



**BONE SURGERY
INSTRUMENTS
BONE DRILL AND
PLATE INSTRUMENTS**



amputations-und resektiosagen
 Scies a amputation et resection

sierra para amputacion y reseccion
 seghe per amputazione



Charriere Bone Saw
S15-001-18 18cm
S15-001-20 20cm
S15-001-24 24cm



**Charriere Saw
 Blade Only**
S15-002-18 18cm
S15-002-20 20cm
S15-002-24 24cm



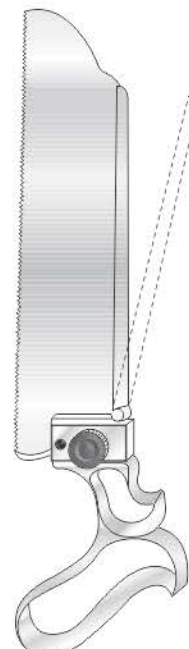
**Satterlee Amputation
 & Resection Saw**
S15-003-31 31 cm



Satterlee Saw
S15-004-30 30cm
 Length of Blade 21.5cm



**Satterlee Saw
 Blade Only**
S15-005-21 21.5cm
S15-005-23 23cm
S15-005-25 25cm
 Length Blade



Satterlee Saw Hinged Back
S15-006-23 23cm blade length
S15-006-25 25cm blade length



Charriere Saw
S15-007-28 28 cm
 Spine Saw Double blade
 with guide handle
 Length of blades 16cm



Charriere Saw
S15-008-35 35cm
 Spare saw blades
S15-008-01 12mm wide
S15-008-02 18mm wide



**Charriere Bone Saw
 Complete**
S15-009-35 35.5cm



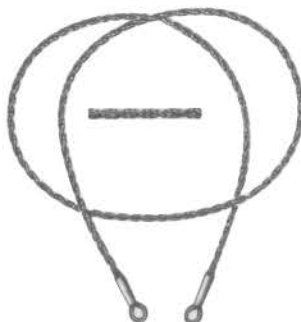
Helferich-Bier Saw
S15-010-39 39cm
 Spare saw blades
S15-010-01 3mm wide
S15-010-02 5mm wide
S15-010-03 7mm wide
 length of blade 27cm

amputations-und resektiosagen
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Percy Amputation Shield
S15-015-30 30.5cm
Handles Detachable



GIGLI
S15-018-30 30cm
S15-018-40 40cm
S15-018-50 50cm
fine, 6 wires twisted



GIGLI
S15-019-00
Handle



LEBSCHE
S15-022-25
Conductor for wire saws, malleable
25cm



Joseph Bone Saw / Rasp
S15-025-03 19cm



Linderman Amputation Saw
S15-026-19 19cm



Linderman Amputation Saw
S15-027-20 20cm



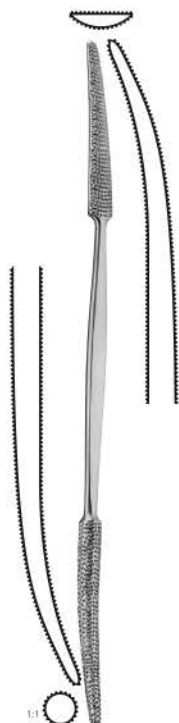
Langenbeck Metacarpal Saw
S15-028-23 23cm
11.5cm Blade



Patella Bone Saw
S15-030-00 Includes 1 blade
S15-030-01 Replacement blade only
Delrin Handle

Raspeln, Feilen
Escofinas, limas
Rapes, Limes
Raspe, lime


Putti Bone Rasp
S15-032-27 27 cm
 Double ended, One end curved up
 one end curved sideways



Putti Rasp
S15-033-30 30 cm
 Double Ended



Bone File
S15-035-28 28 cm
 semicircular



Bone File
 Bayonet Shape
S15-036-24 24.5 cm
 semicircular



Bone File
S15-038-22 22 cm
 flat



Fomon Rasp
S15-040-01 21.5cm
 Double Ended
 one Sided straight
 one side concave



Fomon Rasp
S15-040-02 21.5cm
 Double Ended
 one Sided straight
 one side convex



Fomon Rasp
S15-040-03 21.5cm
 Double Ended



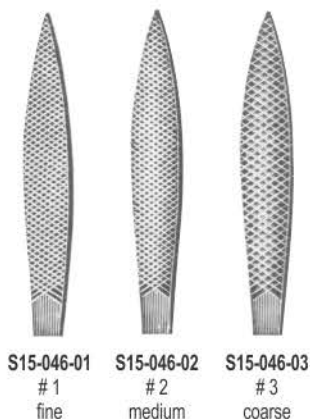
Fomon Rasp
S15-040-04 21.5cm
 Double Ended straight
 single Sided
 one side concave



Fomon Rasp
S15-040-05 21.5cm
 Double Ended straight
 single Sided
 one side convex

Raspeln, Feilen
Rapes, Limes
Escofinas, limas
Raspe, lime

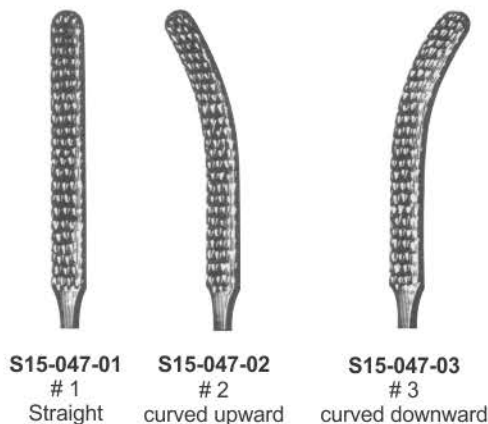

**Joseph
Bone and Nasal File**
16cm
wide 8mm



S15-046-01
1
fine
S15-046-02
2
medium
S15-046-03
3
coarse



**Gallaher Bone and
Nasal Rasp, Coarse**
18cm



S15-047-01
1
Straight
S15-047-02
2
curved upward
S15-047-03
3
curved downward



Good Bone File / Rasp
S15-048-16 16.5cm
Straight



Kistler Ear Cartilage Rasp
S15-049-01 left
S15-049-02 right
16.5cm Curved



Micro Rasp
S15-050-14 14cm
Single ended
double sided



Nail Rasp
S15-051-17 17cm
Single sided



Maltz Rasp
S15-052-18 18cm
Single-Ended
Single sided



Improved Maltz Rasp
S15-053-18 18cm
Single-Sided
up & down rasping



Putti Rasp
S15-054-23 23cm
falt / flat
S15-054-30 30.5cm
Round / flat



Foman Rasp
S15-055-21 21.5cm
Double ended, Fine & coarse serrations 4-sided convex and flat blades



Foman Rasp
S15-056-21 21 cm



Kleinert-Kutz Bone Rasp
S15-057-22 22.5cm
Double ended, Fine & coarse serrations



Miller Rasp
S15-058-21 21.5cm
Double Ended straight single Sided



Miller-Colburn Bone File
18 cm

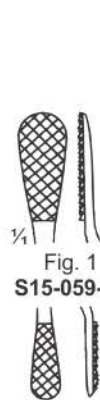


Fig. 1
S15-059-01



Fig. 2
S15-059-02

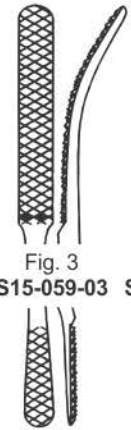


Fig. 3
S15-059-03

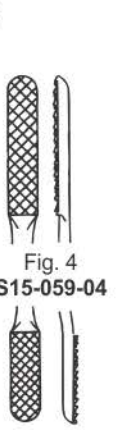
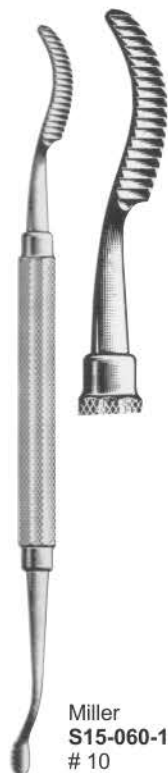
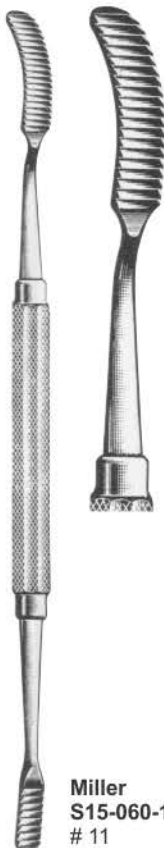


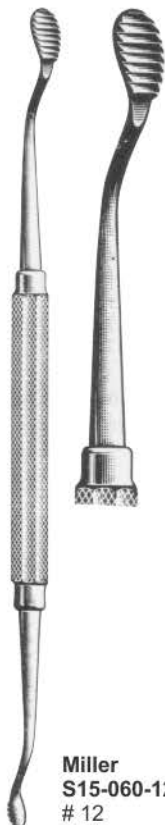
Fig. 4
S15-059-04



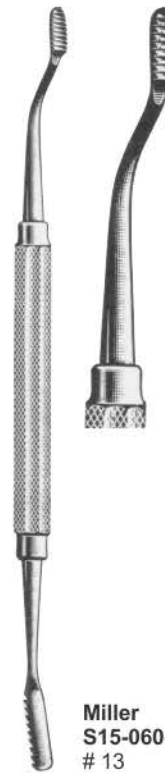
Miller
S15-060-10
10



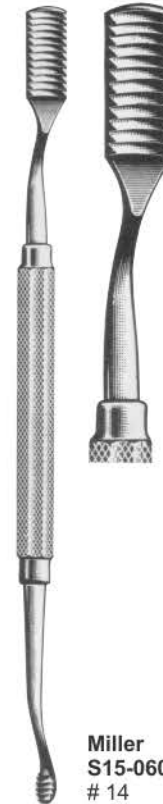
Miller
S15-060-11
11



Miller
S15-060-12
12



Miller
S15-060-13
13



Miller
S15-060-14
14



Miller
S15-060-21
11 C

Hammer
Martillos
Maillets
Martelli

Doyen Mallets

25cm

S15-071-25 25mmØ - 120g

S15-071-30 30mmØ - 180g

S15-071-35 35mmØ - 260g

Collin Mallets
S15-072-20 20cm

30mmØ - 220g


Hajek Mallets
S15-073-22 22cm

27mmØ - 140g


Kirk Mallets
S15-074-38 20.5cm

38mmØ - 750g

S15-074-39 20.5cm

38mmØ - 570g


Partsch Mallets
S15-075-18 18cm

22mmØ - 200g


Lucae Mallets
S15-076-19 19mmØ - 220g

S15-076-25 25mmØ - 260g

 19cm
 Brass Solid

Mallet
S15-077-25 19cm

25mmØ - 205g

 Solid steel, with
 plastic faces

Cottle Mallets
S15-078-30 18.5cm

30mmØ - 240g

 1 side flat /
 1 side convex

Hammer
 Maillets

 Martillos
 Martelli


Extra Nylon Face
S15-079-01 2.54cmØ
S15-079-02 3cmØ
S15-079-03 3.2cmØ



Nylon Caps
S15-080-01
 2.5cm



Mallet
S15-081-30 30 cm
 head 16 oz.
 (454 g) solid stainless



Mead Mallets
S15-082-26 18cm
 26mmØ - 320g
 Steel solid, with
 Plastic faces

Nylon Head Combination Mallet
S15-079-25 25.4mmØ - 7.76 oz.
S15-079-30 30mmØ - 11 oz.
S15-079-32 32mmØ - 12 oz
 19.5cm

Mallet, Lightweight
S15-080-25 19cm
 Stainless Steel and Aluminum
 Head diameter 25mm
 Weight 7 oz 200 grams
 Head Weight: 4 oz 113 grams



Williger Mallets
S15-085-20 16.5cm
 20mmØ - 140g
 lead filled



Williger Mallets
S15-086-20 16.5cm
 20mmØ - 140g
 Brass Solid



Partsch Mallet
S15-087-22 19.5cm
 Head diameter 22mm
 Weight 7 oz 200 grams
 Head Weight: 5oz/150 grams
 lead filled



Partsch Mallet
S15-088-19 19cm
 Head diameter 26mm
 Weight 11 oz 315 grams
 Head Weight: 6 oz 170 grams
 lead filled



Solid Copper Head Mallet
S15-089-20 16.5cm
 Solid, 20mmØ

Hammer
 Maillets

 Martillos
 Martelli


Gerzog Bone Mallet
S15-090-25 19cm
 Head diameter 25mm
 Weight 10 oz (285 grams)
 Head Weight: 7 oz (200 grams)



Bergmann Mallets
S15-091-45 24.5cm
 45mmØ - 300g

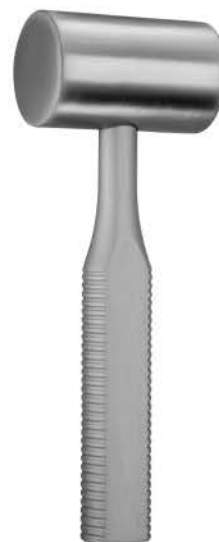


BERGMANN
S15-092-30 300g
 23cm

Ø 30mm



Ombredanne Mallets
S15-093-40 24cm
 40mmØ - 550g



Heath Mallets
S15-094-40 18cm
 40mmØ - 700g
S15-094-45 20cm
 45mmØ - 1000g
 Lead filled



Orthopedic Mallet
S15-095-50 28cm
 Heavyweight
 Solid, Head diameter 50.0mm
 Head Weight: 2 lb. (900 grams)



Ortho Mallets
S15-096-26 26.5 cm
 (450g)



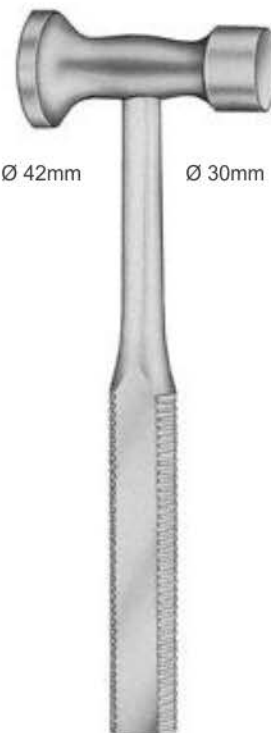
Williger Mallets
S15-097-30 25mmØ - 300g
S15-097-34 28mmØ - 340g
S15-097-30 30mmØ - 400g
 24cm Lead filled



S15-098-23 350 g
 Head made of
 material used for implants
 23cm

Ø23mm

Ø 10mm



Ø 42mm

Ø 30mm

Mallet
S15-099-24
 24cm 400 g

Hammer
Martillos
Maillets
Martelli


Orthopaedic Mallet
S15-100-19 19 cm



Mallet
S15-101-00



Phenolic Handle Mallet
S15-106-32 32mmØ
Head weight 16 oz (454 grams)
S15-106-45 45mmØ
Weight 11 oz (312 grams);
Head weight: 2 lbs (907 grams),
28 cm



Reprocussion Free Mallet
S15-107-30 28cm
30mmØ
Weight 1lb 5 oz (595 grams)
Head weight: 10 oz (283 grams)



Nylon Cap
S15-108-01
For Phenolic
Handle Mallet

Mallet
S15-108-30 26 cm
Plane (Nylon) convex (steel)
Head 30mm Ø
weight 675 grams.



Mallet
S15-109-26 26 cm
Head 42/30mm Ø
weight 530 grams



Mallet
S15-110-30 26 cm
Plastic Handle
head 30mm Ø
weight 510 grams



Vickers Mallets
S15-111-25 19 cm
25mmØ - 300g
nylon disks plastic



Reprocussion Free Mallet Cap For
S15-111-01

Herbert Mallets
S15-112-25 19 cm
25mmØ - 300g
for ulnar head
prosthesis plastic handle

Hammer
Maillets

Martillos
Martelli



Mallet
S15-116-18 18 cm
Made of Plastic
Head 30mm Ø
weight 125 grams



Mallet
S15-117-26 26 cm
Made of Plastic
with lead filling
Head 42mm Ø
weight 250 grams



Mallet
S15-118-37 22.5 cm
Disks & Plastic Handle
Head 37mm Ø
weight 370 grams

Spare Facing (pair)
S15-118-01 Plastic



Mallet
S15-119-30 24 cm
Plastic Handle
Head 30mm Ø
weight 480 grams



Mallet
26 cm
Made of Plastic
with lead filling
S15-120-42
Head 42 mm Ø
weight 400 grams
S15-120-43
Head 42 mm Ø
weight 250 grams



Mallet
S15-121-01



Mallet
S15-122-01



S15-123-35 Ø35mm
S15-123-45 Ø45mm
S15-123-50 Ø50mm
26cm

(sterilizable in autoclave
up to 143° C by 3 bar)



S15-124-50
26cm
Ø50mm 400g

Ø50mm
400 g

(sterilizable in autoclave
up to 143° C by 3 bar)



Steinbach
S15-125-50
24cm
Ø50mm 400g

Ø60mm
400 g

Knochenmeißel, Meißel, Osteotome
Ciseaux à os, gouges, ostéotomes

Cinceles óseos, gubias, osteótomos
ScalPELLi per ossa, sgorbie, osteotomi



Chisel
13.5cm

S15-131-08 8mm
S15-131-10 10mm
S15-131-12 12mm
S15-131-14 14mm
S15-131-16 16mm



Osteotome
13.5cm

S15-132-08 8mm
S15-132-10 10mm
S15-132-12 12mm
S15-132-14 14mm
S15-132-16 16mm



Gouge
13.5cm

S15-133-08 8mm
S15-133-10 10mm
S15-133-12 12mm
S15-133-14 14mm
S15-133-16 16mm



Lucas Chisel
16cm

S15-134-03 3mm
S15-134-04 4mm
S15-134-05 5mm
S15-134-06 6mm



Lucas Gouge
16cm

S15-135-03 3mm
S15-135-04 4mm
S15-135-05 5mm
S15-135-06 6mm



Alexander Chisel
18cm

S15-136-04 4mm
S15-136-06 6mm
S15-136-08 8mm
S15-136-10 10mm
S15-136-12 12mm
S15-136-14 14mm



Alexander Gouge
18cm

S15-137-04 4mm
S15-137-06 6mm
S15-137-08 8mm
S15-137-10 10mm
S15-137-12 12mm
S15-137-14 14mm



Partsch Chisel
11.5cm

S15-138-02 2mm
S15-138-03 3mm
S15-138-04 4mm
S15-138-06 6mm
S15-138-07 7mm
S15-138-08 8mm

