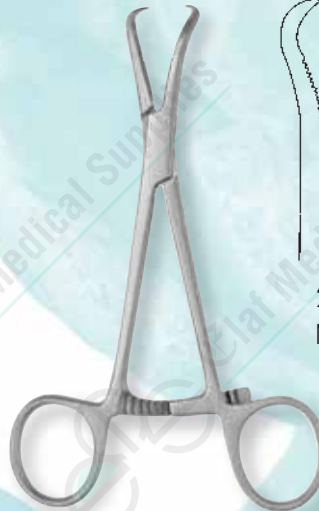


Stagbeetle
210-651-120
Reposition Forceps, curved fine tips,
for small fragments
120mm, 4³/₄"

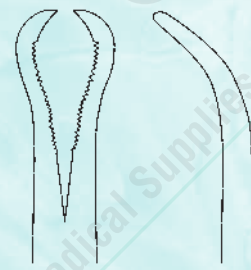


210-665-135
Bone Reduction Forceps, curved
with stepped point
135mm, 5¹/₄"

210-665-170
170mm, 6³/₄"



210-650-135
Narrow



210-649-135
Normal



200-511-145
Ø 1.1mm
200-513-145
Ø 1.3mm
200-516-145
Ø 1.6mm

Bone Holding Forceps
with guide for K-wire
145mm, 5³/₄"



200-518-150
Bone Holding Forceps
with guide for K-wire 1.8mm
150mm, 6"



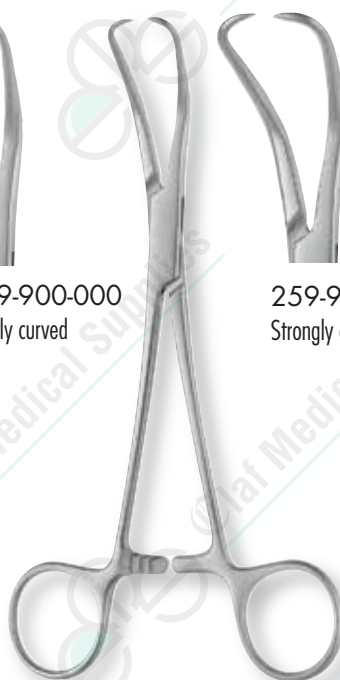
Haase
210-251-165
Reposition Forceps
165mm, 6¹/₂"



Reill
210-649-170
Reposition Forceps
170mm, 6³/₄"



259-900-000
Lightly curved



259-900-001
Strongly curved

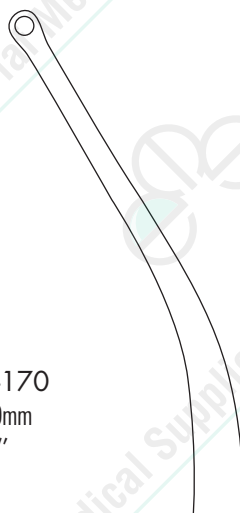
Bankart
Perforating Forceps
170mm, 6³/₄"



210-651-200
Reposition Forceps
200mm, 8"



210-650-170
For K-Wire 1.0mm
170mm, 6³/₄"



210-650-200
For K-Wire 2.0mm
200mm, 8"

Meyer
Reposition Forceps for Finger
with drill guide



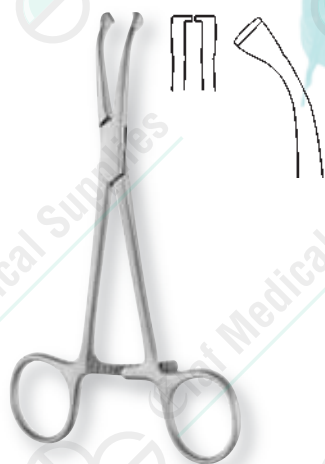
210-650-140
Hand Bone Holding Forceps
140mm, 5 1/2"



Locke
210-628-150
Phalangeal Forceps, 1x2 teeth,
serrated jaws
150mm, 6"



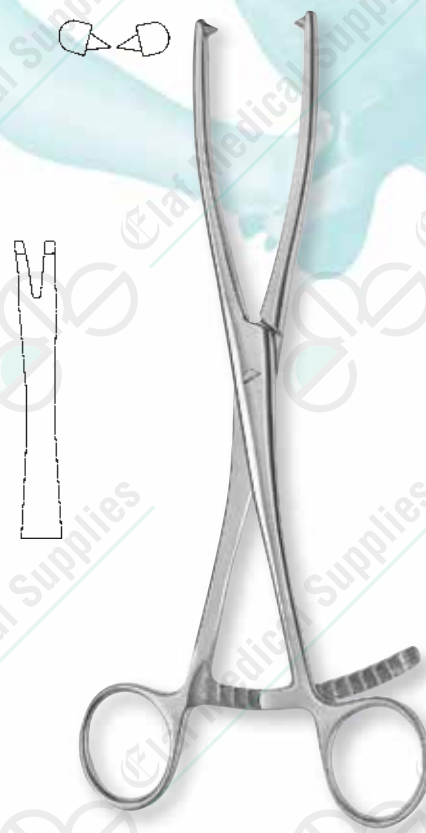
210-718-140
Reposition Forceps,
with ratchet fixation, 140mm, 5 1/2"



210-613-120
Plate- and Bone Holding Forceps, curved,
positioning small fragment Bone plates
120mm, 4 3/4"



210-629-150
Sesamoidectomy Clamp,
slightly curved
150mm, 6"



Meyer
210-656-210
Malleolar Reposition Forceps
210mm, 8 1/3"



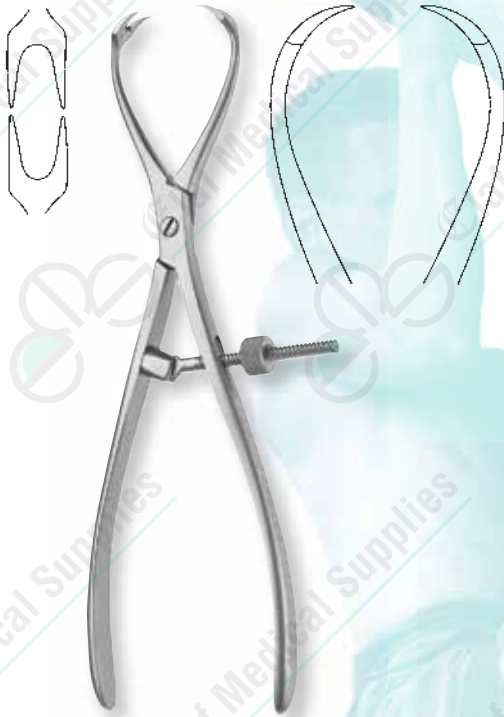
Lewin
210-618-175
Bone Holding Forceps,
serrated, slightly curved
180mm, 7 1/8"



Dingmann
210-625-190
Bone Holding Forceps,
delicate pattern
190mm, 7 1/2"



Dingman
210-626-190
Bone Holding Forceps, heavy pattern
190mm, 7 1/2"



210-654-185
Patella Holding Forceps
185mm, 7^{1/4}"



Frosch
210-726-180
Bone Holding Forceps
180mm, 7"



210-659-210
Fibula Forceps, angled working end,
with speed lock
210mm, 8^{1/4}"



210-657-200
Bone Holding Forceps
200mm, 8"



Semb
210-623-190
Bone Holding Forceps,
curved sideways
190mm, 7 1/2"



Fergusson
210-724-210
Bone Holding Forceps
210mm, 8 1/4"



Langenbeck
210-722-210
Bone Holding Forceps
210mm, 8 1/4"



Semb
210-624-190
Bone Holding Forceps,
lateral curved, with ratchet
190mm, 7 1/2"



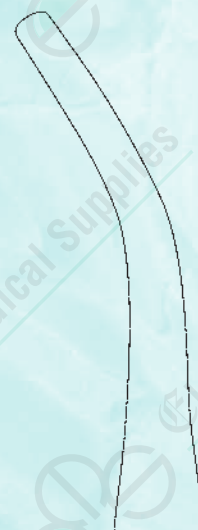
Setter
Bone Holding Forceps, curved
with speed lock



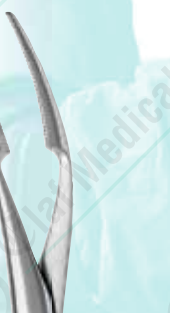
210-719-160
160mm, 6 1/4"



210-719-220
225mm, 9"



210-610-200
Sequesterum Forceps, straight
200mm, 8"



210-611-200
Curved
200mm, 8"



Van Buren
210-615-230
Sequesterum Forceps, curved
230mm, 9"



Farabeuf-Lambotte
210-634-200
Bone Holding Forceps
10 mm jaw
200mm, 8"



Adjustable jaw



Farabeuf
Bone Holding Forceps
210-630-230
230mm, 9"

210-630-260
260mm, 10¹/₄"



Farabeuf-Lambotte
Bone Holding Forceps
210-634-260
260mm, 10¹/₄"



Kern
210-621-150
Bone Holding Forceps
with ratchet
150mm, 6"



210-621-210
230mm, 9"



210-621-170
170mm, 6²/₃"



Kern
Bone Holding Forceps, without ratchet
210-620-210
210mm, 8¹/₄"
210-620-170
170mm, 6²/₃"



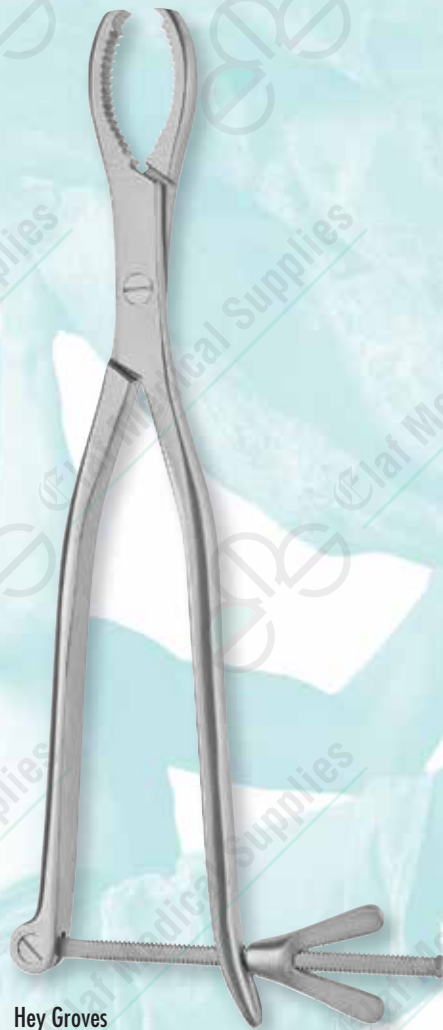
Kern
Bone Holding Forceps
with ratchet



Lane
210-610-330 330mm, 13"
210-610-450 450mm, 17³/₄"
Bone Holding Forceps
without ratchet



Lane
210-612-330 330mm, 13"
210-612-450 450mm, 17³/₄"
Bone Holding Forceps,
with ratchet



Hey Groves
210-600-270
Bone Holding Forceps,
7.5mm jaw width
270mm, 10³/₄"



Hey Groves
210-600-230
Bone Holding Forceps,
6.5mm jaw width
210mm, 8"



Hey Groves
210-600-300
Bone Holding Forceps,
8.5mm jaw width
300mm, 12"



210-605-170
175mm, 6³/₄"



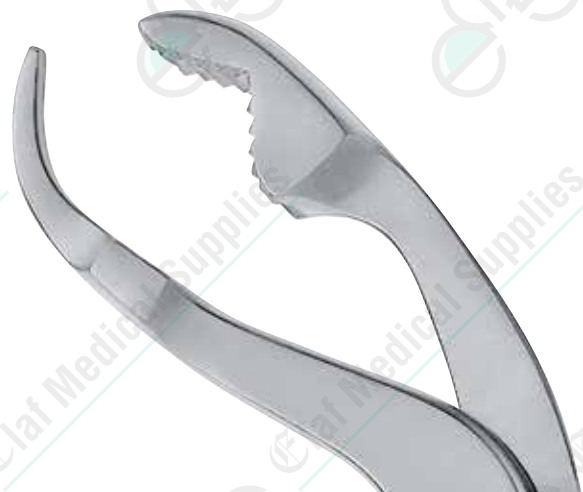
210-605-250
250mm, 10"



210-605-260
260mm, 10¹/₂"



Verbrugge
Bone Holding Forceps



210-605-270
270mm, 11"



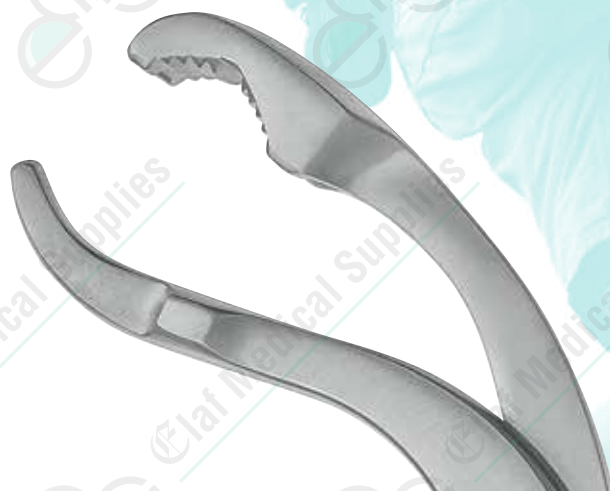
210-603-150
150mm, 6"



210-603-190
190mm, 7 1/2"



210-603-240
240mm, 9 1/2"



210-603-260
260mm, 10 1/4"



210-603-280
280mm, 11"

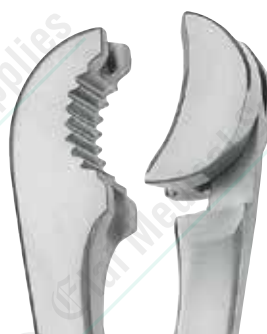
Verbrugge
Bone Holding Forceps,
self-centering



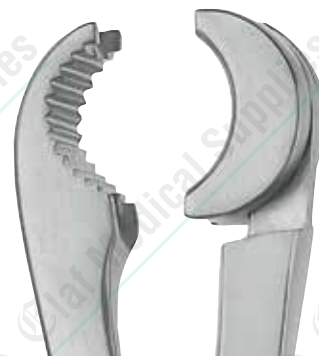
Movable Jaw



210-640-220
10mm jaw width
220mm, 8³/₄"



210-640-270
11mm jaw width
270mm, 10¹/₂"



210-640-300
12mm jaw width
300mm, 12"



Movable Jaw

Lambotte
Bone Holding Forceps
with movable jaw



210-645-230
14mm jaw width
230mm, 9"



Lambotte
Bone Holding Forceps
with movable jaw



210-645-260
16mm jaw width
260mm, 10¹/₄"



Movable Jaw



Lambotte
Bone Holding Forceps



210-642-260
13mm jaw width
260mm, 10¹/₄"



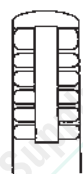
210-642-220
10mm jaw width
220mm, 8³/₄"



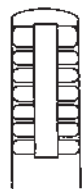
210-642-330
16mm jaw width
330mm, 13"



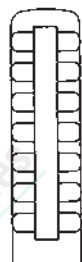
Ulrich
Bone Holding Forceps
straight



210-602-190
190mm, 7½"
Fig.0



210-602-230
230mm, 9"
Fig.1



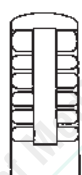
210-602-250
250mm, 10"
Fig.2



210-602-280
280mm, 11"
Fig.3



Ulrich
Bone Holding Forceps
laterally angled



210-601-190
190mm, 7½"
Fig.0



210-601-230
230mm, 9"
Fig.1



210-601-250
250mm, 10"
Fig.2



210-601-280
280mm, 11"
Fig.3



210-414-190
Oblique Pelvic Reposition
Forceps, small, with ball
tips, speed lock
190mm, 7½"



210-416-230
Pelvic Reposition For-
ceps, with ball tips,
speed lock
230mm, 9⅝"



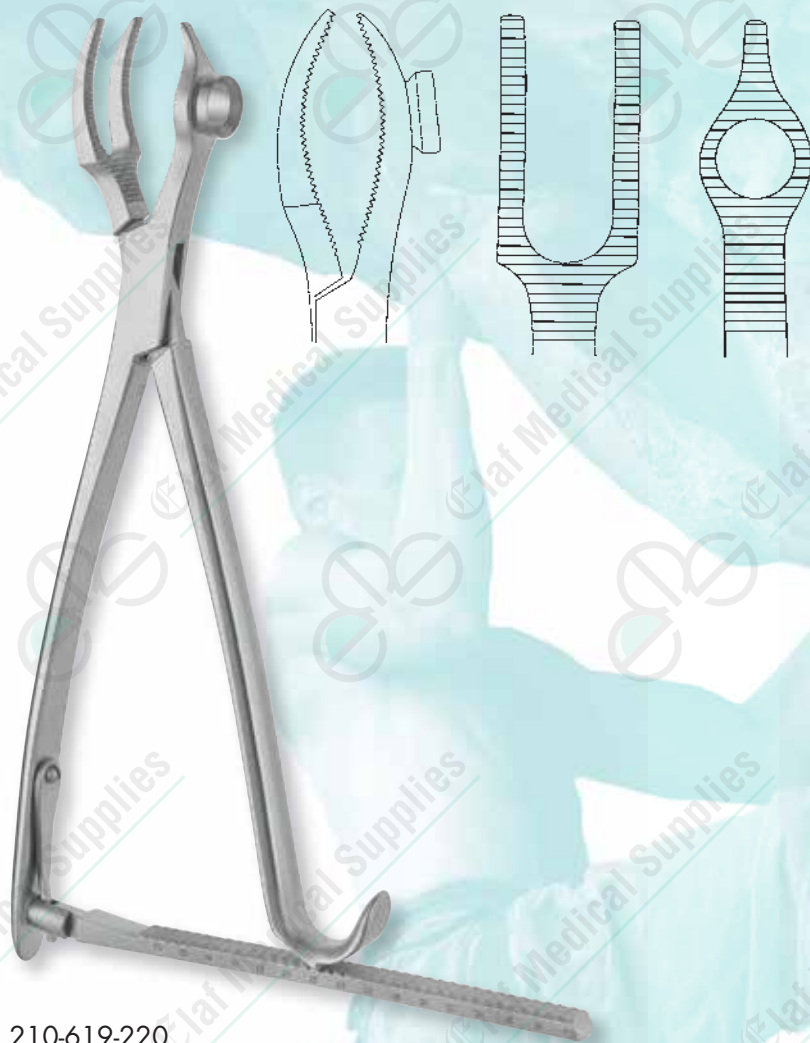
210-415-230
Oblique Pelvic Reposition
Forceps, large, with ball
tips, speed lock
230mm, 9⅝"



210-418-400
Pelvic Reduction Forceps,
with 1x2 ball tips, speed lock
400mm, 16"



210-416-400
Pelvic Reposition For-
ceps, with ball tips,
speed lock
400mm, 16"



210-619-220
Bone Holding Forceps,
with scaled ratched
max. opening of jaw 40mm
220mm, 8³/₄"

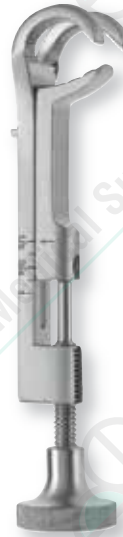


200-250-340
Pelvic Reduction Forceps
with quick lock
350mm, 13¹/₂"



210-982-130	130mm, 5"
210-982-185	185mm, 7 ¹ / ₂ "
210-982-200	200mm, 8"

Lowman
Bone Holding Clamp
1x1 teeth



210-980-130	130mm, 5"
210-980-185	185mm, 7 ¹ / ₂ "
210-980-200	200mm, 8"
210-980-220	220mm, 8 ² / ₃ "

Lowman
Bone Holding Clamp
1x2 teeth



210-987-185	185mm, 7 ¹ / ₂ "
210-987-200	200mm, 8"

Lambert-Lowman
Bone Holding Clamp
2x2 teeth

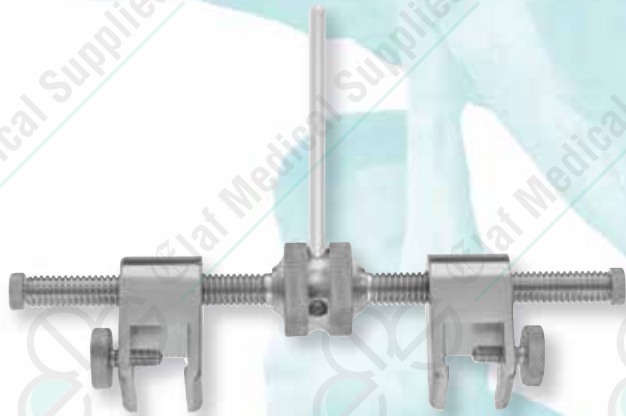


210-815-175	175mm, 7"
210-815-205	200mm, 8"



Rotatable

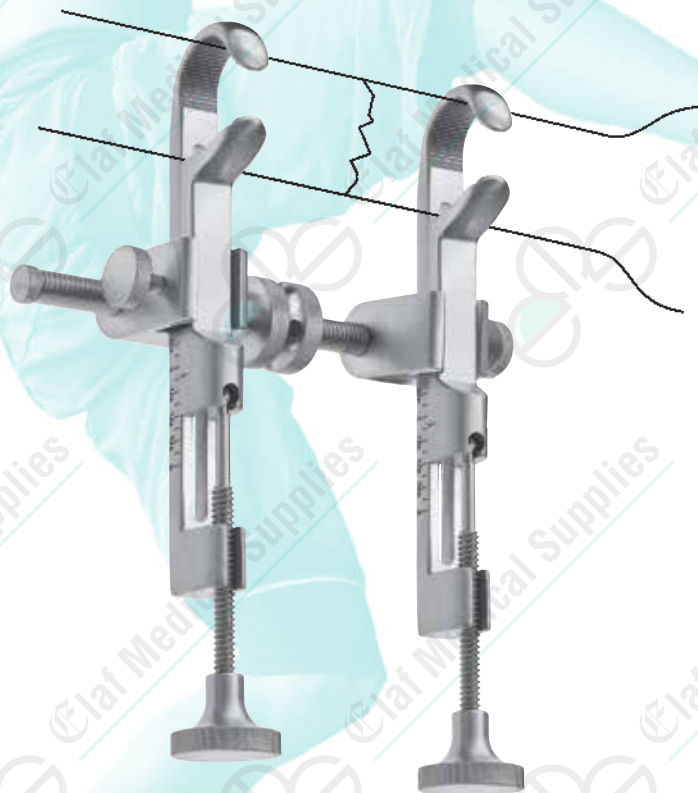
Lowman-Hoglund
Bone Holding Clamp
2x2 teeth



Gerster
210-981-150
Traction Bar, max. Ø 25mm
160mm, 6 1/3''



Gerster
210-981-151
Spare Bolt for 210-981-150





NOTES

Notes

Lined area for notes, featuring horizontal blue lines and a repeating watermark of the Elaf Medical Supplies logo.



Elaf Medical Supplies



SECTION



CARTILAGE AND
TENDON



Elaf Medical Supplies



100-615-210
Jaw width 1.5mm

005-675-210
Jaw width 5mm

Tendon Grasping Forceps
100mm, 4"



002-675-210
Jaw width 2mm



155-584-140
Tendon Grasping Forceps
155mm, 6"

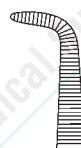


001-354-140
light curve

Halsted-Mosquito
Tendon Grasping Forceps
125mm, 5"



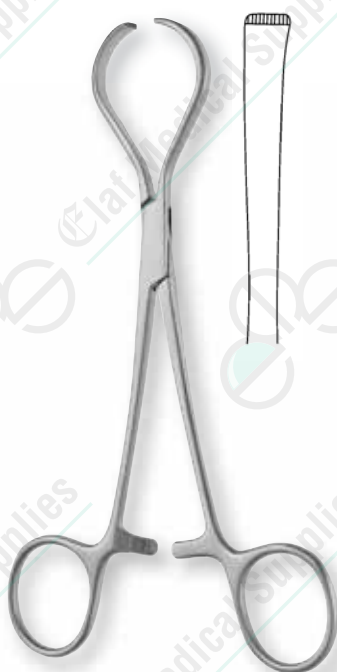
002-354-140
medium curve



003-354-140
strong curve



Englert
145-355-140
Tendon Grasping Forceps
4x5 atraumatic teeth
145mm, 5⁴/₃"



Ombredanne (Iselin)
160-583-140
Tendon Holding Forceps
4x5 teeth
160mm, 6¹/₄"



150-682-210
straight

Tendon interlacing Forceps
150mm, 6"



150-683-210
curved

150-684-210
strongly curved
(without illustration)



120-650-210
Tendon Seizing Forceps
with 3 pins
120mm, 4^{4/3}"



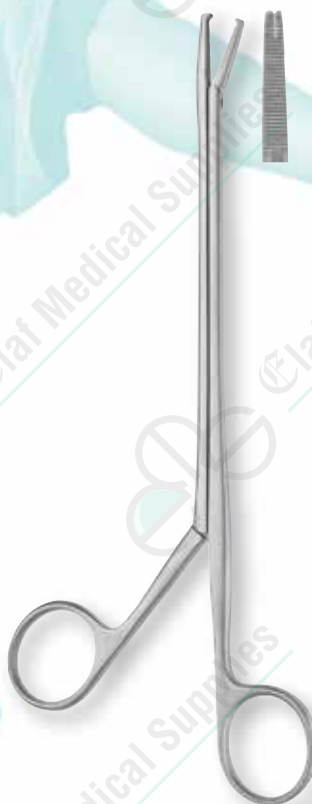
Steinmann
160-674-210
Tendon Seizing Forceps
160mm, 6^{4/1}"



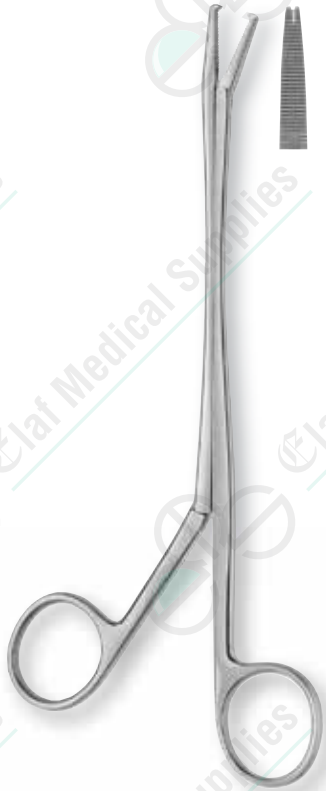
Carroll
110-679-210
Tendon Forceps, curved
110mm, 4^{8/1}"



Hoen
120-660-210
Tendon Grasping Forceps, 1x2 teeth
120mm, 5^{2/1}"



Anderson
205-664-210
Brand Tendon Retriever
light model
205mm, 8"



Brand
150-665-210
150mm, 6"
190-665-210
190mm, 7²/₁"
240-665-210
245mm, 9⁴/₃"
Tendon Seizing Forceps



Brand
250-663-210
Tendon Seizing Forceps
curved
250mm, 10"



Tendon Seizing Forceps
210mm, 8¹/₄"



210-668-210
straight



210-669-210
curved



Kleinert-Kutz
200-681-210
Tendon Seizing Forceps, 1x2 teeth,
flexible, 1x8mm serrated jaws
210mm, 8¹/₄"



Dietrich
045-617-210
Tendon Fixation Needle, 1.7mm
45mm, 1⁴/₃"



Bunnell
230-664-210
Probe, malleable
230mm, 9"



335-175-210
Tendon Tunnel Instrument
with obturating Screw
335mm, 13³/₁₆"



290-662-210
Tendon Stripper
285mm, 11⁴/₁₆"



Fischer
310-855-210
Tendon Stripper, blunt
Ferozell Handle
310mm, 12⁴/₁₆"



001-652-210
2.5mm Ø



002-652-210
3.0mm Ø



003-652-210
4.0mm Ø



004-652-210
5.0mm Ø



005-652-210
6.5mm Ø

Bunnell
Tendon Stripper
150mm, 6"



3mm inner Ø with slot

280-663-210	281-663-210	285mm, 11"
350-663-210	351-663-210	350mm, 13 ⁴ / ₃ "
600-663-210	601-663-210	600mm, 24"



4mm inner Ø with slot

280-664-210	281-664-210	285mm, 11 ⁴ / ₁₆ "
350-664-210	351-664-210	350mm, 13 ⁴ / ₃ "
600-664-210	601-664-210	600mm, 24"



5mm inner Ø with slot

285-665-210	281-665-210	285mm, 11 ⁴ / ₁₆ "
350-665-210	351-665-210	350mm, 13 ⁴ / ₃ "
500-665-210	501-665-210	500mm, 20"
600-665-210	601-665-210	600mm, 24"



6mm inner Ø with slot

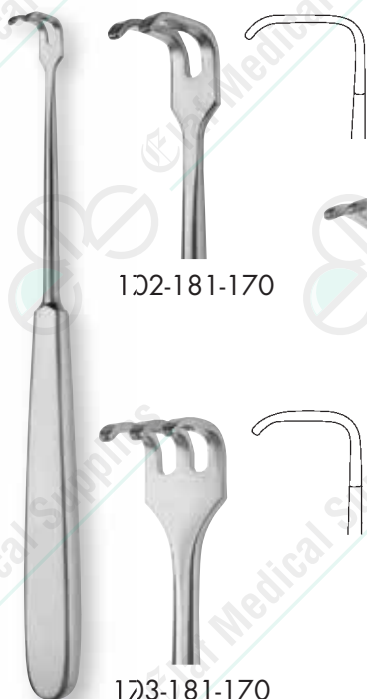
280-666-210	281-666-210	285mm, 11 ⁴ / ₁₆ "
350-666-210	351-666-210	350mm, 13 ⁴ / ₃ "
600-666-210	601-666-210	600mm, 24"



Tendon Stripper
with Ferrozell Handle



Paul
125-177-170
Tendon Retractor,
blunt, 3 prongs
125mm, 4⁴/₃"



Klapp
Tendon Retractor, blunt
175mm, 7"



173-181-170



004-181-170

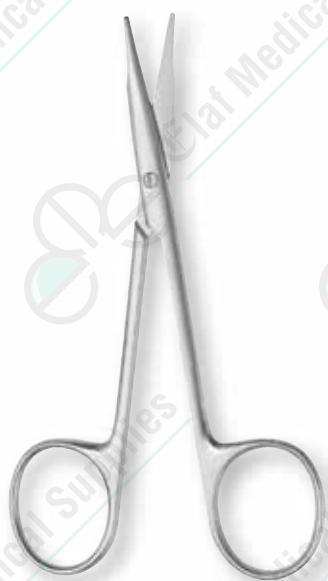


Strandell-Stille
Tendon Retractor
15x6mm
190mm, 7²/₁"

Tendon

001-237-170
blunt

002-237-170
toothed



Stevens
Tenotomy Scissors



Sharp, straight
105-090-120 | 105mm, 4⁸/₁"
115-090-120 | 115mm, 4²/₁"



Sharp, curved
105-091-120 | 105mm, 4⁸/₁"
115-091-120 | 115mm, 4²/₁"



Blunt, straight
105-092-120 | 105mm, 4⁸/₁"
115-092-120 | 115mm, 4²/₁"



Blunt, curved
105-093-120 | 105mm, 4⁸/₁"
115-093-120 | 115mm, 4²/₁"



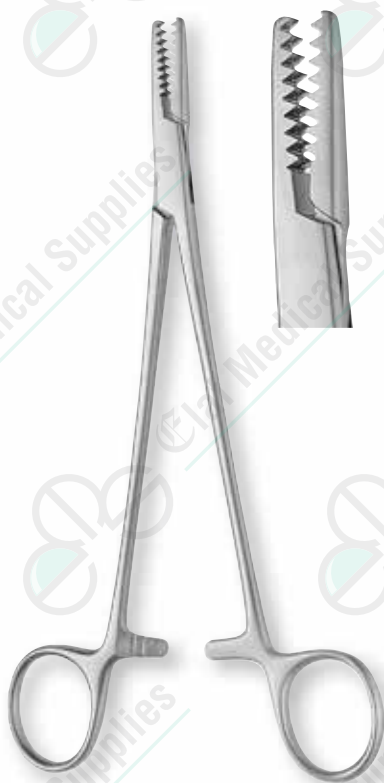
Martin
200-206-120
Cartilage Scissors
curved
200mm, 8"