Partsch Chisel
14cm

S15-139-02 2mm
S15-139-03 3mm
S15-139-04 4mm
S15-139-06 6mm
S15-139-07 7mm
S15-139-08 8mm

Partsch Chisel
17.5cm

S15-140-02 2mm
S15-140-03 3mm
S15-140-04 4mm
S15-140-06 6mm
S15-140-07 7mm
S15-140-08 8mm



Partsch Osteotome
11.5cm

S15-141-02 2mm
S15-141-03 3mm
S15-141-04 4mm
S15-141-06 6mm
S15-141-07 7mm
S15-141-08 8mm

Partsch Osteotome
14cm

S15-142-02 2mm
S15-142-03 3mm
S15-142-04 4mm
S15-142-06 6mm
S15-142-07 7mm
S15-142-08 8mm

Partsch Osteotome
17.5cm

S15-143-02 2mm
S15-143-03 3mm
S15-143-04 4mm
S15-143-06 6mm
S15-143-07 7mm
S15-143-08 8mm



Partsch Gouge
11.5cm

S15-144-02 2mm
S15-144-03 3mm
S15-144-04 4mm
S15-144-06 6mm
S15-144-07 7mm
S15-144-08 8mm

Partsch Gouge
14cm

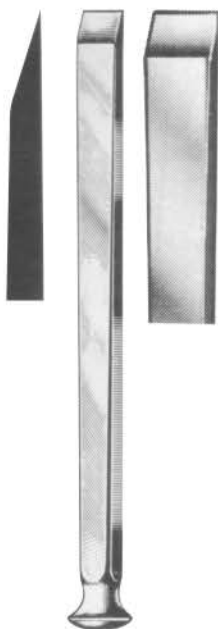
S15-145-02 2mm
S15-145-03 3mm
S15-145-04 4mm
S15-145-06 6mm
S15-145-07 7mm
S15-145-08 8mm

Partsch Gouge
17.5cm

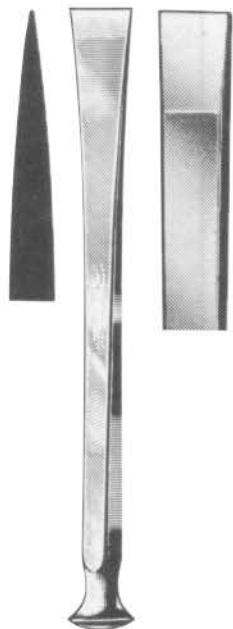
S15-146-02 2mm
S15-146-03 3mm
S15-146-04 4mm
S15-146-06 6mm
S15-146-07 7mm
S15-146-08 8mm

Knochenmeißel, Meißel, Osteotome
Ciseaux à os, gouges, ostéotomes

Cinceles óseos, gubias, osteótomos
ScalPELLi per ossa, sgorbie, osteotomi



U.S. Army Chisels
S15-147-06 6mm
S15-147-12 12mm
S15-147-18 18mm
16cm



U.S. Army Osteotomes
S15-148-06 6mm
S15-148-12 12mm
S15-148-18 18mm
16cm



U.S. Army Gouges
S15-149-06 6mm
S15-149-12 12mm
S15-149-18 18mm
16cm



Schwartz Chisels
S15-153-02 2mm
S15-153-04 4mm
S15-153-06 6mm
S15-153-08 8mm
S15-153-10 10mm
11cm



Schwartz Gouges
S15-154-02 2mm
S15-154-04 4mm
S15-154-06 6mm
S15-154-08 8mm
S15-154-10 10mm
11cm



Trautmann Chisels
S15-155-02 2mm
S15-155-04 4mm
S15-155-06 6mm
S15-155-08 8mm
S15-155-10 10mm
11cm



Trautmann Gouges
S15-156-02 2mm
S15-156-04 4mm
S15-156-06 6mm
S15-156-08 8mm
S15-156-10 10mm
11cm



Bishop Chisels
S15-157-02 2mm
S15-157-03 3mm
S15-157-04 4mm
S15-157-05 5mm
S15-157-06 6mm
S15-157-08 8mm
15cm



Bishop Gouges
S15-158-02 2mm
S15-158-03 3mm
S15-158-04 4mm
S15-158-05 5mm
S15-158-06 6mm
15cm



Bishop Chisels
S15-159-03 3mm
S15-159-04 4mm
S15-159-05 5mm
17cm



Bishop Gouges
S15-160-03 3mm
S15-160-04 4mm
S15-160-05 5mm
17cm

Knochenmeißel, Meißel, Osteotome
Ciseaux à os, gouges, ostéotomes

Cinceles óseos, gubias, osteótomos
ScalPELLi per ossa, sgorbie, osteotomi



Stille
20cm



Stille Chisel
S15-166-10 10mm
S15-166-15 15mm
S15-166-20 20mm
S15-166-25 25mm
 Straight



Stille Osteotome
S15-167-04 4mm
S15-167-06 6mm
S15-167-08 8mm
S15-167-10 10mm
S15-167-12 12mm
S15-167-15 15mm
S15-167-20 20mm
S15-167-25 25mm
 Straight



Stille Osteotome
S15-168-10 10mm
S15-168-15 15mm
S15-168-20 20mm
S15-168-25 25mm
 Curved



Stille Gouge
S15-169-08 8mm
S15-169-10 10mm
S15-169-12 12mm
S15-169-15 15mm
S15-169-20 20mm
S15-169-25 25mm
 Straight



Stille Gouge
S15-170-10 10mm
S15-170-15 15mm
S15-170-20 20mm
S15-170-25 25mm
 Curved



Smith-Petersen
20cm



Smith-Petersen Osteotome
S15-172-06 6mm
S15-172-09 9mm
S15-172-13 13mm
S15-172-16 16mm
S15-172-19 19mm
S15-172-25 25mm
S15-172-30 30mm
 Straight



Smith-Petersen Osteotome
S15-173-06 6mm
S15-173-09 9mm
S15-173-13 13mm
S15-173-16 16mm
S15-173-19 19mm
S15-173-25 25mm
S15-173-30 30mm
 Curved



Smith-Petersen Gouge
S15-174-06 6mm
S15-174-09 9mm
S15-174-13 13mm
S15-174-16 16mm
S15-174-19 19mm
S15-174-25 25mm
S15-174-30 30mm
 Straight



Smith-Petersen Gouge
S15-175-06 6mm
S15-175-09 9mm
S15-175-13 13mm
S15-175-16 16mm
S15-175-19 19mm
S15-175-25 25mm
S15-175-30 30mm
 Curved

Knochenmeißel, Meißel, Osteotome
Ciseaux à os, gouges, ostéotomes

Cinceles óseos, gubias, osteótomos
ScalPELLi per ossa, sgorbie, osteotomi



Hibbs
24cm



Hibbs Chisel
S15-176-06 6mm
S15-176-13 13mm
S15-176-19 19mm
S15-176-25 25mm
S15-176-32 32mm
Straight



Hibbs Osteotome
S15-177-06 6mm
S15-177-13 13mm
S15-177-19 19mm
S15-177-25 25mm
S15-177-32 32mm
Straight



Hibbs Osteotome
S15-178-06 6mm
S15-178-13 13mm
S15-178-19 19mm
S15-178-25 25mm
S15-178-32 32mm
Curved



Hibbs Gouge
S15-179-06 6mm
S15-179-13 13mm
S15-179-19 19mm
S15-179-25 25mm
S15-179-32 32mm
Straight



Hibbs Gouge
S15-180-06 6mm
S15-180-13 13mm
S15-180-19 19mm
S15-180-25 25mm
S15-180-32 32mm
Curved



Hoke Osteotome
17cm
S15-183-03 3mm
S15-183-05 5mm
S15-183-07 7mm
S15-183-08 8.5mm
S15-183-10 10mm
S15-183-12 12mm
Straight



Hoke Osteotome
17cm
S15-184-03 3mm
S15-184-05 5mm
S15-184-07 7mm
S15-184-08 8.5mm
S15-184-10 10mm
S15-184-12 12mm
Curved



**Obwegeser
Blade Osteotome**
S15-187-07 7mm
21.5cm



**Obwegeser
Blade Osteotome**
S15-188-10 10mm
21.5cm



Obwegeser Osteotome
S15-189-11 23.5cm
11mm

Knochenmeißel, Meißel, Osteotome
Ciseaux à os, gouges, ostéotomes

Cinceles óseos, gubias, osteótomos
ScalPELLi per ossa, sgorbie, osteotomi



Hibbs Chisel

Hibbs Chisel

22.5 cm straight

S15-191-06 6 mm
 S15-191-09 9 mm
 S15-191-12 12 mm
 S15-191-15 15 mm
 S15-191-18 18 mm
 S15-191-20 20 mm
 S15-191-25 25 mm
 S15-191-30 30 mm
 S15-191-35 35 mm
 S15-191-40 40 mm



22.5 cm curved

S15-192-06 6 mm
 S15-192-09 9 mm
 S15-192-12 12 mm
 S15-192-15 15 mm
 S15-192-18 18 mm
 S15-192-20 20 mm
 S15-192-25 25 mm
 S15-192-30 30 mm
 S15-192-35 35 mm
 S15-192-40 40 mm



Hibbs Osteotomes

Osteotomes

22.5 cm straight

S15-193-06 6 mm
 S15-193-09 9 mm
 S15-193-12 12 mm
 S15-193-15 15 mm
 S15-193-18 18 mm
 S15-193-20 20 mm
 S15-193-25 25 mm
 S15-193-30 30 mm
 S15-193-35 35 mm
 S15-193-40 40 mm



22.5 cm curved

S15-194-06 6 mm
 S15-194-09 9 mm
 S15-194-12 12 mm
 S15-194-15 15 mm
 S15-194-18 18 mm
 S15-194-20 20 mm
 S15-194-25 25 mm
 S15-194-30 30 mm
 S15-194-35 35 mm
 S15-194-40 40 mm



Cobb Chisel

Cobb Chisel

27.5 cm straight

S15-201-06 6 mm
 S15-201-09 9 mm
 S15-201-12 12 mm
 S15-201-15 15 mm
 S15-201-18 18 mm
 S15-201-25 25 mm
 S15-201-35 35 mm



27.5 cm Curved

S15-202-06 6 mm
 S15-202-09 9 mm
 S15-202-12 12 mm
 S15-202-15 15 mm
 S15-202-18 18 mm
 S15-202-25 25 mm
 S15-202-35 35 mm



Cobb Osteotomes

Osteotomes

27.5 cm Straight

S15-203-06 6 mm
 S15-203-09 9 mm
 S15-203-12 12 mm
 S15-203-15 15 mm
 S15-203-18 18 mm
 S15-203-25 25 mm
 S15-203-35 35 mm



27.5 cm curved

S15-204-06 6 mm
 S15-204-09 9 mm
 S15-204-12 12 mm
 S15-204-15 15 mm
 S15-204-18 18 mm
 S15-204-25 25 mm
 S15-204-35 35 mm

Knochenmeißel, Endoscopic Meißel & Meißel

Gubias óseas, cinceles endoscópicos y gubias

Gouges à os, ciseaux endoscopiques et gouges

Sgorbie per ossa, scalpelli e sgorbie endoscopie



Cobb Gouge
24 cm



S15-205-01
Straight



S15-205-02
Slightly Curved



S15-205-03
Strongly Curved



S15-205-04
Curved down



Cobb Gouge
24 cm
Knurled Handle



S15-206-01
Straight



S15-206-02
Slightly Curved



S15-206-03
Strongly Curved



S15-206-04
Curved down



Hibbs Gouge Endoscopic.
S15-209-46 46 cm
7 mm tip width straight, graduated



Hibbs Chisel Endoscopic
S15-210-01 46 cm
10 mm tip width straight

Hibbs Osteotomes Endoscopic
S15-210-02 46 cm
10 mm tip width straight

Knochenmeißel, Meißel, Osteotome
Ciseaux à os, gouges, ostéotomes

Cinceles óseos, gubias, osteótomos
Scalpelli per ossa, sgorbie, osteotomi

Tuffnel Handle



Lexer Chisel

22 cm

S15-215-07 7 mm
S15-215-10 10 mm
S15-215-12 12 mm
S15-215-15 15 mm
S15-215-20 20 mm
S15-215-25 25 mm
S15-215-30 30 mm

Lexer Modif. Chisel

29 cm

S15-216-07 7 mm
S15-216-10 10 mm
S15-216-12 12 mm
S15-216-15 15 mm
S15-216-20 20 mm
S15-216-25 25 mm
S15-216-30 30 mm



Lexer Osteotome

22 cm

S15-217-07 7 mm
S15-217-10 10 mm
S15-217-12 12 mm
S15-217-15 15 mm
S15-217-20 20 mm
S15-217-25 25 mm
S15-217-30 30 mm

Lexer Modif. Osteotome

29 cm

S15-218-07 7 mm
S15-218-10 10 mm
S15-218-12 12 mm
S15-218-15 15 mm
S15-218-20 20 mm
S15-218-25 25 mm
S15-218-30 30 mm



Lexer Gouge

22 cm

S15-219-10 10 mm
S15-219-15 15 mm
S15-219-20 20 mm
S15-219-25 25 mm

Lexer Gouge Modif.

29 cm

S15-220-10 10 mm
S15-220-15 15 mm
S15-220-20 20 mm
S15-220-25 25 mm



Mini Lexer Chisel

S15-221-02 2mm
S15-221-04 4mm
S15-221-06 6mm
S15-221-08 8mm
S15-221-10 10mm
S15-221-12 12mm
S15-221-15 15mm
S15-221-20 20mm
18cm



Mini Lexer Osteotome

S15-222-02 2mm
S15-222-04 4mm
S15-222-06 6mm
S15-222-08 8mm
S15-222-10 10mm
S15-222-12 12mm
S15-222-15 15mm
S15-222-20 20mm
18cm



Lexer Gouge

25 mm

S15-223-05 5 mm
S15-223-10 10 mm
S15-223-15 15 mm
Straight



Lexer Gouge

25 mm

S15-224-05 5 mm
S15-224-10 10 mm
S15-224-15 15 mm
Curved

Knochenmeißel, Meißel, Osteotome
Cinceles óseos, gubias, osteótomos
Ciseaux à os, gouges, ostéotomes
Scalpelli per ossa, sgorbie, osteotomi
Tuffnel Handle

Capener Chisels

25cm

S15-227-06 6mm
S15-227-08 8mm
S15-227-10 10mm
S15-227-12 12mm
S15-227-15 15mm
S15-227-20 20mm
S15-227-25 25mm
S15-227-30 30mm
 Straight


Capener Chisels

25cm

S15-228-06 6mm
S15-228-08 8mm
S15-228-10 10mm
S15-228-12 12mm
S15-228-15 15mm
S15-228-20 20mm
S15-228-25 25mm
S15-228-30 30mm
 Curved


Capener Osteotome

25cm

S15-229-10 10mm
S15-229-12 12mm
S15-229-15 15mm
S15-229-20 20mm
S15-229-25 25mm
S15-229-30 30mm
 Straight


Capener Osteotome

25cm

S15-230-10 10mm
S15-230-12 12mm
S15-230-15 15mm
S15-230-20 20mm
S15-230-25 25mm
S15-230-30 30mm
 Curved


 Gouges for
scoliosis
operations


Zielke
S15-237-05 5.5mm
S15-237-09 9.0mm
 23cm

Cobb Spinal
Gouge
S15-238-01
 4mm, 28cm
 Straight

Cobb Spinal
Gouge
S15-238-02
 4mm, 28cm
 Light curve

Cobb Spinal
Gouge
S15-238-03
 4mm, 28cm
 strong curve

Cobb Spinal
Gouge
S15-238-04
 4mm, 28cm
 curved to rear

Chisel
S15-239-11
 115mm/280mm
 for extraction
 of cement

Chisel
S15-240-09
 for extraction
 of cement 9mm
 Positive 400mm

Chisel
S15-241-01
 with 2 prong

Osteotom | *osteótomo*
Ostéotome | *Osteotomo*

Lambotte Osteotome
 25cm

S15-245-06 6mm
S15-245-08 8mm
S15-245-10 10mm
S15-245-13 13mm
S15-245-14 15mm
S15-245-20 20mm
S15-245-25 25mm
S15-245-30 30mm
S15-245-38 38mm
S15-245-44 44mm
S15-245-50 50mm
 Straight


Lambotte Osteotome
 25cm

S15-246-06 6mm
S15-246-08 8mm
S15-246-10 10mm
S15-246-13 13mm
S15-246-15 15mm
S15-246-20 20mm
S15-246-25 25mm
S15-246-30 30mm
S15-246-38 38mm
S15-246-44 44mm
S15-246-50 50mm
 Curved

S15-247-03 3mm
S15-247-04 4mm
S15-247-06 6mm
S15-247-08 8mm
S15-247-10 10mm
S15-247-12 12mm
S15-247-15 15mm
 Straight


Mini-Lambotte Osteotome
 12.5cm

S15-248-03 3mm
S15-248-04 4mm
S15-248-06 6mm
S15-248-08 8mm
S15-248-10 10mm
S15-248-12 12mm
S15-248-15 15mm
 Curved



S15-249-03 3mm
S15-249-04 4mm
S15-249-06 6mm
S15-249-08 8mm
S15-249-10 10mm
S15-249-12 12mm
S15-249-15 15mm
 Straight


Mini-Lambotte Osteotome
 17cm

S15-250-03 3mm
S15-250-04 4mm
S15-250-06 6mm
S15-250-08 8mm
S15-250-10 10mm
S15-250-12 12mm
S15-250-15 15mm
 Curved


Cottle Osteotome

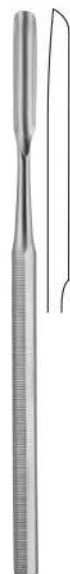
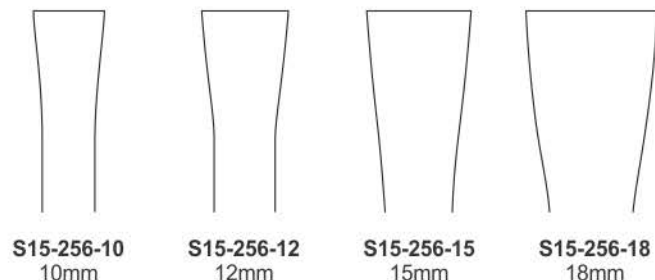
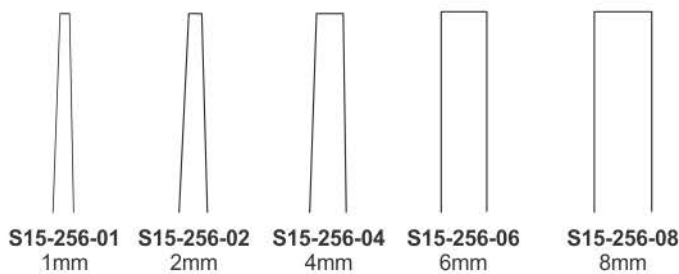
18.5cm Straight
S15-251-04 4mm tip width
S15-251-06 6mm tip width
S15-251-09 9mm tip width
S15-251-12 12mm tip width


Anderson-Nievert Osteotome
 20.5cm

S15-252-01 Curved right
S15-252-02 Curved left
S15-252-03 Straight

Meißel zur nasenplastik
Osteotomes, ciseaux-burins pour rhinoplastique
Cinceles para rinoplastica
Scalpelli per plastica nasale


Sheehan osteotome
16cm
for delicate bone cutting in
plastic and hand surgery



Freer Gouge
S15-257-15
15cm
06mm



Freer Chisel
S15-258-16
16cm
04mm



Ballenger Chisel
S15-259-04 4mm
S15-259-06 6mm
S15-259-08 8mm
16cm

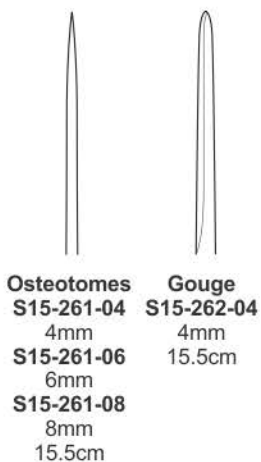
LEADER
SURGICAL



Shoulder Penetrating Gouge
S15-260-21
21.6cm
Straight, 3mm
distal tip



Mannerfelt Modif.