Resano
250-241-120
Capsule Scissors, angled
sharp/blunt
250mm, 9²/₁₆"



Martin
200-206-121
SC Cartilage Scissors
200mm, 8"



Martin
190-652-210
Cartilage Holding Forceps
190mm, 7 1/2"



Bircher-Ganske
200-623-210
Cartilage Holding Forceps
laterally curved
200mm, 8"



Bircher-Ganske
Cartilage Holding Forceps
200mm, 8"



200-620-210
straight



200-621-210
curved upwards



Dingmann
190-625-210
Cartilage Holding Forceps,
delicate pattern, 2x2 teeth
190mm, 7²/₁"



Walton
185-626-210
Cartilage Forceps,
slightly curved, with pins
185mm, 7²/₁"



Downing
255-632-210
Cartilage Knife
255mm, 10"



180-641-210
slightly curved



180-640-210
straight

Meniscotome,
double edge,
180mm, 7"



220-645-210
curved right



220-643-210
curved left

Neff
Meniscotome
220mm, 8²/₃"



Bircher
190-613-210
Meniscotome, curved
190mm, 7²/₁"



Salenius
Meniscotome
220mm, 8^{4/3}"

220-650-210
left side



220-651-210
right side



Smillie
170-630-210
Meniscotome, straight
170mm, 6^{4/3}"



Smillie
Meniscotome with guards
170mm, 6^{4/3}"



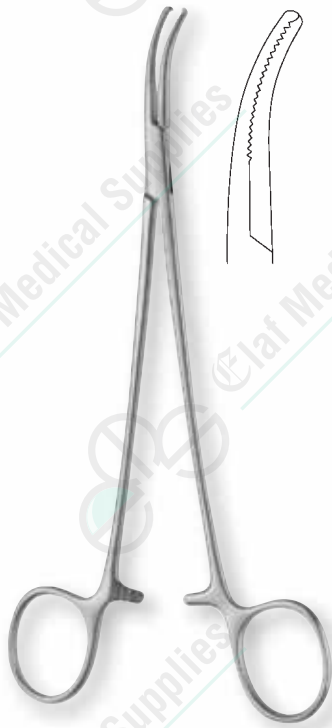
170-631-210
left



170-633-210
right



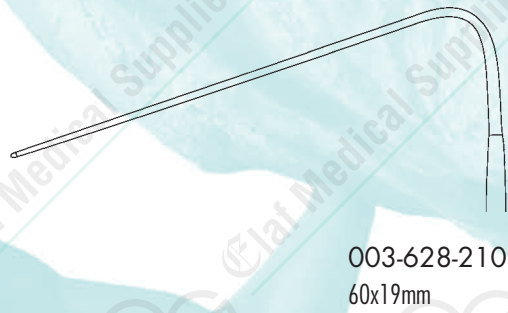
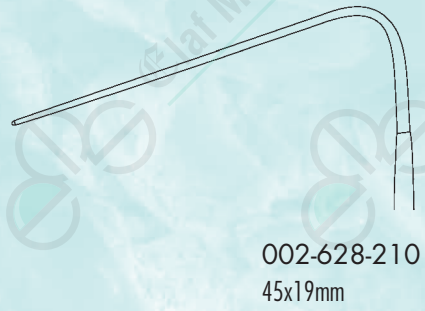
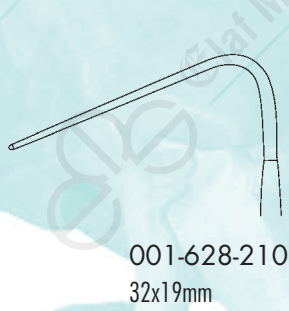
Lowe-Breck
250-637-210
Meniscotome
250mm, 10"



Preston
190-660-210
Meniscus Ligament Flap Forceps,
serrated jaws, 1x2 teeth
190mm, 7⁴/₁₆"



Bircher
200-624-210
Meniscus Grasping Forceps
200mm, 7⁴/₁₆"



001-560-210
illustrated



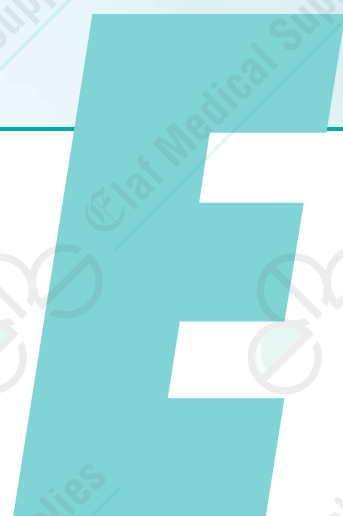
Smillie
Knee Wound Retractor
140mm, 5¹/₂"



98



SECTION



BONE
CURETTES



Elaf Medical Supplies



BONE CURETTES

Bone Curettes

400-402-005
Ø 0.5 mm
Size 000

400-402-010
Ø 1.0 mm
Size 00

400-402-015
Ø 1.5 mm
Size 0

210-402-140
Ø 2 mm
Size 0

210-425-140
Ø 2.5 mm
Size 1

400-402-018
Ø 1.8 mm
Size 1

400-402-020
Ø 2.0 mm
Size 2

400-402-025
Ø 2.5 mm
Size 3

210-403-140
Ø 3.0 mm
Size 2

210-435-140
Ø 3.5 mm
Size 3

400-402-035
Ø 3.5 mm
Size 4

400-402-040
Ø 4.0 mm
Size 5

400-402-045
Ø 4.5 mm
Size 6

210-405-140
Ø 5.0 mm
Size 4

Meyerhoefer
Chalazion Curette,
130mm, 5¹/₈"

Meyerhoefer
Curette,
140mm, 5¹/₂"

210-302-150
right angled

210-303-150
left angled

420-556-001
4 mm

420-556-002
7 mm

420-556-003
9 mm

Partsch
210-301-150
Bone Curette, Ø 3.5mm
150mm, 6"

Mannerfelt
Curette,
150mm, 6"



Elaf Medical Supplies



BONE CURETTES

Bone Curettes



210-218-140
#00/0



210-219-140
#0/1



210-218-012
#0/2



210-216-000
#00/0



210-216-001
#0/1



210-216-002
#1/2

Williger
Double Curette
oval/oval
140mm, 5 1/2"



Jacobson
210-213-140
Double Curette
140mm, 5 1/2"



4mm

3mm

Jansen
210-218-160
Double Curette
160mm, 6 1/4"



6mm

7mm

Jansen
210-214-210
Double Curette
210mm, 8 1/4"



Elaf Medical Supplies



210-210-130
130mm, 5"



210-210-140
140mm, 5 1/2"



210-210-170
170mm, 6 3/4"



210-210-200
200mm, 8"

Volkman
Double Curette



410-746-001
#1



410-746-002
#2



410-746-003
#3

Volkman
Double Curette
220mm, 8 3/4"



210-211-130
130mm, 5"



210-211-160
160mm, 6 1/4"



210-211-200
200mm, 8"

Volkman
Double Curette



BONE CURETTES

Bone Curettes



○ 2.0 mm
210-344-001

○ 2.5 mm
210-344-002

○ 3.0 mm
210-344-003

○ 3.5 mm
210-344-004

○ 4.5 mm
210-344-005

○ 5.0 mm
210-344-006

Mod. USA
Bone Curette
160mm, 6 1/4"



○ 2.0 mm
Right angled
210-345-001

Left angled
210-347-001

○ 2.5 mm
Right angled
210-345-002

Left angled
210-347-002

○ 3.0 mm
Right angled
210-345-003

Left angled
210-347-003

○ 3.5 mm
Right angled
210-345-004

Left angled
210-347-004

○ 4.5 mm
Right angled
210-345-005

Left angled
210-347-005

○ 5.0 mm
Right angled
210-345-006

Left angled
210-347-006

Mod. USA
Bone Curette
160mm, 6 1/4"





BONE CURETTES

Bone Curettes



210-216-020
#00/00



210-216-021
#0/0



210-216-022
#1/1

Williger
Double Curette
140mm, 5¹/₂ "



4.0mm



3.0mm

Jansen
210-216-150
Double Curette
150mm, 6"



210-215-001
#1



210-215-002
#2



210-215-003
#3



210-215-004
#4

Hemingway
Double Curette
180mm, 7"



Elaf Medical Supplies



Siebenmann
210-229-160
Bone Curette 90° angled right
160mm, 6 1/4"



Siebenmann
210-228-160
Bone Curette 90° angled left
160mm, 6 1/4"



Uffendorde
210-345-007
Bone Curette, 45° angled right
170mm, 6 3/4"



Uffendorde
210-347-007
Bone Curette, 45° angled left
170mm, 6 3/4"



Buck
Bone Curette
145mm, 5 3/4"



210-201-145
Fig. 1



210-202-145
Fig. 2



210-203-145
Fig. 3



210-204-145
Fig. 4



210-205-145
Fig. 5



Buck
Bone Curette
170mm, 6 3/4"

3.5 mm
210-235-170

4.0 mm
210-204-170

5.0 mm
210-205-170

5.5 mm
210-255-170



Williger
Bone Curette, round
170mm, 6³/₄"

○ 3.0 mm
210-213-175
Fig. 00

○ 5.0 mm
210-215-175
Fig. 1

○ 4.0 mm
210-214-175
Fig. 0

○ 6.0 mm
210-216-175
Fig. 2



Williger
Bone Curette, oval
170mm, 6³/₄"

○ 2.5 mm
210-294-010
Fig. 00

○ 4.0 mm
210-294-040
Fig. 1

○ 3.2 mm
210-294-020
Fig. 0

○ 5.7 mm
210-294-050
Fig. 2



BONE CURETTES

Bone Curettes



Volkman
Bone Curette
170mm, 6³/₄"



210-304-400
#0000



210-304-300
#000



210-304-200
#00



210-304-100
#0



210-304-010
#1



210-304-020
#2



210-304-030
#3



210-304-040
#4



210-304-050
#5



210-304-060
#6



Schede
Bone Curette
170mm, 6³/₄"



210-300-300
#000



210-300-200
#00



210-300-100
#0



210-300-010
#1



210-300-020
#2



210-300-030
#3



210-300-040
#4



Elaf Medical Supplies



BONE CURETTES

Bone Curettes



210-306-400
#0000



210-306-300
#000



210-306-200
#00



210-306-100
#0



210-306-010
#1



210-306-020
#2



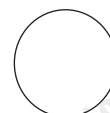
210-306-030
#3



210-306-040
#4



210-306-050
#5



210-306-060
#6

Bruns
Bone Curette, round
170mm, 6³/₄"



210-308-008
#0000



210-308-000
#000



210-308-001
#00



210-308-002
#0



210-308-003
#1



210-308-004
#2



210-308-005
#3



210-308-006
#4



210-308-007
#5



210-308-009
#6

Spratt
Bone Curette, oval
170mm, 6³/₄"



Elaf Medical Supplies



BONE CURETTES

Bone Curettes



Stille
Bone Curette, round

 210-248-002 Ø 2mm 170mm, 6 ³ / ₄ "	 210-248-003 Ø 3mm 170mm, 6 ³ / ₄ "	 210-248-004 Ø 4mm 170mm, 6 ³ / ₄ "	 210-248-005 Ø 5mm 195mm, 7 ³ / ₄ "	 210-248-006 Ø 6mm 195mm, 7 ³ / ₄ "
 210-248-007 Ø 7mm 195mm, 7 ³ / ₄ "	 210-248-008 Ø 8mm 200mm, 8"	 210-248-010 Ø 10mm 205mm, 8 ¹ / ₄ "	 210-248-012 Ø 12mm 205mm, 8 ¹ / ₄ "	 210-248-014 Ø 14mm 205mm, 8 ¹ / ₄ "



Stille
Bone Curette, oval

 210-249-002 2mm 170mm, 6 ³ / ₄ "	 210-249-003 3mm 170mm, 6 ³ / ₄ "	 210-249-004 4mm 170mm, 6 ³ / ₄ "	 210-249-005 5mm 195mm, 7 ³ / ₄ "	 210-249-006 6mm 195mm, 7 ³ / ₄ "
 210-249-007 7mm 195mm, 7 ³ / ₄ "	 210-249-008 8mm 200mm, 8"	 210-249-010 10mm 210mm, 8 ¹ / ₃ "	 210-249-012 Ø 12mm 215mm, 8 ¹ / ₂ "	 210-249-014 14mm 220mm, 8 ³ / ₄ "





Halle
Bone Curette, malleable
210mm, 8 1/4"



210-350-200
#1
4.8mm



210-350-100
#2
5.8mm



210-350-010
#3
6.8mm



Lempert
Bone Curette
200mm, 8"



210-348-600
#000000
1mm



210-348-500
#00000
1.5mm



210-348-400
#0000
2.0mm



210-348-300
#000
2.2mm



210-348-200
#00
2.5mm



210-348-100
#0
2.7mm



210-348-010
#1
3.0mm



210-348-002
#2
3.3mm



Bruns
Bone Curette with
with Ferrozell Handle
170mm, 6 3/4"



210-302-100
#000000
2.5mm



210-302-101
#000
3.0mm



210-302-102
#00
3.7mm



210-302-103
#0
4.7mm



210-302-104
#1
5.7mm



210-302-105
#2
6.0mm



210-302-106
#3
7.4mm



210-302-109
#6
10.3mm



210-217-200
Fig. 00



210-217-100
Fig. 0



210-217-010
Fig. 1



210-217-020
Fig. 2

Daubenspeck
Bone Curette
200mm, 8 inch



210-302-107
#4
8.8mm



210-302-108
#5
9.2mm



straight



curved



210-299-300	fig.000
210-299-200	fig.00
210-299-100	fig.0
210-299-001	fig.1
210-299-002	fig.2
210-299-003	fig.3
210-299-004	fig.4
210-299-005	fig.5
210-299-006	fig.6



210-299-030	fig.000
210-299-020	fig.00
210-299-010	fig.0
210-299-040	fig.1
210-299-050	fig.2
210-299-060	fig.3
210-299-070	fig.4
210-299-080	fig.5
210-299-090	fig.6

SPINAL
Bone Curette
200mm, 8"

0
#000

0
#00

0
#0

0
#1

0
#2

0
#3

0
#4

0
#5

0
#6



Volkmann-Bruns
Bone Curette
230mm, 9"



straight jaw



210-314-400
#0000
3.0mm



210-314-300
#000
3.3mm



210-314-200
#00
3.9mm



210-314-100
#0
4.7mm



210-314-001
#1
5.3mm



210-314-002
#2
6.0mm



210-314-003
#3
6.8mm



210-314-004
#4
8.3mm



210-314-005
#5
9.8mm



210-314-006
#6
11.7mm



angled jaw



210-315-400
#0000
3.0mm



210-315-300
#000
3.3mm



210-315-200
#00
3.9mm



210-315-100
#0
4.7mm



210-315-001
#1
5.3mm



210-315-002
#2
6.0mm



210-315-003
#3
6.8mm



210-315-004
#4
8.3mm



210-315-005
#5
9.8mm



210-315-006
#6
11.7mm



BONE CURETTES

Bone Curettes



Bruns
Bone Curette
230mm, 9"



210-296-400
#0000



210-296-300
#000



210-296-200
#00



210-296-100
#0



210-296-001
#1



210-296-002
#2



210-296-003
#3



210-296-004
#4



210-296-005
#5



210-296-006
#6



Bruns
Bone Curette
with Ferrozell Handle
270mm, 10^{3/4}"



210-302-000
#0000



210-302-001
#000



210-302-002
#00



210-302-003
#0



210-302-004
#1



210-302-005
#2



210-302-006
#3



210-302-007
#4



210-302-008
#5



210-302-009
#6





BONE CURETTES

Bone Curettes



straight jaw



210-215-250
#0000



210-214-250
#000



210-213-250
#00



210-212-250
#0



210-211-250
#1



210-202-250
#2



210-203-250
#3



210-204-250
#4



210-205-250
#5



210-206-250
#6



angled jaw



210-315-250
#0000



210-314-250
#000



210-313-250
#00



210-312-250
#0



210-311-250
#1



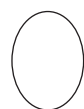
210-302-250
#2



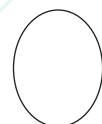
210-303-250
#3



210-304-250
#4



210-305-250
#5



210-306-250
#6

Volkman
Bone Curette,
250mm, 10"



Elaf Medical Supplies



○
259-185-912
#000
3.6mm

○
259-185-914
#0
5.2mm

Caspar
Bone Curette, straight,
with Synthetic Handle
220mm, 8³/₄"



Simon
Bone Curette
240mm, 9¹/₂"

○
259-185-913
#00
4.4mm

○
210-298-001
#1
2.3mm

○
210-298-002
#2
2.6mm

○
210-298-003
#3
3.4mm

○
210-298-004
#4
4.0mm

○
210-298-005
#5
4.5mm

○
210-298-006
#6
5.5mm



Caspar
Bone Curette, angled,
with Synthetic Handle
220mm, 8³/₄"

○
259-185-921
#000
3.6mm

○
259-185-919
#0
5.2mm



Simon
Bone Curette
240mm, 9¹/₂"

○
259-185-922
#00
4.4mm

○
350-610-001
#1
7.0mm

○
350-610-002
#2
8.5mm

○
350-610-003
#3
9.5mm

○
350-610-004
#4
11.5mm

○
350-610-005
#5
13mm

○
350-610-006
#6
14.5mm



Epstein
Bone Curette,
with hollow Handle
200mm, 8"

○
210-309-003
#000
2.5

○
210-309-002
#00
2.7mm

○
210-309-001
#0
3.3mm



Scoville
Bone Curette, 4.8mm
with hollow Handle
250mm, 10"

○
210-316-250
Straight

○
210-318-250
Forward angled

○
210-317-250
Backward angled



Bushe
Bone Curette,
upwards cutting
250mm, 10"

○
210-338-250
3mm

○
210-339-250
4mm

○
210-340-250
5mm

○
210-341-250
6mm



Semmes
Spinal Curette, 4x7mm
230mm, 9"

○
210-294-001
straight

○
210-294-002
slightly curved

○
210-294-003
fully curved



straight, massive aluminium Handle

210-320-010	2.0 mm	Fig. 0000
210-320-011	2.5 mm	Fig. 000
210-320-012	3.0 mm	Fig. 00
210-320-013	3.5 mm	Fig. 0
210-320-014	4.0 mm	Fig. 1
210-320-015	4.5 mm	Fig. 2
210-320-016	5.0 mm	Fig. 3
210-320-017	5.5 mm	Fig. 4
210-320-018	6.5 mm	Fig. 5
210-320-019	8.0 mm	Fig. 6



straight, hollow, stainless Handle

210-320-110	2.0 mm	Fig. 0000
210-320-111	2.5 mm	Fig. 000
210-320-112	3.0 mm	Fig. 00
210-320-113	3.5 mm	Fig. 0
210-320-114	4.0 mm	Fig. 1
210-320-115	4.5 mm	Fig. 2
210-320-116	5.0 mm	Fig. 3
210-320-117	5.5 mm	Fig. 4
210-320-118	6.5 mm	Fig. 5
210-320-119	8.0 mm	Fig. 6



curved, massive aluminium Handle

210-321-010	2.0 mm	Fig. 0000
210-321-011	2.5 mm	Fig. 000
210-321-012	3.0 mm	Fig. 00
210-321-013	3.5 mm	Fig. 0
210-321-014	4.0 mm	Fig. 1
210-321-015	4.5 mm	Fig. 2
210-321-016	5.0 mm	Fig. 3
210-321-017	5.5 mm	Fig. 4
210-321-018	6.5 mm	Fig. 5
210-321-019	8.0 mm	Fig. 6



curved, hollow, stainless Handle

210-321-110	2.0 mm	Fig. 0000
210-321-111	2.5 mm	Fig. 000
210-321-112	3.0 mm	Fig. 00
210-321-113	3.5 mm	Fig. 0
210-321-114	4.0 mm	Fig. 1
210-321-115	4.5 mm	Fig. 2
210-321-116	5.0 mm	Fig. 3
210-321-117	5.5 mm	Fig. 4
210-321-118	6.5 mm	Fig. 5
210-321-119	8.0 mm	Fig. 6



Spinal
Bone Curette, oval
with knurled Handle
280mm, 11"



Kraemer
Ring Curette
sharpened double-sided
250mm, 10"

210-321-004	4mm
210-321-005	5mm
210-321-006	6mm



Cone
Ring Curette
230mm, 9 inch"



straight

○
210-320-003
Fig. 3
Ø 3.0 mm

○
210-320-002
Fig. 2
Ø 6.0 mm

○
210-320-001
Fig. 1
Ø 8.0 mm



angled

○
210-319-003
Fig. 3
Ø 3.0 mm

○
210-319-002
Fig. 2
Ø 6.0 mm

○
210-319-001
Fig. 1
Ø 8.0 mm



Caspar
Bone Scoop, curved, toothed,
with Synthetic Handle
220mm, 8³/₄"



259-185-915
4.0 mm



259-185-916
5.0 mm



259-185-910
6.0 mm



Zielke
Intervertebral Curette,
with Ferrozell Handle



Straight
210mm, 8¹/₃"

210-505-001	small
259-505-002	large

Straight
350mm, 13³/₄"

259-505-005	small
259-505-008	large



Angled
250mm, 10"

259-505-003	small
259-505-004	large



Caspar
Curette
250mm, 10 inch



210-340-003
270mm, 10³/₄ inch
3.0 mm



210-340-004
270mm, 10³/₄ inch
4.0 mm



210-342-004
250mm, 10 inch
4.0 mm



210-342-005
250mm, 10 inch
5.0 mm



Bone Curette
with Ferrozell Handle
270mm, 10³/₄"



210-163-009
9mm



210-163-015
15mm



210-164-009
9mm



210-164-015
15mm



210-164-109
Sharp Spoon, with teeth,
double angled, 9mm,
with Ferrozell Handle
270mm, 10³/₄"



small

medium

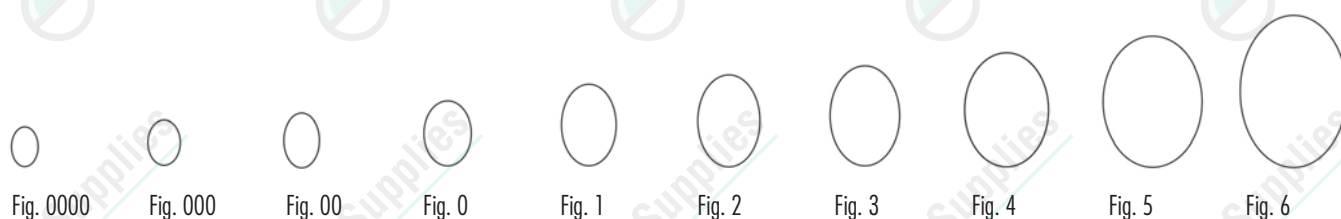
large

210-184-503
Bone Curette
with Ferrozell Handle
240mm, 9¹/₂"

210-184-504
Bone Curette
with Ferrozell Handle
270mm, 10³/₄"

210-184-505
Bone Curette
with Ferrozell Handle
320mm, 12³/₄"

210-151-310
Luxation Lever, 25mm wide
with Ferrozell Handle
310mm, 12¹/₄"



Bone Curette
with Ferrozell Handle

190mm, 7¹/₂"

210-166-030	Fig. 0000
210-166-020	Fig. 000
210-166-010	Fig. 00
210-166-000	Fig. 0
210-166-001	Fig. 1
210-166-002	Fig. 2
210-166-003	Fig. 3
210-166-004	Fig. 4
210-166-005	Fig. 5
210-166-006	Fig. 6

260mm, 10¹/₃"

210-167-030	Fig. 0000
210-167-020	Fig. 000
210-167-010	Fig. 00
210-167-000	Fig. 0
210-167-001	Fig. 1
210-167-002	Fig. 2
210-167-003	Fig. 3
210-167-004	Fig. 4
210-167-005	Fig. 5
210-167-006	Fig. 6

310mm, 12¹/₃"

210-168-030	Fig. 0000
210-168-020	Fig. 000
210-168-010	Fig. 00
210-168-000	Fig. 0
210-168-001	Fig. 1
210-168-002	Fig. 2
210-168-003	Fig. 3
210-168-004	Fig. 4
210-168-005	Fig. 5
210-168-006	Fig. 6



SECTION



ELEVATORS
RASPATORIES



Elaf Medical Supplies



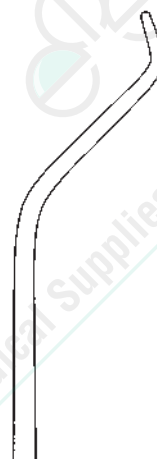
210-551-150
slightly curved



210-552-150
strongly curved



210-523-175
Phalangeal Elevator, 5.5mm
bayonet strong curve
165mm, 6¹/₂"



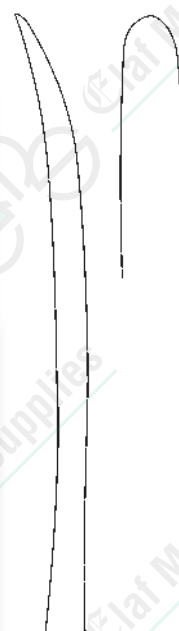
Williger
210-395-160
Elevator, 5.5mm
160mm, 6¹/₄"



Williger
210-396-170
Elevator, 7mm
160mm, 6¹/₄"



Cairns
250-066-141
Cairns Bone Flap Elevator
175mm, 6³/₄"





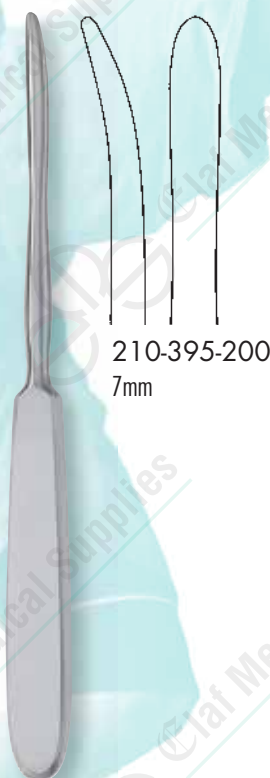
Sebileau
210-395-175
Elevator, 5mm wide
175mm, 7"



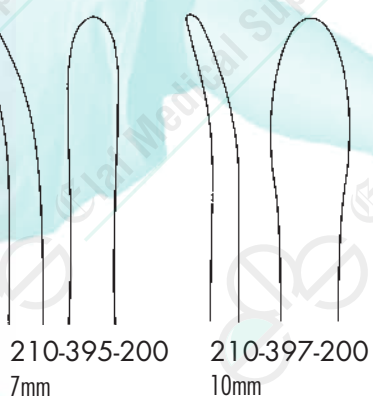
McDonald
210-527-190
Elevator double ended
190mm, 7^{1/2}"



Quervain
210-386-200
Elevator, 6mm wide
200mm, 8"



Langenbeck
Elevator
200mm, 8"

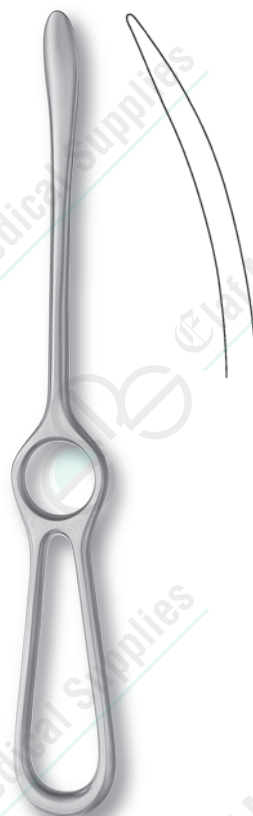


210-395-200
7mm

210-397-200
10mm



Cohen
Elevator, double-ended
210-528-240
240mm, 9 1/2"



Langenbeck
210-398-230
Elevator, 11mm wide, curved
230mm, 9"



250-064-347 3.2mm
250-064-348 4.6mm

Partsch
Raspatory
150mm, 6"



Partsch
250-064-349
Raspatory, 4mm
145mm, 5³/₄"



McKenty
420-547-004 4mm
420-547-005 5mm
Raspatory
150mm, 6"



Koenig
210-553-150
Raspatory, 5mm
150 mm, 6"



Raspatory, 4mm
140mm, 5¹/₂"



210-552-140



210-551-140

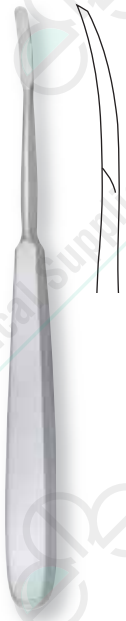


Williger
210-434-130
Raspatory, 4mm
130mm, 5¹/₈"



Williger
Raspatory
160mm, 6¹/₄"

210-436-160 5mm
210-438-160 7mm



Joseph
210-396-160
Raspatory, 4mm
160mm, 6¹/₄"



Lempert
210-397-185
Raspatory, 6mm
185mm, 7¹/₄"



Halle
420-544-165
Raspatory, 4mm
blunt
180mm, 7"



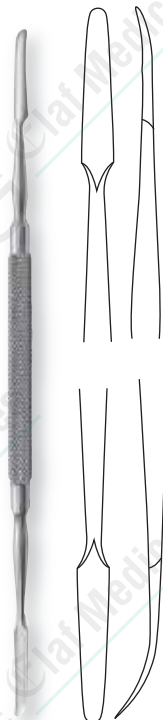
Freer
Raspatory, 4mm
190mm, 7¹/₂"



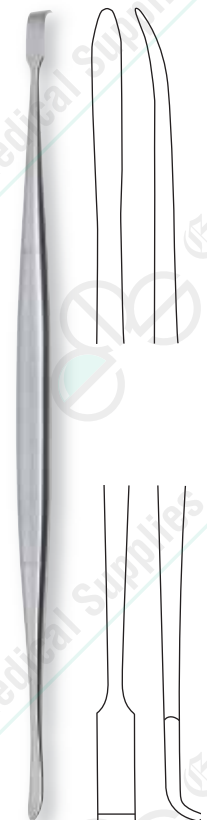
420-548-190
sharp



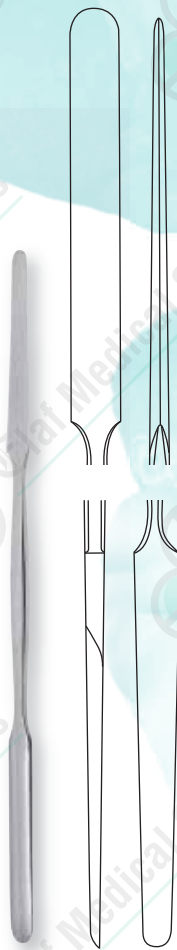
Sewall
420-549-200
Raspatory, 6mm
blunt
200mm, 8"



Killian
420-540-180
Raspatory, 6mm
sharp/blunt
180mm, 7"



Howarth
420-552-215
Elevator, double-ended
sharp/blunt
215mm, 8¹/₂"



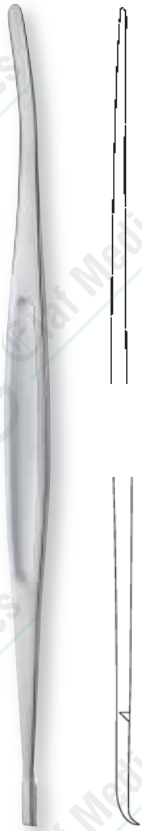
Killian
420-541-180
Elevator, double-ended
sharp/blunt
185mm, 7¹/₄"



Freer
420-546-180
Elevator, double-ended
sharp/blunt
185mm, 7¹/₄"



Cottle
420-550-230
Elevator, double-ended
graduated, sharp/sharp
200mm, 8"



Hill
420-554-220
Elevator, double-ended
blunt/sharp
220mm, 8³/₄"



Mead
500-446-165
Elevator, double-ended
one side oblique
one rounded side
165mm, 6¹/₄"



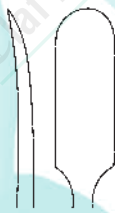
Molt
500-440-180
Elevator, double-ended
sharp/sharp
180mm, 7"



Mannerfelt
Raspatories
155mm, 6"



420-556-004
6mm



420-556-005
8mm



420-557-001
3mm



420-557-002
6mm



420-557-003
6mm



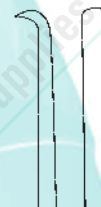
420-557-004
4mm



420-557-005
5mm



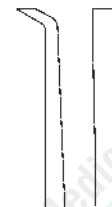
420-557-006
6mm



420-557-007
4mm



420-557-008
6mm



420-557-009
3.5mm



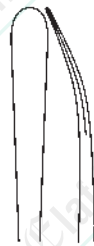
210-439-006 6mm
210-439-008 8mm
Raspatory
170mm, 6³/₄"



210-484-170
8mm, sharp



210-486-170
7mm, semi-sharp



210-485-170
8mm, blunt, curved



210-487-170
7mm, semi-sharp,
curved



Cottle
210-438-195
Raspatory, 8mm, sharp
190mm, 7¹/₂"

Adson
Raspatories
170mm, 6³/₄"



Landolt
210-439-175
Raspatory, 4.5mm
175mm, 7"



Caspar
259-185-328 sharp
259-185-329 blunt
Dissector, 6.2mm
180mm, 7"



Penfield
250-691-175
Dissector, Fig. 1
175mm, 7"



Penfield
250-692-195
Dissector, Fig. 2
195mm, 7¹/₂"



Penfield
250-693-195
Dissector, Fig. 3
195mm, 7¹/₂"



Penfield
250-694-215
Dissector, Fig. 4
205mm, 8"



Penfield
250-695-290
Dissector, Fig. 5
290mm, 11¹/₂"



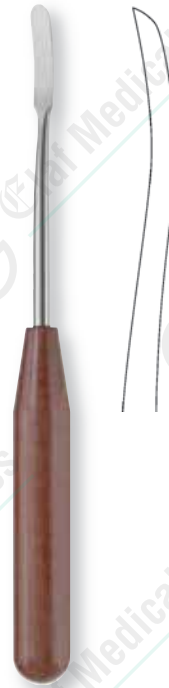
210-434-180
Raspatory, 6mm,
with Ferrozell Handle
190mm, 7 1/2"



210-432-185
Raspatory, 3mm,
with Ferrozell Handle
185mm, 7 1/4"



210-433-180
Raspatory, 6mm,
with Ferrozell Handle
185mm, 7 1/4"



210-432-180
Raspatory, 6mm,
with Ferrozell Handle
185mm, 7 1/4"



210-433-185
Raspatory, 13mm,
with Ferrozell Handle
185mm, 7 1/4"



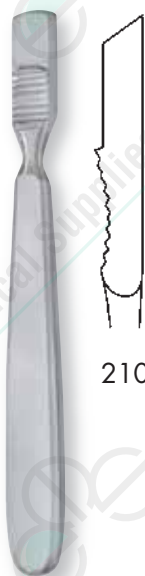
210-430-200
Raspatory, 14mm,
with Ferrozell Handle
200mm, 8"



210-431-200
Raspatory, 14mm,
with Ferrozell Handle
200mm, 8"



210-433-230
Raspatory, 13mm,
with Ferrozell Handle
230mm, 9"



210-310-150



210-311-150

Farabeuf
Raspatory, 12.5mm
150mm, 6"



210-312-155



210-313-155

Farabeuf-Collin
Raspatory, 11mm
155mm, 6 1/4"



Sedillot
210-316-190
Raspatory, 18mm,
with hollow handle
190mm, 7 1/2"



Kraemer
210-313-185
Raspatory, 10mm,
round blade
185mm, 7 1/4"



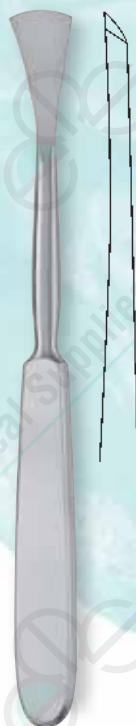
Kraemer
210-314-185
Raspatory, 10mm,
straight blade
185mm, 7 1/4"



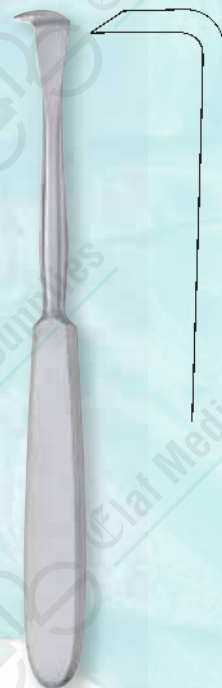
Pennybaker
210-488-170
Elevator, sharp, 6mm
150mm, 6"



Jansen
210-303-165
Periosteal Elevator
165mm, 6 1/2"



Langenbeck
210-303-190
Raspatory, 16mm
with hollow handle
190mm, 7 1/2"



Langenbeck
210-301-180
Periosteal Elevator, 14mm
with hollow handle
180mm, 7"

210-489-006	6mm	180mm, 7"
210-489-010	10mm	190mm, 7 1/2"
210-489-012	12mm	190mm, 7 1/2"
210-489-013	13mm	190mm, 7 1/2"
210-489-016	16mm	190mm, 7 1/2"
210-489-019	19mm	200mm, 8"
210-489-025	25mm	210mm, 8 1/3"



Key
Elevator



Schneider
210-315-175
Raspatory, 13mm
175mm, 7"



Schneider-Sauerbruch
210-315-190
Raspatory, 13mm
190mm, 7 1/2"



Sedillot
210-315-210
Periosteal Raspatory, 15mm
210mm, 8 1/2"



Lambotte
Raspatory
210mm, 8 1/3"

210-461-005	5mm
210-461-210	10mm
210-462-210	15mm
210-463-210	20mm
210-464-210	25mm



McGlamry
Raspatory
210mm, 8 1/3"

170-160-010	11mm
170-160-012	12mm
170-160-015	15mm
170-160-017	17mm



Crego
170-492-001
Elevator, 7mm
200mm, 8"



Alexander
210-440-200
Periosteotome, 12mm
210mm, 8 1/3"



Semb
Raspatory
with hollow handle



210-450-001
12mm
190mm, 7 1/2"



210-450-002
12mm
230mm, 9"



210-450-003
13mm
230mm, 9"



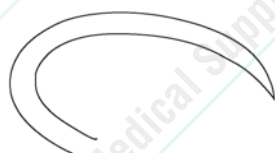
210-450-004
13mm
230mm, 9"



210-450-005
15mm
230mm, 9"



210-335-170
Children



210-331-170
Adults

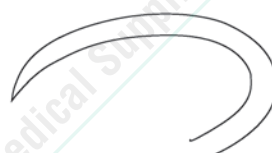
Doyen
Rib Raspatory
175mm, 7"



Doyen
210-338-240
Rib Raspatory
240mm, 9 1/2"



210-337-170
Children



210-333-170
Adults

Doyen
Rib Raspatory
175mm, 7"



Doyen
210-339-240
Rib Raspatory
240mm, 9 1/2"



210-420-275
Hip Raspatory, 20mm,
with Ferrozell Handle
275mm, 10³/₄"



Wagner
Raspatory,
with Ferrozell Handle
330mm, 13"



210-428-330
8mm



210-417-330
17mm

210-401-095	9mm
210-401-127	13mm
210-401-019	19mm
210-401-025	25mm
210-401-032	32mm



Cobb
Elevator
240mm, 9¹/₂"

290mm

210-402-009	9mm
210-402-013	13mm
210-402-019	19mm
210-402-025	25mm
210-402-032	32mm

240mm

210-400-001	9mm
210-400-002	13mm
210-400-003	19mm
210-400-004	25mm
210-400-005	32mm



Cobb
Spinal Elevator
290mm, 11¹/₂"

210-420-010	10mm
210-420-013	13mm
210-420-019	19mm
210-420-025	25mm



Cobb
Elevator, semi-sharp,
slightly curved
with Ferrozell Handle
250mm, 10"

210-405-010	10mm
210-405-015	15mm
210-405-020	20mm
210-405-025	25mm
210-405-030	30mm
210-405-035	35mm



Cobb
Elevator
with Ferrozell Handle
340mm, 13³/₈"



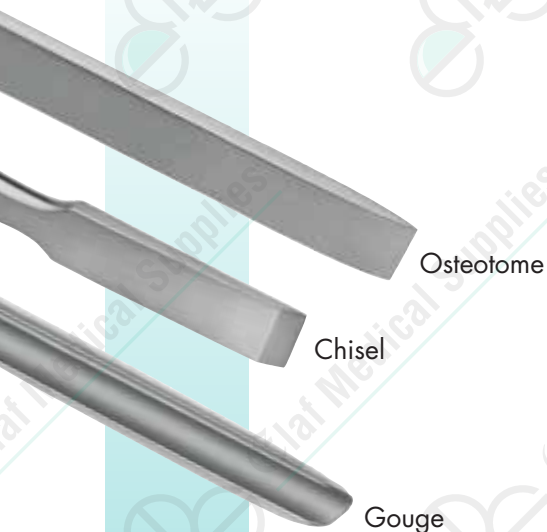
SECTION



CHISELS,
GOUGES AND
OSTEOTOMES



Elaf Medical Supplies



Osteotome

Chisel

Gouge

SHAPE



420-590-004
straight

420-591-004
curved

Freer
Septum Chisel, 4mm
160mm, 6¹/₄"



Freer
420-550-170
Septum Gouge, 6mm
150mm, 6"



210-100-162	2mm
210-100-163	3mm
210-100-164	4mm

Thies
Gouge
160mm, 6¹/₄"



210-100-004	4mm
210-100-006	6mm
210-100-008	8mm
210-100-010	10mm
210-100-012	12mm

Osteotome
140mm, 5¹/₂"

135mm, 5¹/₃"

210-302-135	2mm
210-303-135	3mm
210-305-135	5mm
210-306-135	6mm
210-307-135	7mm
210-308-135	8mm



Partsch
Chisel

170mm, 6³/₄"

210-302-170	2mm
210-303-170	3mm
210-305-170	5mm
210-306-170	6mm
210-307-170	7mm
210-308-170	8mm



210-204-160 4mm
210-206-160 6mm
Lucas
Chisel
160mm, 6¹/₄"



210-103-160 3mm
210-105-160 5mm
Lucas
Gouge
160mm, 6¹/₄"

140mm, 5¹/₂"

210-109-002	2mm
210-109-003	3mm
210-109-004	4mm
210-109-005	5mm
210-109-006	6mm
210-109-007	7mm
210-109-008	8mm



Partsch
Gouge

170mm, 6³/₄"

210-110-002	2mm
210-110-003	3mm
210-110-004	4mm
210-110-005	5mm
210-110-006	6mm
210-110-007	7mm
210-110-008	8mm



Alexander
Gouge
180mm, 6³/₄"

210-604-180	4mm
210-606-180	6mm
210-608-180	8mm
210-610-180	10mm
210-612-180	12mm
210-614-180	14mm

210-136-004	4mm
210-136-005	5mm
210-136-006	6mm
210-136-007	7mm
210-136-008	8mm
210-136-009	9mm
210-136-010	10mm
210-136-012	12mm
210-136-014	14mm
210-136-015	15mm

Mini-Lambotte
Osteotome
125mm, 5"



Cottle
Osteotome with
depth marking
180mm, 7¹/₈"

210-487-004	4mm
210-487-007	7mm
210-487-008	8mm
210-487-010	10mm
210-487-012	12mm

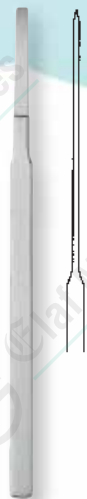
210-488-004	4mm
210-488-007	7mm
210-488-009	9mm
210-488-012	12mm



Cottle
Chisel with depth
marking
180mm, 7¹/₈"



Cottle
210-486-008
Fishtail Osteotome, 8mm wide,
with protected ends,
double guarded, 180mm, 7¹/₈"



Hardt-Delima
Osteotome, straight,

130mm, 5"

210-134-102	2mm
210-134-104	4mm
210-134-106	6mm
210-134-108	8mm
210-134-110	10mm
210-134-112	12mm
210-134-115	15mm

170mm, 6³/₄"

210-134-202	2mm
210-134-204	4mm
210-134-206	6mm
210-134-208	8mm
210-134-210	10mm
210-134-212	12mm
210-134-215	15mm



Carroll
Osteotome
145mm, 5³/₄"

210-226-003	3mm
210-226-006	6mm
210-226-010	10mm
210-226-013	13mm



Sheehan
Osteotome
160mm, 6¹/₃"

420-594-002	2mm
420-594-003	3mm
420-594-004	4mm
420-594-005	5mm
420-594-006	6mm
420-594-007	7mm
420-594-008	8mm
420-594-010	10mm
420-594-012	12mm
420-594-015	15mm



Lambotte
Osteotome, straight
240mm, 9¹/₂"

210-132-004	4mm
210-132-006	6mm
210-132-008	8mm
210-132-010	10mm
210-132-012	12mm
210-132-015	15mm
210-132-020	20mm
210-132-025	25mm
210-132-030	30mm
210-132-038	38mm
210-132-044	44mm
210-132-050	50mm



Lambotte
Osteotome, curved
240mm, 9¹/₂"

210-133-004	4mm
210-133-006	6mm
210-133-008	8mm
210-133-010	10mm
210-133-012	12mm
210-133-015	15mm
210-133-020	20mm
210-133-025	25mm
210-133-032	30mm
210-133-038	38mm
210-133-044	44mm
210-133-050	50mm



CHISELS & GOUGES

Chisels and
Gouges



Obwegeser
431-656-235
Osteotome, curved, 13mm wide
235mm, 9¹/₄"



Niederdellmann
431-658-250 8mm
431-660-250 10mm
Osteotome, curved, 13mm wide
250mm, 10"

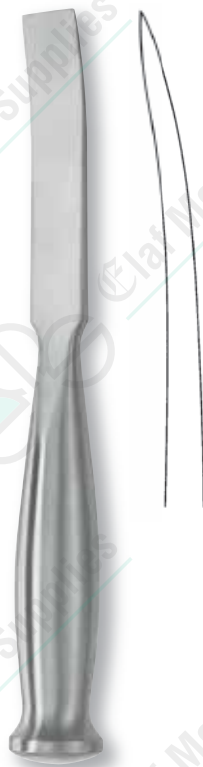


Elaf Medical Supplies



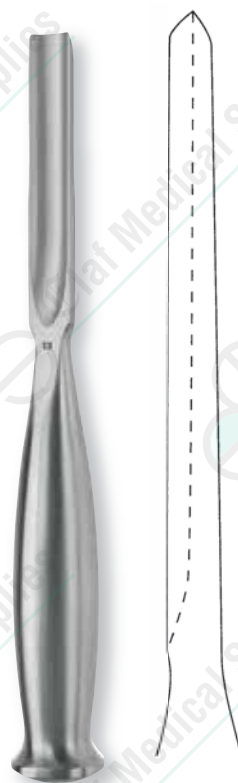
Smith-Petersen
Osteotome, straight
200mm, 8"

210-106-200	6mm
210-109-200	9mm
210-113-200	13mm
210-116-200	16mm
210-119-200	19mm
210-125-200	25mm
210-132-200	32mm



Smith-Petersen
Osteotome, curved
200mm, 8"

210-206-200	6mm
210-209-200	9mm
210-213-200	13mm
210-216-200	16mm
210-219-200	19mm
210-225-200	25mm
210-232-200	32mm



Smith-Petersen
Gouge, straight
200mm, 8"

210-305-200	6mm
210-309-200	9mm
210-313-200	13mm
210-316-200	16mm
210-319-200	19mm
210-325-200	25mm
210-332-200	32mm



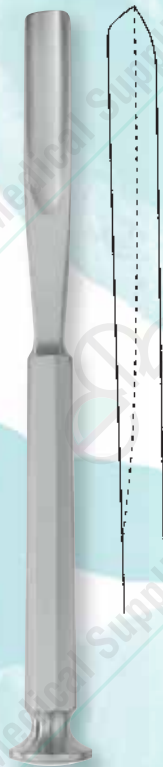
Smith-Petersen
Gouge, curved
200mm, 8"

210-406-200	6mm
210-409-200	9mm
210-413-200	13mm
210-416-200	16mm
210-419-200	19mm
210-425-200	25mm
210-432-200	32mm



210-810-200	10mm
210-812-200	12mm
210-815-200	15mm
210-820-200	20mm
210-825-200	25mm

Stille
Chisel
200mm, 8"



210-508-200	8mm
210-510-200	10mm
210-512-200	12mm
210-515-200	15mm
210-520-200	20mm
210-525-200	25mm

Stille
Gouge
200mm, 8"



Walter
210-701-010 10mm
210-701-015 15mm
Gouge for taking
grafts from the ribs
200mm, 8"



210-708-200	8mm
210-710-200	10mm
210-712-200	12mm
210-715-200	15mm
210-720-200	20mm
210-725-200	25mm

straight

210-908-200	8mm
210-910-200	10mm
210-912-200	12mm
210-915-200	15mm
210-920-200	20mm
210-925-200	25mm

curved

Stille
Osteotome
200mm, 8"



straight, 140mm, 5"



curved, 140mm, 5"

210-219-003	3mm
210-219-005	5mm
210-219-006	6mm
210-219-008	8mm
210-219-009	9mm
210-219-012	12mm
210-219-016	16mm

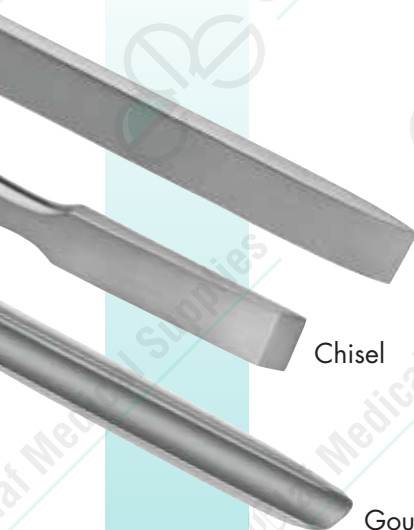
210-218-103	3mm
210-218-105	5mm
210-218-106	6mm
210-218-108	8mm
210-218-110	9mm
210-218-113	13mm
210-218-116	16mm

Hoke
Osteotome „Power Cut“



210-410-200	10mm
210-412-200	12mm
210-415-200	15mm
210-420-200	20mm

Stille
Osteotome, fine model
200mm, 8"



Osteotome

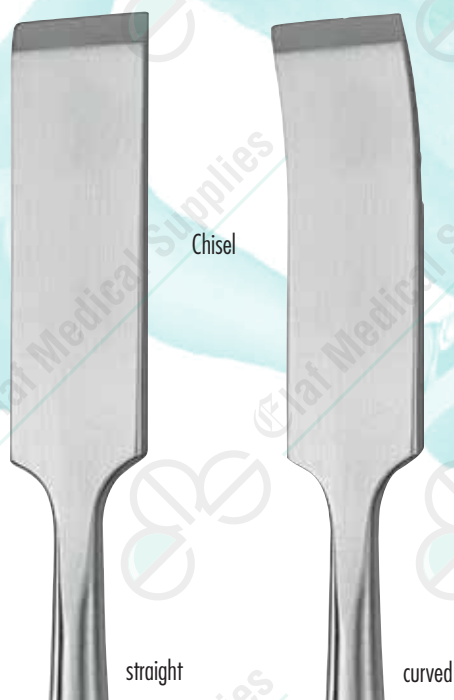
Chisel

Gouge

SHAPE



210-212-006	6mm	210-213-006	6mm
210-212-010	9mm	210-213-010	9mm
210-212-013	13mm	210-213-013	13mm
210-212-016	16mm	210-213-016	16mm
210-212-019	19mm	210-213-019	19mm
210-212-022	22mm	210-213-022	22mm
210-212-025	25mm	210-213-025	25mm
210-212-029	28mm	210-213-029	28mm
210-212-032	32mm	210-213-032	32mm
210-212-038	38mm	210-213-038	38mm



210-206-006	6mm	210-207-006	6mm
210-206-010	9mm	210-207-010	9mm
210-206-013	13mm	210-207-013	13mm
210-206-016	16mm	210-207-016	16mm
210-206-019	19mm	210-207-019	19mm
210-206-022	22mm	210-207-022	22mm
210-206-025	25mm	210-207-025	25mm
210-206-029	28mm	210-207-029	28mm
210-206-032	32mm	210-207-032	32mm
210-206-038	38mm	210-207-038	38mm



Hibbs
240mm, 9 1/2"



210-144-060	6mm
210-144-090	9mm
210-144-130	13mm
210-144-150	16mm
210-144-190	19mm
210-144-220	22mm
210-144-250	25mm
210-144-280	28mm
210-144-320	32mm
210-144-380	38mm

Hibbs
Gouge
240mm, 9 1/2"



210-145-060	6mm
210-145-090	9mm
210-145-130	13mm
210-145-150	16mm
210-145-190	19mm
210-145-220	22mm
210-145-250	25mm
210-145-280	28mm
210-145-320	32mm
210-145-380	38mm

Hibbs
Gouge
240mm, 9 1/2"



210-130-000
Chisel Handle for
interchangeable blades
with Ferrozell Handle

210-130-001
Spare Screw



210-130-005
5mm, 85mm, 3¹/₄"



210-130-010
10mm, 85mm, 3¹/₄"



210-130-016
16mm, 85mm, 3¹/₄"



210-130-025
25mm, 85mm, 3¹/₄"

Chisel blades



210-130-105
5mm, 85mm, 3¹/₄"



210-130-110
10mm, 85mm, 3¹/₄"

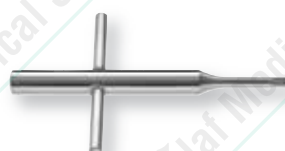


210-130-116
16mm, 85mm, 3¹/₄"



210-130-125
25mm, 85mm, 3¹/₄"

Osteotome blades



210-130-500
9cm, 3¹/₂"
Wrench



135mm, 5³/₈"

210-130-050
r=50mm

210-130-060
r=60mm

210-130-070
r=70mm

Gouge blades



straight

210-435-010	10mm
210-435-015	15mm
210-435-020	20mm

Osteotome
with Ferrozell Handle
200mm, 8"



curved

210-437-010	10mm
210-437-015	15mm
210-437-020	20 mm



Lexer-Mini
Osteotome
with Ferrozell Handle
180mm, 7"



Lexer
Osteotome
with Ferrozell Handle
220mm, 8³/₄"

210-137-004	4mm
210-137-006	6mm
210-137-008	8mm
210-137-010	10mm
210-137-012	12mm



Lexer-Mini
Gouge
with Ferrozell Handle
180mm, 7"



210-138-002	2mm
210-138-004	4mm
210-138-006	6mm
210-138-008	8mm
210-138-010	10mm
210-138-012	12mm
210-138-015	15mm

210-134-005	5mm
210-134-007	7mm
210-134-010	10mm
210-134-012	12mm
210-134-015	15mm
210-134-020	20mm
210-134-025	25mm
210-134-030	30mm



Lexer
Gouge
with Ferrozell Handle
220mm, 8^{3/4}"

210-135-005	5mm
210-135-007	7mm
210-135-010	10mm
210-135-012	12mm
210-135-015	15mm
210-135-020	20mm
210-135-025	25mm
210-135-030	30mm



210-153-010
Splitting-Gouge, 10mm
with Ferrozell Handle
220mm, 8^{3/4}"



Zielke
210-500-006 6mm
210-500-009 9mm
Gouge
with Ferrozell Handle
230mm, 9"



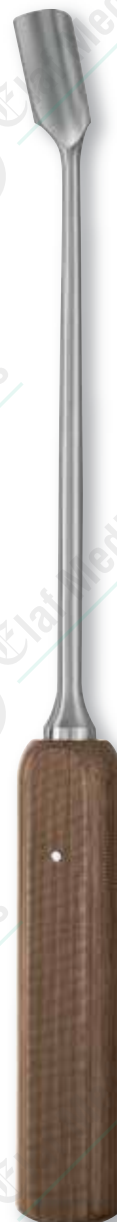
210-146-240
Chisel, straight, 20mm
with Ferrozell Handle
245mm, 9³/₄"



210-149-260
Chisel, curved 16mm
with Ferrozell Handle
265mm, 10¹/₂"



Lexer
210-251-010 10mm
210-251-015 15mm
Osteotome, angled,
with Ferrozell Handle
275mm, 10³/₄"



Lexer
210-252-010 10mm
210-252-015 15mm
Gouge, angled, with Ferrozell Handle
275mm, 10³/₄"



CHISELS & GOUGES

Chisels and
Gouges



Lexer
Spongiosa Gouge
with Ferrozell Handle
250mm, 10"

210-240-005	5mm
210-240-010	10mm
210-240-015	15mm



210-240-105	5mm
210-240-110	10mm
210-240-115	15mm



210-235-006	6mm
210-235-008	8mm
210-235-010	10mm
210-235-011	11mm
210-235-013	13mm
210-235-016	16mm
210-235-019	19mm



Capener
Lamina Gouge
with Ferrozell Handle
240mm, 9 1/4"



Elaf Medical Supplies



Ferrozell Handle	210-405-195	210-405-295	210-405-395	210-405-495
Hexagon Handle	210-405-100	210-405-101	210-402-102	210-405-103
	straight	slightly curved	strongly curved	backwards curved



Cobb
Gouge, 4mm,
with Ferrozell Handle
280mm, 11"



Cobb
Gouge, 4mm,
with Hexagon Handle
240mm, 9 1/2"



210-403-006	6mm
210-403-009	9mm
210-403-013	13mm
210-403-016	16mm
210-403-019	19mm
210-403-025	25mm
210-403-032	32mm



210-406-006	6mm
210-406-009	9mm
210-406-013	13mm
210-406-016	16mm
210-406-019	19mm
210-406-025	25mm
210-406-032	32mm



Cobb
Osteotome
280mm, 11"



straight

210-111-004	4mm
210-111-005	5mm
210-111-006	6mm
210-111-008	8mm
210-111-010	10mm
210-111-012	12mm
210-111-015	15mm
210-111-020	20mm
210-111-022	22mm
210-111-025	25mm



angled

210-118-004	4mm
210-118-005	5mm
210-118-006	6mm
210-118-008	8mm
210-118-010	10mm
210-118-012	12mm
210-118-015	15mm
210-118-020	20mm
210-118-022	22mm
210-118-025	25mm



Dahmen
Osteotome,
with Ferrozell Handle
300mm, 11³/₄"



straight

210-112-004	4mm
210-112-005	5mm
210-112-006	6mm
210-112-008	8mm
210-112-010	10mm
210-112-012	12mm
210-112-015	15mm
210-112-020	20mm
210-112-022	22mm
210-112-025	25mm



Dahmen
Gouge,
with Ferrozell Handle
300mm, 11³/₄"



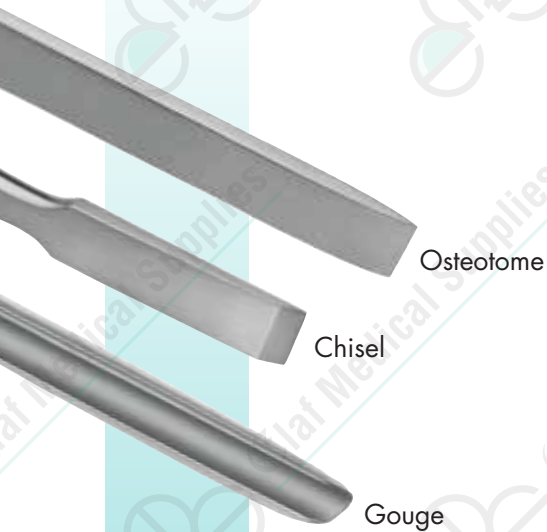
angled backward

210-119-004	4mm
210-119-005	5mm
210-119-006	6mm
210-119-008	8mm
210-119-010	10mm
210-119-012	12mm
210-119-015	15mm
210-119-020	20mm
210-119-022	22mm
210-119-025	25mm



angled forward

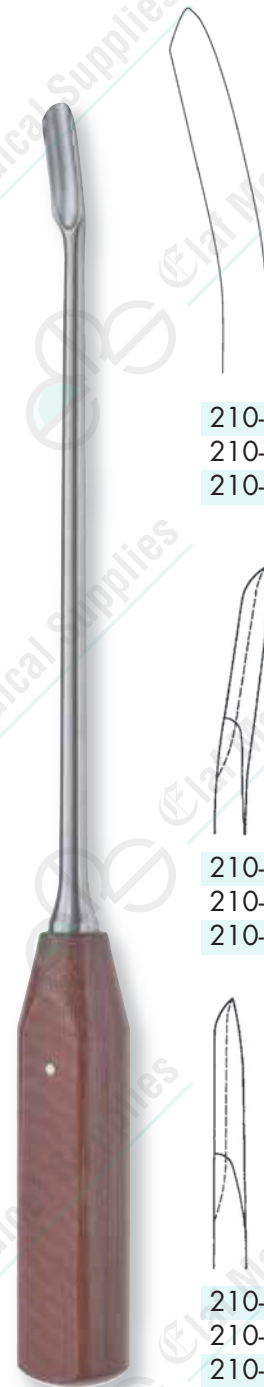
210-113-004	4mm
210-113-005	5mm
210-113-006	6mm
210-113-008	8mm
210-113-010	10mm
210-113-012	12mm
210-113-015	15mm
210-113-020	20mm
210-113-022	22mm
210-113-025	25mm



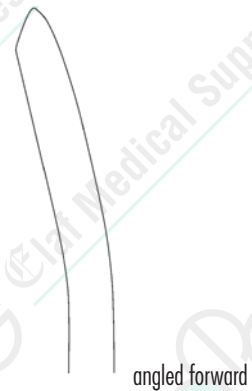
SHAPE



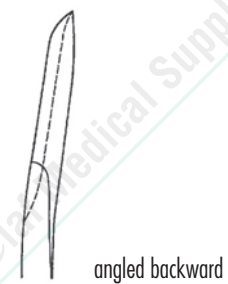
Lexer
210-135-050 5mm
Gouge,
with Ferrozell Handle
280mm, 11"



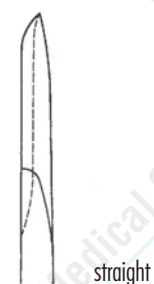
Wagner
Gouge,
with Ferrozell Handle
340mm, 13¹/₂"



210-409-341	9mm
210-415-341	15mm
210-430-341	30mm



210-409-342	9mm
210-415-342	15mm
210-430-342	30mm



210-410-340	9mm
210-415-340	15mm
210-430-340	30mm



Lexer
210-135-120
Chisel, 12mm,
with Ferrozell Handle
200mm, 8"



210-437-160
Osteophyt Chisel
curved, 16mm,
with Ferrozell Handle
200mm, 8"



Lexer
210-148-250 straight, 250mm, 10"
210-149-250 curved, 250mm, 10"
210-148-320 straight, 320mm, 12 1/2"
210-149-320 curved, 320mm, 12 1/2"
Chisel, 16mm wide, with Ferrozell Handle



Capener
Osteotome, 12,7mm wide,
with Ferrozell Handle,
255mm, 10"

straight

210-230-006	6mm
210-230-010	10mm
210-230-012	12mm
210-230-015	15mm
210-230-020	20mm
210-230-025	25mm
210-230-030	30mm

curved

210-231-006	6mm
210-231-010	10mm
210-231-012	12mm
210-231-015	15mm
210-231-020	20mm
210-231-025	25mm
210-231-030	30mm



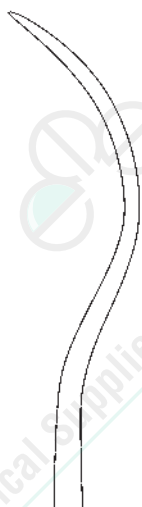
210-410-280
25mm
285mm, 11¹/₃"