Osteotomes
S15-261-04 4mm
S15-261-06 6mm
S15-261-08 8mm
15.5cm
Gouge
S15-262-04
4mm
15.5cm



Kilian, Septum Gouge
S15-263-16 16cm
5mm



Kilian-Claus Septum Gouge
S15-264-16 16cm
5mm



Cottle Osteotome
S15-265-07 7mm
S15-265-12 12mm
15cm



Cottle Osteotome
S15-266-19 19cm
4mm



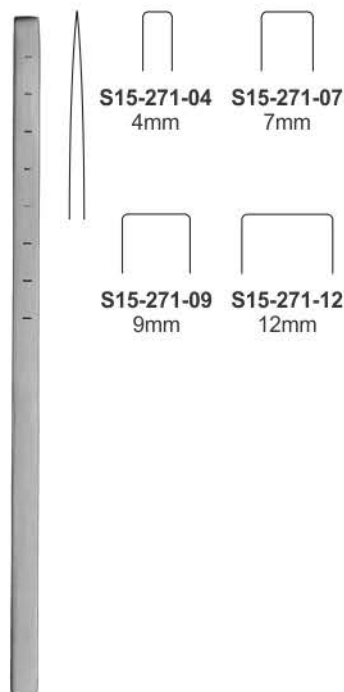
Cottle Osteotome with depth markings
S15-267-18 18cm
6mm

Meißel zur nasenplastik

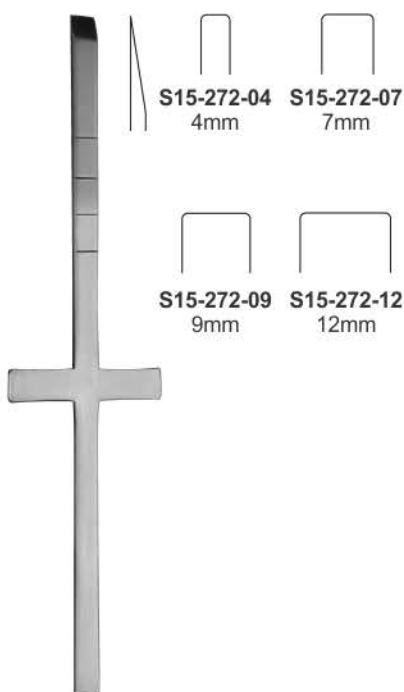
Osteotomes, ciseaux-burins pour rhinoplastique

Cinceles para rinoplastica

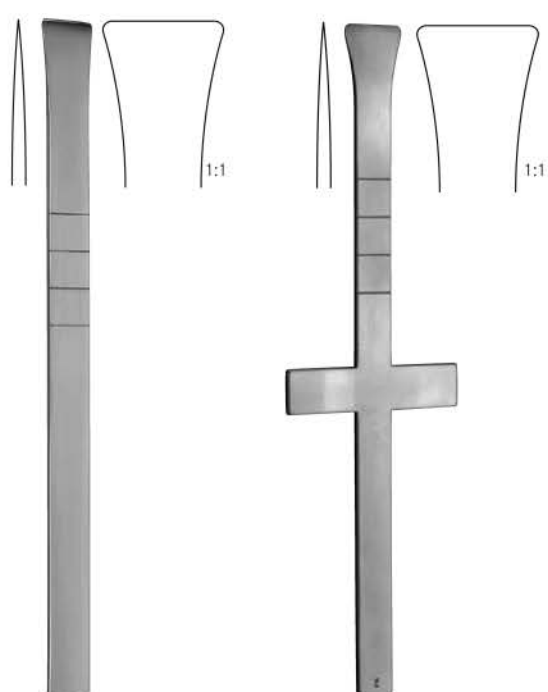
Scalpelli per plastica nasale



Cottle Osteotome
18cm

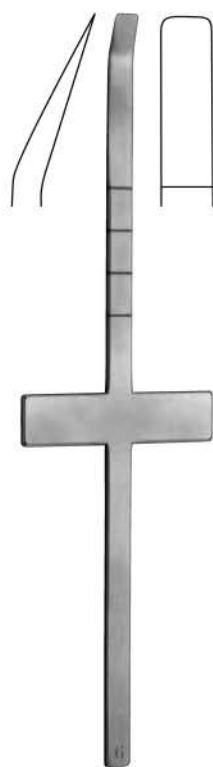


Cottle Chisel
18cm

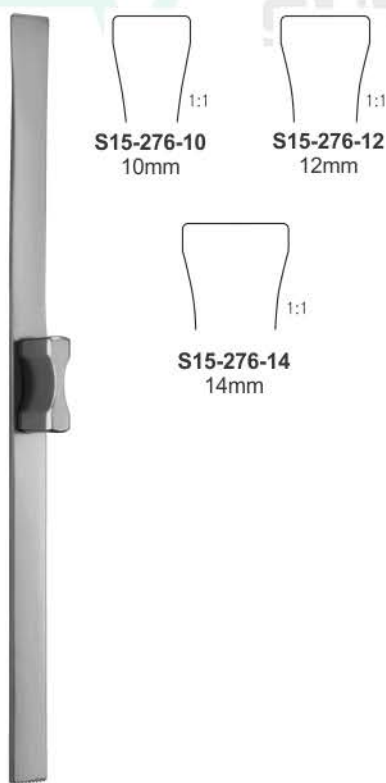


Cottle Osteotomes
S15-273-16 18cm
16mm Protected and depth markings

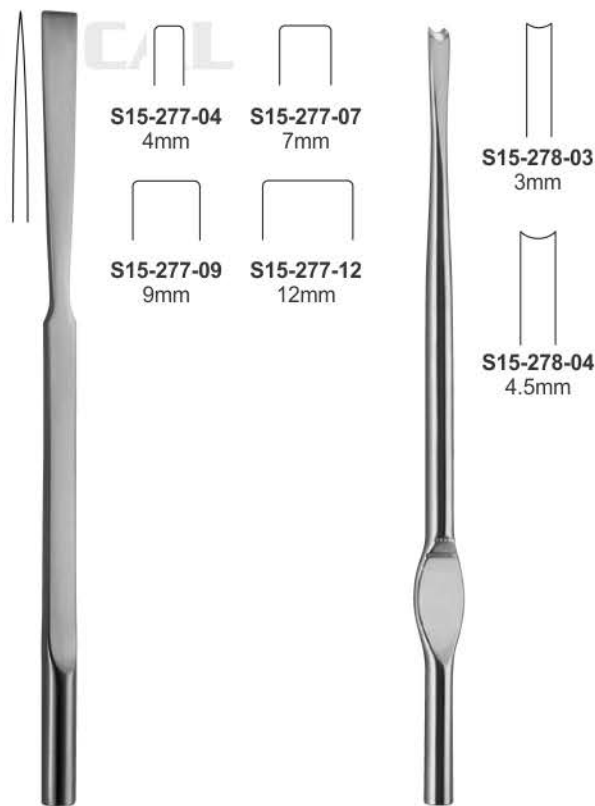
Cottle Osteotomes
S15-274-16 18cm
16mm Cross bar and depth markings



Cottle Osteotomes
S15-275-06 18cm
06mm Cross bar and depth markings



Rubin osteotome
with stabilizer to reduce chance of twisting for more control
18cm



Cottle Osteotome
20cm

Walter Gouge
19cm

Knochenmeißel & Osteotome, Rhachiotome

Ciseaux à os et ostéotomes, Rhachiotomes

Cinceles óseos y osteotomos, raquiotomos

Scalpelli per ossa e osteotomo, rachiotomi





Chisel Blade Handle
S15-300-00 18.5cm

Chisel blades, interchangeable



S15-300-01 8.5cm
5mm



S15-300-02 8.5cm
10mm



S15-300-03 8.5cm
16mm



S15-300-04 8.5cm
25mm



Osteotome blades, interchangeable



S15-300-05 8.5cm
5mm



S15-300-06 8.5cm
10mm



S15-300-07 8.5cm
16mm



S15-300-08 8.5cm
25mm



Chisel Blade key
S15-300-09 9cm

Stampfer & Küretten
Apisonadores y Curetas
Tampons & Curettes
Tamper e curette

Bone Tamper


S15-301-02
15.5cm
Head diameter
2mm



S15-301-03
15.5cm
Head diameter
3mm



S15-301-04
15.5cm
Head diameter
4mm



S15-301-05
15.5cm
Head diameter
5mm



S15-301-06
15.5cm
Head diameter
6mm



S15-301-08
15.5cm
Head diameter
8mm



S15-301-10
15.5cm
Head diameter
10mm



**Passow
Bone Tamper**
12cm



S15-302-25
2.5mm x 2.5mm



S15-302-35
3.5mm x 3.5mm



Bone Tamps
15.4 cm



Tip Size

S15-303-02 2 mm
S15-303-03 3 mm
S15-303-04 4 mm
S15-303-05 5 mm
S15-303-06 6 mm
S15-303-08 8 mm
S15-303-10 10 mm



**Caspar
Bone Tamper**
20cm



S15-304-03
3mm



S15-304-05
5mm



S15-304-08
8mm



**Caspar
Bone Tamper**
20cm



S15-305-12
12mm



S15-305-14
14mm



S15-305-16
16mm



Meyhoefer
14cm



S15-310-01
Fig. 0
Ø2 mm



S15-310-02
Fig. 1
Ø2.5 mm



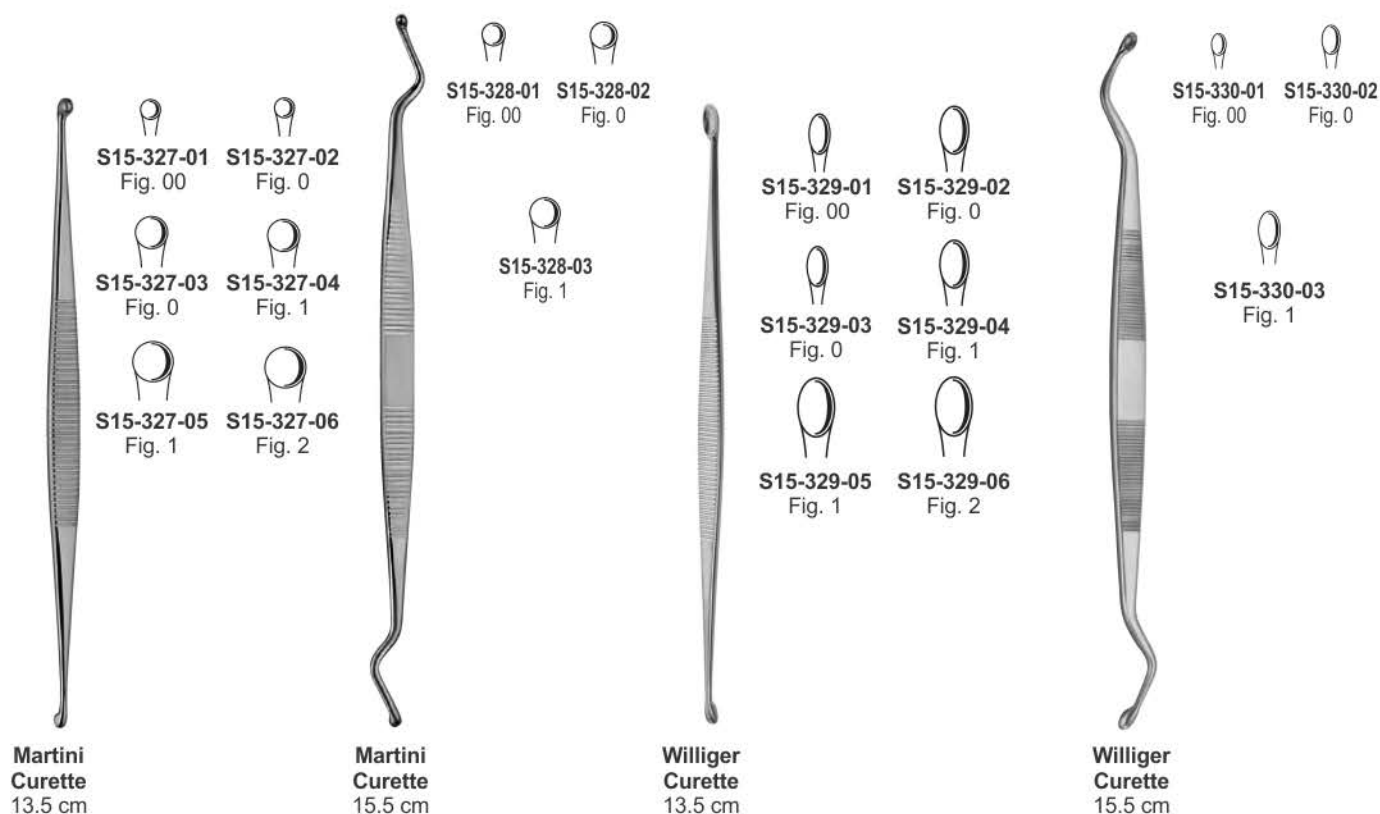
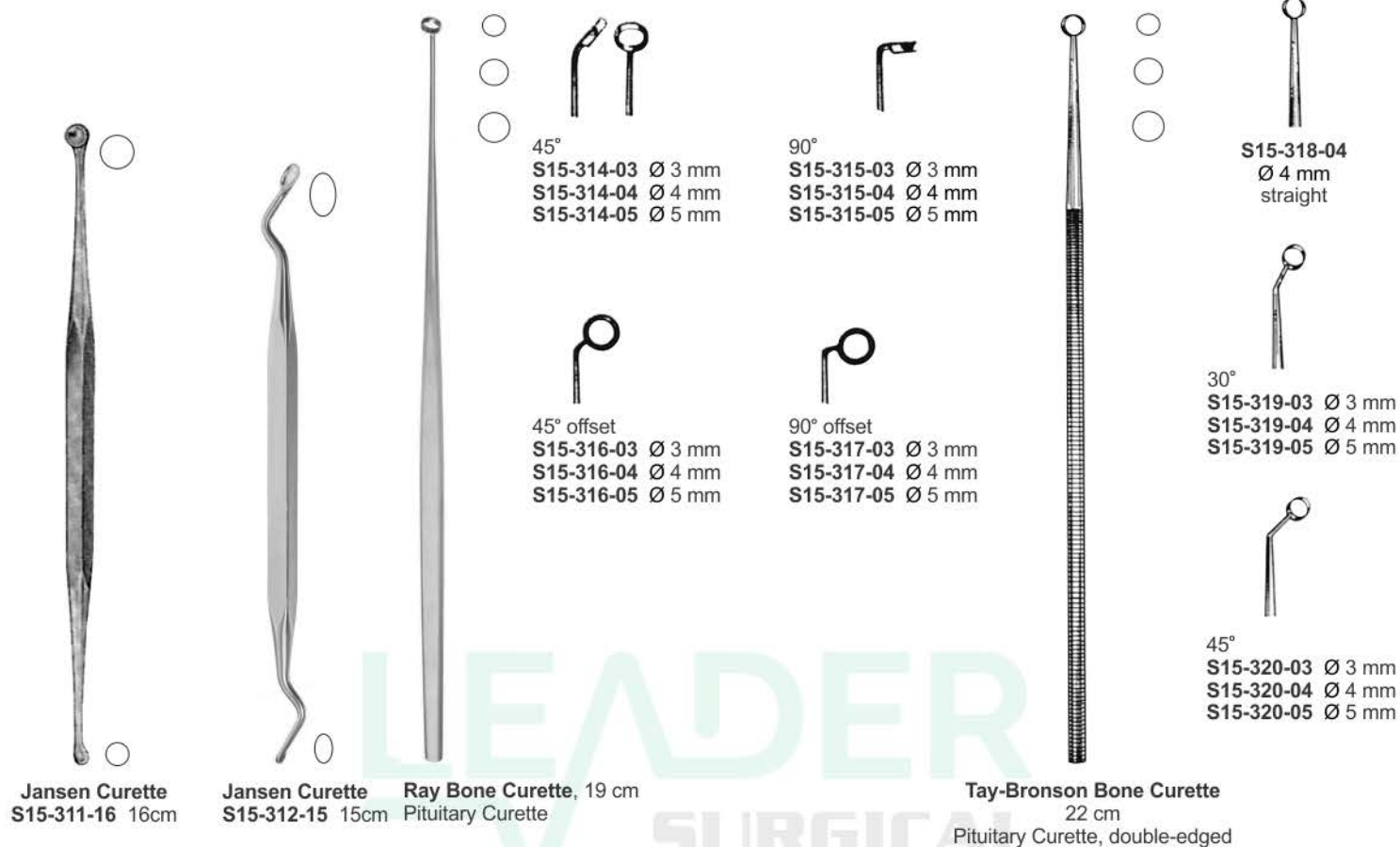
S15-310-03
Fig. 2
Ø3 mm