Swan Neck Gouge,
with Ferrozell Handle

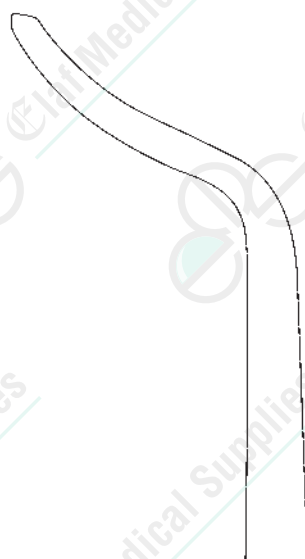


210-410-260
270mm, 10³/₄"
16mm

210-410-320
320mm, 12¹/₂"
16mm



210-410-270
20mm
270mm, 10³/₄"



210-410-240
16mm
250mm, 10"



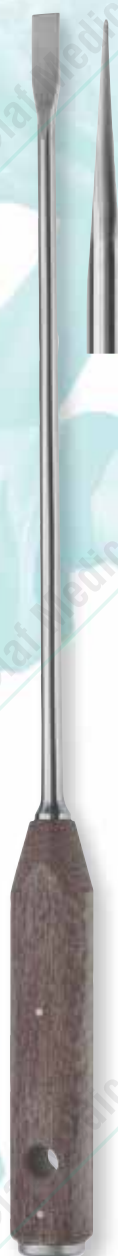
210-154-320
Gouge for cement removal,
8mm, with Ferrozell Handle
320mm, 12¹/₂"



Lexer
210-251-003 3mm
210-251-004 4mm
Chisel, with Ferrozell Handle
260mm, 10¹/₄"



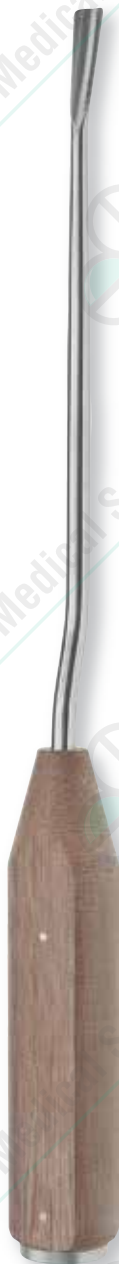
Lexer
210-251-025
Chisel, 25mm,
with Ferrozell Handle
315mm, 12¹/₂"



Lexer
210-251-280 280mm, 11"
210-251-330 330mm, 13"
Chisel, 8mm,
with Ferrozell Handle



210-153-310
Chisel for cement
removal, 5mm,
45° angled upwards,
with Ferrozell Handle
310mm, 12¹/₃"



Gouge for cement removal,
9mm, with Ferrozell Handle
340mm, 13¹/₃"



210-159-009



210-156-009



210-154-300
Gouge, 8mm, bayonett
with Ferrozell Handle
320mm, 12³/₄"





210-157-009
Chisel for the extraction of
Cement, 9mm, negative,
with Ferrozell Handle
280mm, 11"



210-515-280
Chisel for splitting the
Cement, 8.5mm
with Ferrozell Handle
280mm, 11"





SECTION

H

MALLETS
AND
TAMPS



Elaf Medical Supplies



WEIGHT 80g

210-220-080
Lead filled head
Ø 20mm
165mm, 6 1/2"



WEIGHT 80g

Lucae
210-230-190
Ø 19mm
190mm, 7 1/2"



WEIGHT 140g

Lucae
210-231-190
Ø 25mm
190mm, 7 1/2"



WEIGHT 80g

210-268-205
For hand surgery
Ø 18x18mm and 7mm,
with Ferrozell Handle
205mm, 8"



WEIGHT 120g

Partsch
210-225-180
Ø 22mm
180mm, 7"



WEIGHT 120g

Doyen
210-250-210
Ø 25mm
210mm, 8 1/4"



WEIGHT 215g

Cloward
210-215-190
Ø 19mm
Lead filled
190mm, 7 1/2"



WEIGHT 220g

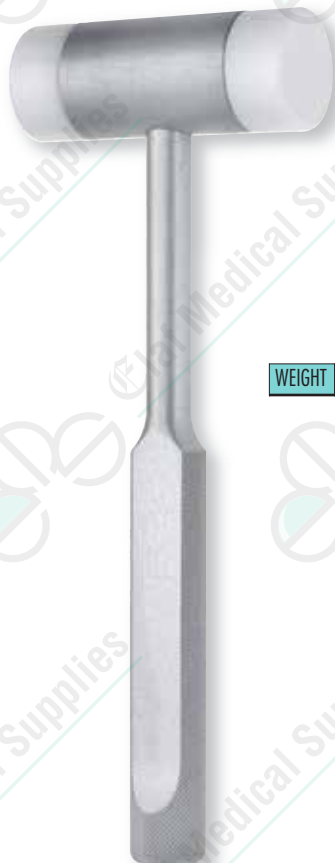
Collin (Lucae)
210-220-200
Ø 30mm
200mm, 8"



WEIGHT 140g

210-264-140
with 2 interchangeable
plastic disks
Ø 25mm
185mm, 7¹/₄"

210-265-000
Spare disks, pair



WEIGHT 140g

210-264-220
Anodized aluminium Handle
and head
Ø 32mm
225mm, 9"

210-264-221
Plastic disc only



WEIGHT 130g

Wagner
210-235-130
complete with
plastic discs 210-235-132
Ø 35mm
235mm, 9¹/₂"



210-235-131
215g, Ø 35mm
Metal discs only



210-235-132
32g, Ø 35mm
Plastic discs only



210-235-133
Wrench only



WEIGHT 130g

Hajek
210-244-220
Ø 27mm
220mm, 8^{3/4}"



WEIGHT 180g

Doyen
210-300-210
Ø 30mm
210mm, 8^{1/3}"



WEIGHT 205g

210-261-191
with interchangeable disk
1 teflon insert / 1 metal insert
Ø 25mm
190mm, 7^{1/4}"



WEIGHT 470g

210-264-180
with 1 interchangeable plastic disc
Ø 38mm
185mm, 7^{1/4}"



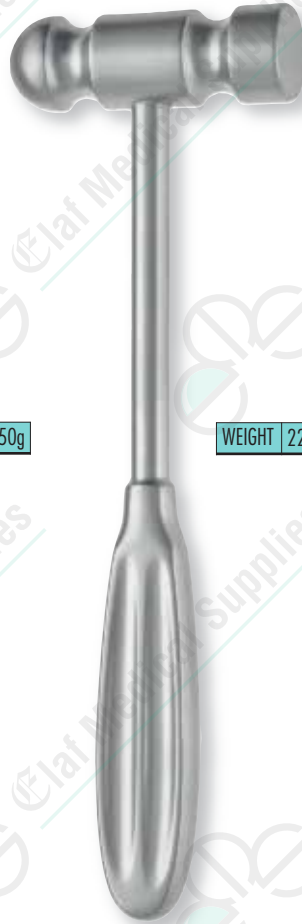
WEIGHT 220g

USA Model
210-300-180
Ø 30mm
180mm, 7"



WEIGHT 850g

USA Model
210-300-190
Ø 38mm
190mm, 7½"



WEIGHT 220g

Cloward
210-220-230
Ø 25mm
230mm, 9"



WEIGHT 260g

Doyen
210-350-210
Ø 35mm
210mm, 8¼"



WEIGHT 260g

Bergmann (Hibbs)
210-500-230
Ø 40mm
230mm, 9"



WEIGHT 320g

Mead
210-262-170
With 2 interchangeable
plastic disks
Ø 27mm
190mm, 7 1/2"
210-263-000
Spare disks, pair



WEIGHT 300g

Williger
210-240-300
Ø 26mm
240mm, 9 1/2"



WEIGHT 290g

210-290-260
Lead filled head,
repercussion free
Ø 30mm,
with Ferrozell Handle
265mm, 10 1/2"
210-290-000
Plastic disc only



WEIGHT 420g

210-242-240
Ø 30mm / 42mm,
with Ferrozell Handle
260mm, 10¹/₃"



WEIGHT 240g

210-240-250
Ø 37mm
250mm, 10"



WEIGHT 150g

210-260-150
Lead filled, Ferrozell
Ø 35mm
240mm, 9¹/₂"



210-240-000
Spare discs, pair

210-260-240
Ø 42mm
260mm, 10¹/₃"

WEIGHT 250g



210-260-350

Lead filled,
with Ferrozell Handle
Ø 30mm
250mm, 10"

WEIGHT 350g

210-260-500

Ø 35mm

WEIGHT 500g

210-260-700

Ø 40mm

WEIGHT 700g



Gerzog

210-180-400

Lead filled head

Ø 30mm
190mm, 7 1/2"

WEIGHT 300g



Bergmann

210-218-230

Ø 30mm

230mm, 9"

WEIGHT 300g



Williger

210-240-340

Ø 28mm

240mm, 9 1/2"

WEIGHT 300g

210-240-400

Ø 30mm

240mm, 9 1/2"

WEIGHT 400g



Bergmann

210-329-230

Ø 30mm

230mm, 9"

WEIGHT 450g



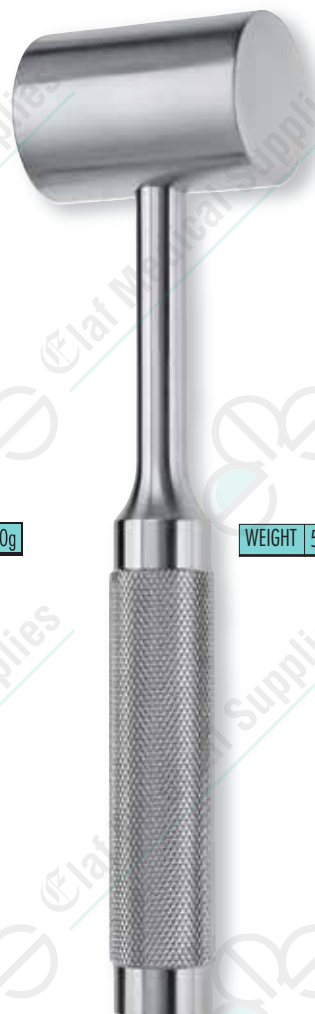
210-240-450
 Ø 35mm, **WEIGHT 450g**
 with Ferrozell Handle
 210-240-451
 Ø 50mm, **WEIGHT 900g**
 with Ferrozell Handle
 265mm, 10¹/₂"



210-241-450
 Ø 35mm **WEIGHT 450g**
 210-241-451
 Ø 50mm **WEIGHT 900g**
 280mm, 11"



210-240-520
 Ø 40mm
 185mm, 7¹/₄"



Ombredanne
 210-271-240
 Ø 40mm
 265mm, 10¹/₂"

WEIGHT 520g

WEIGHT 520g



WEIGHT 690g

Kirk
210-225-185
Ø 40mm
195mm, 7³/₄"



WEIGHT 700g

Heath (Kirk)
210-270-185
Copper filled head
Ø 40mm
185mm, 7¹/₄"



WEIGHT 710g

Ombredanne
210-270-240
Ø 40mm
240mm, 9¹/₂"

Tamps



210-115-003
Ø 3mm



210-115-005
Ø 5mm



210-115-007
Ø 7mm



210-115-009
Ø 9mm

Bruenings
Bone Tamper
160mm, 6¹/₄"



210-325-120
Ø 2.5mm



210-335-120
Ø 3.5mm

Passow
Bone Tamper
12cm, 4³/₄"



210-275-151	1mm
210-275-152	2mm
210-275-153	3mm
210-275-154	4mm
210-275-155	5mm
210-275-156	6mm
210-275-158	8mm
210-275-160	10mm

Bone Tamper,
round Handle,
150mm, 6"



210-090-002	2mm
210-090-003	3mm
210-090-004	4mm
210-090-005	5mm
210-090-006	6mm
210-090-008	8mm
210-090-009	9mm

Bone Tamper
155mm, 6"



Bone Tamper,
plain
160mm, 6¹/₃"



210-273-150	3mm
210-276-150	5mm
210-277-150	7mm
210-279-150	9mm



210-090-010
Bone Tamper, 10mm
155mm, 6"



210-090-020
Bone Tamper,
round, 19x7mm, straight,
with Ferrozell Handle
280mm, 11"



curved, smooth straight, serrated

straight, serrated

210-090-021	255mm, 10"
210-090-030	280mm, 11"
210-090-033	315mm, 12 ¹ / ₃ "

straight, smooth

210-090-023	255mm, 10"
210-090-032	280mm, 11"
210-090-035	315mm, 12 ¹ / ₃ "

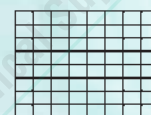
curved, smooth

210-090-022	255mm, 10"
210-090-031	280mm, 11"
210-090-034	315mm, 12 ¹ / ₃ "

Bone Tamper
15x6mm
with Ferrozell
Handle



Bone Tamper,
with Ferrozell Handle
350mm, 13²/₃"



210-090-012
19x14mm



210-090-011
15x10mm



210-091-100
3x8mm



210-091-101
4x10mm



210-091-102
5x15mm



210-091-103
6x20mm

Syper
Bone Tamper
with Ferrozell Handle
290mm, 11^{1/2}"



210-093-230
Cement Tamper, small,
double-ended 7mm / 3mm
230mm, 9"



210-212-200
12mm

210-214-200
14mm

210-215-200
16mm

Caspar
Bone Tamper
with Synthetic Handle
200mm, 8"



210-273-200
3mm

210-274-200
5mm

210-275-200
8mm

Caspar
Bone Tamper
with Synthetic Handle
200mm, 8"



SECTION

FILES AND
RASPS



Elaf Medical Supplies



Fomon
420-661-000
Rasp, fine, double-ended
7.5mm/6.5mm
215mm, 8 1/2"



Fomon
420-660-000
Rasp, coarse, double-ended
7.5mm/6.5mm
215mm, 8 1/2"



Fomon
420-661-100
Rasp, double ended
fine/coarse, 4 sides
215mm, 8 1/2"



Fomon
420-662-001 coarse
420-662-002 fine
Rasp, double-ended
215mm, 8 1/2"



500-387-000

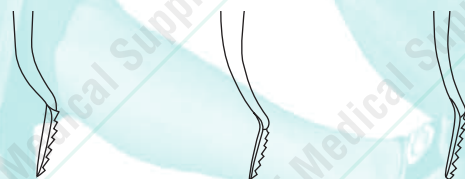
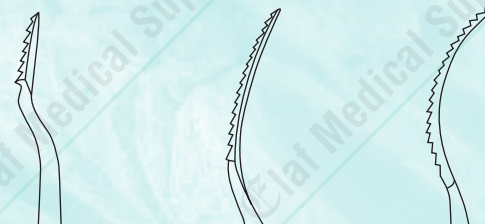
Fig. 1
8mm / 5mm

500-384-010

Fig. 2
6mm / 4mm

500-386-045

Fig. 3
6mm / 5mm



Miller

Rasp, 90° cross-serrated,
cut on down stroke
180mm, 7"



Kleinert-Kutz

420-656-000

Rasp, double ended, 4 sides
220mm, 8³/₄ "



Fomon
TC Rasp,
double-ended
7mm x 40mm
210mm, 8 1/4"

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



Parkes
TC Rasp, 8x39mm
straight
210mm, 8 1/4"

420-490-210	Fig. 1
420-491-210	Fig. 2
420-492-210	Fig. 3
420-493-210	Fig. 4
420-494-210	Fig. 5
420-495-210	Fig. 6
420-496-210	Fig. 7
420-497-210	Fig. 8
420-498-210	Fig. 9
420-499-210	Fig. 10



Maltz
TC Rasp
165mm, 6 1/2"

420-492-165	Fig. 2
420-493-165	Fig. 3
420-494-165	Fig. 4
420-495-165	Fig. 5
420-496-165	Fig. 6



Fig. 1
0.8

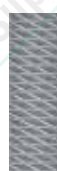


Fig. 2
1.1



Fig. 3
1.3



Fig. 4
1.6



Fig. 5
1.8



Fig. 6
2.0

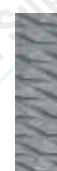


Fig. 7
2.4



Fig. 8
2.6



Fig. 9
2.8



Fig. 10
3.0



420-658-175

fine



420-659-175

coarse

Lewis

Rasp, set to cut
on down stroke
175mm, 7"



Maltz

420-654-180

420-672-000 TC

backward cutting

420-657-180

420-672-004 TC

forward cutting

Rasp, straight

180mm, 7"



McIndoe

420-655-180

Rasp, straight

180mm, 7"



420-605-160

fine



420-606-160

coarse

Joseph

Rasp, cross-serrated
165mm, 6 1/2"



Aufricht

Rasp, 90° cross-serrated
220mm, 8 3/4"



420-650-001

9mm, cut on down stroke



420-650-002

9mm, cut on up stroke



Aufricht

420-650-101

Rasp, fine, curved, 7x25 mm
diamond jaws
200mm, 7 3/4"



Maltz (Cottle)
420-670-210
Rasp, backward cutting
210mm, 8¹/₄"



Gallaher
420-678-190
Rasp, with ring, coarse
170mm, 6³/₄"



Putti
210-181-300
Bone File
300mm, 11³/₄"



Putti
210-183-270
Bone File
270mm, 10³/₄"



210-178-220
Bone File/rasp combination
220mm, 8³/₄"



210-176-280
Bone File with hollow Handle,
semi-round
280mm, 11"



210-177-245
Bone File, bayonet-shaped
240mm, 9¹/₂"

Lined area for notes, featuring horizontal blue lines and a repeating watermark logo.





SECTION

BONE RONGEUR



Elaf Medical Supplies

Bone Rongeurs



210-773-130
Strongly curved

Synovectomy Rongeur
1.2mm wide jaw,
130mm, 6¹/₈"



210-774-130
Slightly curved

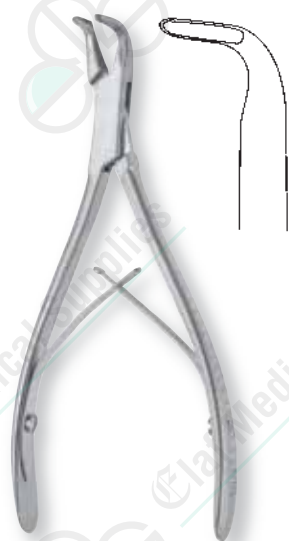


210-775-130
Strongly curved

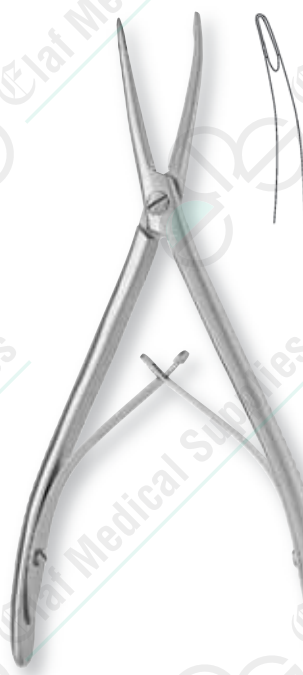
Synovectomy Rongeur
2.0mm wide jaw,
130mm, 6¹/₈"



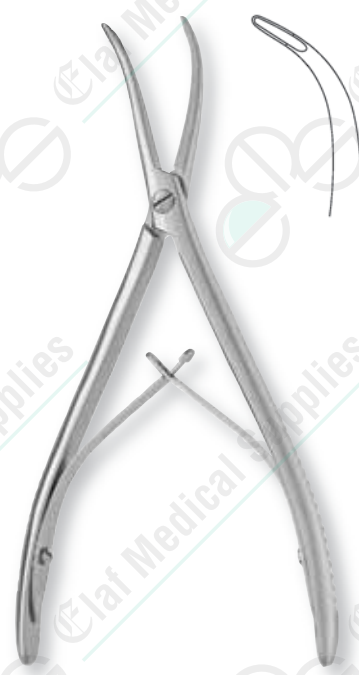
210-776-130
Slightly curved



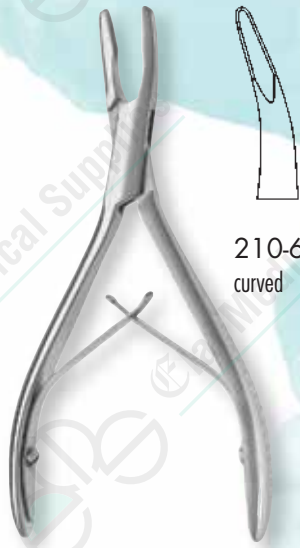
Friedman-Mini
210-642-120
Bone Rongeur
90° curved
140mm, 5¹/₂"



Stellbrink
210-777-001
Synovectomy Rongeur
slightly curved, 2mm wide jaw,
170mm, 6³/₄"



Stellbrink
210-777-002
Synovectomy Rongeur
strongly curved, 2mm wide jaw,
170mm, 6³/₄"



210-641-140
curved

Friedman
210-640-140
Bone Rongeur
140mm, 5 1/2"



210-642-140
slightly curved

Kleinert-Kutz
Bone Rongeur
140mm, 5 1/2"



210-643-140
strongly curved



210-640-150

Mini Friedmann
Bone Rongeur,
delicate jaw 1.1 mm
140mm, 5 1/2"



210-641-150



Mead
210-805-140
140mm, 5 1/2"
#4

Bone Rongeur



Cleveland
210-805-170
170mm, 6 3/4"
#4A



210-815-140
140mm, 5 1/2"
#1

Mead
Bone Rongeur



210-815-165
170mm, 6 3/4"
#1A



210-691-150
30°



210-693-150
45°



210-695-150
90°

Blumenthal
Bone Rongeur
155mm, 6"

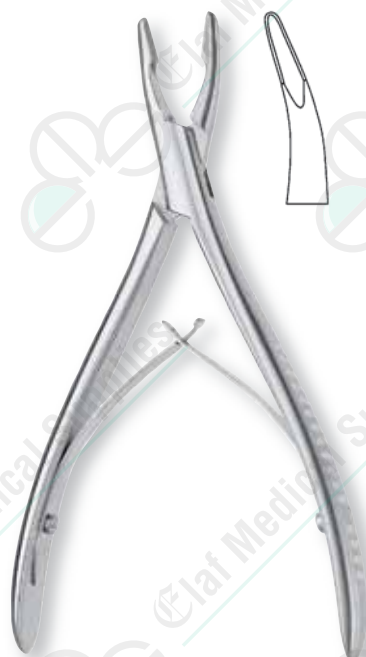


210-685-150



210-687-150

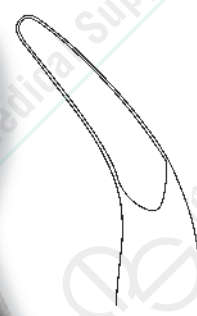
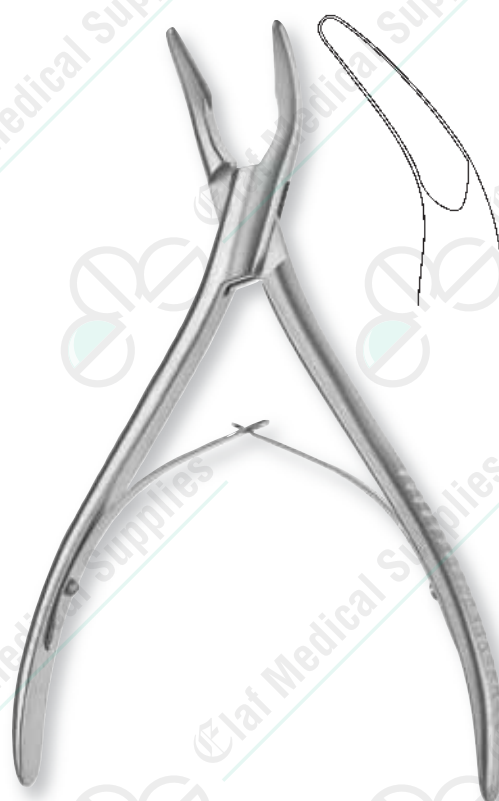
Luer
Bone Rongeur
140mm, 5 1/2"



Bone
210-787-180
Bone Rongeur
180mm, 7 1/8"



Hartmann
210-819-180
Bone Rongeur
160mm, 6 1/4"



Olivecrona
210-470-205
Bone Rongeur
200mm, 8"



210-846-170



210-847-170

Luer
Bone Rongeur
170mm, 6³/₄"

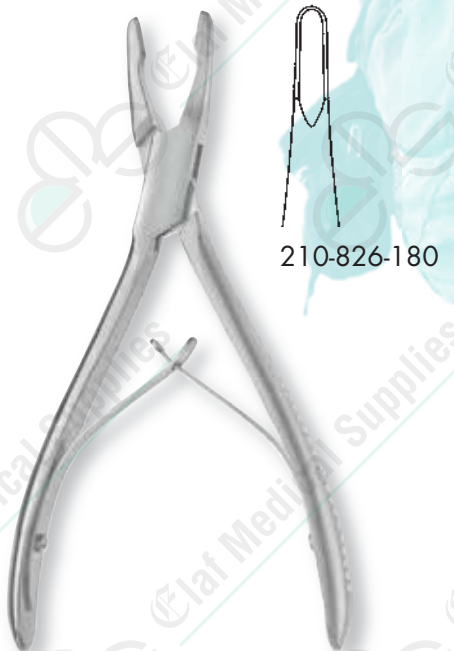


210-862-180



210-863-180

Luer
Bone Rongeur
180mm, 7¹/₈"

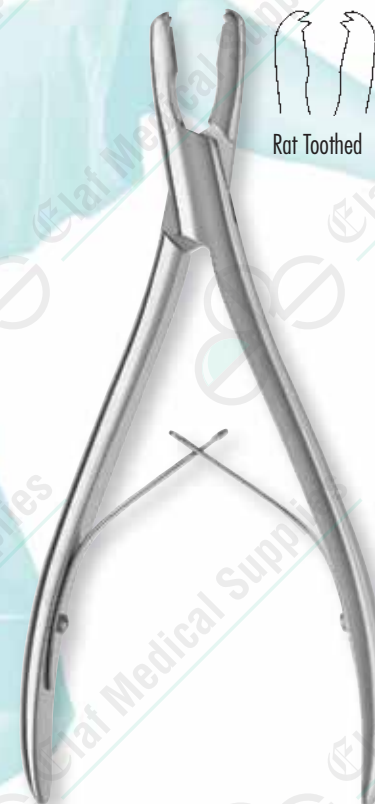


210-826-180



210-829-180

Jansen
Bone Rongeur
170mm, 6³/₄"



Rat Toothed



210-781-210
Bone Rongeur, Rat toothed
3x3 teeth
210mm, 8¹/₄"

Bone Rongeurs



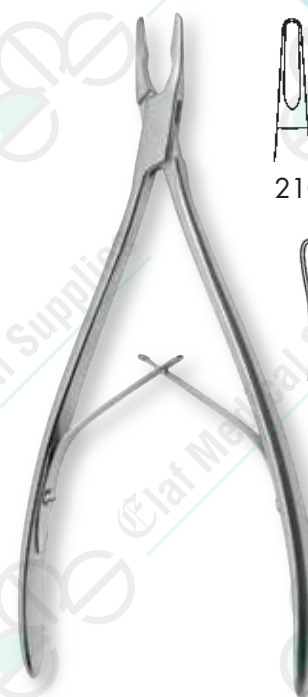
210-830-180

210-831-180

Beyer
Bone Rongeur, 3x16mm
180mm, 7¹/₈"



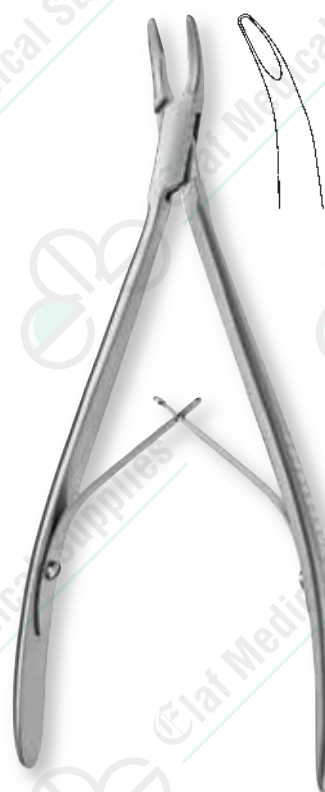
Defourmentel
210-772-190
Bone Rongeur, 3mm jaws
190mm, 7¹/₂"



210-832-185

210-833-185

Lempert
Bone Rongeur
190mm, 7¹/₂"



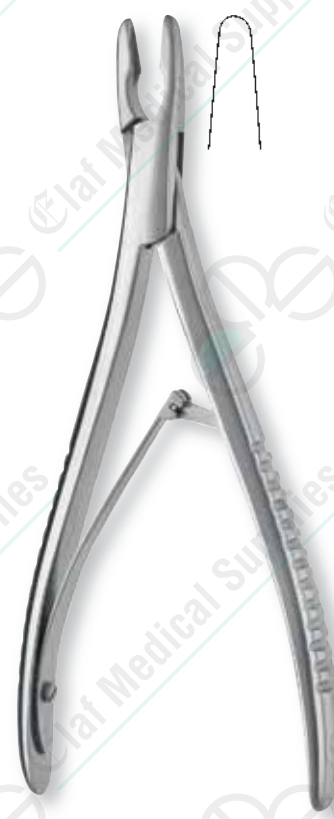
Lempert
210-771-160
Bone Rongeur, curved
160mm, 6¹/₃"

210-771-190
190mm, 7¹/₂"

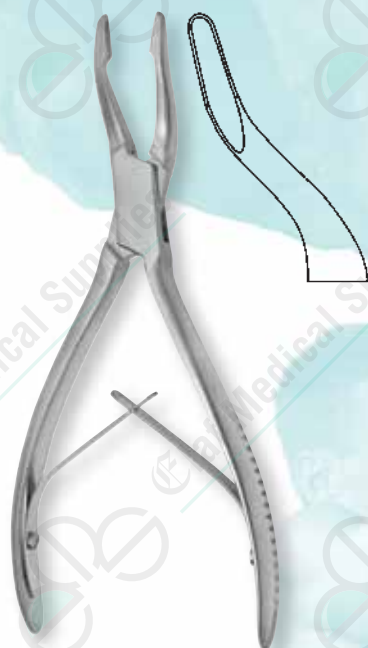


Lempert
210-770-160
Bone Rongeur, straight
160mm, 6¹/₃"

210-770-190
190mm, 7¹/₂"



Pennybacker
210-794-200
Bone Rongeur, 4mm delicate jaws
200mm, 8"



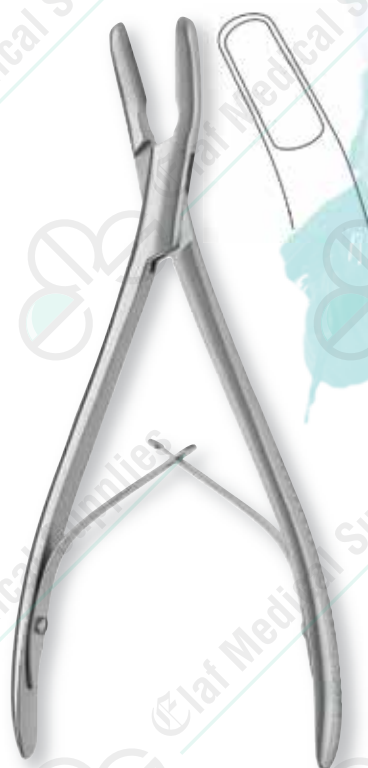
Jansen
210-829-170
Bone Rongeur
170mm, 6³/₄"



210-730-003
3mm jaws



210-730-005
5mm jaws



Matzen
210-732-200
Intervertebral Bone Rongeur, 8mm jaws
200mm, 8"

Zielke
Bone Rongeur
210mm, 8¹/₄"



210-731-003
3mm jaws



210-731-005
5mm jaws

Zielke
Bone Rongeur
250mm, 10"

Bone Rongeurs



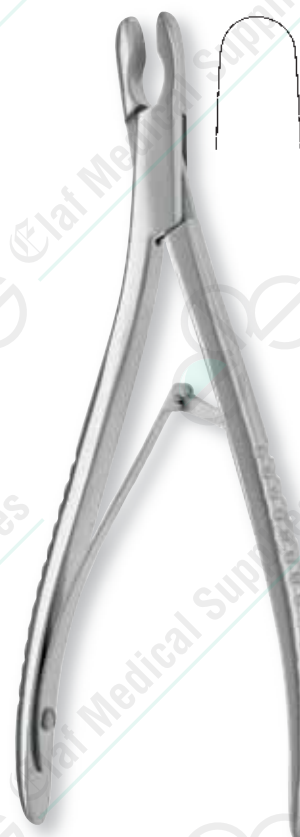
Zielke
210-732-002
Bone Rongeur, shanks curved right,
3mm jaws
190mm, 7 1/2"



Adson
210-845-200 straight
210-846-200 curved
Bone Rongeur
angled jaws
200mm, 8"



Zielke
210-733-003
Bone Rongeur, shanks curved left,
3mm jaws
190mm, 7 1/2"



Northfield
210-796-200
Bone Rongeur, 10mm jaws
200mm, 8"



Bacon
210-795-195
Bone Rongeur
angled jaws
200mm, 8"



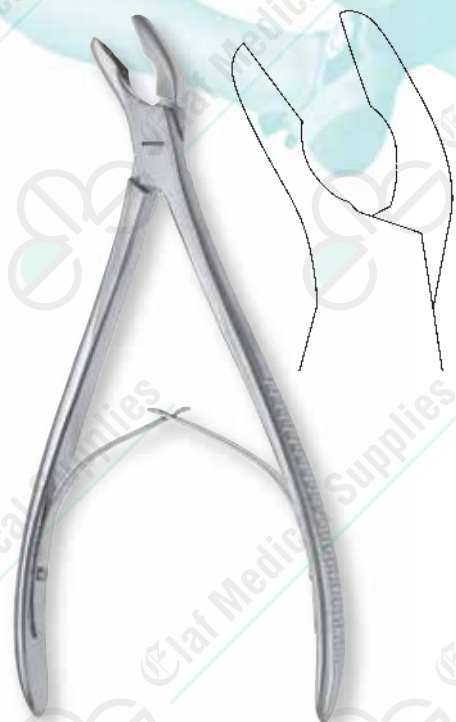
Wilms
210-841-200
Bone Rongeur
laterally angled
200mm, 8"



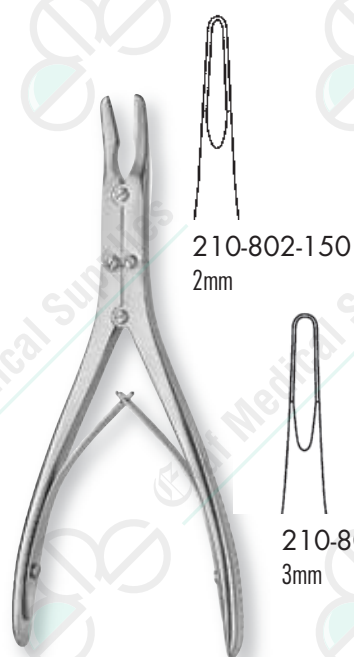
Guleke
210-847-205
Bone Rongeur, curved
205mm, 8"



Hakansson
210-825-160
Bone Rongeur, curved laterally
160mm, 6^{1/3}"



Trotter
210-839-200
Bone Rongeur
laterally angled
200mm, 8"

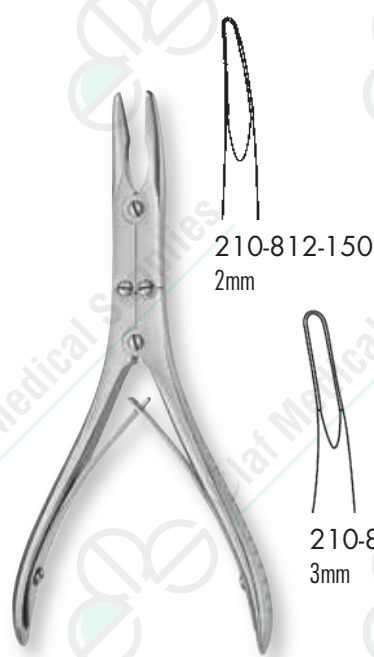


210-802-150
2mm



210-803-150
3mm

Mini-Ruskin
Bone Rongeur, straight
150mm, 6"



210-812-150
2mm

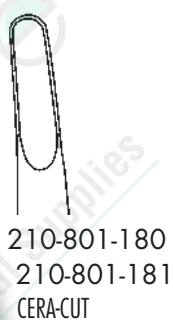


210-813-150
3mm

Mini-Ruskin
Bone Rongeur, curved
150mm, 6"

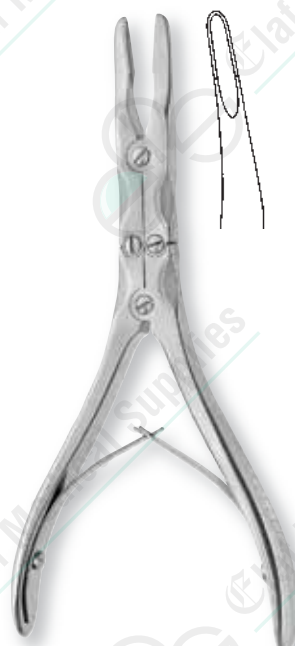


210-800-180

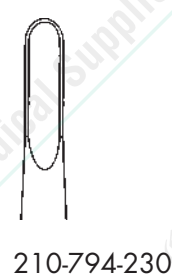


210-801-180
210-801-181
CERA-CUT

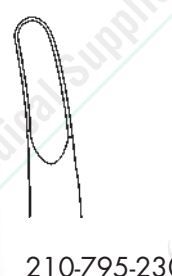
Ruskin
Bone Rongeur,
straight, 5mm
180mm, 7¹/₈"



Kleinert - Kutz
210-817-150
Bone Rongeur,
slightly curved, 2mm
150mm, 6"



210-794-230



210-795-230

Ruskin
Bone Rongeur,
straight, 5mm
240mm, 9¹/₂"



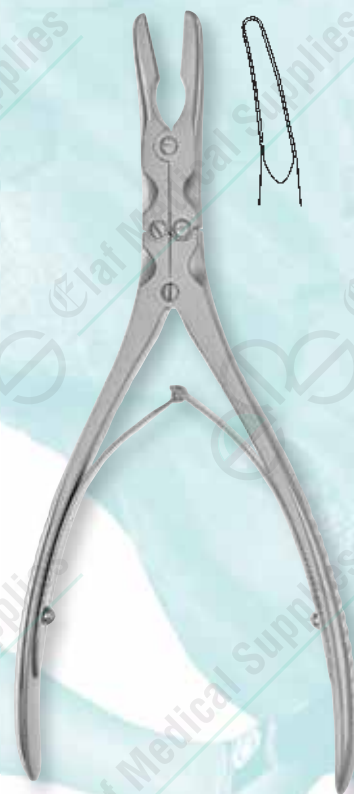
Ruskin
210-802-180 straight
210-803-180 curved
Bone Rongeur, delicate
180mm, 7 1/8"



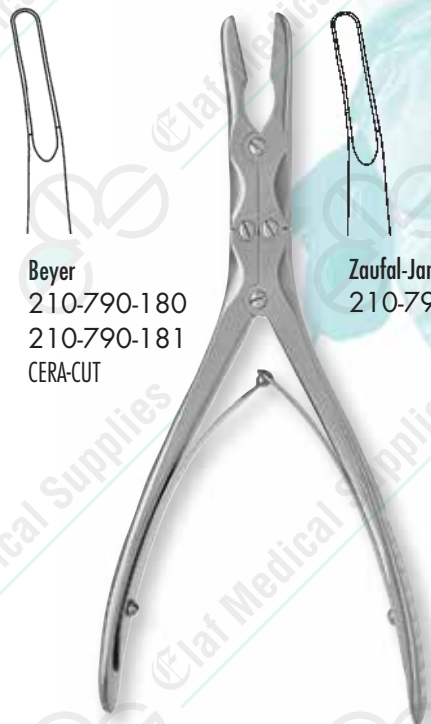
210-789-150
210-789-151



210-790-150



Marquardt
210-780-200
Bone Rongeur, curved
200mm, 8"



Beyer
210-790-180
210-790-181
CERA-CUT



Zaufal-Jansen
210-791-180



RZ CERA-CUT RONGEUR

- more durable
- longer resistance

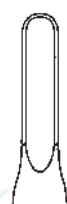
Bone Rongeur, curved,
4mm jaw
180mm, 7 1/8"



Ruskin
210-805-180
Bone Rongeur, laterally
angled, 180mm, 7¹/₈"

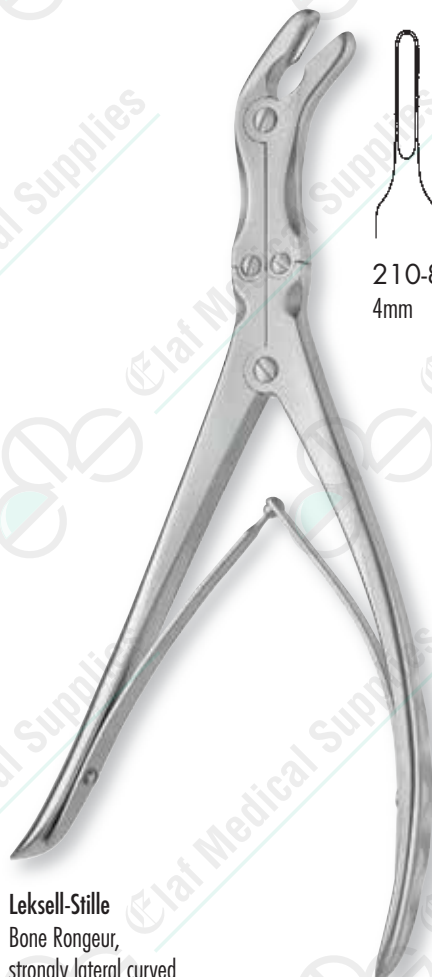


210-850-240
8mm



210-851-240
5mm

Leksell-Stille
Bone Rongeur, lateral curved
240mm, 9¹/₂"



210-854-240
4mm



210-852-240
5mm

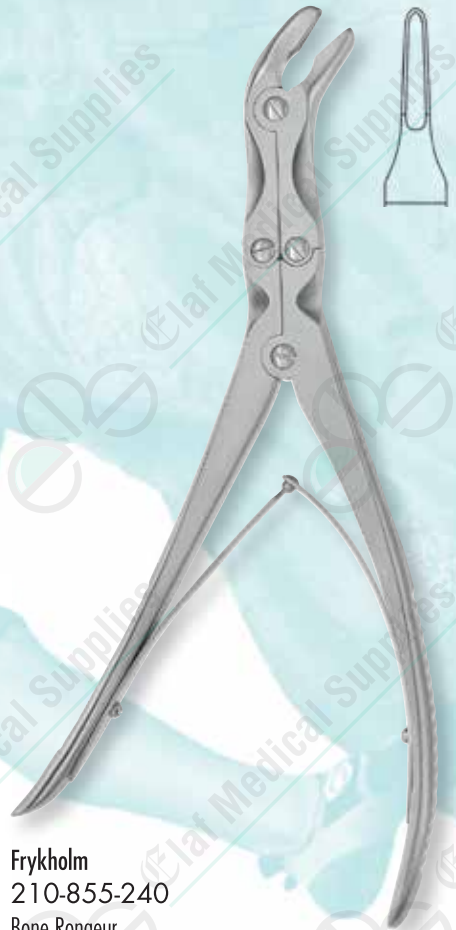


210-858-240
8mm

Leksell-Stille
Bone Rongeur,
strongly lateral curved
230mm, 9"



Stille-Luer
210-907-230
Bone Rongeur, side-wards curved
230mm, 9"



Frykholm
210-855-240
Bone Rongeur,
s-curved
240mm, 9¹/₂"



Echlin
210-798-230 2x10mm
210-799-230 3x10mm
210-797-230 4x10mm
Bone Rongeur
230mm, 9"

Bone Rongeurs



Stille-Luer
Bone Rongeur



straight, 220mm, 8²/₃"

210-907-220 10mm

210-910-220 17mm



curved, 220mm, 8²/₃"

210-911-220 10mm

210-909-220 17mm



210-910-260

straight
17mm bite
260mm, 10¹/₃"



210-911-260

curved
17mm bite
260mm, 10¹/₃"



210-843-360
3mm



210-845-360
5mm



210-848-360
8mm



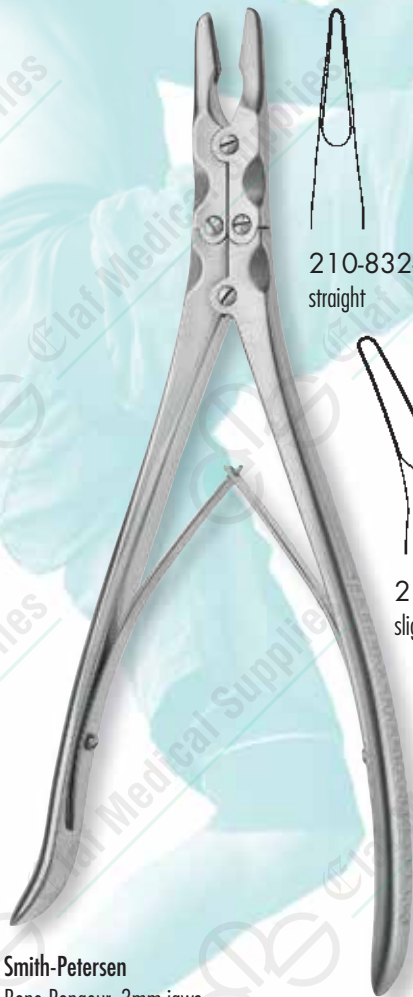
Dale-Leksell
Bone Rongeur with XL-Handle
360mm, 14¹/₈"



Roettgen-Ruskin
210-792-230
Bone Rongeur,
5mm jaws, curved
240mm, 9 1/2"



Stille-Ruskin
210-901-230
Bone Rongeur,
8mm jaws
230mm, 9"

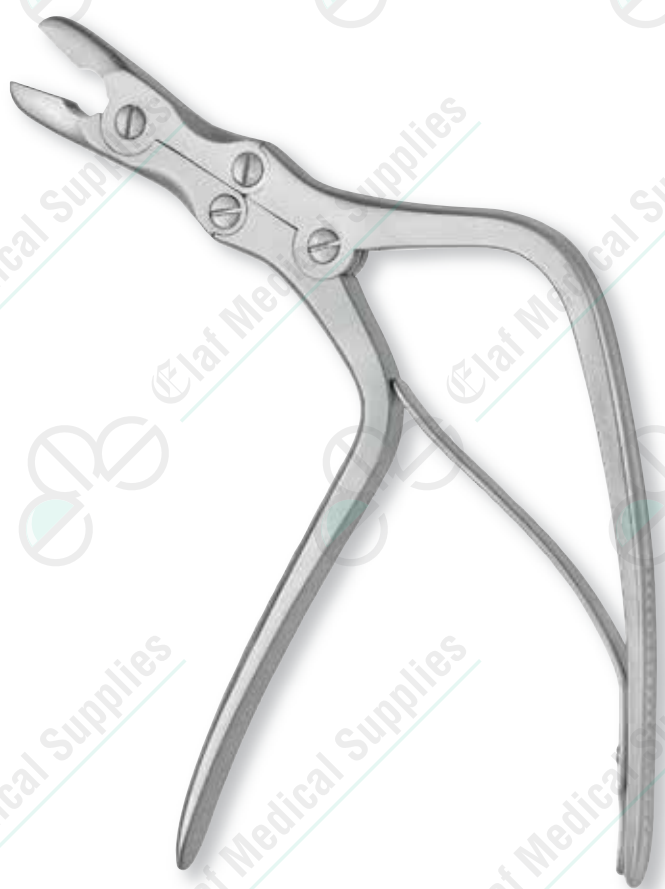


Smith-Petersen
Bone Rongeur, 3mm jaws
240cm, 9 1/2"

210-832-240
straight

210-834-240
slightly curved

210-836-240
strongly curved



Whiteside
210-886-260
Bone Rongeur, 6mm
260mm, 10¹/₄"



Semb
210-905-225
Bone Rongeur, curved
225mm, 9"



Scagetti
210-823-260
Bone Rongeur, curved right
260mm, 10¹/₄"



Scagetti
210-824-260
Bone Rongeur, curved left
260mm, 10¹/₄"

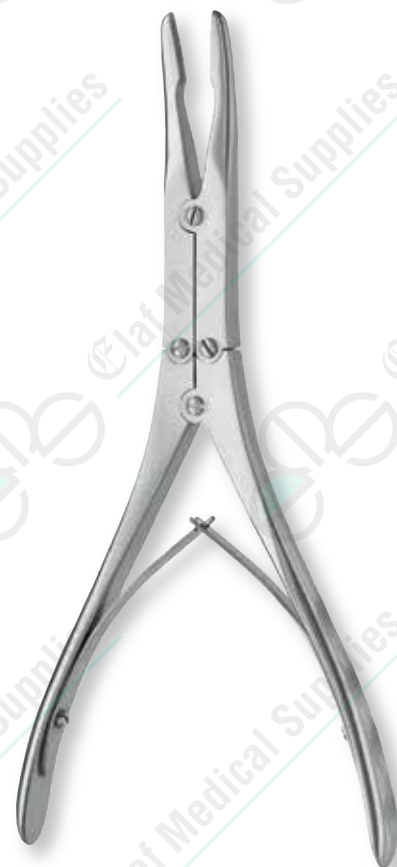


Orbita
210-904-225
Intervertebral Disc Rongeur,
straight, 4mm jaws
225mm, 8³/₄"



Sypert
Bone Rongeur
350mm, 13³/₄"

curved	
210-803-350	3mm
210-805-350	5mm
210-808-350	8mm
straight	
210-813-350	3mm
210-815-350	5mm
210-818-350	8mm



Orbita
210-903-220
Bone Rongeur,
2.5mm jaws, curved
220mm, 8³/₄"



210-916-300
straight, angular

210-915-300
straight, round

Sauerbruch
Bone Rongeur
300mm, 12"





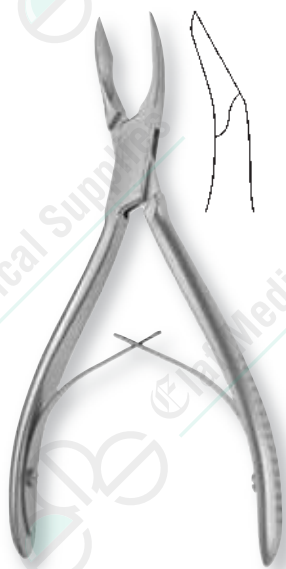
SECTION

K

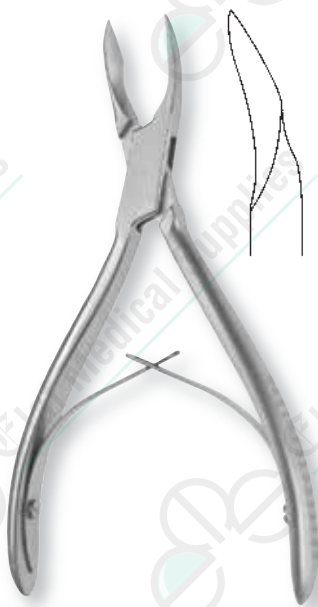
BONE CUTTING



Elaf Medical Supplies



Niro
210-845-130
Bone Cutting Forceps, angled
140mm, 5 $\frac{1}{2}$ "



Cleveland
210-845-145
Bone Cutting Forceps, angled on flat
145mm, 5 $\frac{3}{4}$ "



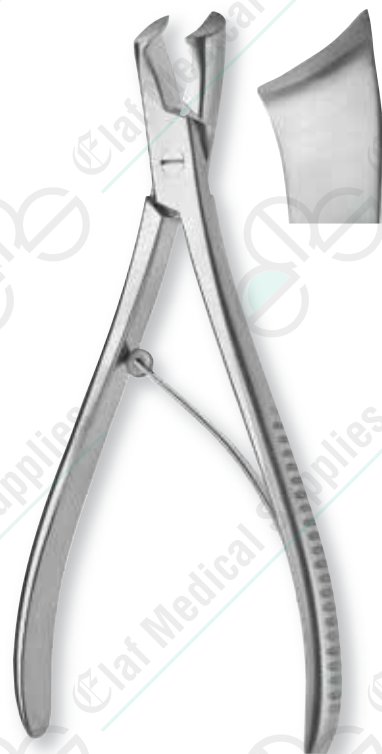
Cleveland
210-845-170
Bone Cutting Forceps, angled on flat
170mm, 6 $\frac{3}{4}$ "



Littauer
210-397-150
Nail Cutting Forceps, with spring
150mm, 6"



Cottle-Kazanjian
210-845-185
Bone Cutting Forceps, straight
180mm, 7"



Markwalder
210-866-200
Bone Cutting Forceps
200mm, 8"



Liston
Bone Cutting Forceps, straight



210-934-140
140mm, 5¹/₂"



210-934-170
170mm, 6³/₄"



210-934-190
190mm, 7¹/₂"



210-934-220
220mm, 8³/₄"



Liston
Bone Cutting Forceps, angled



210-935-140
140mm, 5¹/₂"



210-935-170
170mm, 6³/₄"



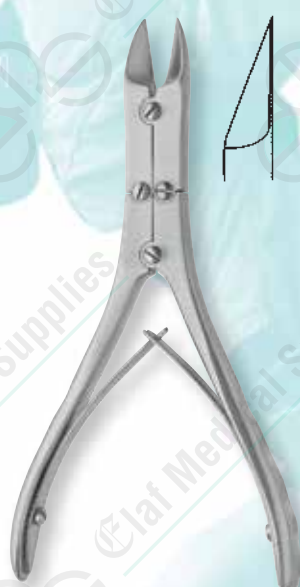
210-935-190
190mm, 7¹/₂"



210-935-220
220mm, 8³/₄"



Kleinert-Kutz
210-778-140 straight
210-777-140 strongly curved
Bone Cutting Forceps,
double action
150mm, 6"



Boehler
210-892-150
Bone Cutting Forceps,
double action, straight
150mm, 6"



Boehler
210-890-150
Bone Cutting Forceps,
double action, curved on flat
150mm, 6"



Gardner
210-981-004
Bone Cutting Forceps,
4mm wide
160mm, 6¹/₃"

Bone Cutting Forceps



210-844-170
straight



210-843-170
angled

Ruskin-Liston
Bone Cutting Forceps, double action
170mm, 6³/₄"



210-900-185
straight

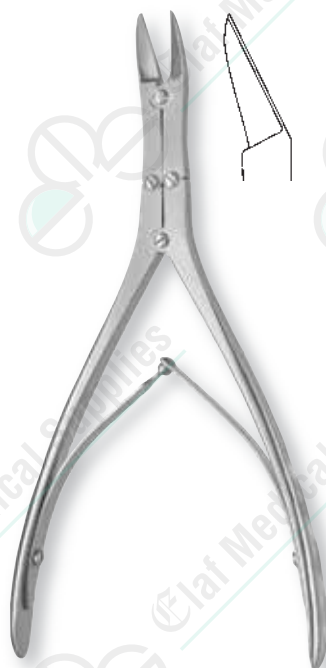


210-901-185
angled

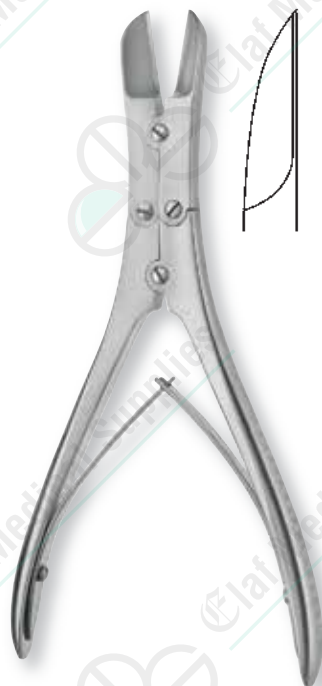
Ruskin-Liston
Bone Cutting Forceps, double action
185mm, 7¹/₄"



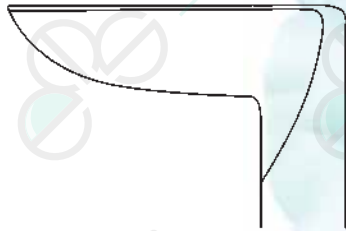
Beyer
290-860-170 straight
290-861-170 angled
Bone Cutting Forceps,
double action
170mm, 6³/₄"



McIndoe
210-880-175 175mm, 7"
210-880-190 190mm, 7¹/₂"
Bone Cutting Forceps,
double action



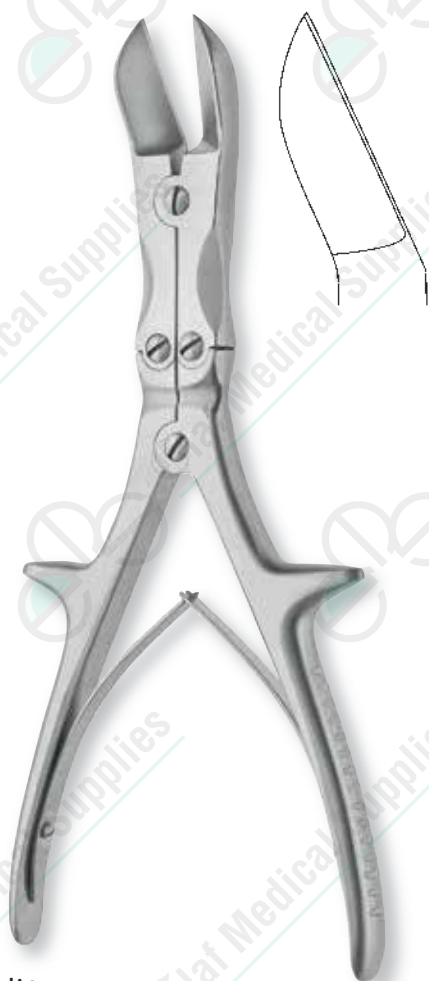
Ruskin-Rowland
210-855-180
Bone Cutting Forceps,
double action, straight
180mm, 7"



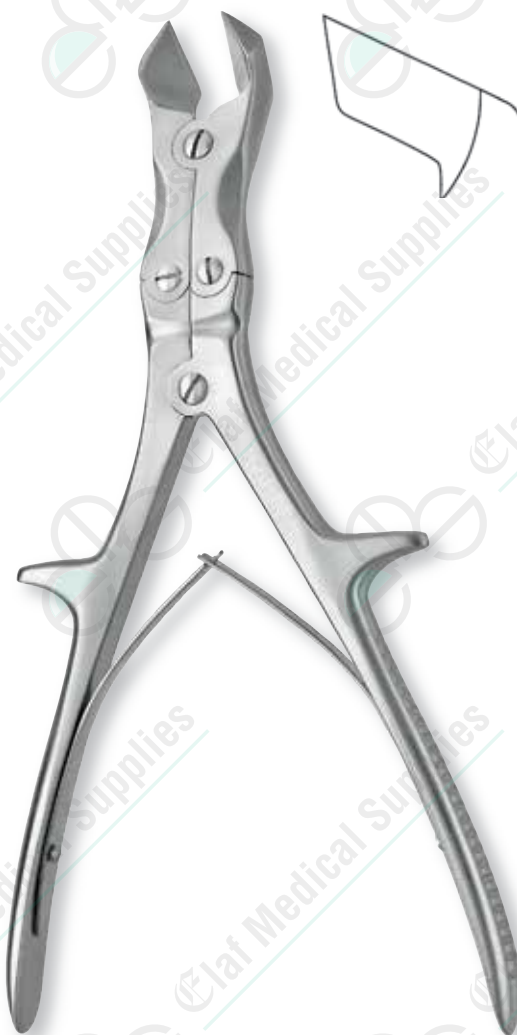
Stille-Liston
210-908-270
Bone Cutting Forceps,
double action, 90° angled
270mm, 10¹/₃"



Semb
210-911-245
Bone Cutting Forceps,
double action, lateral angled
245mm, 9¹/₂"



Liston
210-905-240
Bone Cutting Forceps, double action
curved on flat
240mm, 9 1/2"



Liston-Key-Horsley
210-910-255
Bone Cutting Forceps, double action
S-shaped
255mm, 10"



210-904-270
straight



210-902-270
angled

Stille-Liston
Bone Cutting Forceps, double action
270mm, 10³/₄"





SECTION



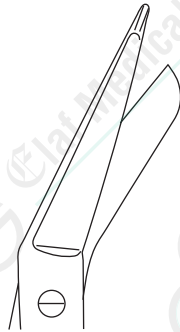
PLASTER
CAST
INSTRUMENTS



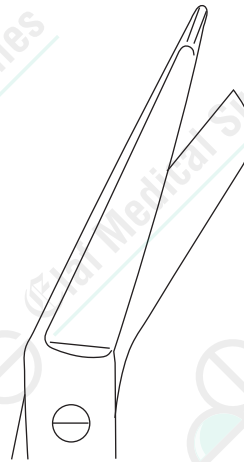
Elaf Medical Supplies



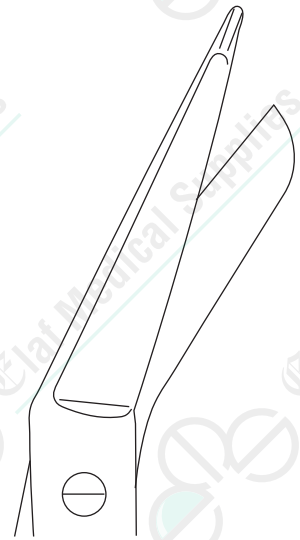
Lister
Bandage Scissors



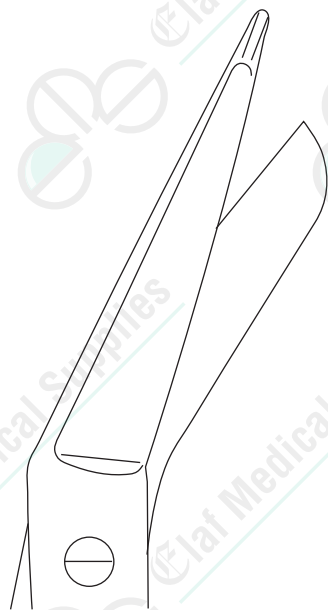
190-165-090
90mm, 3 1/2"



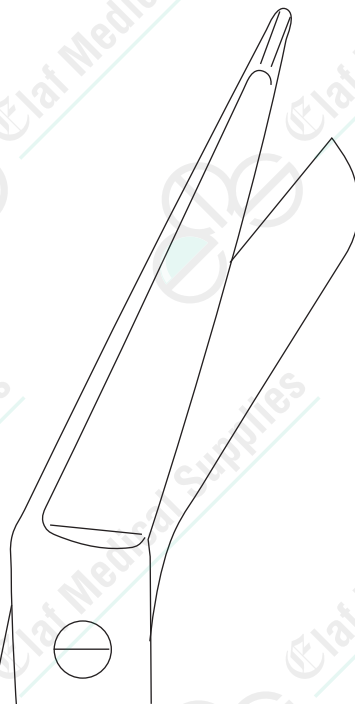
190-165-110
110mm, 4 3/8"



190-165-140
140mm, 5 1/2"



190-165-180
180mm, 7 1/8"



190-165-200
200mm, 8"



Lister
190-291-180 TC
191-165-180 Super-Cut
180mm, 7"



Lister-Excentric

190-177-160 160mm, 6¹/₄"

190-177-190 190mm, 7¹/₂"