S15-310-04
Fig. 3
Ø3.5 mm

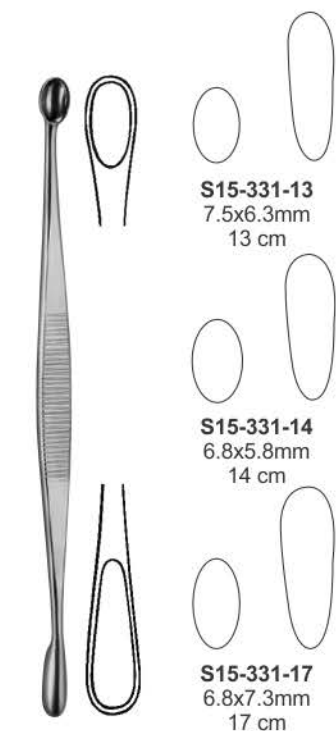


S15-310-05
Fig. 4
Ø5 mm

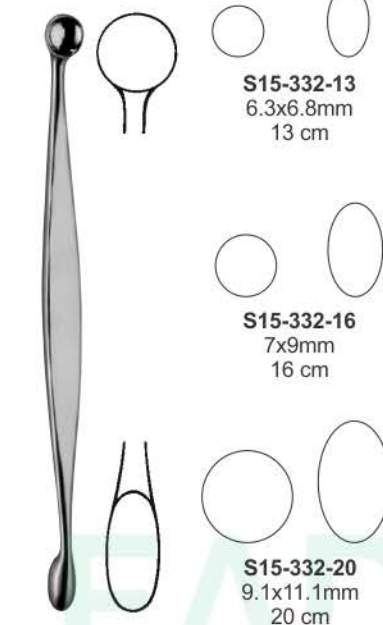


Scharfe Löffel
Curettes tranchantes

cucharillas cortantes
Cucchiai taglienti



**Volkman
Curette**
Oval / Oval



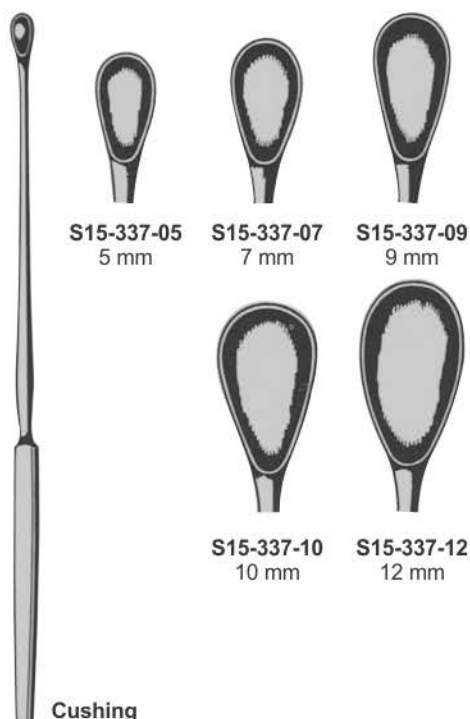
**Volkman
Curette**
Round / Oval



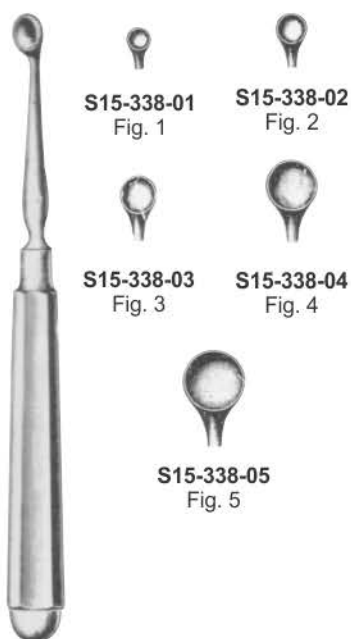
**Curette
S15-333-21**
21cm
round / oval



Volkman Bone Curettes
double-ended, oval
22cm 8 3/4"



**Cushing
Bone Curette**
23.5 cm
Pituitary Spoon,
malleable, silver-plated



**Buck Bone
Curettes**
14.5cm



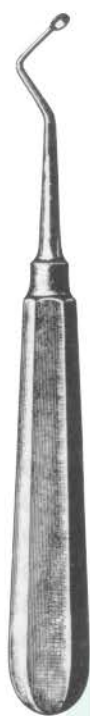
**Williger
Bone Curettes**
17cm



**Williger
Bone Curettes**
17cm

Scharfe Löffel
cucharillas cortantes
Curettes tranchantes
Cucchiai taglienti


S15-341-02 2mm
S15-341-03 3mm
15cm
Kerpel



S15-342-02 2mm
S15-342-03 3mm
15cm
Kerpel
angled to right



S15-343-02 2mm
S15-343-03 3mm
15cm
Kerpel
angled to left



**Uffenorde Bone
Curette Left**
S15-344-01
17.5 cm



**Uffenorde Bone
Curette Right**
S15-345-02
17.5 cm



Bone Curettes, round,
Swedish Pattern
17 - 20cm

S15-346-02 Ø 2mm 17cm	S15-346-03 Ø 3mm 17cm	S15-346-04 Ø 4mm 17cm	S15-346-05 Ø 5mm 17.5cm	S15-346-06 Ø 6mm 17.5cm
S15-346-07 Ø 7mm 18cm	S15-346-08 Ø 8mm 18cm	S15-346-10 Ø 10mm 19cm	S15-346-12 Ø 12mm 20cm	S15-346-14 Ø 14mm 20cm



Bone Curettes, oval,
Swedish Pattern
18 - 22cm

S15-347-02 2mm 18cm	S15-347-03 3mm 18cm	S15-347-04 4mm 18.5cm	S15-347-05 5mm 18.5cm
S15-347-06 6mm 18.5cm	S15-347-07 7mm 19cm	S15-347-08 8mm 20cm	S15-347-10 10mm 21cm
S15-347-12 12mm 21cm	S15-347-14 14mm 22cm		

S15-351-01
Fig. 0000

S15-351-02
Fig. 000

S15-351-03
Fig. 00

S15-351-04
Fig. 0

S15-351-05
Fig. 1

S15-351-06
Fig. 2

S15-351-07
Fig. 3

S15-351-08
Fig. 4

S15-351-09
Fig. 5

S15-351-10
Fig. 6



**Volkman
Bone Curette**
17cm

S15-352-01
Fig. 000

S15-352-02
Fig. 00

S15-352-03
Fig. 0

S15-352-04
Fig. 1

S15-352-05
Fig. 2

S15-352-06
Fig. 3

S15-352-07
Fig. 4



**Schede
Bone Curette**
17 cm

S15-353-01
Fig. 000

S15-353-02
Fig. 00

S15-353-03
Fig. 0

S15-353-04
Fig. 1

S15-353-05
Fig. 2

S15-353-06
Fig. 3

S15-353-07
Fig. 4

S15-353-08
Fig. 5

S15-353-09
Fig. 6



**Bruns
Bone Curette**
17cm

S15-354-01
Fig. 00000

S15-354-02
Fig. 0000

S15-354-03
Fig. 000

S15-354-04
Fig. 00

S15-354-05
Fig. 0

S15-354-06
Fig. 1

S15-354-07
Fig. 2

S15-354-08
Fig. 3

S15-354-09
Fig. 4

S15-354-10
Fig. 5



**Spratt Bone Curette
/ Hollow Handle**
16.5cm



**Lempert Bone
Curette**
20cm

- | | |
|---|---|
| 
S15-357-01
Fig. 000000 | 
S15-357-02
Fig. 000000 |
| 
S15-357-03
Fig. 0000 | 
S15-357-04
Fig. 000 |
| 
S15-357-05
Fig. 00 | 
S15-357-06
Fig. 0 |
| 
S15-357-07
Fig. 1 | 
S15-357-08
Fig. 2 |



**Daubenspeck
Bone Curette**
20 cm

- | | |
|--|---|
| 
S15-358-01
2.8mm
Fig. 0000 | 
S15-358-02
3.6mm
Fig. 000 |
| 
S15-358-03
4.4mm
Fig. 00 | 
S15-358-04
5.2mm
Fig. 0 |



Bone Curette
25 cm
Straight

- | | |
|---|--|
| 
S15-359-01
3.6mm
Fig. 000 | 
S15-359-02
4.4mm
Fig. 00 |
| 
S15-359-03
5.2mm
Fig. 0 | 
S15-359-04
6.8mm
Fig. 1 |



**Scoville Bone
Curette**
25 cm

- | |
|--|
| 
S15-360-01
4x10mm
Straight |
| 
S15-360-02
4x10mm
Down Angle |
| 
S15-360-03
4x10mm
Up Angle |



**Bruns (Volkman)
Bone Curette**
Straight

- | | |
|---|--|
| 
Fig. 000
S15-361-01 20cm
S15-362-01 23cm | 
Fig. 00
S15-361-02 20cm
S15-362-02 23cm |
| 
Fig. 0
S15-361-03 20cm
S15-362-03 23cm | 
Fig. 1
S15-361-04 20cm
S15-362-04 23cm |
| 
Fig. 2
S15-361-05 20cm
S15-362-05 23cm | 
Fig. 3
S15-361-06 20cm
S15-362-06 23cm |
| 
Fig. 4
S15-361-07 20cm
S15-362-07 23cm | 
Fig. 5
S15-361-08 20cm
S15-362-08 23cm |
| 
Fig. 6
S15-361-09 20cm
S15-362-09 23cm | |



**Bruns (Volkman)
Bone Curette**
Curved

- | | |
|---|--|
| 
Fig. 000
S15-363-01 20cm
S15-364-01 23cm | 
Fig. 00
S15-363-02 20cm
S15-364-02 23cm |
| 
Fig. 0
S15-363-03 20cm
S15-364-03 23cm | 
Fig. 1
S15-363-04 20cm
S15-364-04 23cm |
| 
Fig. 2
S15-363-05 20cm
S15-364-05 23cm | 
Fig. 3
S15-363-06 20cm
S15-364-06 23cm |
| 
Fig. 4
S15-363-07 20cm
S15-364-07 23cm | 
Fig. 5
S15-363-08 20cm
S15-364-08 23cm |
| 
Fig. 6
S15-363-09 20cm
S15-364-09 23cm | |

Scharfe Löffel

cucharillas cortantes

Curettes tranchantes

Cucchiai taglienti



Brun's Bone Curette
23 cm

Fig.1
S15-371-01

Fig.2
S15-371-02

Fig.3
S15-371-03

Fig.4
S15-371-04

Fig.5
S15-371-05

Fig.6
S15-371-06

Fig.7
S15-371-07

Fig.8
S15-371-08

Fig.9
S15-371-09



Halle Bone Curette
Malleable
21cm

S15-372-01
Fig. 1
4mm

S15-372-02
Fig. 2
5mm

S15-372-03
Fig. 3
6mm



Simon Bone Curette
24cm

Fig. 0000
S15-373-01

Fig. 000
S15-373-02

Fig. 00
S15-373-03

Fig. 0
S15-373-04

Fig. 1
S15-373-05

Fig. 2
S15-373-06

Fig. 3
S15-373-07

Fig. 4
S15-373-08

Fig. 5
S15-373-09

Fig. 6
S15-373-10



Fig. 1
S15-374-01
S15-375-01

Fig. 2
S15-374-02
S15-375-02

Fig. 3
S15-374-03
S15-375-03

Fig. 4
S15-374-04
S15-375-04

Fig. 5
S15-374-05
S15-375-05

Fig. 6
S15-374-06
S15-375-06

Schroeder Bone Curette
25cm
S15-374-01 to
S15-374-06

Schroeder Bone Curette
30cm
S15-375-01 to
S15-375-06



Volkman Bone Curette
Oval, with fiber handle

S15-378-01
18.5 cm
Fig. 0000

S15-378-02
18.5 cm
Fig. 000

S15-378-03
18.5 cm
Fig. 00

S15-378-04
18.5 cm
Fig. 0

S15-378-05
18.5 cm
Fig. 1

S15-378-06
18.5 cm
Fig. 2

S15-378-07
19 cm
Fig. 3

S15-378-08
19 cm
Fig. 4

S15-378-09
19 cm
Fig. 5

S15-378-10
19 cm
Fig. 6

S15-378-11
27.5 cm
Fig. 0

S15-378-12
27.5 cm
Fig. 1

S15-378-13
27.5 cm
Fig. 2

S15-378-14
27.5 cm
Fig. 3

S15-378-15
27.5 cm
Fig. 4

Raspatorien
Periostótomos
Rugines-raspatoires
Periostotomi


Obwegeser-Freer Elevator
S15-384-21
 21 cm



Obwegeser-Freer Elevator
S15-385-21
 21 cm



Freer Elevator
S15-387-18
 18.5 cm
 double ended
 5 mm sharp end
 5 mm blunt end



Molt Periosteal elevator
S15-390-01
 18cm



Molt
S15-390-02
 18cm



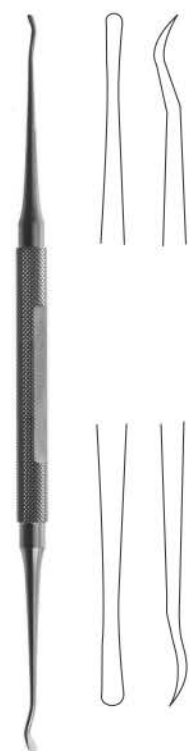
Molt
S15-390-03
 18cm



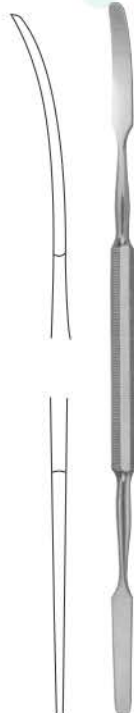
Molt
S15-390-04
 18cm



Mead
S15-393-16
 16,5cm



Kleinert Kutz Elevator and Dissector
S15-394-19
 19.5 cm
 2 mm x 3 mm Sharp ends



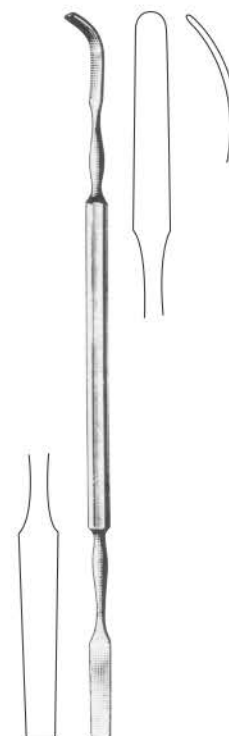
MacDonald
S15-395-19
 19cm



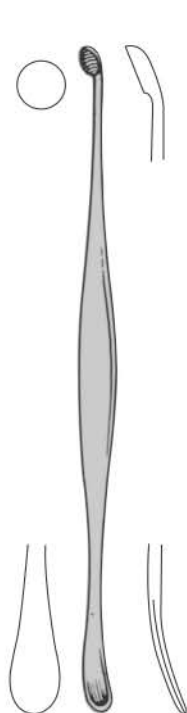
Mc Donald Elevators
S15-396-19 19 cm
 double ended



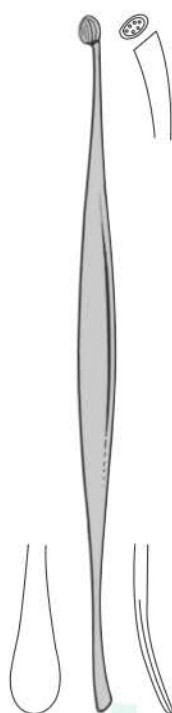
Watson-Cheyne Elevators
S15-397-19 19 cm
 double ended



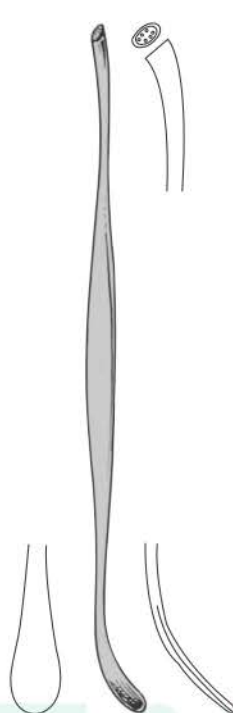
Cohen
S15-398-24
 24cm

Raspatorien
Periostótomos
Rugines-raspatoires
Periostotomi


Penfield Elevators
S15-401-01
 style #1
 17.5 cm
 double ended



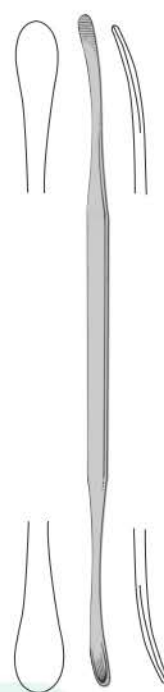
Penfield Elevators
S15-401-02
 style #2
 18.5 cm
 double ended



Penfield Elevators
S15-401-03
 style #3
 18.5 cm
 double ended



Penfield Elevators
S15-401-04
 style #4
 18.5 cm
 single ended



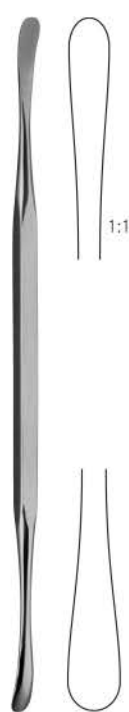
Penfield Elevators
S15-401-05
 style #5
 18.5 cm
 double ended



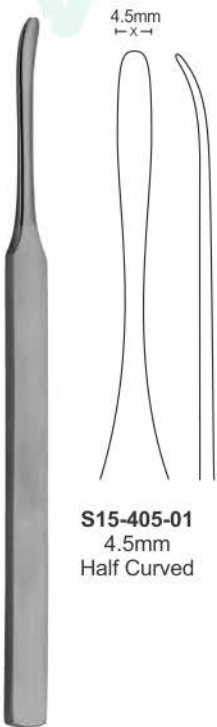
Howarth Periosteal Elevator
S15-402-21
 21.5cm
 Sharp / Blunt



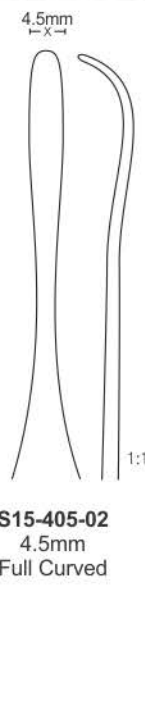
Sachs Nerve Elevator
S15-403-18
 18.5 cm
 3 mm blunt