Bandage Scissors, serrated



Lister

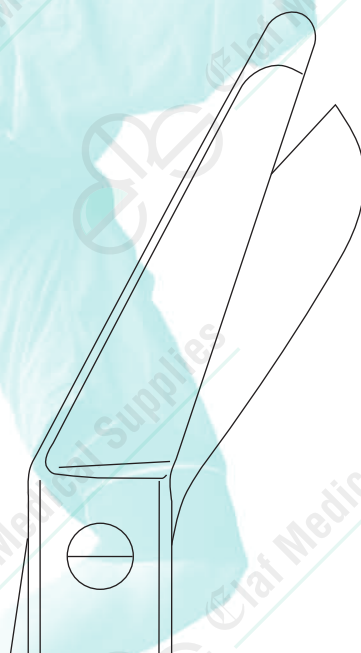
190-170-185 185mm, 7¹/₄"

190-170-210 200mm, 8"

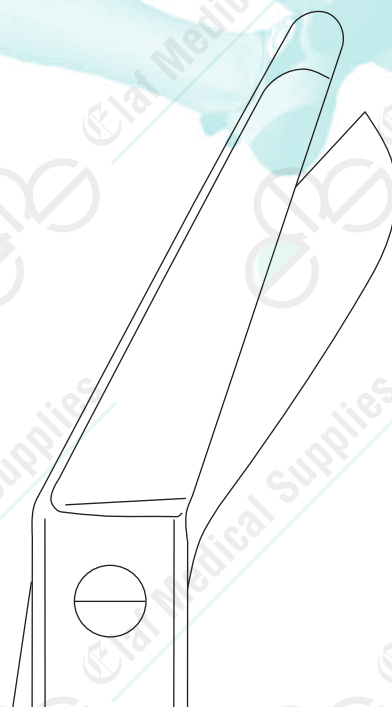
Bandage Scissors



**Esmarch
Plaster Scissors**



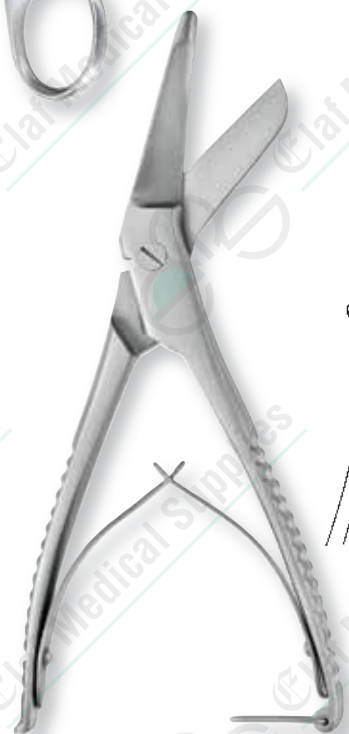
190-205-200
200mm, 8"



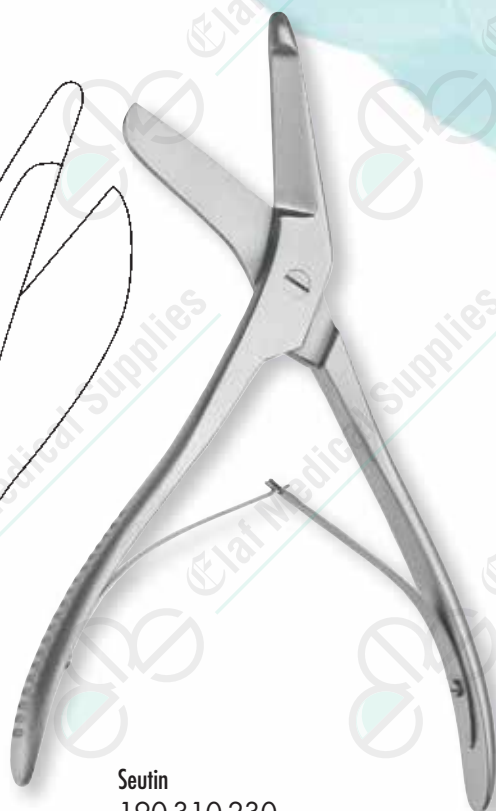
190-205-220
220mm, 8³/₄"



Bergmann
190-195-230
Plaster Scissors
230mm, 9"



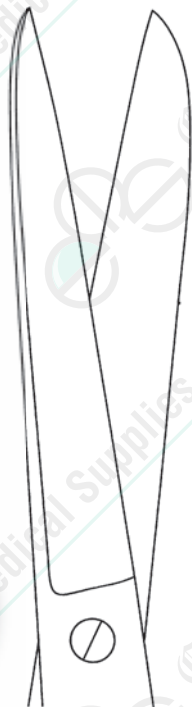
190-211-200
Cloth Scissors, serrated
200mm, 8"



Seutin
190-310-230
Cloth- and Plaster Scissors, serrated
230mm, 9"

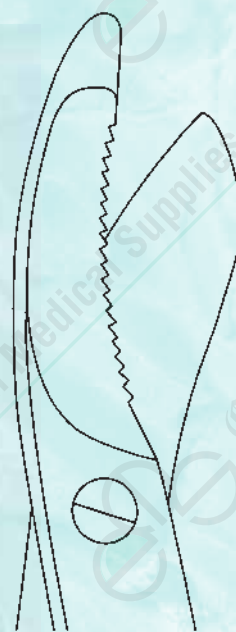
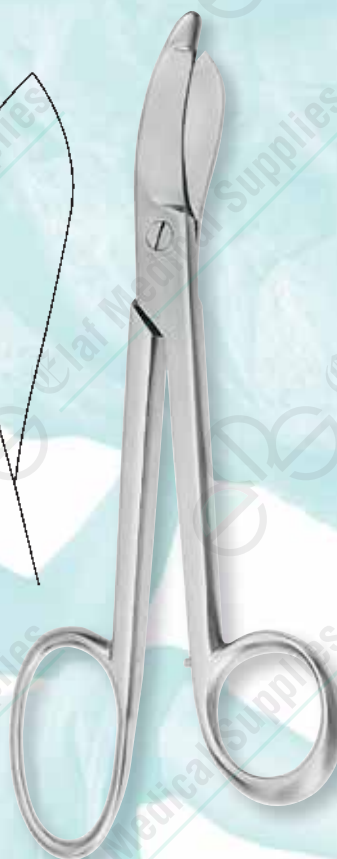
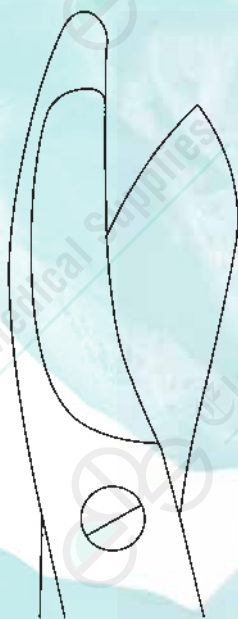


Smith (Mod. USA)
120-270-180 180mm, 7¹/₈"
120-270-230 230mm, 9"
Bandage Scissors





Lorenz
190-155-230
Bandage Scissors, curved
230mm, 9"



Brun's
190-223-240
Plaster Scissors, serrated
190-224-240
Plaster Scissors, smooth
240mm, 9 1/2"



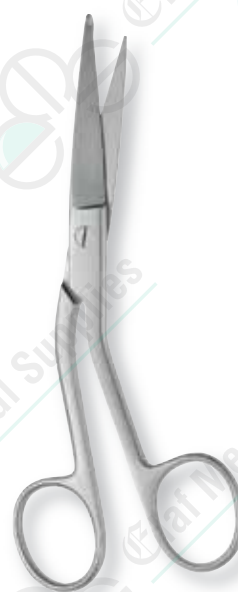
Knowles
Bandage Scissors
140mm, 5 1/2"



190-160-140
straight



190-161-140
angled



Knowles
190-162-140
Bandage Scissors, knee angled shaft
140mm, 5 1/2"



Universal

Plaster and Cloth Scissors, plastic protection cap,
with plastic rings, autoclavable
140mm, 5 1/2"

190-209-150	blue
190-209-151	black
190-209-152	red
190-209-153	yellow
190-209-154	green



Universal

Plaster and Cloth Scissors, plastic protection cap,
with plastic rings, autoclavable
180mm, 7 1/8"

190-209-180	blue
190-209-181	black
190-209-182	red
190-209-183	yellow
190-209-184	green
190-209-185	orange

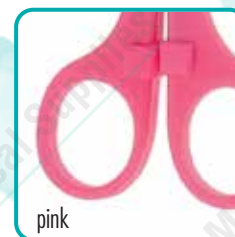
Additional available
Ring colors





190-211-140	blue
190-211-141	pink

Additional available
Ring color



pink

Universal
Plaster and Cloth Scissors, with
protection splint, autoclavable
140mm, 5 1/2"

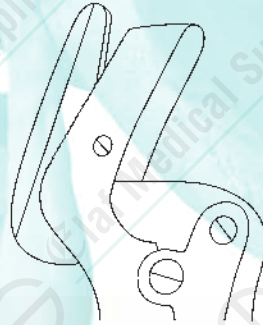


Mini-Stillle
190-250-180
Plaster Cast Scissors
180mm, 7"
190-250-181
Spare Blade

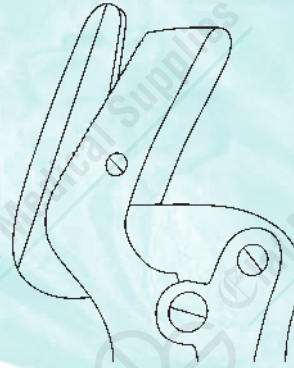


Stillle
190-251-240
Plaster Cast Scissors
240mm, 9½"

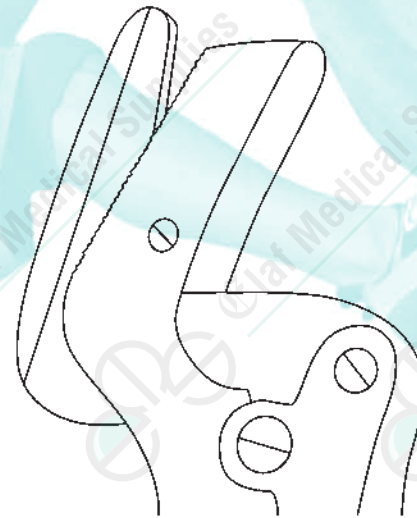
190-251-241
Spare Blade



190-250-230
230mm, 9"



190-250-260
260mm, 10¹/₄"



190-250-370
37cm, 14¹/₂ "



Stille
Plaster Cast Scissors

Spare blade	for
190-250-231	190-250-230
190-250-261	190-250-260
190-250-371	190-250-370



200-115-100
Plaster Saw, 230V

200-115-101
Plaster Saw, 110V



200-115-500
Carry case with foam inlay



Spare blades

	Plaster/Autopsy	Synthetic Cast	PTFE coated (non-stick)
Ø 45mm	200-115-145	200-116-145	200-117-145
Ø 50mm	200-115-150	200-116-150	200-117-150
Ø 65mm	200-115-165	200-116-165	200-117-165

Universal docking
system for all
saw blades



Easy and quick
change of
saw blades



6500 - 24000 oscillations
infinitely variable (Autopsy saw)
10000 - 19000 oscillations
infinitely variable (Plaster saw)



Complete Set includes Autopsy Saw, round saw blade Ø 65mm,
round Saw Blade Ø 50mm, pair of wrenches and hexagonal key.

Vacuum Cleaner for Plaster Saw

- 500 - 1200 Watt power, vacuum motor
- Continuous Power Output max. 1200 Watt, vacuum motor
- Max. Power Output 1450 Watt PT, vacuum motor
- HEPA-Filter 99,97% of all particles from 0,3 mikron on are filtered
- Automatic synchronized turn on/off cleaner and plaster saw
- Turning off plaster saw the cleaner shuts down 6-10sec. later to clean the hole system
- Robust construction for highest loading capacity by continuous operation
- Max. vacuum 2100 mm/H₂O, vacuum motor
- Max. vacuum 1900 mm/H₂O, vacuum machine
- Air flow motor 3200 L/min. in the machine, 2500 L/min. with all filters attached
- Elektronik power control vacuum motor min. 500 W – max. 1200 W
- Max. total power (system) 1600 Watt, controlled
- Very low noise level: 63 – 69 dB(A)
- Antistatic cleanertube
- Control lamp indicates full dust bag



200-118-100
Vacuum Cleaner 230V

200-118-101
Vacuum Cleaner 110V



Walton
190-522-230
Plaster Cast Spreader
Single Hand Model
230mm, 9"



Hennig
190-516-280
Plaster Spreader
280mm, 11"



Beeson
190-518-300
Plaster Spreader
300mm, 12"



Hermann
190-517-480
Plaster Spreader
480mm, 19"



Wolff-Boehler
190-530-180
Plaster Cast Breaker
180mm, 7 1/8"

190-530-240
240mm, 9 1/2"



Esmarch
190-510-180
Plaster Knife
180mm, 7¹/₈"



Hopkins
190-509-200
Plaster Knife
200mm, 8"



Reiner
190-511-180
Plaster Knife
185mm, 7¹/₂"



Engel
190-549-160
Plaster Saw
150mm, 6"



Bergmann
190-550-180
Plaster Cast Saw
180mm, 7"



Wigmore
190-548-190
Plaster Cast Saw
190mm, 7¹/₂"

Lined area for notes, featuring horizontal blue lines and a repeating watermark of the Elaf Medical Supplies logo.





SECTION

M

AMPUTATION



Elaf Medical Supplies



Collin
Amputating Knife

	Blade length
110-014-013	130mm, 5 ¹ / ₈ "
110-014-016	160mm, 6 ¹ / ₄ "
110-014-019	190mm, 7 ¹ / ₂ "
110-014-022	220mm, 8 ³ / ₄ "
110-014-028	280mm, 11"



Catlin
Amputating Knife
double cutting

	Blade length
110-018-016	160mm, 6 ¹ / ₄ "
110-018-019	190mm, 7 ¹ / ₂ "
110-018-022	220mm, 8 ³ / ₄ "



Langenbeck
110-020-012
Flap Knife
120mm, 4³/₄"



110-022-009
Phalangeal Knife
95mm blade length



110-024-011
Interosseous Knife
11mm blade length
110mm, 4¹/₃"



Langenbeck
Resection Knife
55mm blade length
180mm, 7"



110-026-055



110-028-055



Walb
Organ Knife
with wooden handles

	Blade length
110-050-110	110mm, 4 ¹ / ₂ "
110-050-140	140mm, 5 ¹ / ₂ "
110-050-170	170mm, 6 ³ / ₄ "



Helferich-Bier
200-103-390
Amputation Saw
390mm, 15¹/₂"

200-103-394
Spare Blade
4mm

200-103-396
Spare Blade
6mm

200-103-398
Spare Blade
8mm



Charrière
200-112-270 270mm, 10¹/₂"
200-112-300 300mm, 12"
Amputation Saw



Langenbeck
200-110-230
Metacarpal Saw
230mm, 9"



Satterlee
200-114-310
Amputation Saw
310mm, 12¹/₃"



Charrière
200-101-350
Amputation Saw
350mm, 14"

200-101-012
Spare Blade
12mm

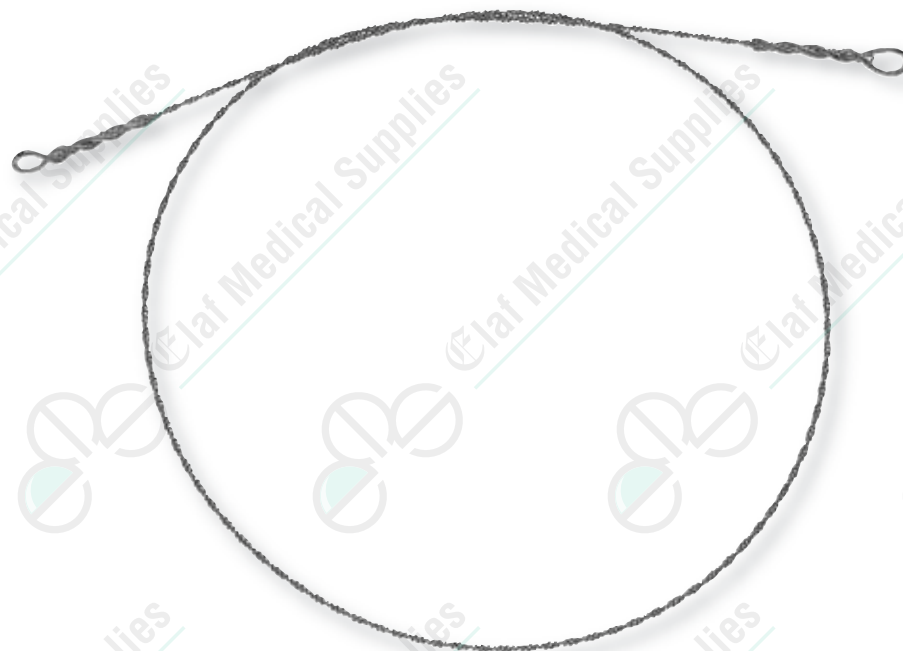
200-101-015
Spare Blade
15mm



Rust
200-118-390
Amputation Saw
390mm, 15¹/₃"

200-118-312
Spare Blade
12mm

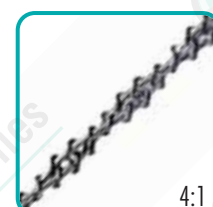
200-118-318
Spare Blade
18mm



Olivecrona

Wire Saw, Ø 1.2mm

290-100-250	250mm, 10"
290-100-300	300mm, 12"
290-100-400	400mm, 16"
290-100-500	500mm, 20"
290-100-600	600mm, 23 ³ / ₄ "
290-100-700	700mm, 28"
290-100-760	760mm, 30"



DeMartel

Saw Conductor

290-118-305	305mm, 12"
290-118-330	330mm, 13"
(not illustrated)	

Bailey

Saw Conductor, 305mm

290-118-300	curved
290-118-301	straight
(not illustrated)	

Gigli

Wire Saw, Ø 1.4mm

290-101-300	300mm, 12"
290-101-400	400mm, 16"
290-101-500	500mm, 20"
290-101-600	600mm, 23 ³ / ₄ "
290-101-700	700mm, 28"



Gigli
290-102-000
Handle for Wire Saw
Set of 2 handles



Gigli
290-103-000
Handle with loop design
for wire saws



Percy
200-100-000
Retractor for amputation
with removable handles



Percy
200-100-001
Retractor for amputation
with stowable handle

Lined area for notes, featuring horizontal blue lines and a repeating watermark logo.





SECTION

N

MEASURING
DEVICES



Elaf Medical Supplies



Ruler, with mm
and inch markings

Measuring range

100-418-150	150mm, 6"
100-418-200	200mm, 7 ³ / ₄ "
100-418-300	300mm, 12"
100-418-500	500mm, 19 ³ / ₄ "



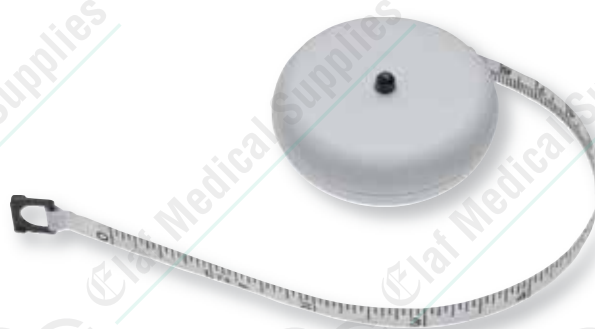
100-419-500

X-ray Ruler, 500mm, 19³/₄"



100-422-150

Ruler with holes for Wires and Pins
measuring range: 150mm, 6"



100-425-150

Tape Measure
cm/inches, oil cloth
150cm, 59"



200-200-014
Depth Gauge
for 30mm screws
110mm, 4¹/₄"



200-200-016
Depth Gauge
for 50mm screws
160mm, 6¹/₄"



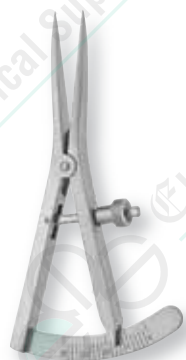
200-200-018
Depth Gauge
for 80mm screws
200mm, 7³/₄"



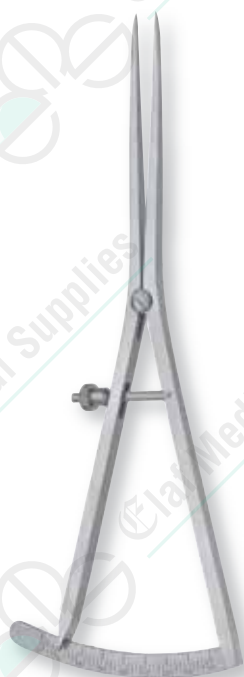
200-200-080
Depth Gauge
for 80mm screws
200mm, 7³/₄"



200-200-120
Depth Gauge
for 120mm screws
280mm, 11"



Castroviejo
400-583-007
Caliper,
measuring range 0 - 20 mm,
with locking screw
90mm



Castroviejo
400-583-008
Caliper,
measuring range 0 - 40 mm,
with locking screw
180mm



Carrol
100-150-000
Finger Goniometer
140mm, 5 1/2"



Moeltgen
100-412-000
Goniometer



Thorpe
400-420-100
Caliper, 0-80mm



Jameson
400-421-000
Caliper, 0-80mm



Townley
100-152-000
Caliper, 0-100 mm
100mm, 4"



100-154-000
Caliper, 0-100 mm
100mm, 4"



Casper
259-185-885
Caliper for measuring bone length
scale in mm, max. 180mm,
inside/outside measuring, faces & depth



211-550-235
Neuro-Caliper
150mm range

Lined area for notes, featuring horizontal blue lines and a repeating watermark logo.





SECTION

0

PODIATRY



Elaf Medical Supplies



510-210-140
Concave jaws



510-212-140
Straight jaws



510-215-140
Nail Nipper, angled concave
jaws, double spring
140mm, 5 1/2"



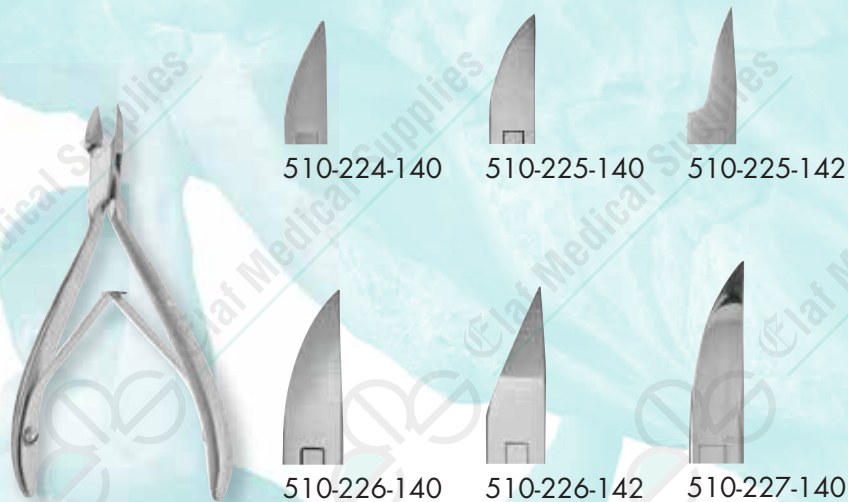
510-337-160
Mycotic Nail Nipper, straight,
heavy duty jaw, double action
160mm, 6 1/4"



510-338-150
Mycotic Nail Nipper concave, heavy duty
jaw with double action Handle
150mm, 6"



510-200-115
Nail Nipper, concave jaws, single spring
115mm, 4 1/2"



Nail Nipper

510-224-140	Straight jaws, double spring	100mm, 4"
510-225-140	Straight Jaws, double spring	110mm, 4 1/2"
510-225-142	Delicate straight jaws, double spring	110mm, 4 1/2"
510-226-140	Straight jaws, double spring	130mm, 5"
510-226-142	Straight jaws, extra narrow, double spring	130mm, 5"
510-227-140	Straight jaws, double spring	150mm, 6"



510-347-130
Nail Nipper
130mm, 5"



510-205-115
Nail Nipper, concave jaws
115mm, 4 1/2"



510-332-150
Nail Nipper concave,
spring Handle, with lock
150mm, 6"



510-250-110
Cuticle and Tissue Nipper,
convex jaws
110mm, 4 1/2"

510-251-130
130mm, 5"



510-245-100
Cuticle and Tissue Nipper,
convex jaws
100mm, 4"



510-220-100
Cuticle and Tissue Nipper,
straight jaws, ring Handles
100mm, 4"



Radolf
510-463-140
Nail Extraction Forceps, narrow jaws
140mm, 5 1/2"



Radolf
510-462-130
Nail Extraction Forceps
135mm, 5 3/8"



510-464-140
Nail Extraction Forceps,
duck jaws
140mm, 5 1/2"



510-334-140
Nail Splitting Forceps
135mm, 5³/₈"



210-976-000
Spare Blade

210-975-170
Finger Ring Saw
with replaceable circular blade



510-425-090
Nail Scissors, curved
90mm, 3¹/₂"



Scalpel Mini Blade,
Package of 25 pcs.,
sterile

- ① 510-110-131
- ② 510-110-132

510-110-130
Blade Handle,
round blade socket
130mm, 5"



510-460-000
Finger Nail Drill complete
with 3 Drill points



510-460-001
Finger Nail Drill only
Fig. 1



510-460-002
Finger Nail Drill only
Fig. 2



510-460-003
Finger Nail Drill only
Fig. 3



503-003-000
Walton Comedone Extractor
160mm, 6¹/₄"



503-005-000
Nail Splitter, straight, large
135mm, 5¹/₄"



503-007-000
Nail Splitter, angled, large
135mm, 5¹/₄"



503-022-015
Curette, double-ended with hole
1.5mm / 2mm, with 100mm Handle
165mm, 6¹/₂"



Locke
503-009-000
Elevator, 5x20mm
110mm, 4¹/₃"



Frost
503-011-000
Elevator
130mm, 5"



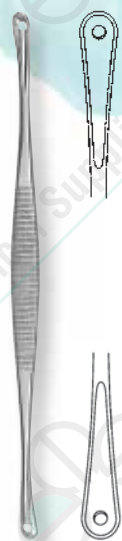
503-013-000
Spatula-Packer, double-ended
135mm, 5¹/₄"



503-015-000
Probe-Excavator, double-ended
150mm, 6"



503-023-000
Curette Excavator, double-ended
with hole 1.5mm / 2.5mm
140mm, 5¹/₂"



Unna
230-230-140
Comedo, oval
140mm, 5³/₄"



Unna
230-232-140
Comedo, round
140mm, 5³/₄"



Saalfeld
230-239-100
Comedo
100mm, 4"



Saalfeld
230-236-140
Comedo
140mm, 5³/₄"



Schamberg
230-238-100
Comedo Extractors
100mm, 4"



Walton
230-240-140
Comedo Extractors
140mm, 5³/₄"



230-151-140
Ø 3mm



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



Fox
Lupus Curette, round
140mm, 5¹/₂"



230-152-140
Ø 4mm



230-155-001
Fig.1



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002
Fig.2



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-154-140
Ø 6mm



230-155-003
Fig.3



230-160-002
Ø 2mm



230-160-003
Ø 3mm



230-160-004
Ø 4mm



230-153-140
Ø 5mm



230-155-002



NOTES

Notes

Lined area for notes, featuring horizontal blue lines and a repeating watermark of the Elaf Medical Supplies logo.



Elaf Medical Supplies



SECTION

P

WIRE
INSTRUMENTATION



Elaf Medical Supplies



180-501-150
TC Wire Twisting Forceps
150mm, 6"



Berry
180-309-180
TC Heavy Sternal
Needle Holder with drill
180mm, 7"



Berry
TC Heavy Sternal Needle Holder



180-307-150
150mm, 6"



180-308-150
150mm, 6"



180-307-180
180mm, 7"



180-308-180
180mm, 7"



180-307-200
200mm, 8"



180-308-200
200mm, 8"



180-569-130
TC Wire Holding Clamp
Straight, round jaws
130mm, 5"



180-811-130
130mm, 5"
180-810-185
185mm, 7 1/4"

Corwin
TC Wire Twister with drill



180-569-180
TC Wire Holding Clamp/Sternum
Needle Holder
180mm, 7"



200-515-140
Wire Holding Forceps
with serrated jaw
140mm, 5 1/2"



180-507-140
Flat Nose Plier, distal jaws,
smooth
140mm, 5½"



180-504-140
Flat Nose Plier, with pin
smooth
140mm, 5½"



180-508-140
Flat Nose Plier, square jaws,
smooth
140mm, 5½"



180-511-140
Flat Nose Plier, serrated jaws
140mm, 5½"



180-515-160
Flat Nose Pliers, delicate long
jaws, 2mm wide tip
160mm, 6"



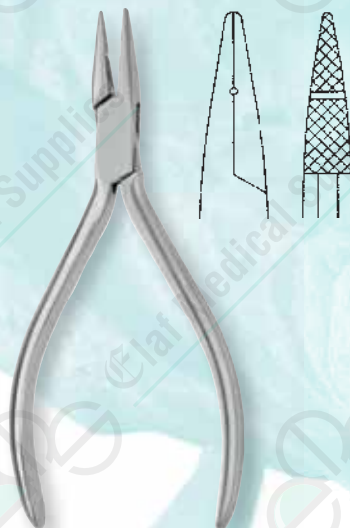
180-500-180
Flat Nose Plier, sharp
195mm, 7¾"



180-513-170
Long Jaw Needle Nose Plier
with parallel serrated jaws
178mm, 7"



180-513-190
Narrow Nose Wire Pulling Forceps
with 3mm jaws
190mm, 7½"



200-518-140
Needle Nose Plier for 1mm
cerclage Wire with groove
140mm, 5½"



200-518-160
Flat Nose Plier with groove
160mm, 6¼"

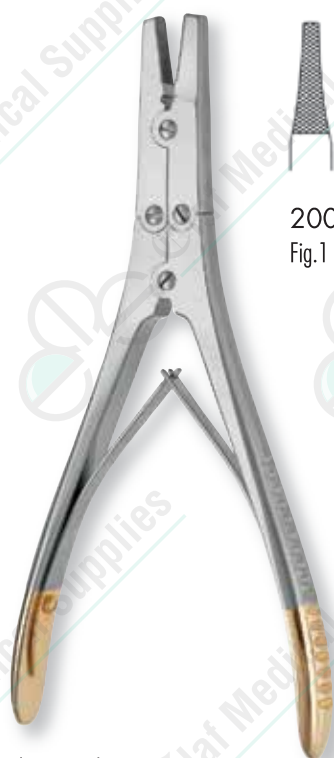


180-500-170



180-501-170

Wire Extraction Forceps
with longitudinal and
transversal grooves
170mm, 6¾"



Flat Nose Plier TC
180mm, 7"



200-511-001
Fig. 1



200-511-002
Fig. 2



200-511-003
Fig. 3



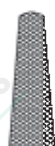
Wire extraction Plier



200-514-145
145mm, 5³/₄"



180-507-180
180mm, 7"



200-514-180
180mm, 7"



200-519-180
Round Pliers
180mm, 7"



Extraction Pliers for Wires



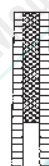
200-507-130
130mm, 5¹/₈"



200-507-180
180mm, 7"



200-514-170
200-515-170 with drill
Wire Extraction Pliers with lateral
support to hold Wire in place
170mm, 6³/₄"



200-503-165
Wire Pulling Forceps
165mm, 6¹/₂"



180-510-140
Flat Nose Pliers with
2mm tapered tip
140mm, 5 1/2"



180-512-140
Pin Pulling Forceps
with 1 TC insert
140mm, 5 1/2"



Langenbeck
180-634-140
Round Pliers
smooth, round jaw
140mm, 5 1/2"



Waldsachs
180-790-150
Universal Pliers
155mm, 6"



180-501-190
Multi purpose Plier, TC
190mm, 7 1/2"



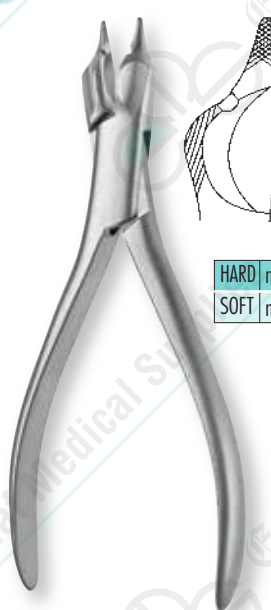
Peeso
180-843-135
Wire Bending Pliers
135mm, 5 1/4"