Alderdyce Elevators
S15-404-21 21.5 cm
 double ended



S15-405-01
 4.5mm
 Half Curved



S15-405-02
 4.5mm
 Full Curved



Obwegeser Elevator



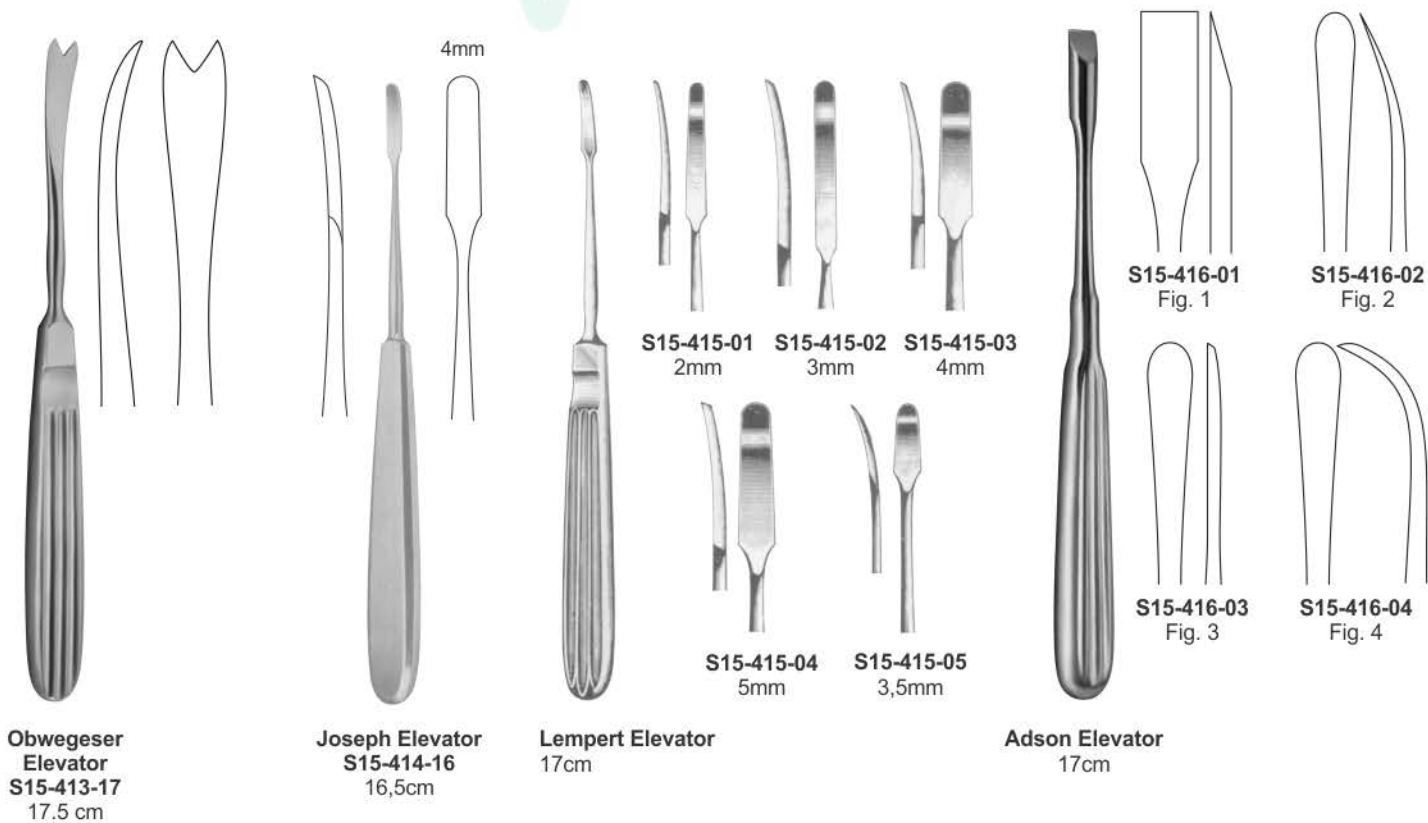
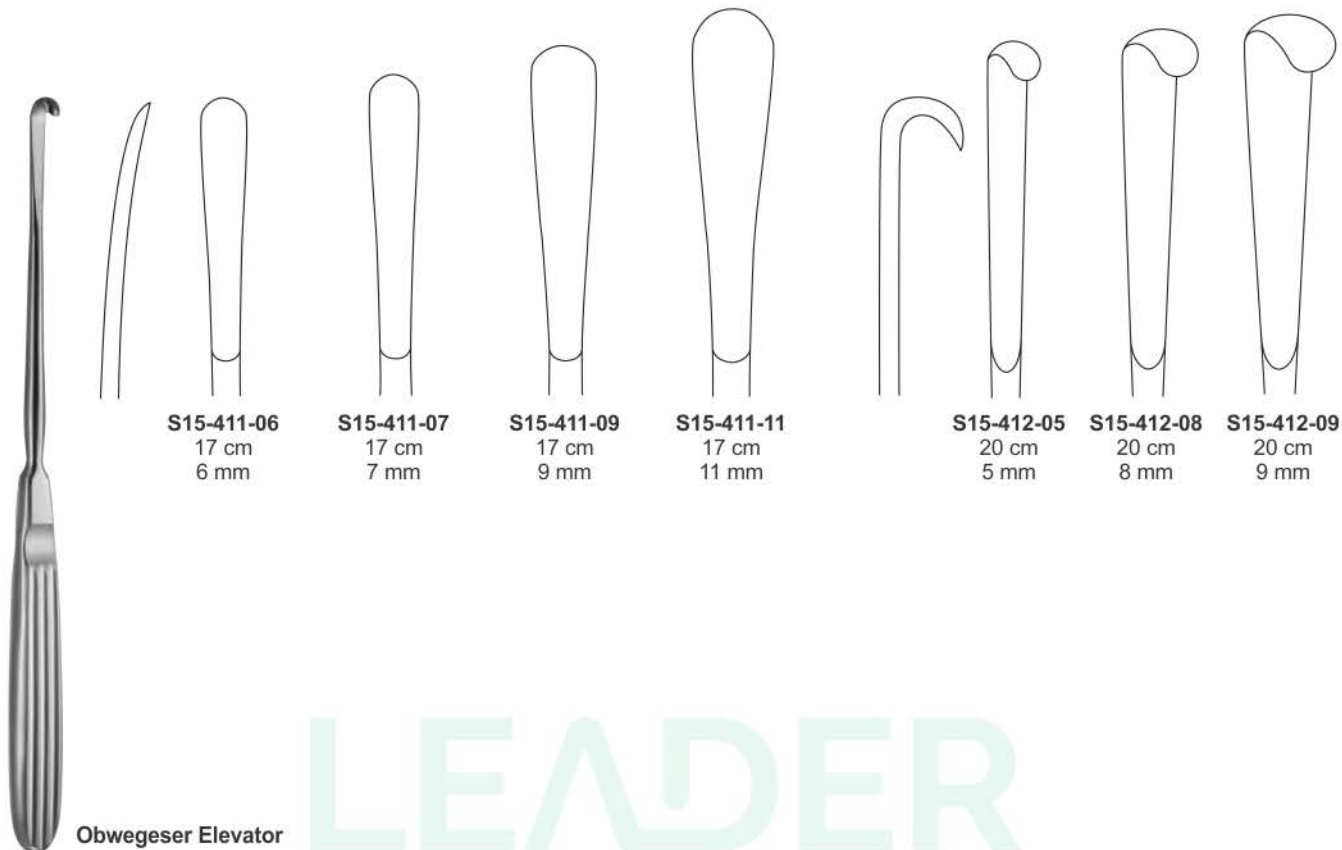
S15-406-01
 15cm
 2.5mm



S15-406-02
 15cm
 4.5mm

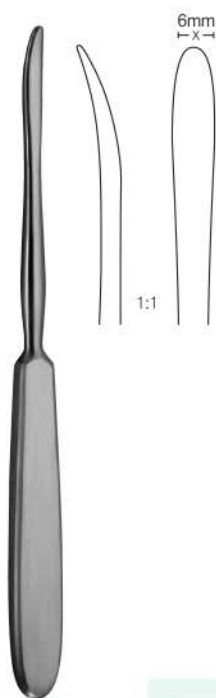


Carroll Periosteal Elevator
S15-407-14 14 cm
 sharp, double ended
 3 mm round end,
 10 mm flat end

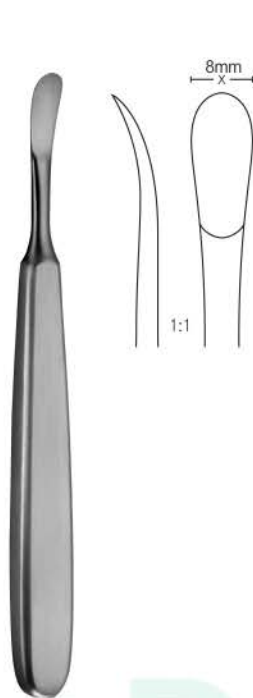


Raspatorien
Rugines-raspatoires
Periostótomos
Periostotomi


Sedillot Elevator
S15-421-19
19cm



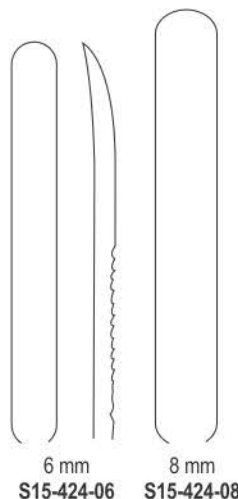
Quervain Elevator
S15-422-19 6mm
19.5cm



Trelat Elevator
S15-423-15 8mm
15cm



Periosteal Elevator
S15-424-06
17 cm



6 mm
S15-424-06
8 mm
S15-424-08



Sedillot Elevator
S15-425-21 21cm



Langenbeck Periosteal Elevator
S15-426-15 15 mm
19 cm
sharp, slightly curved



S15-427-07
7mm



S15-427-10
10mm



Langenbeck Periosteal Elevator
S15-429-19 sharp edge
S15-430-19 blunt edge



Langenbeck Periosteal Elevator
S15-431-23
23cm



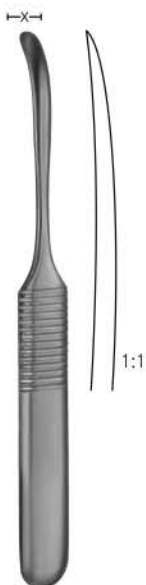
Langenbeck Periosteal Elevator
S15-432-18
18cm



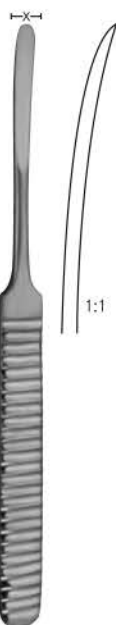
Langenbeck Periosteal Elevator
S15-433-19 19cm

Raspatorien
Rugines-raspatoires
Periostótomos
Periostotomi


Crego Periosteal Elevator
S15-436-15
15.5cm



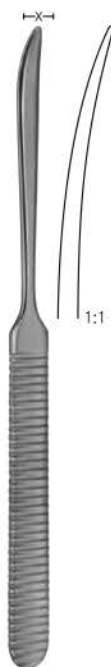
Williger Elevator
S15-437-13 13cm
5mm



Williger Elevator
S15-438-04 4mm
S15-438-06 6mm
16cm



Williger Elevator
S15-439-01 16cm
5mm



Williger Elevator
S15-439-02 16cm
6.5mm



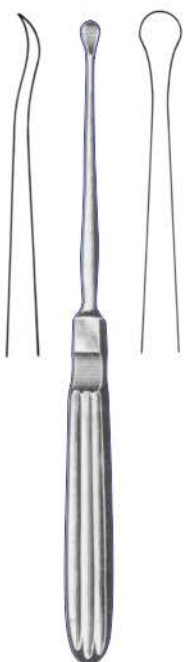
Kahre-Williger
16cm



S15-440-04
4mm



S15-440-05
5mm



Ward
S15-441-19
19cm



Farabeuf-Collin Elevator
S15-443-11
16cm
11mm
Straight



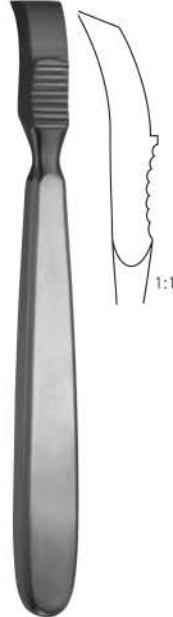
Farabeuf-Collin Elevator
S15-444-11
16cm
11mm
Curved



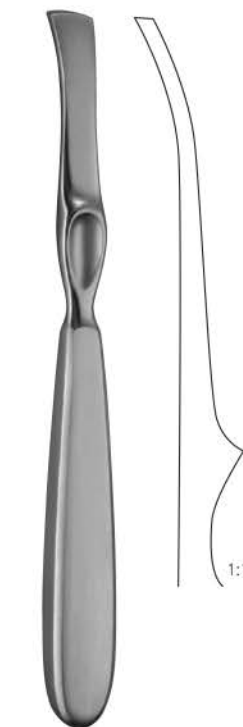
Farabeuf Elevator
S15-445-15
15cm
Straight



Farabeuf Elevator
S15-446-15
15cm
Curved



Lambotte Elevator
S15-447-05 5mm
S15-447-10 10mm
S15-447-15 15mm
S15-447-20 20mm
S15-447-25 25mm
21cm Straight



Lambotte Elevator
S15-448-05 5mm
S15-448-10 10mm
S15-448-15 15mm
S15-448-20 20mm
S15-448-25 25mm
21cm Curved

Raspatorien
Rugines-raspatoires
Periostótomos
Periostotomi


Henahan
17cm
semi-sharp

Hoen Periosteal Elevator
Semisharp

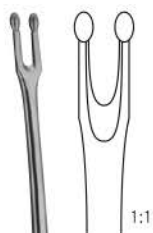
Cushing Periosteal Elevator 15 mm
S15-453-01 Round Edge
S15-453-02 Square Edge
18 cm

Cushing Periosteal Elevator
19 cm
S15-454-01 Left
S15-454-02 Right

Chandler Bone Elevator
S15-455-19 19 cm
13 mm
S15-455-20 20 cm
20 mm
S15-455-23 23 cm
25 mm
S15-455-25 25 cm
31 mm



Obwegeser Elevator
S15-459-18
18.5cm



Obwegeser - Freer Osteotome Elevator
S15-460-18
18.5cm



Semb Periosteal Elevator



S15-461-01
17.5cm
12mm



S15-461-02
21cm
12mm



S15-461-03
17.5cm
12mm



S15-461-04
21cm
13mm



S15-461-05
22.5cm
13mm



S15-461-06
22.5cm
15mm

Raspatorien
Periostótomos
Rugines-raspatoires
Periostotomi


Alexander Periosteal Elevator
S15-462-20 20cm



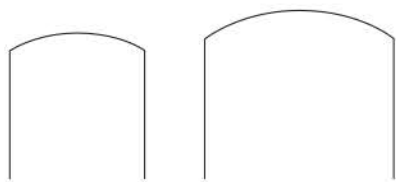
Key Periosteal Elevator
slightly curved
Hexagonal Handle
sharp



S15-466-08
18cm
8mm

S15-466-10
19cm
10mm

S15-466-12
19cm
12mm

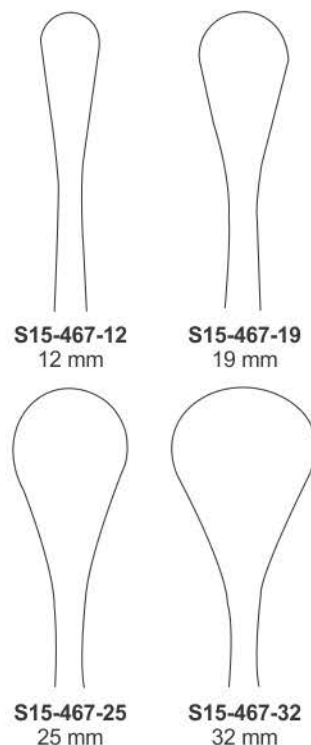


S15-466-19
20cm
19mm

S15-466-25
21cm
25mm



Cobb Periosteal Elevator
23.4 cm
Hexagonal Handle
sharp



S15-467-12
12 mm

S15-467-19
19 mm

S15-467-25
25 mm

S15-467-32
32 mm



Raspatries
S15-471-28
28cm



Harrington Spinal Elevator
S15-472-30 30 cm
19 mm tip width
Sharp



Cobb Modif.
28 cm
Round Handle



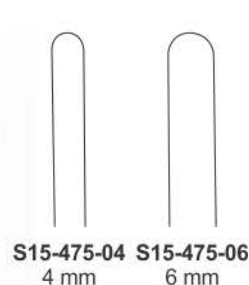
S15-473-07 7 mm
S15-473-09 9 mm



S15-473-11
11 mm



Cobb Periosteal Elevator
S15-474-10 10mm
S15-474-13 13mm
S15-474-19 19mm
29cm
Spinal raspatory



S15-475-04 4 mm
S15-475-06 6 mm



S15-475-08
8 mm



Cobb Modif.
28 cm
Round Handle

Raspatorien
Periostótomos

Rugines-raspatoires
Periostotomi



Raspatories
S15-481-20 20cm
Medium straight
blade round edge,
width 14mm

Raspatories
S15-482-20 20cm
Large straight
blade round edge,
width 20mm

Raspatories
S15-483-20 20cm
Medium curved
blade round edge,
width 14mm

Raspatories
S15-484-20 20cm
Large curved
blade round edge,
width 20mm

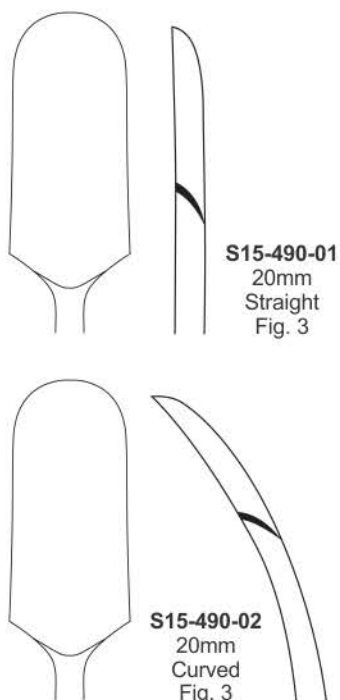
Raspatories
S15-485-28
28cm

Periosteal Elevator
S15-486-18 18 cm
FiberHandle
blade 6mm

Periosteal
Raspatories
S15-487-18
18.5cm
Curved



Ferozell Periosteal Elevator
20cm

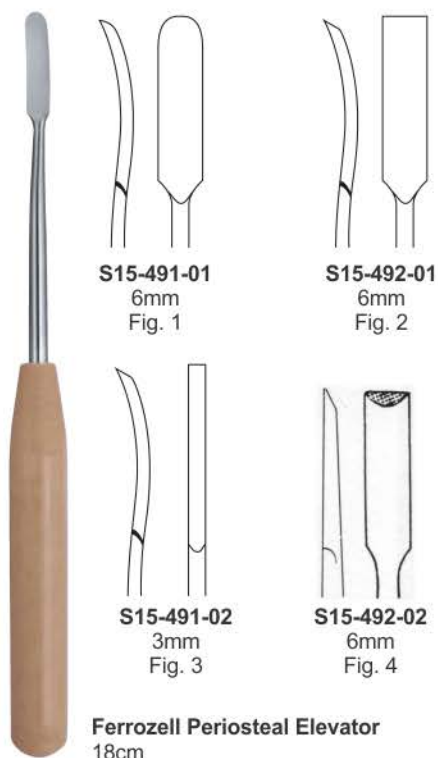


S15-489-01
14mm
Straight
Fig. 1

S15-489-02
14mm
Curved
Fig. 2

S15-490-01
20mm
Straight
Fig. 3

S15-490-02
20mm
Curved
Fig. 3



S15-491-01
6mm
Fig. 1

S15-492-01
6mm
Fig. 2

S15-491-02
3mm
Fig. 3

S15-492-02
6mm
Fig. 4

Ferozell Periosteal Elevator
18cm

Periosteheber, Rippenraspatorium

Elevadores de periostio, raspador de costillas

Élévateurs périostés, râpe à côtes

Ascensori periostale, Raspatory costale



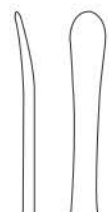
Sayre Periosteal Elevator
S15-496-17 17 cm
one straight blunt
and one curved sharp



Pennybacker Periosteal Elevator
S15-497-17 6 mm
17 cm
sharp, curved



Sebileau Periosteal Elevator



S15-498-17
17.5 cm



Darrach Elevator
S15-498-26 26cm 19mm
S15-498-35 35cm 25.4mm
Blunt, Slightly Curved



JANSEN
S15-500-16
16.5cm



SCHNEIDER
S15-501-17
17.5cm



SCHNEIDER-SAUERBRUCH
S15-502-19
19cm



St. Thomas
S15-503-16
16 cm
Pointed



St. Thomas
S15-504-16
16 cm
Rounded



Robinson's
S15-505-17
17 cm



Doyen Rib Raspatory
18 cm



S15-509-01
Right Curved
For Adults



S15-509-02
Right Curved
For Children



S15-510-01
Left Curved
For Adults



S15-510-02
Left Curved
For Children



Doyen Rib Raspatory
17 cm



Lane Bone Elevator
S15-303-16 16 cm
Serrated



Trethowan's Bone Elevator
S15-304-22 22 cm



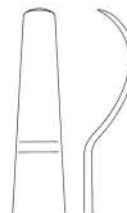
Bristow's Bone Lever
S15-292-23
23cm



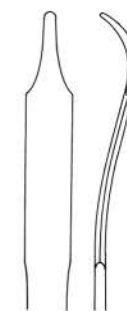
Lane Bone Elevator
S15-293-27 27 cm



S15-289-02
14cm



Mini-Hohmann
16cm



S15-285-06



S15-285-08



Hohmann
S15-311-08
8mm



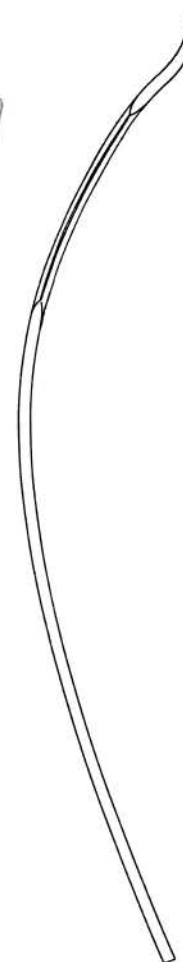
Hohmann
S15-312-18
18mm



Hohmann
S15-313-43
43mm



Hohmann
S15-313-70
70mm





Hohmann
S15-315-01
43mm

Hohmann
S15-315-02
22mm

Hohmann
S15-315-03
33mm

Hohmann
S15-315-04
24mm

Lange-Hohman
S15-315-05
22mm

Meniskotome

Bistouries a menisques

Bisturies para meniscos

Bisturi per menisco



Freer D Septum Knife
S15-521-15 15cm



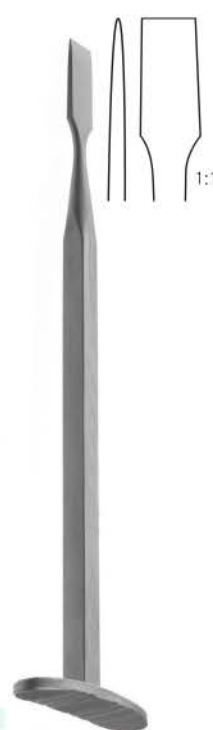
Bircher Meniscotomy Knife
S15-522-19 19cm



Downing Cartilage Knife
S15-523-25 25.5cm
Curved tip, Straight shaft



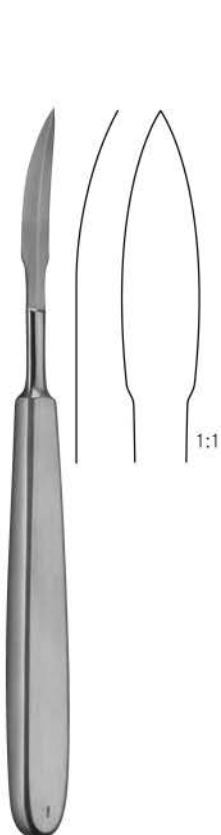
Matson Meniscotomy Knife
S15-526-22 22 cm



Smillie Meniscotomy Knife
S15-527-16
16cm Straight Shaft
Blade tip width is 7.8mm
Straight tip



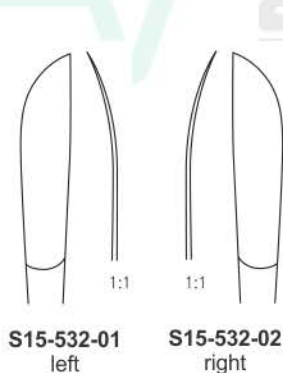
Smillie Meniscotomy Knife
S15-528-16
16cm Curved Shaft
Blade tip width is 7.8mm
Curved left tip



Meniscotomy Knife
S15-531-18 18cm

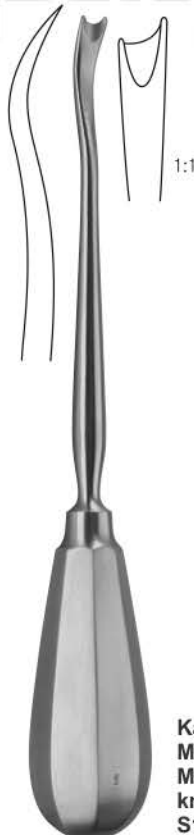


Neff Meniscotomy Knife
22cm



S15-532-01
left

S15-532-02
right



Kanadisches Modell Meniscotomy knife
S15-533-01 20cm



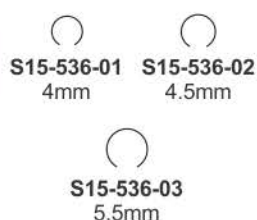
Kanadisches Modell Meniscotomy knife
S15-533-02 20cm

Sehnenstripper

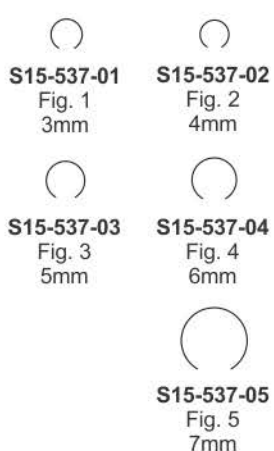
Instruments a ecorcher les tendons

enucleadores de tendones

Scollatendini



Bunnell Tendon Strippers
23cm
Malleable shaft



Bunnell Tendon Strippers
15.2cm



Fischer Tendon Strippers
S15-538-31
31cm



Bunnell Tendon Strippers
S15-539-23 23cm
Tendon passer



Kleinert-Kutz Tendon Retriever
S15-543-20 20cm
Serrated



Kleinert-Kutz Tendon Retriever
S15-544-20 20cm
Serrated, flexible shaft



Brand Tendon Tunelling Forceps

S15-545-15 15 cm
S15-545-19 19 cm
S15-545-24 24 cm
Straight, serrated
2 x 3 teeth

Nagelextraktion, Nagelbohrer & Ringschneider

Extracción de uñas, taladros de uñas y cortador de anillos

Extraction d'ongles, perceuses à ongles et coupe-anneaux

Estrazione delle unghie, frese per unghie e taglia-anelli



Nail Extracting Forceps
S15-548-14 14 cm



Nail Extracting Forceps
S15-549-14 14.5 cm



Nail Extractor
S15-550-16 16 cm
with Longitudinal Groove
(for Intramedullary Gliding Nails)



Nail Splitting Forceps
S15-551-13
13.5 cm



Finger Nail Drill
with 3 drill points
S15-554-00

S15-554-01 S15-554-02 S15-554-03

Drill points only



Ring Cutter
S15-556-17
17 cm



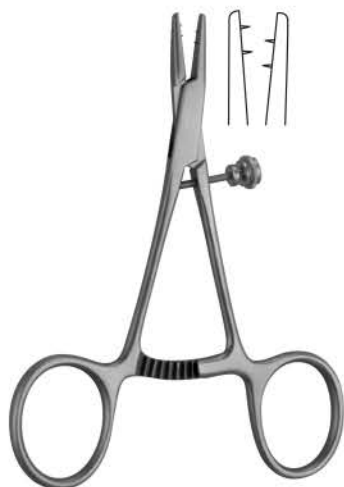
Saw Blade Only
for S15-556-01



Ring Cutter
S15-557-17
17 cm



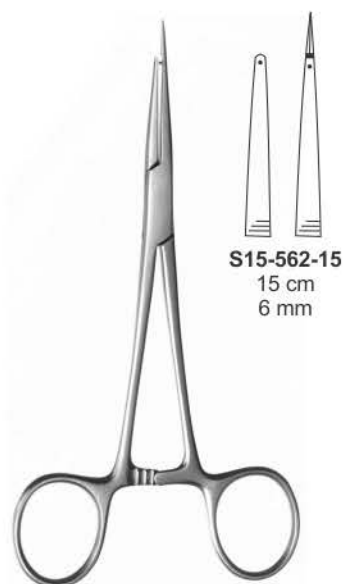
Saw Blade Only
for S15-557-01



Tendon Tunelling Forceps
S15-560-13 13cm



Tendon Tunelling Forceps



Tendon Tunelling Forceps



Brand Tendon Forceps
S15-563-15 15 cm
S15-563-19 19 cm
S15-563-24 24 cm



Carroll Tendon Forceps
S15-564-13 13 cm
Curved Shaft
2 mm x 6 mm



Lead Hand
S15-567-00
Adult Size



S15-571-14
14 cm
Cross serrated

Flat Nose Pliers



S15-572-19
19 cm
Serrated

Flat Nose Pliers



Flat Nose Pliers
S15-573-13
13.5cm
Broad, 4mm tip,



Flat Nose Plier
S15-574-18
18 cm



Needle Nose Pliers
S15-575-13 13.5cm



Flat Nose Pliers
S15-576-15
15cm Delicate, 1.5mm tip



K-Wire Extraction Pliers
W/Screw Lock
S15-579-13
13cm 3mm tip



Pin Puller W/ Groove TC
S15-580-14 14cm



**Synthes Insertor/Extractor
with Adjustable Clamps
S15-581-00**



**Extractor Plier
S15-582-13 13 cm**



**Rounded Pliers
S15-583-15 15cm
with Serrated jaw**



**Plier
S15-584-15 15cm
with serrated
jaw & without groove**



**Plier
S15-585-15 15cm
with serrated
jaw & groove**



**Wire Bender
S15-586-20
20cm**



Flat Nose K-Wire Pliers
S15-587-14 14 cm
S15-587-17 17 cm



Utility Technical Forceps Pliers
S15-589-19 19cm adjustable



Vital Heavy Duty Pliers TC
S15-590-22 22cm
Grip Forceps, Combined with cutter



Vital Wire Extraction Pliers T.C
S15-592-05 5mm
S15-592-07 7mm
18cm



Flat Nosed Plier
S15-595-18 18 cm
parallel, with lateral wire cutter



Needle-Nose Locking Pliers
S15-596-01



Needle-Nose Locking Pliers
S15-597-01



Needle-Nose Locking Pliers
S15-598-01



Wire Bending Forceps
S15-601-18 18.5cm



Flat Nose Plier
S15-602-18 18.5cm
 parallel grip, incorporated
 cutter, for hard wires up to
 1.6mm



Hercules Type Wire Cutter
S15-603-18
 18cm



Locking Plier
S15-607-22 22cm
S15-607-25 25cm
S15-607-30 30cm
 Locking Plier, only
S15-608-30 30cm
 with holding pins
S15-608-46 46cm
 with extraction device



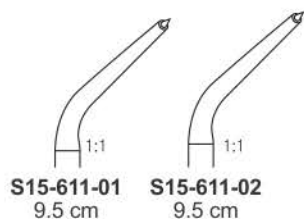
Locking Plier
S15-604-18 18cm
S15-604-20 20cm
S15-604-24 24cm



Plate Bending Plier
S15-605-20 20cm
 for plates up to 2.7mm
S15-605-24 24cm
 for plates up to 4mm



Hercules Type Wire Cutter
S15-606-28
 28cm



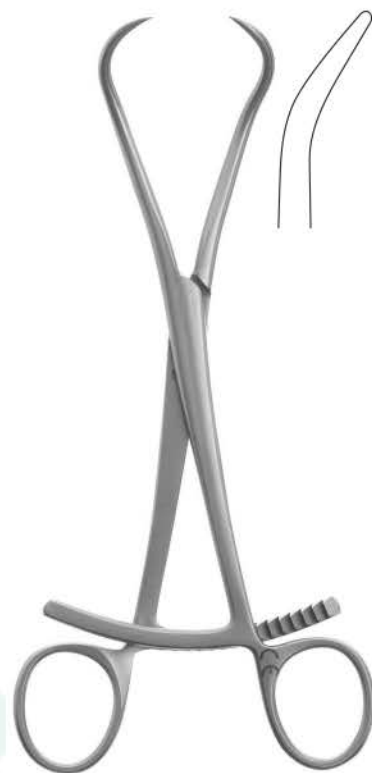
Bone Holding forceps



Bone Reduction Forceps
S15-612-13 13.5 cm



Bone Reduction Forceps
S15-613-13 13.5 cm
for maxillary reposition



Bone Reduction Forceps
S15-614-20 20 cm
Pointed tips



Stagbeetle Bone Reduction Forceps
S15-615-13
Pointed tips, 13 cm



Haase
S15-616-16 16.5 cm
for mandibular fractures



Reill Bone Holding Forceps
S15-617-17 17 cm



Glenoid Perforating Forceps
S15-618-17 17 cm
Lightly curved, pointed tips
Strongly curved, pointed tips

Knochenhaltezaugen - Repositionszangen

Pinzas para huesos - pinzas para reposicion

Daviers porte-so-pinces de reposition

Tenaglie per ossa - Pinze per riposizioni



Bone Reduction Forceps
S15-621-14 14cm



Locke Phalangeal Forceps
S15-622-14 14cm



Lewin Perforating Bone Holding Forceps
S15-623-17 17.5cm
serrated



S15-624-13
13.5 cm
Angled Serrated

Bone Reduction Orthopedic Forceps



Bone Reduction Forceps
S15-625-14 14 cm Curved
S15-626-15 15 cm Serrated



Bone Reduction Forceps, Pointed Tips
S15-627-14 14 cm Serrated
S15-628-14 14 cm Curved
S15-628-17 17 cm Curved



Malleolar Bone Holding Forceps
S15-629-21 21 cm
Straight, 1 x 1 teeth

Knochenhaltezen - Repositionszangen

Pinzas para huesos - pinzas para reposicion

Daviers porte-so-pinces de reposition

Tenaglie per ossa - Pinze per riposizioni



Plate & Bone Holding Forceps
S15-633-14 14 cm



Plate & Bone Holding Forceps
S15-634-14 14 cm
Curved



Fibula Bone Holding Forceps
S15-635-22 22 cm



**Wilkinson Orthopaedic
Locking Forceps**
S15-636-21 21.5 cm
Straight, 1 x 1 teeth



Bone Holding Forceps
S15-637-01



Bone Holding Forceps
S15-638-01



Bone Holding Forceps
S15-639-01



Meniscus Clamp
S15-642-01 13.5cm
Serrated



Meniscus Clamp
S15-642-02 13.5cm
Angled 20°, serrated



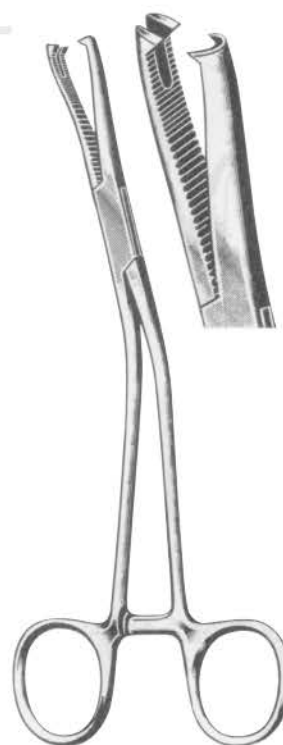
Meniscus Clamp
S15-643-18 18cm
Straight, Curved shaft



Preston Logamentum
Flavum Forceps
S15-644-19 19 cm
Curved, 1 x 2 teeth



Dingman
Bone Holding Forceps
light pattern, angled to side.
S15-645-01
19cm



Dingman
Bone Holding Forceps
heavy pattern, one jaw slotted
angled to side,
S15-645-02
19cm



**Martin Cartilage Bone Holding
Clamp Forceps**
S15-646-19 19 cm
Straight

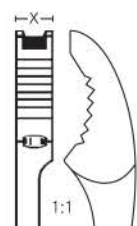
Bircher-Ganske
20cm
Bone Holding Forceps