Jarabac
180-626-140
Wire Bending Pliers
140mm, 5 1/2"

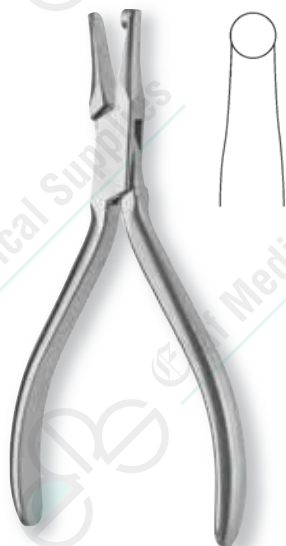


180-512-160
Wire Twister/Tightener
160mm, 6 1/4"



200-514-150
Wire Cutting Forceps
150mm, 6"

HARD	max. Ø 0.7mm
SOFT	max. Ø 1.0mm



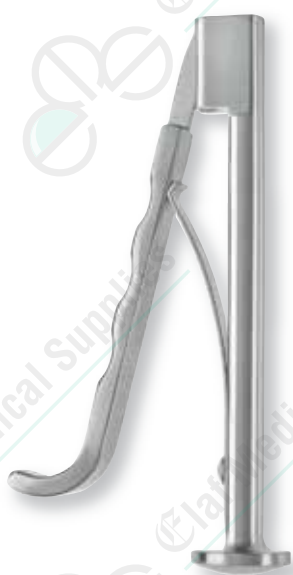
200-513-125
Mini Plate Bending Plier
for 1.5 and 2.0mm plates
125mm, 5"



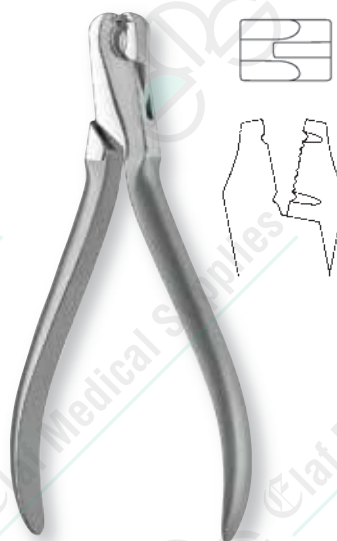
200-204-150
Wire and pin bender
up to 3.2mm
150mm, 6"



200-622-000
K-Wire Applicator
for K-Wire $\varnothing$ 0.8 - 1.6mm



Steinmann
Pin Extractor for nails
up to 3.2mm
200-512-140
140mm, 5^{1/2}"



200-416-140
K-Wire and Plate bending Forceps
for mini plates up to 1.6mm,
90°- bending for K-Wires
140mm, 5^{1/2}"



Extraction Mallet
210-400-350
for small and medium models
400gr. 350mm, 13³/₄"

210-700-350 for large models
700gr. 400mm, 15³/₄"



Needle Nosed Locking Pliers



200-515-220
regular model

200-515-221
model for extraction mallet

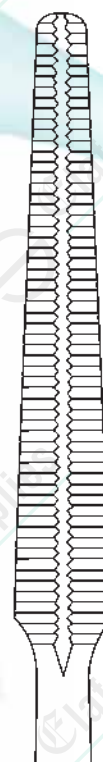
220mm, 8³/₄"
small



200-515-250
regular model

200-515-251
model for extraction mallet

250mm, 10"
medium



200-515-300
regular model

200-515-301
model for extraction mallet

300mm, 11³/₄"
large



200-511-180
regular model

200-511-181
model for extraction mallet

180mm, 7^{1/8}"
7mm
small



200-511-200
regular model

200-511-201
model for extraction mallet

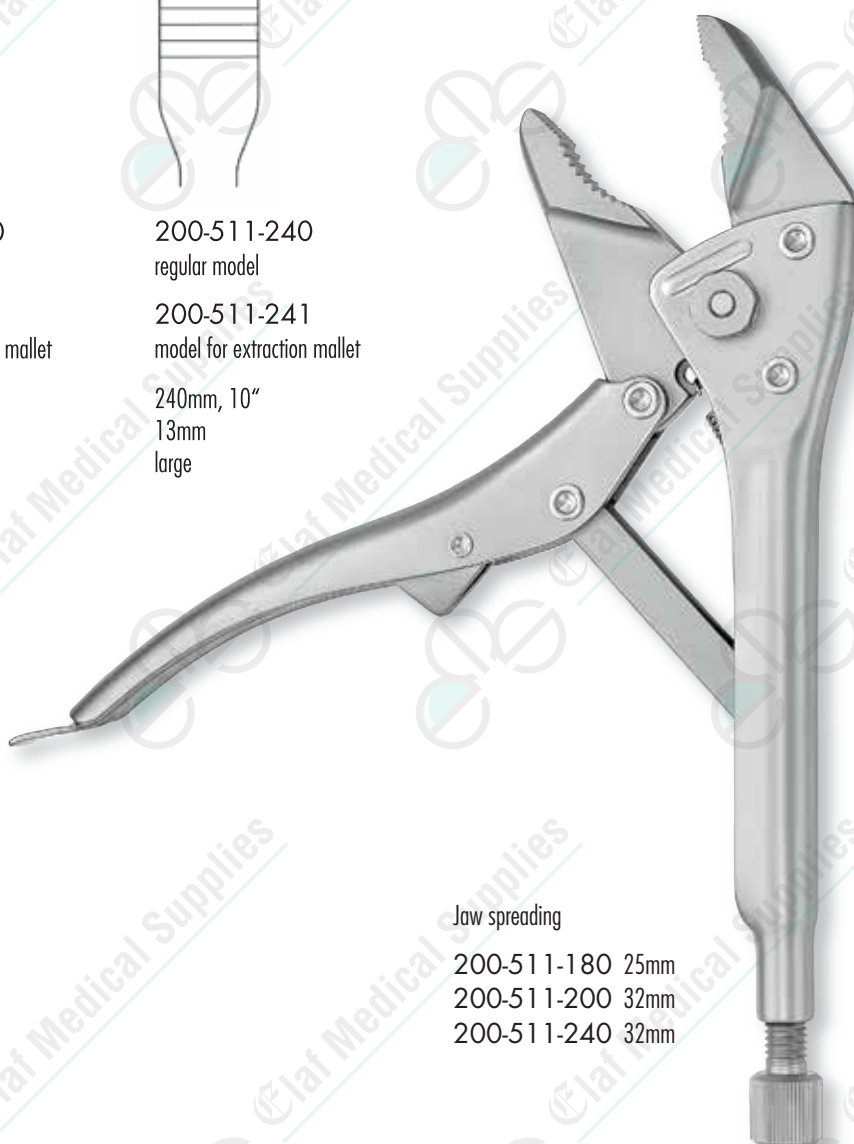
200mm, 8"
9mm
medium



200-511-240
regular model

200-511-241
model for extraction mallet

240mm, 10"
13mm
large



Jaw spreading

200-511-180 25mm
200-511-200 32mm
200-511-240 32mm

Universal
Locking Plier



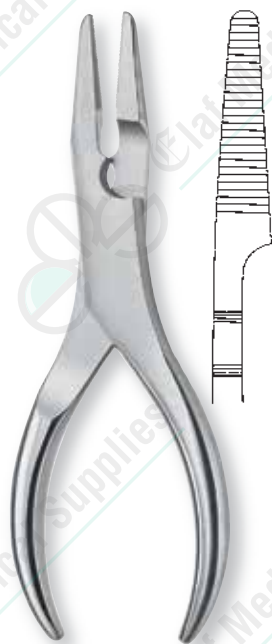
180-502-200
Universal Wire Sizing Forceps,
max. opening: 50mm / 2"
200mm, 8"



200-513-185
Wire Gripper, Parallel Closure
185mm, 7 1/4"



200-512-185
Combined Wire Cutter
and Gripper
180mm, 8"



180-535-160
Flat Nose Pliers with
3.5mm jaw
160mm, 6¹/₂"



Universal
200-513-150
Wire Cutting and
Bending Forceps
150mm, 6"

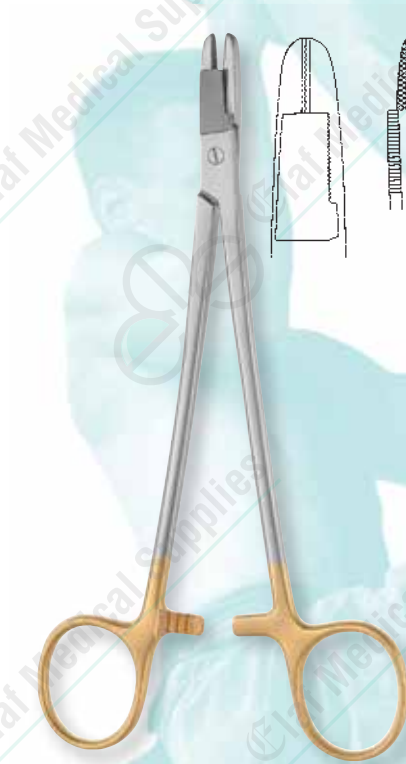


HARD	max. Ø 1.0mm
SOFT	max. Ø 1.5mm

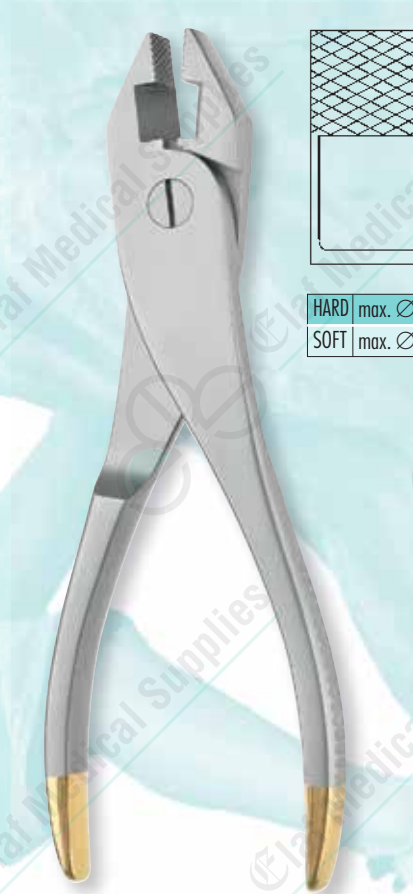


200-550-200
Bending Plier "Alpha-Plate"
8" for plates up to 1.6mm
200mm, 8"

200-550-240
Bending Plier "Alpha-Plate"
9³/₄" for plates up to 3.0mm
240mm, 9¹/₂"



Koppelman
180-572-185
Wire Twister and Scissors
185mm, 7¹/₄"



Lineman
200-516-220
Plier with cutting edge
220mm, 8¹/₂"



Crown & Collar Scissors
100mm, 4 1/8"



120-296-100
Straight, sharp,
serrated



120-300-100
Straight, blunt,
serrated,



120-294-100
Straight, sharp



120-298-100
Straight, blunt



120-297-100
Curved, sharp,
serrated



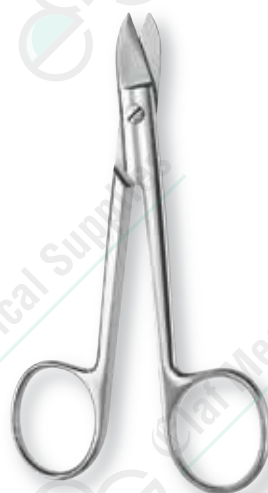
120-301-100
Curved, blunt,
serrated



120-295-100
Curved, sharp



120-299-100
Curved, blunt



Crown & Collar Scissors
120mm, 5"



120-296-120
Straight, sharp,
serrated



120-300-120
Straight, blunt,
serrated



120-294-120
Straight, sharp



120-298-120
Straight, blunt



120-297-120
Curved, sharp,
serrated



120-301-120
Curved, blunt,
serrated



120-295-120
Curved, sharp



120-299-120
Curved, blunt



120-596-120
TC Wire Scissors
120mm, 4^{3/4}"



Harvey
120-262-125
Wire Cutting Scissors, serrated
125mm, 5"

HARD	max. $\varnothing$ 0.3mm
SOFT	max. $\varnothing$ 0.4mm



Smith
TC Wire Cutting Scissors,
serrated
120-570-160 straight
120-571-160 curved
160mm, 6^{1/4}"



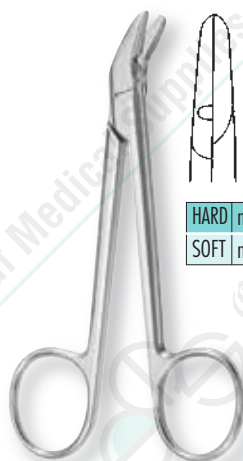
Schuknecht
120-120-100
Wire Scissors, straight,
short blade
100mm, 4^{1/8}"



200-500-110
TC Wire Cutter, for wires up to 0.7mm
110mm, 4^{1/3}"



Universal
TC Wire & Plate Shear
120-565-170
170mm, 6³/₄"



120-265-120
Universal Wire and Bandage Scissors,
serrated
120mm, 5"



HARD	max. Ø 0.8mm
SOFT	max. Ø 1.2mm



120-565-120
TC Universal Wire & plate Scissors
120mm, 5"



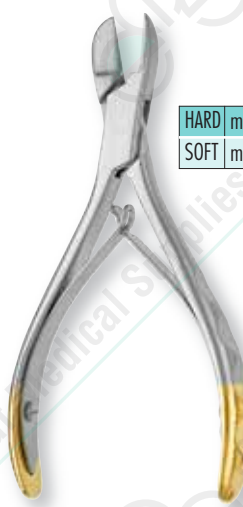
HARD	max. Ø 0.8mm
SOFT	max. Ø 1.2mm



180-513-530
TC Wire Cutter
150mm, 6"



HARD	max. Ø 1.0mm
SOFT	max. Ø 1.5mm



200-500-120
TC Wire Cutter
120mm, 5"



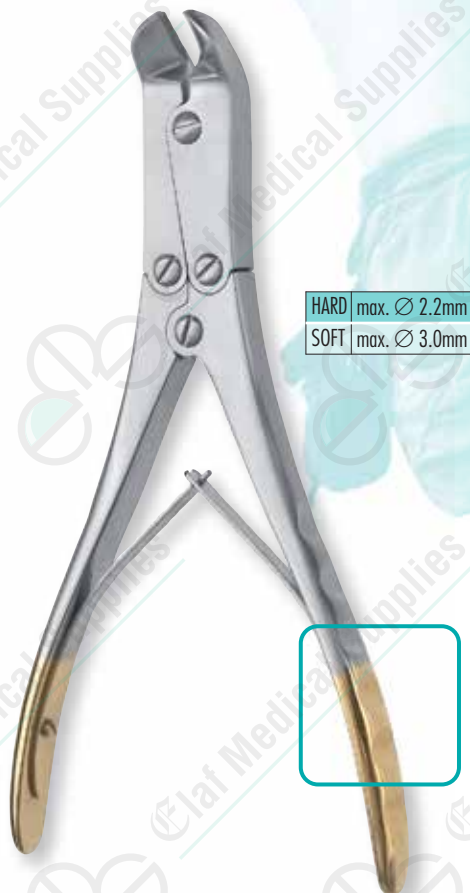
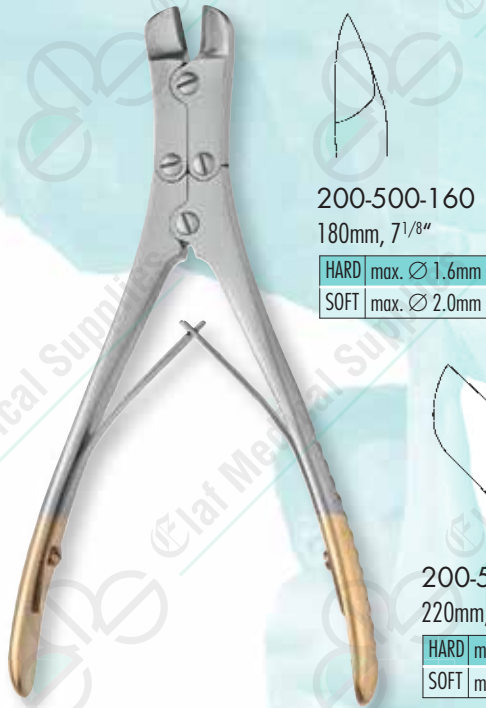
HARD	max. Ø 0.6mm
SOFT	max. Ø 1.0mm



Angle
180-513-130
Wire Cutter
130mm, 5¹/₈"

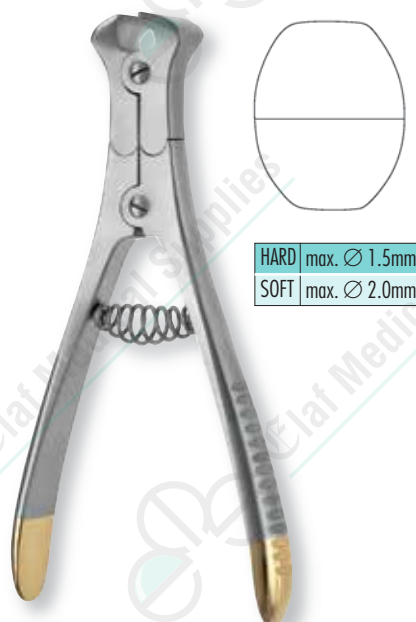


HARD	max. Ø 0.3mm
SOFT	max. Ø 0.5mm

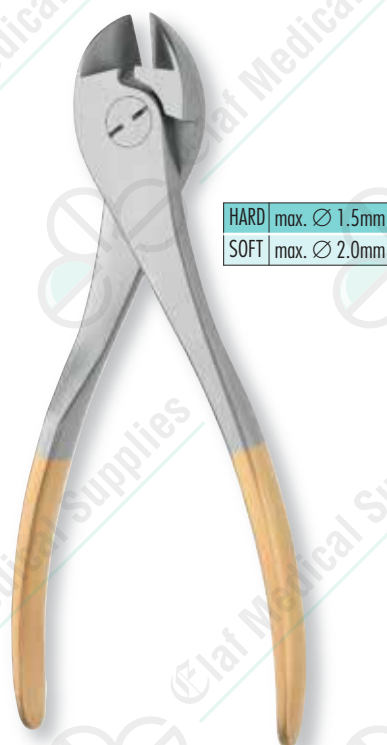




200-506-220
TC Front Wire Cutter
220mm, 8³/₄"



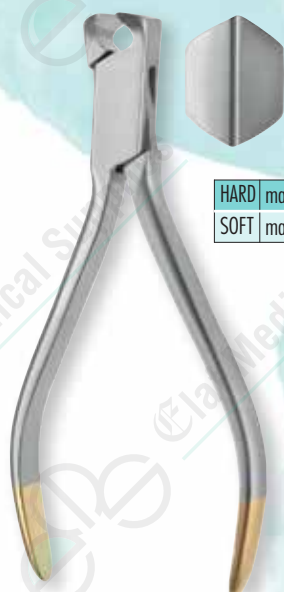
200-510-150
TC Front and Lateral Wire Cutter
150mm, 5³/₄"



200-502-180
TC Wire Cutter
180mm, 7"



200-504-180
Wire Cutter
180mm, 7"



HARD	max. Ø 0.7mm
SOFT	max. Ø 1.0mm

200-510-145
TC Wire Cutter
145mm, 5³/₄"



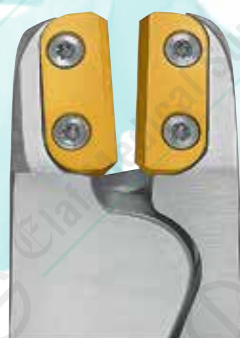
HARD	max. Ø 1.6mm
SOFT	max. Ø 2.0mm

200-510-160
Diamant Head-Wire
Cutter, front action
160mm, 6¹/₄"



HARD	max. Ø 1.6mm
SOFT	max. Ø 2.4mm

200-502-185
Head Cutter, cannulated
185mm, 7¹/₄"



HARD	max. Ø 2.2mm
SOFT	max. Ø 2.8mm

200-502-200
TC "Easy Cut" Wire Cutter
200mm, 8"



Wires up to $\varnothing$ 3.0mm



Exchangeable TC blades
and rubber jaws

200-500-230
TC Wire Cutter
exchangeable TC blades
and rubber jaws
230mm, 9"



Wires up to $\varnothing$ 4.0mm

200-502-280
TC Wire Cutter
exchangeable TC blades
and rubber jaws
280mm, 11"



200-502-998
Rubber jaws spare set



200-502-997
TC Blades spare set

Wires up to $\varnothing$ 2.2mm



200-505-180
TC Wire Cutter
for right hander
exchangeable TC blades
and rubber jaws
180mm, 7"

Wires up to $\varnothing$ 1.6mm

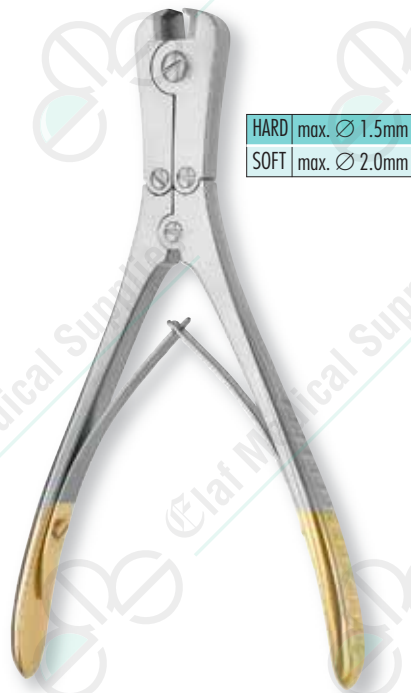


200-509-180
TC Front and Side Cutter
exchangeable TC blades
with integrated rubber jaws
180mm, 7"

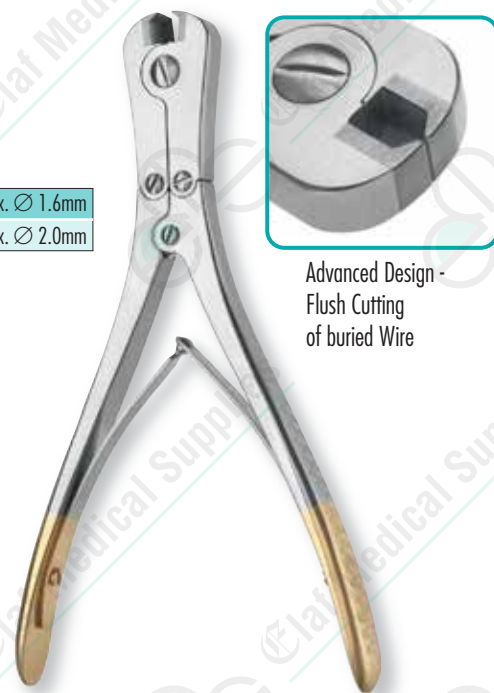
Wires up to $\varnothing$ 2.2mm



200-505-181
TC Front and Side Cutter
for left hander
exchangeable TC blades
and rubber jaws
180mm, 7"



200-506-180
TC Front and Lateral Cutting Plier
180mm, 7 "



200-508-180
TC Flush Wire Cutter
180mm, 7 "



200-522-240
TC Wire Cutter, double action
240mm, 9 1/2"



200-500-600
Pin Cutter Titanium,
titanium handles,
hardened Cutting edges
540mm, 21 1/4"



UP TO $\varnothing$ 6.3mm

200-500-585
Pin Cutter for 6.35 mm Steinmann Pins
with detachable handles
575mm, 22^{1/2}"



200-500-470
TC Pin Cutter for K-Wires up to 5mm
470mm, 18^{1/2}"



UP TO max. Ø 6.0mm

200-500-380
TC Front Cutter
380mm, 15"



UP TO max. Ø 7.5mm

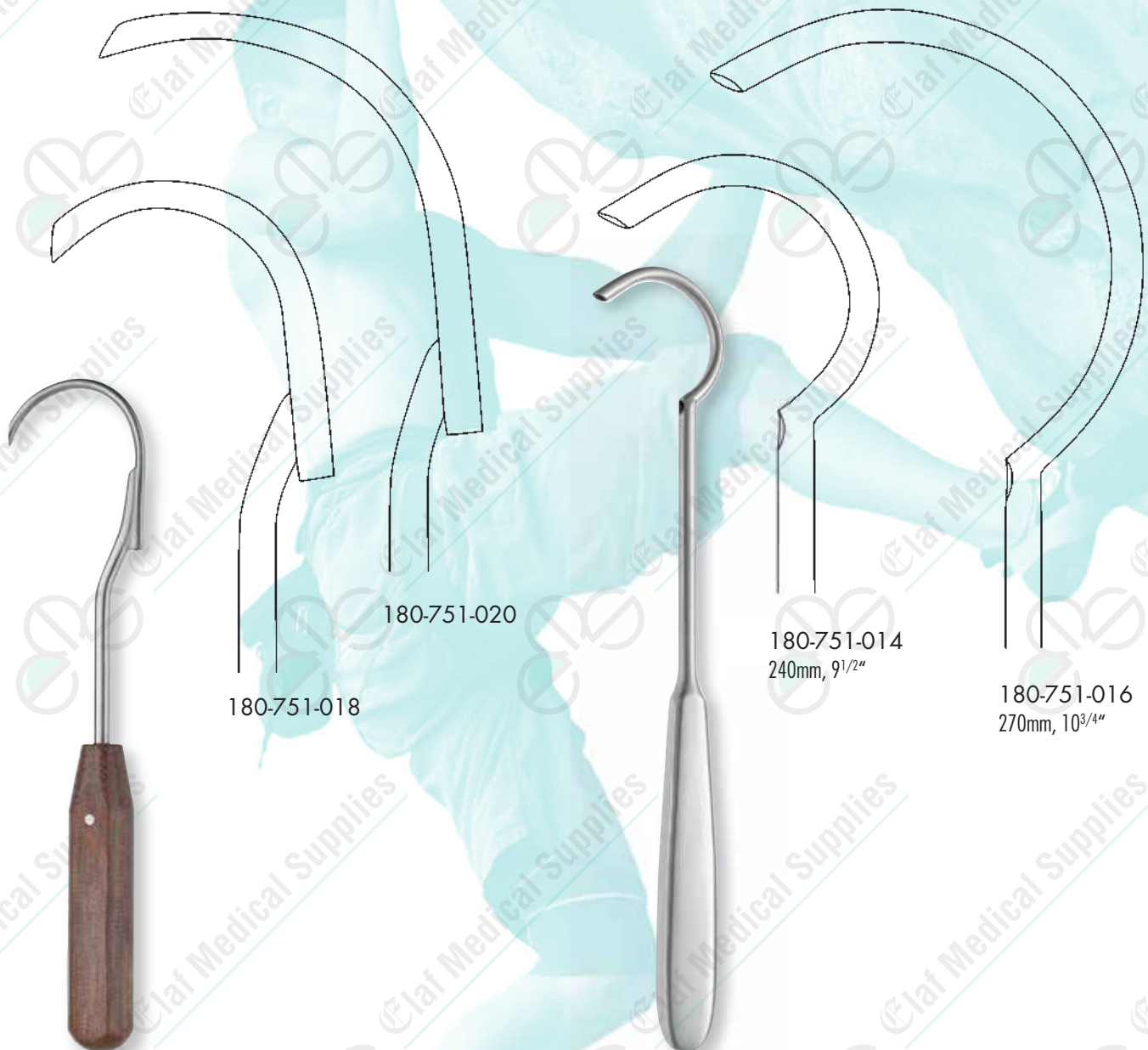
200-500-540
TC Pin Cutter
540mm, 21¹/₃"



Harms
200-455-180
TC Vertebral Cutting Forceps
180mm, 7"

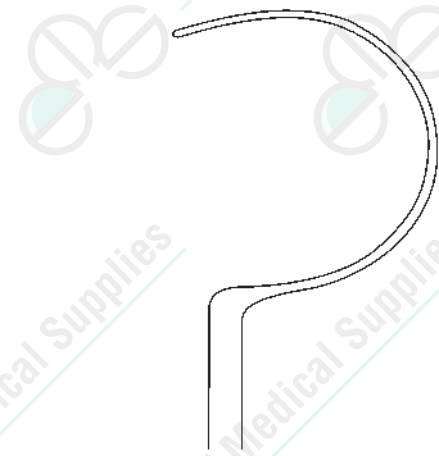


200-509-320
Wire Cutter K-Wires up to 3mm
320mm, 12^{3/4}"

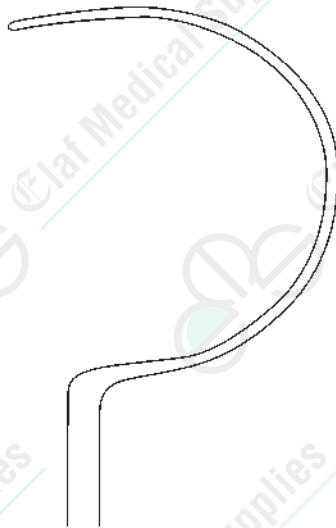


Wire Guide Instrument,
with ferrozell handle
210mm, 8¹/₄"

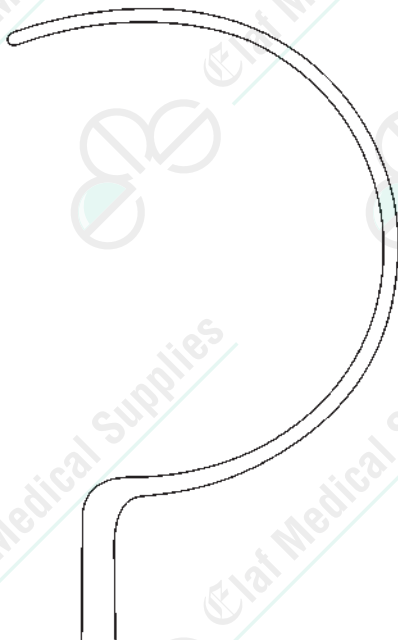
Bone Wire Guide,
hollow and sharp



180-751-001
#1
280mm, 11"



180-751-002
#2
280mm, 11"



180-751-003
#3
305mm, 12"



Demel
Bone Wire Guide



Kronecker
180-751-150
Ligature Needle
left angled
150mm, 6"



Kronecker
180-752-150
Ligature Needle
right angled
150mm, 6"



K-Wire with double trocar points

Diameter (mm)	100mm	125mm	150mm	230mm	305mm
0.8	200-629-008	200-641-008	200-627-008	200-642-008	200-619-008
0.9	200-629-009	200-641-009	200-627-009	200-642-009	200-619-009
1.0	200-629-010	200-641-010	200-627-010	200-642-010	200-619-010
1.1	200-629-011	200-641-011	200-627-011	200-642-011	200-619-011
1.2	200-629-012	200-641-012	200-627-012	200-642-012	200-619-012
1.4	200-629-014	200-641-014	200-627-014	200-642-014	200-619-014
1.5	200-629-015	200-641-015	200-627-015	200-642-015	200-619-015
1.6	200-629-016	200-641-016	200-627-016	200-642-016	200-619-016
1.7	200-629-017	200-641-017	200-627-017	200-642-017	200-619-017
1.8	200-629-018	200-641-018	200-627-018	200-642-018	200-619-018
2.0	200-629-020	200-641-020	200-627-020	200-642-020	200-619-020
2.2	200-629-022	200-641-022	200-627-022	200-642-022	200-619-022
2.5	200-629-025	200-641-025	200-627-025	200-642-025	200-619-025
2.8	200-629-028	200-641-028	200-627-028	200-642-028	200-619-028
3.0	200-629-030	200-641-030	200-627-030	200-642-030	200-619-030

Set with 10pcs.