**Verbrugge Bone Holding
Forceps**
S15-651-18 18 cm

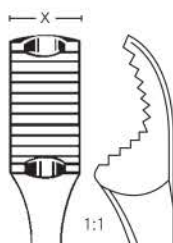
**Verbrugge Bone Holding
Forceps**
S15-652-25 25 cm
S15-652-26 26 cm
S15-652-27 27 cm



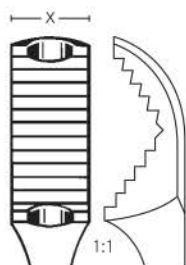
Verbrugge Bone Holding Forceps



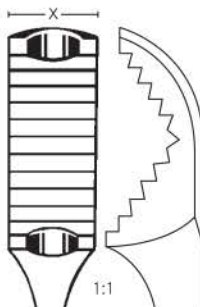
S15-653-05
17.5 cm
5.0mm



S15-653-09
25 cm
9.5mm



S15-653-10
26 cm
10.5mm



S15-653-12
27 cm
12mm



**Verbrugge Bone Holding
Forceps**
S15-654-18 18 cm

Knochenhaltezaugen
Daviers porte-so

Pinzas para huesos
Tenaglie per ossa



Pelvic Reposition Forceps
S15-657-19 19 cm
S15-657-23 23 cm



Pelvic Reposition Forceps
S15-658-25 25 cm



Pelvic Reposition Forceps
S15-659-25 25 cm
3 Balls Spikes



Pelvic Reposition Forceps
S15-660-40 40 cm



Pelvic Reposition Forceps
S15-661-40 40 cm



Pelvic Reduction Forceps Asymmetric
S15-662-25 25 cm
with 3 ball Spikes



Pelvic Reduction Forceps Asymmetric
S15-663-25 25 cm



Pelvic Reduction Forceps Asymmetric
S15-664-40 40 cm



S15-665-16
Forceps with
thread fixation
16cm

S15-666-22
Forceps with
thread fixation
22cm

Patella Malleolar Forceps
S15-667-21 21 cm

Reduction Forceps
S15-668-16 16 cm
S15-668-24 24 cm
with Thread Lock

Reposition Forceps
S15-669-23 23 cm



Pelvic Reposition Forceps
19 cm
S15-671-01 3,5 mm for Screws
S15-671-02 4,5 mm for Screws

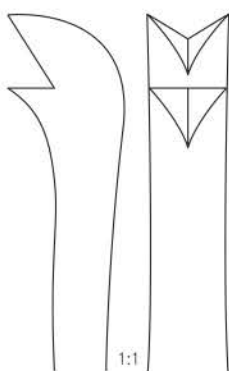
Bone Holding Forceps
S15-672-01

Lane Bone Holding Forceps
S15-673-31 31.5 cm
S15-673-39 39 cm

Subacromion Spreader
S15-674-01 27cm Right
S15-674-02 27cm Left

Knochenhaltezaugen
Daviers porte-so
Pinzas para huesos
Tenaglie per ossa


Fergusson Bone Holding Forceps
S15-678-21 21 cm
 2 x 2 teeth



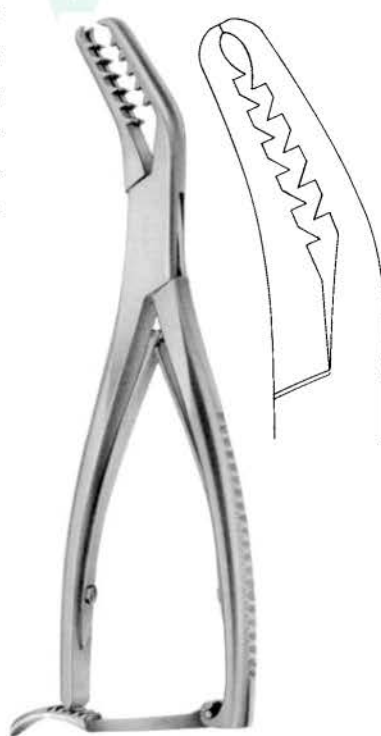
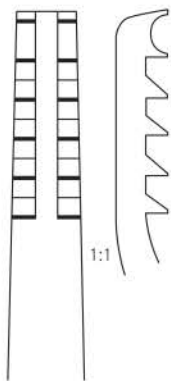
Van Buren Sequestrum Forceps
S15-679-23 23 cm
 Curved on side, serrated



Langenbeck Bone Holding Forceps
S15-680-21 21 cm



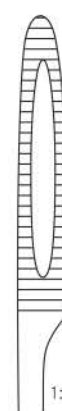
Semb Bone Holding Forceps
S15-681-19 19 cm without ratchet
 curved sideways deep teeth



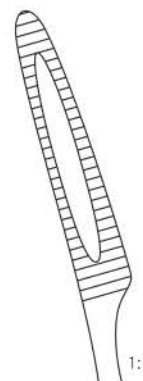
Semb Bone Holding Forceps
S15-682-20 20.3cm with ratchet
 curved sideways deep teeth



Sequestrum (Nircosis) Bone Holding Forceps



S15-683-18 18 cm
S15-683-20 20 cm
S15-683-23 23 cm
 straight



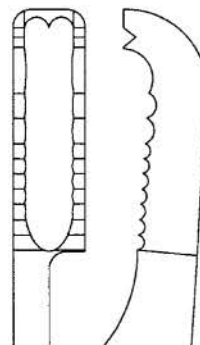
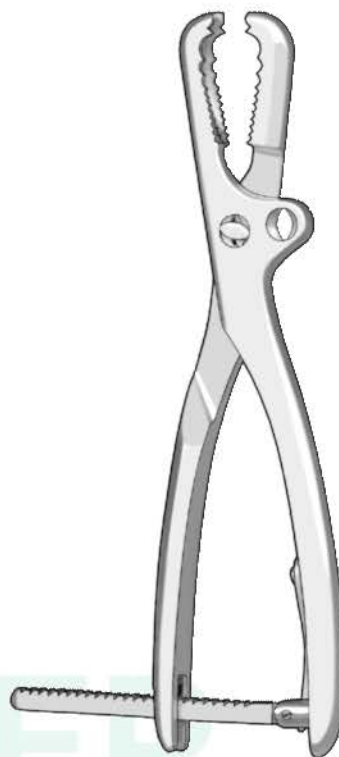
S15-684-18 18 cm
S15-684-20 20 cm
S15-684-23 23 cm
 angled on flat



Farabeuf Bone Holding Forceps
SS15-685-23 23 cm
SS15-685-26 26 cm
with adjustable jaw



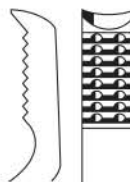
Farabeuf-Lambotte Bone Holding Forceps
SS15-686-26 26 cm
with adjustable jaw



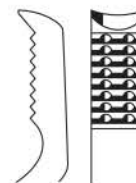
Farabeuf-Lambotte Bone Holding Forceps
SS15-687-26 26 cm
with adjustable jaw



Bishop Bone Clamp
SS15-688-22 22.5cm
Straight



Kern Bone Holding Forceps
SS15-689-17 17 cm
SS15-689-24 24 cm
without ratchet



Kern Bone Holding Forceps
SS15-690-17 17 cm
SS15-690-24 24 cm
with ratchet


Hey Groves Bone Holding Forceps

S15-692-21 21 cm
 S15-692-27 27 cm
 S15-692-30 30 cm


Lane Bone Holding Forceps

S15-693-01 33 cm 11 mm tip
 S15-693-02 33 cm 13 mm tip
 S15-693-03 43 cm 13.5 mm tip
 with Ratchet


Lane Bone Holding Forceps

S15-694-01 33 cm 10 mm tip
 S15-694-02 33 cm 13 mm tip
 S15-694-03 43 cm 12 mm tip
 without ratchet


Lambotte Bone Holding Forceps

S15-697-22 22 cm
 S15-697-27 27 cm
 S15-697-30 30 cm
 One Jaw Mobile
 adjustable jaw


Lambotte Bone Holding Forceps
 Self-Centering, with speed lock

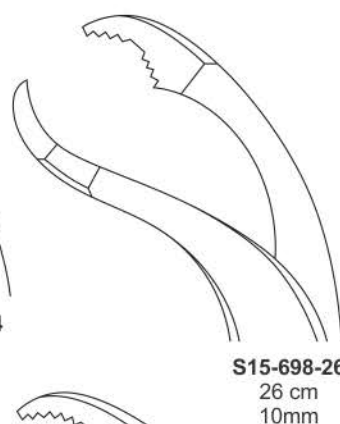

S15-698-15
 15 cm
 2.5mm



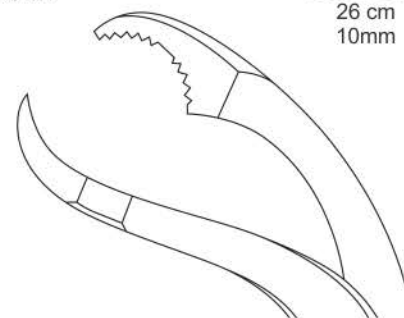
S15-698-19
 19 cm
 6.5mm



S15-698-24
 24 cm
 9.5mm



S15-698-26
 26 cm
 10mm



S15-698-28
 28 cm
 11mm



LAMBOTTE
S15-699-22 - S15-699-33



S15-699-22
22.5cm



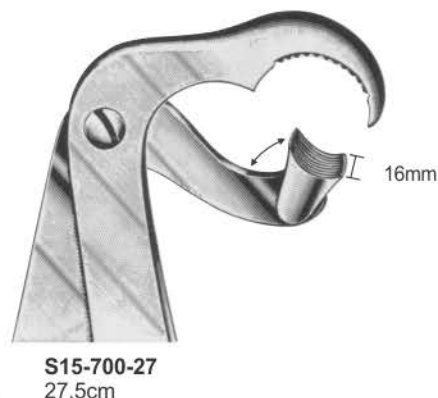
S15-699-26
26.5cm



S15-699-33
33cm



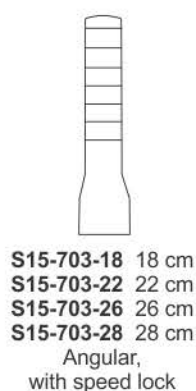
S15-700-22
22cm
adjustable



S15-700-27
27.5cm



Ulrich Bone Holding
Forceps



S15-703-18 18 cm
S15-703-22 22 cm
S15-703-26 26 cm
S15-703-28 28 cm
Angular,
with speed lock



S15-704-23 23cm
S15-704-25 25cm
S15-704-28 28cm
Ulrich Bone Holding forceps
straight



S15-704-23
S15-705-23



S15-704-25
S15-705-25



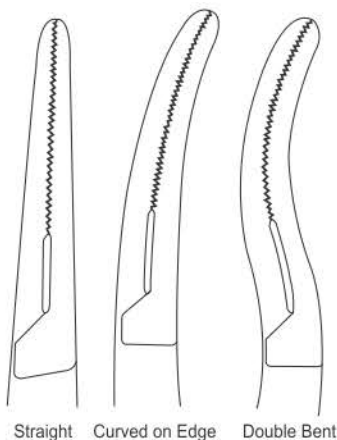
S15-704-28
S15-705-28



S15-705-23 23cm
S15-705-25 25cm
S15-705-28 28cm
Ulrich Bone Holding Forceps
angled to side

Knochenhaltezange & Drahtzange
Pinces à os et pincers à fil

Fórceps de sujeción de huesos y fórceps de alambre
Knochenhaltezange & Drahtzange

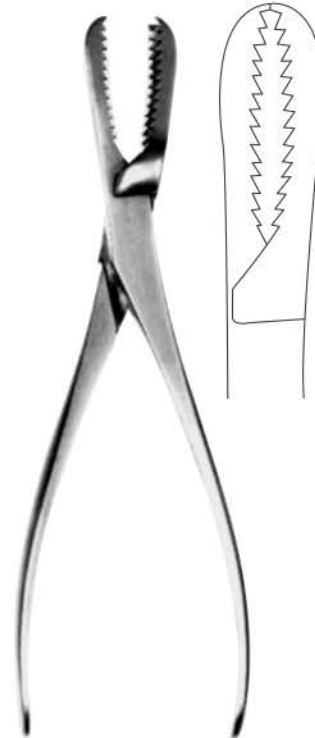


Straight Curved on Edge Double Bent

Collin Bone Holding Forceps
20 cm
S15-707-01 Straight
S15-707-02 Curved on Edge
S15-707-03 Double Bent



Collin Bone Holding Forceps
S15-708-19 19 cm
Lion Jaw



Collin Bone Holding Forceps
S15-709-19 19.5 cm
Toothed Jaw



S15-712-01
Set includes:
Hooked Jaws: 1 pair
Serrated Jaws: 3 pairs
Sizes: 32, 51 and 57 mm



Charnley's Bone Holding Forceps
S15-712-00
With One Pair Hooked Jaws
Three Pairs Serrated Jaws



Kirschner Wires
S15-716-17 17 cm
For fingers, with drill
Guide up to 1 mm



Wire Forceps
S15-717-17 17 cm
Straight, serrated 5.4 mm tip

Knochenhalteklammern
Pincers à os

Abrazaderas de sujeción de huesos
Morsetti portaossa



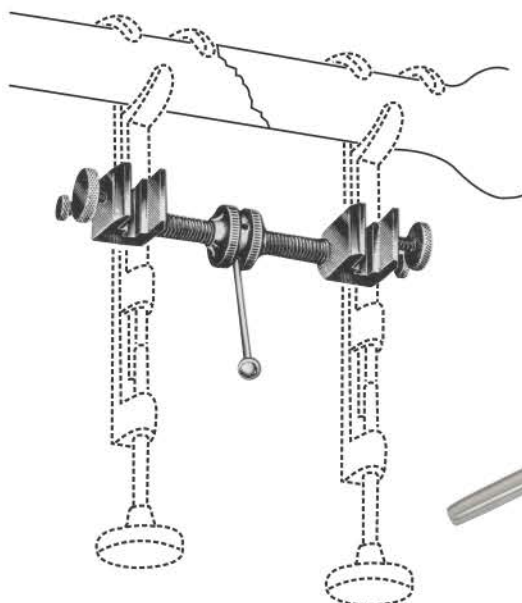
Lowmann Bone Clamp
S15-720-14 14cm
S15-720-18 18cm 28mm
S15-720-20 20cm 35mm
S15-720-22 22cm 40mm
1x2 Jaws