Trocar + round shaft



Trocar + flat shaft

Diameter (mm)	150mm Trocar + round shaft	305mm Trocar + round shaft	150mm Trocar + flat shaft	305mm Trocar + flat shaft
0.8	200-623-008	200-638-008	200-631-008	200-632-008
0.9	200-623-009	200-638-009	200-631-009	200-632-009
1.0	200-623-010	200-638-010	200-631-010	200-632-010
1.1	200-623-011	200-638-011	200-631-011	200-632-011
1.2	200-623-012	200-638-012	200-631-012	200-632-012
1.4	200-623-014	200-638-014	200-631-014	200-632-014
1.5	200-623-015	200-638-015	200-631-015	200-632-015
1.6	200-623-016	200-638-016	200-631-016	200-632-016
1.7	200-623-017	200-638-017	200-631-017	200-632-017
1.8	200-623-018	200-638-018	200-631-018	200-632-018
2.0	200-623-020	200-638-020	200-631-020	200-632-020
2.2	200-623-022	200-638-022	200-631-022	200-632-022
2.5	200-623-025	200-638-025	200-631-025	200-632-025
2.8	200-623-028	200-638-028	200-631-028	200-632-028
3.0	200-623-030	200-638-030	200-631-030	200-632-030

Set with 10pcs.

WIRD NICHT
MEHR VERKAUFT



Kirschner Wires with thread and round shaft

15mm thread

25mm thread

Diameter (mm)	15mm thread		25mm thread	
	150mm	305mm	150mm	305mm
1.0	200-656-010	200-657-010	200-658-010	200-659-010
1.1	200-656-011	200-657-011	200-658-011	200-659-011
1.2	200-656-012	200-657-012	200-658-012	200-659-012
1.4	200-656-014	200-657-014	200-658-014	200-659-014
1.5	200-656-015	200-657-015	200-658-015	200-659-015
1.6	200-656-016	200-657-016	200-658-016	200-659-016
1.7	200-656-017	200-657-017	200-658-017	200-659-017
1.8	200-656-018	200-657-018	200-658-018	200-659-018
2.0	200-656-020	200-657-020	200-658-020	200-659-020
2.2	200-656-022	200-657-022	200-658-022	200-659-022
2.5	200-656-025	200-657-025	200-658-025	200-659-025
2.8	200-656-028	200-657-028	200-658-028	200-659-028
3.0	200-656-030	200-657-030	200-658-030	200-659-030

Kirschner Wire with complete thread



Double lancet point



Double trocar point

Diameter (mm)	double lancet point		double trocar point	
	150mm	230mm	150mm	230mm
1.2	200-653-012	200-654-012	200-652-012	200-651-012
1.4	200-653-014	200-654-014	200-652-014	200-651-014
1.6	200-653-016	200-654-016	200-652-016	200-651-016
1.8	200-653-018	200-654-018	200-652-018	200-651-018
2.0	200-653-020	200-654-020	200-652-020	200-651-020
2.2	200-653-022	200-654-022	200-652-022	200-651-022
2.4	200-653-024	200-654-024	200-652-024	200-651-024
2.6	200-653-026	200-654-026	200-652-026	200-651-026
2.8	200-653-028	200-654-028	200-652-028	200-651-028
3.0	200-653-030	200-654-030	200-652-030	200-651-030
3.2	200-653-032	200-654-032	200-652-032	200-651-032
3.4	200-653-034	200-654-034	200-652-034	200-651-034
3.6	200-653-036	200-654-036	200-652-036	200-651-036
3.8	200-653-038	200-654-038	200-652-038	200-651-038
4.0	200-653-040	200-654-040	200-652-040	200-651-040

WIRD NICHT
MEHR VERKAUFT

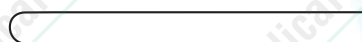


Kirschner Wire with double lancet point

Diameter (mm)	150mm	230mm	305mm
0.8	200-646-008	200-648-008	200-645-008
0.9	200-646-009	200-648-009	200-645-009
1.0	200-646-010	200-648-010	200-645-010
1.1	200-646-011	200-648-011	200-645-011
1.2	200-646-012	200-648-012	200-645-012
1.4	200-646-014	200-648-014	200-645-014
1.5	200-646-015	200-648-015	200-645-015
1.6	200-646-016	200-648-016	200-645-016
1.7	200-646-017	200-648-017	200-645-017
1.8	200-646-018	200-648-018	200-645-018
2.0	200-646-020	200-648-020	200-645-020
2.2	200-646-022	200-648-022	200-645-022
2.5	200-646-025	200-648-025	200-645-025
2.8	200-646-028	200-648-028	200-645-028
3.0	200-646-030	200-648-030	200-645-030

Set with 10pcs.

Steinmann Pins with trocar point



Trocar + round shaft



Trocar + triangular shaft

Length (mm)	4.0mm with triangular end	5.0mm with triangular end	4.0mm with round end	5.0mm with round end
80	200-613-080	200-611-080	200-610-080	200-616-080
100	200-613-100	200-611-100	200-610-100	200-616-100
120	200-613-120	200-611-120	200-610-120	200-616-120
140	200-613-140	200-611-140	200-610-140	200-616-140
150	200-613-150	200-611-150	200-610-150	200-616-150
160	200-613-160	200-611-160	200-610-160	200-616-160
180	200-613-180	200-611-180	200-610-180	200-616-180
200	200-613-200	200-611-200	200-610-200	200-616-200
210	200-613-210	200-611-210	200-610-210	200-616-210
250	200-613-250	200-611-250	200-610-250	200-616-250
300	200-613-300	200-611-300	200-610-300	200-616-300

WIRD NICHT
MEHR VERKAUFT



Vickers K-Wire Dispenser for 4 different diameters in 1 single dispenser

Clearly size markings on the dispenser

For storage and sterilization of K-Wires

Safe handling of K-Wires without risk of injury

Teflon caps protect the sharp points of the wires.



Wire Diameter	max. Wire length	
1.0/1.2/1.4/1.6mm	100mm	200-660-120
1.0/1.2/1.4/1.6mm	160mm	200-660-185
1.0/1.2/1.4/1.6mm	310mm	200-660-340
1.8/2.0/2.2/2.5mm	160mm	200-661-185
1.8/2.0/2.2/2.5mm	310mm	200-661-340



Standard K-Wire Dispenser for 1 size and 1 diameter of K-Wire

Clearly size markings on the dispenser

For storage and sterilization of K-Wires

Safe handling of K-Wires without risk of injury

Teflon caps protect the sharp points of the wires.



Diameter (mm)	160mm	310mm
0.8	200-639-080	200-640-080
1.0	200-639-100	200-640-100
1.2	200-639-120	200-640-120
1.4	200-639-140	200-640-140
1.5	200-639-150	200-640-150
1.6	200-639-160	200-640-160
1.8	200-639-180	200-640-180
2.0	200-639-200	200-640-200
2.2	200-639-220	200-640-220
2.5	200-639-250	200-640-250

WIRD NICHT
MEHR VERKAUFT



Soft Cerclage Wire, 10m coil

Diameter (mm)

0.2	200-621-002
0.3	200-621-003
0.4	200-621-004
0.5	200-621-005
0.6	200-621-006
0.7	200-621-007
0.8	200-621-008
0.9	200-621-009
1.0	200-621-010
1.2	200-621-012
1.5	200-621-015
1.8	200-621-018



Storage Rack for K-Wires

- Safe storage of 8 different K-Wire sizes: 1.0/1.2/1.4/1.6/1.8/2.0/2.5/3.0mm diameter
- Easy identification of the diameter
- Fully autoclavable

	length
200-660-100	100mm
200-660-125	125mm
200-660-150	150mm
200-660-230	230mm
200-660-305	305mm

WIRD NICHT
MEHR VERKAUFT





Weinraub
250-974-180
Lamina Spreader,
with drill guide and ratchet
180mm, 7"



200-518-150
Bone Holding Forceps
with guide for K-Wire 1.8mm
150mm, 6"



Bone Holding Forceps
with guide for K-Wire
145mm, 5³/₄"

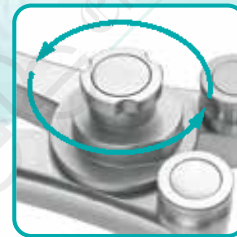
- 200-511-145
Ø 1.1mm
- 200-513-145
Ø 1.3mm
- 200-516-145
Ø 1.6mm



200-532-200
Bar Bending Plier,
for bar/Wire $\varnothing$ 3-4 mm
160mm, 6 $\frac{1}{4}$ "



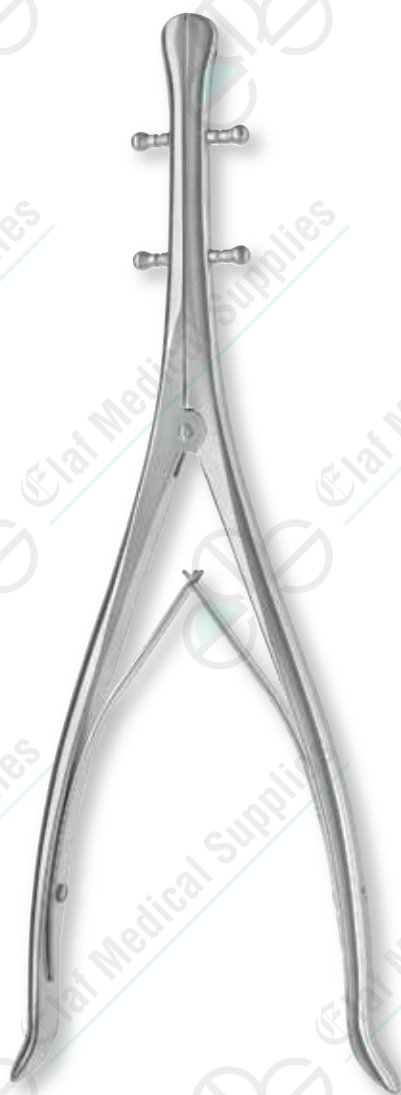
Lepine
200-675-285
Rod Bender, adjustable,
for rods up to 7mm diameter
285mm, 11"



Multiple Diameter
adjustable



200-580-250
Wire Tightener, with
double wing nut
250mm, 10"



Demel
200-755-270
Wire Tightening- and
Twisting Forceps
270mm, 10^{2/3}"



Louie
200-513-210
Bone Wire Tightner
210mm, 8^{1/4}"



200-610-260
Wire Tightening Forceps
with interchangeable head
260mm - 10¹/₄"



201-426-000
Screw Removal Forceps
200mm, 8"



Boehler
Extension Bow
for 3.5 - 5.0mm Steinmann Pins

200-552-160
for arm
with Steinmann pin
90mm x 160mm, 3¹/₂" - 6¹/₄"

200-552-210
for knee and femur
with Steinmann pin
110mm x 210mm, 4³/₈" - 8¹/₄"

200-552-250
for thigh
with Steinmann pin
150mm x 210mm, 6" - 8¹/₄"

200-550-160
without Steinmann pin

200-550-210
without Steinmann pin

200-550-250
without Steinmann pin



Kirschner Extension Bows

200-555-180
180mm, 7"
max. opening: medium

200-555-220
260mm, 10¹/₂"
max. opening: large

200-555-300
260mm, 10¹/₂"
max. opening: Extra large



Kirschner
Extension Box
Complete with 3 traction hooks

200-601-140

small pattern

A 40mm - 140mm, 1^{3/4}" - 5^{1/8}"

B 100mm, 4"

200-601-220

large pattern

A 70mm - 190mm, 2^{3/4}" - 7^{1/2}"

B 160mm, 6^{1/4}"

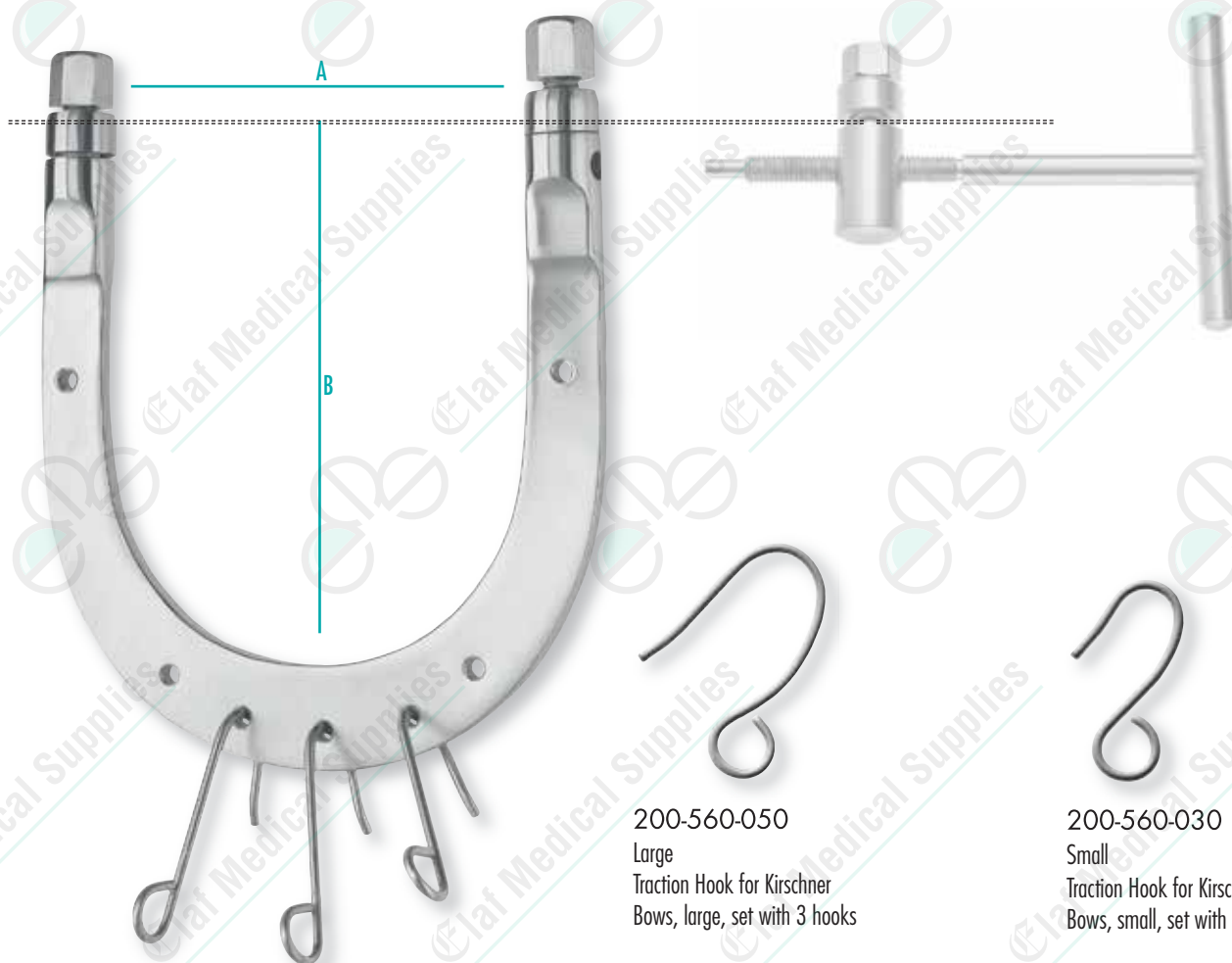


Wire Finger Grip

215-000-001 small

215-000-002 medium

215-000-003 large



Kirschner
Extension Bows for Knee
Complete with 3 traction hooks

200-560-050
Large
Traction Hook for Kirschner
Bows, large, set with 3 hooks

200-560-030
Small
Traction Hook for Kirschner
Bows, small, set with 3 hooks

200-560-200
for hip
A 200mm, 8"
B 155mm, 6¹/₈"

200-560-155
for femur
A 155mm, 6¹/₈"
B 155mm, 6¹/₈"

200-560-135
for knee
A 135mm, 5³/₈"
B 130mm, 5¹/₈"

200-560-120
for knee
A 120mm, 4³/₄"
B 120mm, 4³/₄"

200-560-105
for knee
A 105mm, 4¹/₄"
B 100mm, 4"

200-560-095
for heel
A 95mm, 3³/₄"
B 110mm, 4³/₈"

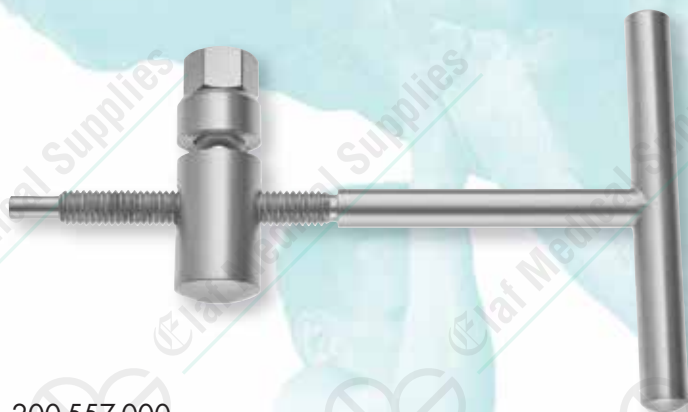
200-560-070
for arm
A 95mm, 3³/₄"
B 70mm, 2³/₄"

200-560-060
for elbow
A 60mm, 2³/₈"
B 50mm, 2"



WIRE EXTENSION

Wire Extension



200-557-000

Wire Strainer for Kirschner Extension Bow



200-558-000

Screw Nut Wrench



Elaf Medical Supplies

Lined area for notes, featuring horizontal blue lines and a repeating watermark logo.



SECTION

Q

DRILLS
SAWS AND
AWLS



Elaf Medical Supplies



140-124-200
Awl with T-Handle
150mm, 6"



140-120-200
Reamer, Ø 3.5 - 2.5mm
160mm, 6⁴/₃"



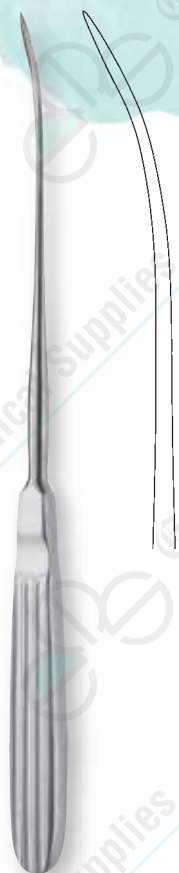
Perthes
210-122-200
Reamer, square
220mm, 8⁴/₃"



Perthes
210-160-200
Bone Drill
210mm, 8⁴/₃"



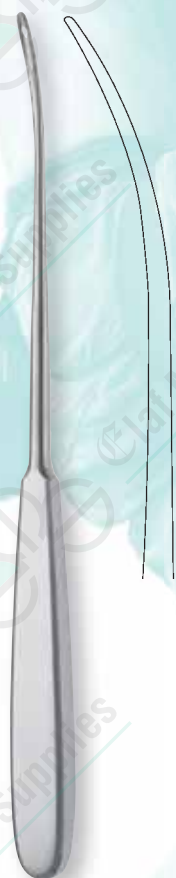
Championniere
170-160-200
Bone Drill
170mm, 6⁴/₃"



Obwegeser
230-500-430
Awl
230mm, 9"



Obwegeser
180-504-430
Awl
180mm, 7"



Brunner
230-124-200
Awl, malleable
230mm, 9"



Brunner
300-122-200
Awl, curved
300mm, 12"



Stille
200-144-200
complete with 4
drills and burs
Ø 4.0 - 2.5mm

000-144-200
Brace only



Stille-Sherman
240-140-200
complete with 3 drills
Ø 3.5 - 2.5mm

200-140-200
Brace only



Twist drills	Ø	length
010-145-200	1.0mm	56mm
015-145-200	1.5mm	61mm
020-145-200	2.0mm	66mm
025-145-200	2.5mm	81mm
030-145-200	3.0mm	81mm
035-145-200	3.5mm	86mm
040-145-200	4.0mm	86mm



Burs	Ø	length
250-145-200	5.0mm	60mm
280-145-200	8.0mm	60mm
220-145-200	12.0mm	60mm
260-145-200	16.0mm	60mm

Trephine	Ø	length
200-145-200	10.0mm	60mm



	Ø	length
002-156-200	3.2mm	70mm
003-156-200	3.2mm	90mm

Moore
280-156-200
complete with
2 twist drills 002-156-200
1 twist drill 003-156-200

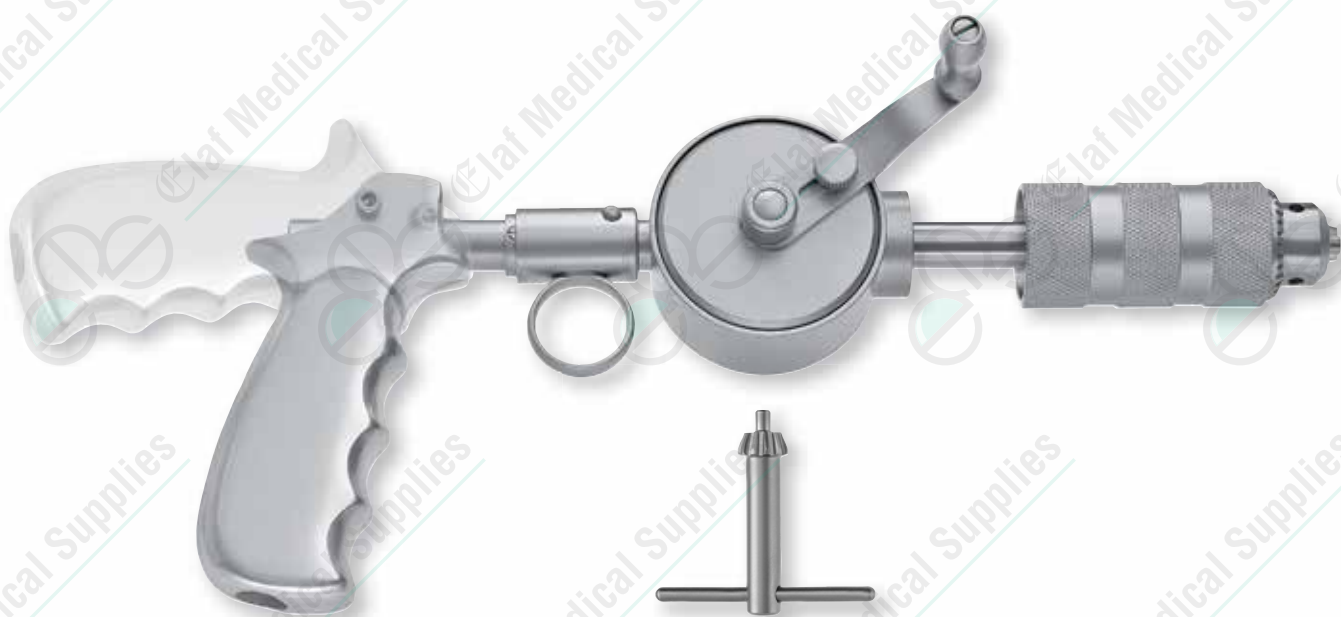
200-156-200
Brace only



Bunnell
160-154-200
max. shanks Ø : 4.0 mm
160mm, 6¹/₄"



Bunnell
162-154-200
Key only



Bunnell
000-158-200
Hand drill with adjustable handle
with Jacobs chuck

Bunnell
001-158-200
Tightening wrench only



Ralk
005-153-200
Hand Drill, large with Jacobs-chuck and key
Ø 4-0mm



Ralk
000-153-200
Hand Drill with Jacobs-chuck and key
Ø 4-0mm



Smedberg
100-149-200
Hand drill complete with Three-jaw chuck

101-149-200
Tightening wrench only



000-157-200
T-Handle Drill,
Stell chuck incl. key



200-157-001
T-Handle Drill,
Stell chuck incl. key



100-157-200
T-Handle with universal chuck
6 - 1 mm, cannulated
Ø 5.2mm
140mm, 5^{2/11}"



200-157-200
T-Handle with Roehm-chuck
7 - 0.5mm, cannulated
Ø 5.2mm, incl. key,
130mm, 5"



200-157-210
T-Handle with Jacobs-chuck
4 - 0.5mm, cannulated
Ø 5.2mm, incl. key,
120mm, 4^{4/31}"



250-157-200
T-Handle with universal chuck
6 - 1mm, cannulated, Ø 6.1mm,
with reverse lock, incl. key
130mm, 5"

BATTERY DRIVEN DRILL SYSTEM

The new Battery Driven Drill System is the ideal Power Tool for Orthopaedic and Traumatology Operating Rooms, as well as for Emergency Rooms.

- Solid aluminium housing
- Powerful re-chargeable battery pack with a long working time
- Fully steam and gas sterilizable
- Stepless Speed regulation
- Universal Adaptor pieces for all kinds of Burrs
- Cannulated for use with Kirschner-Wires up to 3.2mm



Cleaning channel

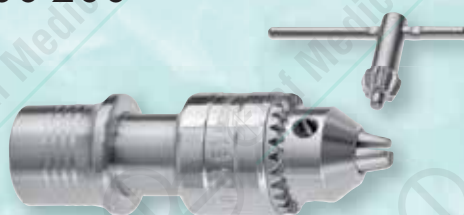
000-700-200
Battery driven drill system

TECHNICAL DETAILS

Operating Voltage	9.6 Volt
Speed range	800-0rpm
Power	130 Watt
Torque	4.5 NM
Weight	1050 Gramm
Cannulation	3.2mm

ACCESSORIES FOR 000-700-200

Large variety of adaptor pieces for different medical burrs



JACOBS

100-700-200
-3jaw chuck
up to 7mm



AO AESCULAP

200-700-200



DIN

300-700-200
For Aesculap
medulary Reamer



HARRIS

400-700-200



HUDSON

500-700-200



QUICK LOCK

600-700-200
For K-Wire
up to 2.5mm



001-702-200
Charging unit for 2 rechargeable batteries



100-701-200
Spare battery 9.6V



002-702-200
Charging unit for 1 rechargeable battery



Hudson

Burrs, 60mm length



001-152-200

Ø 9mm



002-152-200

Ø 14mm



003-152-200

Ø 16mm



004-152-200

Ø 22mm



009-152-200

Extension piece

Hudson Tightening screw



000-150-200

Hand Drill only, with tightening screw

000-152-200

Hand Drill, complete with 4 burrs
and extension
270mm, 10²/₁"

Hudson Snap Lock



000-151-200

Hand Drill only, with snap lock

010-152-200

Hand Drill, complete with 4 burrs
and extension
270mm, 10²/₁"

**Cushing**

Flat Drill with Hudson-Connection

	Ø	length
005-152-200	14mm	95mm

**Cushing**

Round Drill with Hudson-Connection

	Ø	length
020-152-200	10mm	95mm
021-152-200	15mm	95mm
022-152-200	20mm	100mm

**Adson**

Twist Drill with Hudson-Connection

	Ø	length
006-152-200	2mm	90mm

**McKenzie**

Twist Drill with Hudson-Connection

	Ø	length
007-152-200	13mm	95mm

**D'Errico**

Twist Drill with Hudson-Connection

	Ø	length
008-152-200	16mm	95mm

**Adson**

Burr with Hudson-Connection

	Ø	length
012-152-200	15mm	95mm



Twist Drill with AO-Connection

	Ø	length
011-200-701	1.1mm	60mm
015-200-701	1.5mm	85mm
020-200-701	2.0mm	100mm
025-200-701	2.5mm	110mm
027-200-701	2.7mm	100mm
032-200-701	3.2mm	145mm
035-200-701	3.5mm	110mm
045-200-701	4.5mm	145mm
050-200-701	5.0mm	145mm
060-200-701	6.0mm	180mm
070-200-701	7.0mm	180mm
080-200-701	8.0mm	180mm

	Ø	length
026-200-701	2.5mm	195mm
033-200-701	3.2mm	195mm
036-200-701	3.5mm	195mm
046-200-701	4.5mm	195mm



Twist Drill with Borchardt-Connection

	Ø	length
010-192-701	1.0mm	90mm
012-192-701	1.2mm	90mm
015-192-701	1.5mm	105mm
018-192-701	1.8mm	105mm
020-192-701	2.0mm	115mm
022-192-701	2.2mm	115mm
025-192-701	2.5mm	115mm
027-192-701	2.7mm	115mm
028-192-701	2.8mm	115mm
030-192-701	3.0mm	115mm
032-192-701	3.2mm	115mm
035-192-701	3.5mm	125mm
040-192-701	4.0mm	130mm
045-192-701	4.5mm	130mm
050-192-701	5.0mm	130mm

	Ø	length
020-190-701	2.0mm	150mm
025-190-701	2.5mm	150mm
027-190-701	2.7mm	150mm
030-190-701	3.0mm	150mm
032-190-701	3.2mm	150mm
035-190-701	3.5mm	150mm
040-190-701	4.0mm	160mm
045-190-701	4.5mm	160mm
050-190-701	5.0mm	160mm
060-190-701	6.0mm	160mm



Twist Drill cylindrical

	Ø	length
010-199-701	1.0mm	56mm
011-199-701	1.1mm	60mm
012-199-701	1.2mm	65mm
015-199-701	1.5mm	70mm
018-199-701	1.8mm	80mm
020-199-701	2.0mm	85mm
022-199-701	2.2mm	90mm
025-199-701	2.5mm	95mm
027-199-701	2.7mm	100mm
028-199-701	2.8mm	100mm
030-199-701	3.0mm	100mm
032-199-701	3.2mm	106mm

	Ø	length
035-199-701	3.5mm	112mm
040-199-701	4.0mm	119mm
045-199-701	4.5mm	126mm
050-199-701	5.0mm	132mm
060-199-701	6.0mm	139mm
070-199-701	7.0mm	156mm
080-199-701	8.0mm	160mm



314



SECTION

R

MISCELLANEOUS



Elaf Medical Supplies



75mm, 3" working length

165-538-003	3 Charr/1.0mm
165-538-005	5 Charr/1.8mm
165-538-007	7 Charr/2.3mm

100mm, 4" working length

165-539-003	3 Charr/1.0mm
165-539-005	5 Charr/1.8mm
165-539-007	7 Charr/2.3mm

Baron

Suction Cannula with finger cut-off and stylet

190mm, 7 1/2"

165-523-006	6 Charr/2.0mm
165-523-008	8 Charr/2.5mm
165-523-010	10 Charr/3.0mm
165-523-012	12 Charr/4.0mm

Frazier

Aspiration Cannula



180mm, 7"

165-525-006	6 Charr/2.0mm
165-525-008	8 Charr/2.5mm
165-525-010	10 Charr/3.0mm
165-525-012	12 Charr/4.0mm

Fergusson

Suction Cannula with finger cut-off and stylet



Andrew-Pyncheon
165-066-000
Suction Tube
240mm, 9 1/2"



Yankauer
165-543-270 Complete Instrument
165-543-000 Olive
Suction Tube with central drill
270mm, 10²/₃"



Wartenberg
100-416-190
Pinwheel
190mm, 7¹/₂"



260-988-002 Children, 240mm, 9¹/₂"
260-988-001 Adult, 370mm, 14"
Lead Hand



Michele

- 210-405-180 Ø inside: 3mm
 Ø outside: 5mm
- 210-406-180 Ø inside: 5mm
 Ø outside: 6mm
- 210-408-180 Ø inside: 6.5mm
 Ø outside: 8mm

Trephine
180mm, 7"



- 200-100-070 4.0x6.0mm opening
 - 200-100-075 2.7x3.5mm opening
- Bending iron
for standard Plates



Screw Driver
250mm, 10"



200-604-235 250mm, 10"
200-604-275 200mm, 8"
Screw Driver,
hexagonal $\varnothing$ 3.5mm
for 2.7 - 3.5 - 4.0mm screws



200-601-250
Screw Driver,
cross slot, 6mm



200-600-200
Screw Driver
cross slot, 6mm
for small Philips screws



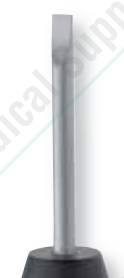
Lane
200-604-250
Screw driver, 6mm
for 2.7 - 3.5 - 4.0mm screws



200-604-200 250mm, 10"
200-604-220 200mm, 8"
Screw Driver,
hexagonal $\varnothing$ 2.5mm
for 2.7 - 3.5 - 4.0mm screws



200-608-200
Screw Driver,
hexagonal $\varnothing$ 1.5mm



200-604-240
Screw Driver, flat, 6mm
for 2.7 - 3.5 - 4.0mm screws,
170mm, 6^{3/4}"