LOWMAN-GERSTER
S15-721-20 20cm



LOWMAN-HOGLUND
S15-722-19 19cm



Gerster Bone Holding Clamp
S15-723-15 15cm



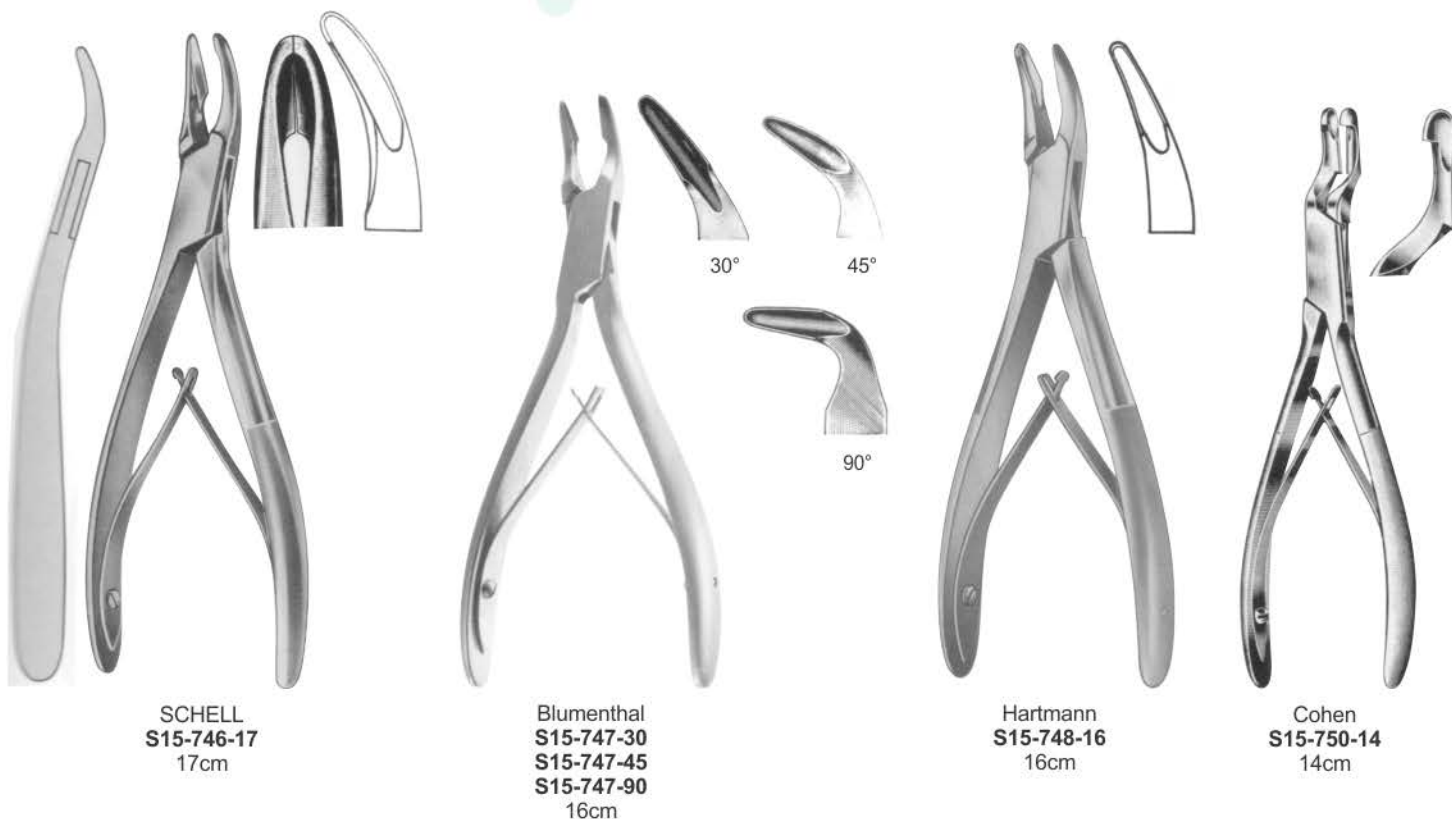
Gerster Bone Holding Clamp
S15-725-02



Parham-Martin Bone Clamp
S15-727-21
21cm
Straight



Parham Martin Bands
S15-728-19
19cm

Hohlmeißelzangen
Pinzas gubias
Pinces-gouges
Pinze-sgorbie


Hohlmeißelzangen
Pinzas gubias

Pinces-gouges
Pinze-sgorbie



LUER
S15-753-15
15cm



LUER
S15-754-15
15.5cm



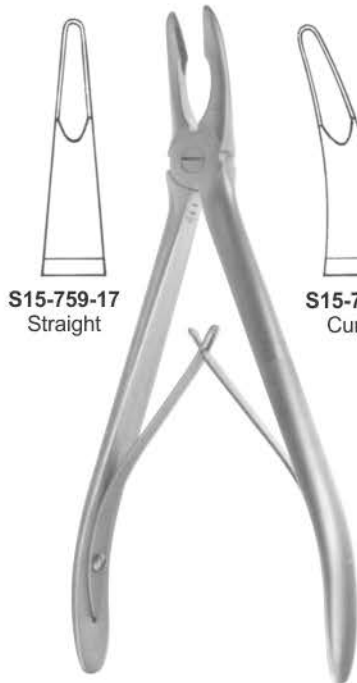
JANSEN
17.5cm



S15-755-17 S15-756-17



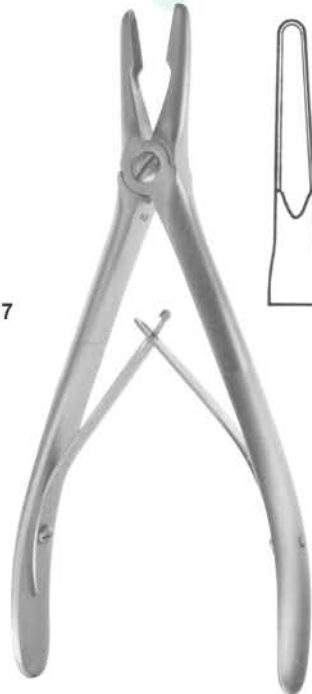
JANSEN
S15-758-18
18cm



S15-759-17
Straight



S15-760-17
Curved



JANSEN
17,5cm



BEYER
18cm



S15-762-02 2mm
S15-762-03 3mm



LEMPERT
19cm



S15-763-19 S15-764-19

ZAUFAL
S15-761-18
18cm

Hohlmeißelzangen

Pinzas gubias

Pinces-gouges

Pinze-sgorbie



HAKANSSON
S15-766-15
15.5cm



BANE-HARTMANN
S15-767-17
17.5cm



Defourmentel Rongeurs
S15-768-19
slender beaks, straight,
jaws 3mm wide,
19cm



Cottle-Jansen Rongeurs
S15-769-18
S-shaped, jaws 4mm wide,
18cm



Olivecrona
S15-770-20
20cm



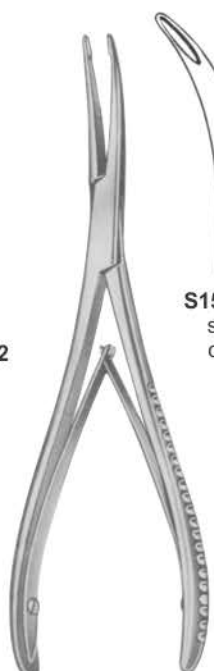
Kleinert-kutz Synovectomy
Rongeurs jaws 2mm wide
14cm



S15-773-01
slightly
curved



S15-773-02
fully
curved



STELLBRINK Synovectomy
Rongeurs jaws 2mm wide
17cm



S15-774-01
slightly
curved



S15-774-02
fully
curved



Fisch
17cm



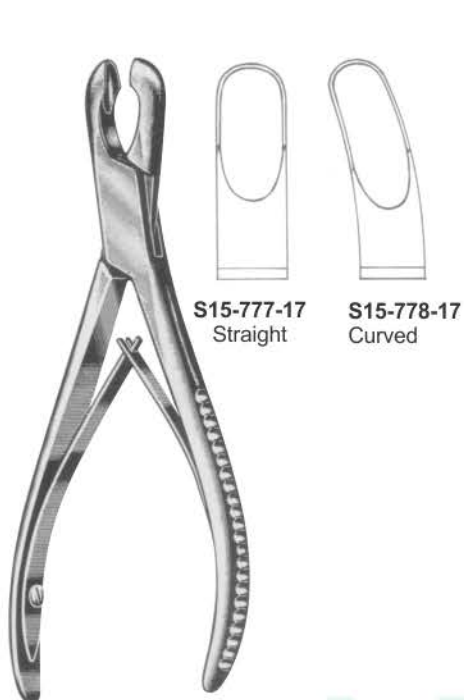
S15-775-01
right hand
8mm



S15-775-02
left hand
8mm

Hohlmeißelzangen
Pinzas gubias

Pinces-gouges
Pinze-sgorbie



S15-777-17
Straight

S15-778-17
Curved

LUER
17cm



LUER
S15-779-18
18.5cm



LUER
S15-780-18
18cm



Adson Cranial Rongeur,
S15-781-21
straight, jaws 8mm wide,
21cm



GULEKE
S15-782-22
22cm



BACON CRANIAL RONGEUR,
S15-784-20
Angled, jaws 7mm wide,
20cm



Bohler Bone Rongeur

S15-789-15
15cm
Straight



S15-790-15
15cm
Curved



Kleinert-Kutz Bone Rongeur
15 cm

S15-791-15
2 x 13 mm



Ruskin-Mini Bone Rongeur
15cm Curved

S15-792-02
2mm

S15-792-03
3mm



Ruskin Bone Rongeur
18cm

Straight
4x10mm
S15-793-04
5x16mm
S15-793-05

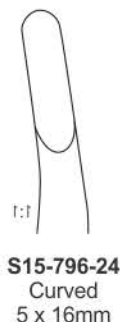


Curved
4x10mm
S15-794-04
5x16mm
S15-794-05



Ruskin Bone Rongeur
24cm

S15-795-24
Straight,
5 x 16mm



S15-796-24
Curved
5 x 16mm



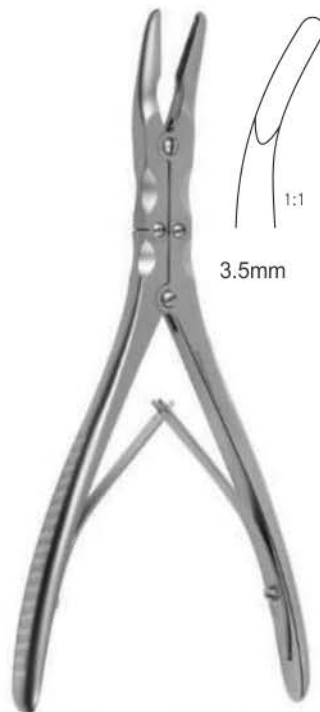
Beyer Bone Rongeur
18cm
S15-797-03 3 x 14mm
S15-797-04 4 x 15mm
Double action, Curved

Hohlmeißelzangen
Pinzas gubias
Pincès-gouges
Pinze-sgorbie

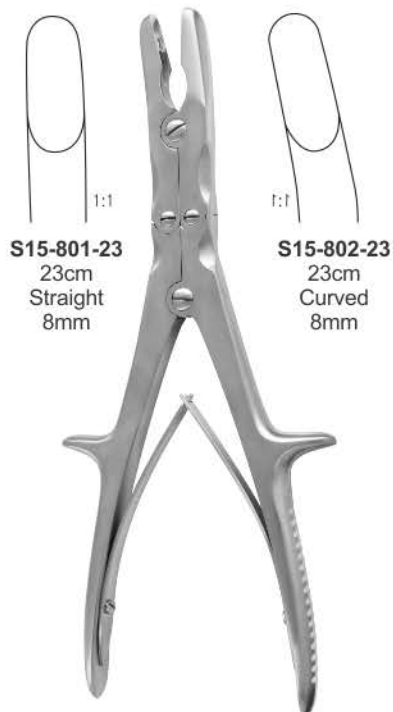

Zaufal-Jansen Bone Rongeur
S15-798-18 18cm
Double action
Curved, 5x15mm



Marquardt Bone Rongeur
S15-799-18 18cm



Mayfield Bone Rongeur
S15-800-18 18cm



Stille-Ruskin Bone Rongeur



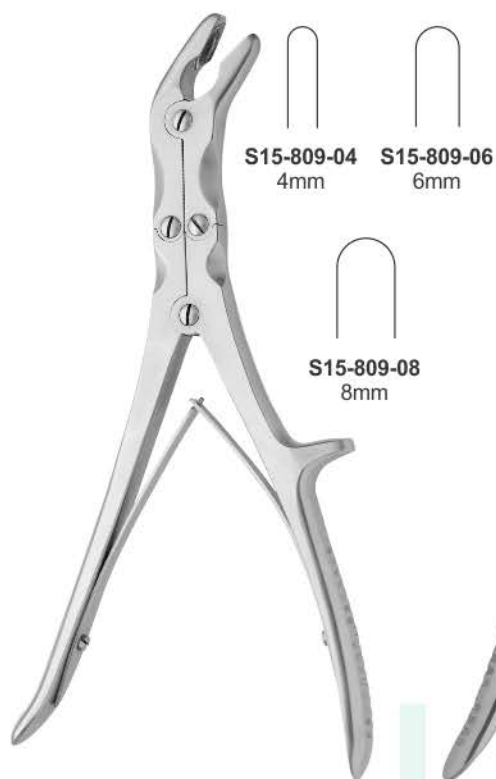
Smith-Peterson Laminectomy Rongeur
S15-805-24 24cm
Double action,
straight 3 x 16mm



Smith-Peterson Laminectomy Rongeur
S15-806-24 24cm
Double action
slightly curved 3 x 16mm



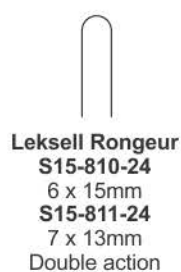
Smith-Peterson Laminectomy Rongeur
S15-807-24 24cm
Double action
fully curved 3 x 16mm



Stille Bone Rongeur
23cm



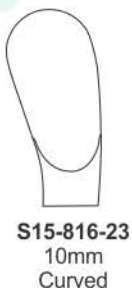
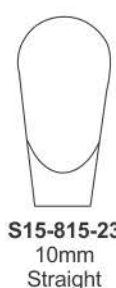
Leksell Bone Rongeur
24cm
Double action, fully curved



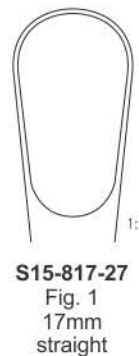
Echlin Duckbill Bone Rongeur
23cm

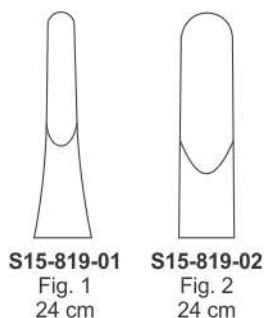


Stille-Luer Rongeur Forceps
23cm

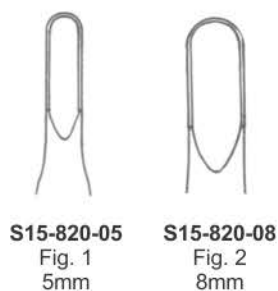


Luer-Stille Bone Rongeur
27 cm




Leksell-Stille Bone Rongeur

S15-819-01
 Fig. 1
 24 cm

S15-819-02
 Fig. 2
 24 cm

Leksell Bone Rongeur
 23cm

S15-820-05
 Fig. 1
 5mm

S15-820-08
 Fig. 2
 8mm

Hakansson Bone Rongeur
S15-825-20 20cm

Stille-Luer Echlin Duckbill Rongeur
 23cm
S15-826-01 6 x 13mm
S15-826-02 6 x 15mm
 Double action angled to side

Stille-Leur Rongeur
S15-827-21 21.5cm
 Double action angled to side
 10 x 16mm

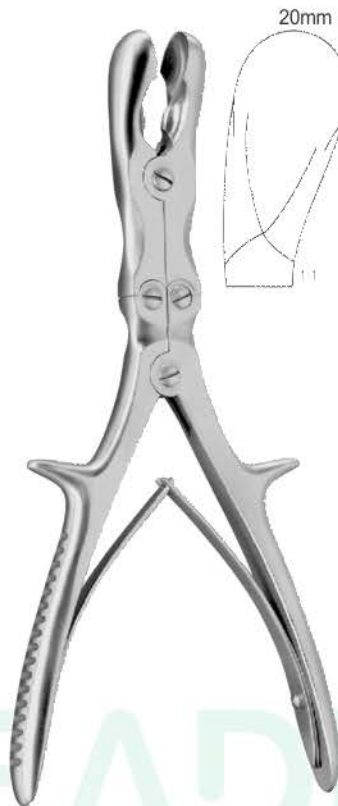
Sybert Rongeur
S15-828-01 35cm 4 x 16mm
S15-828-02 35cm 8 x 16mm
S15-828-03 35cm 12 x 16mm
S15-828-04 37cm 5 x 16mm
 Double action, Angled

Hohlmeißelzangen
Pinzas gubias

Pinces-gouges
Pinze-sgorbie



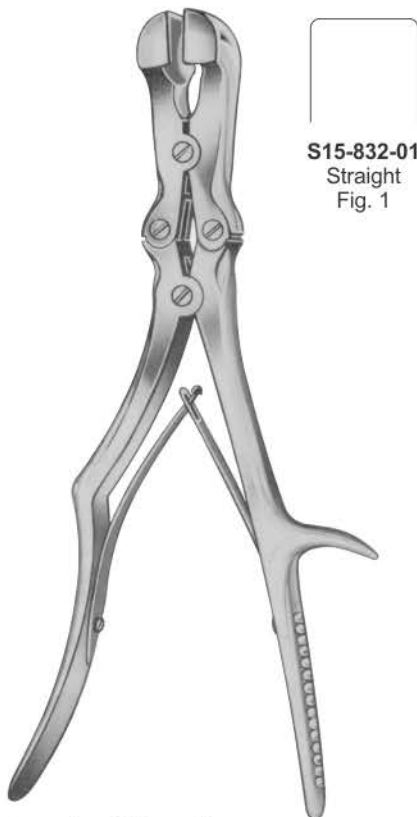
Rottgen-Ruskin Bone Rongeur
S15-829-23 23cm



Semb Bone Rongeur
S15-830-24 24cm



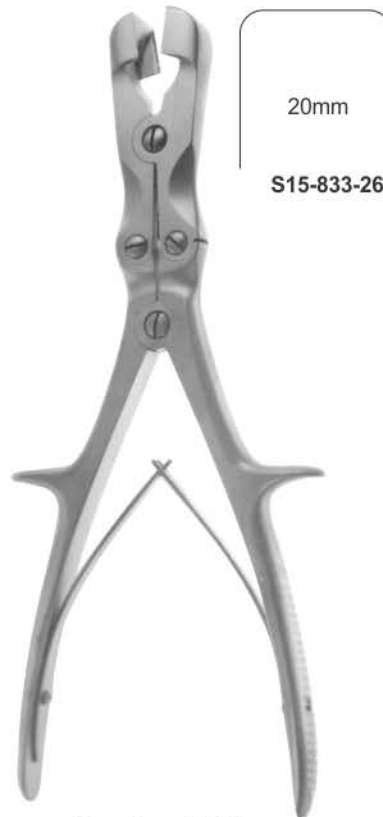
Frykholm Bone Rongeur
S15-831-24 24cm



S15-832-01
Straight
Fig. 1



S15-832-02
Round
Fig. 2



S15-833-26

Sauerbruch-Stille
26cm



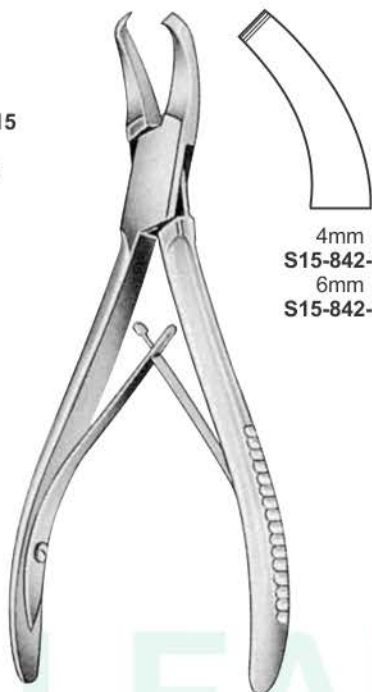
S15-834-26

Sauerbruch-Stille
26cm



S15-841-15
15 cm
Straight

Littauer / Liston Bone Cutting Rongeur Forceps



4mm
S15-842-04
6mm
S15-842-06

Cleveland Gardner Bone Cutting Forceps
16cm



S15-843-20

Markwalder Bone Cutting Forceps
20cm



Cottle-Kazanjian Bone Cutting Rongeur Forceps
S15-845-19 19 cm



S15-846-15
15 cm
curved



S15-846-17
17 cm
curved

Cleveland Bone Cutting Rongeur Forceps



S15-847-14 14 cm
S15-847-17 17 cm
S15-847-19 19 cm
S15-847-20 20 cm
S15-847-22 22 cm
Straight

Liston Bone Cutting Rongeur Forceps

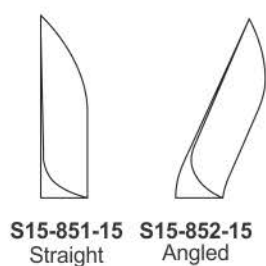


S15-848-14 14 cm
S15-848-17 17 cm
S15-848-19 19 cm
S15-848-22 22 cm
Angled

Liston Bone Cutting Rongeur Forceps



Bohler Bone Cutting Forceps
15cm

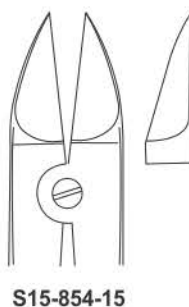


S15-851-15
Straight

S15-852-15
Angled



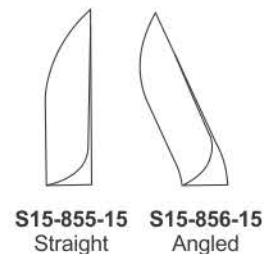
Bone Cutting Forceps
15 cm



S15-854-15



Walton-Liston Bone Cutting Rongeur Forceps
15cm



S15-855-15
Straight

S15-856-15
Angled



Liston-mini
S15-857-15
15cm



Liston-mini
S15-858-15
15cm



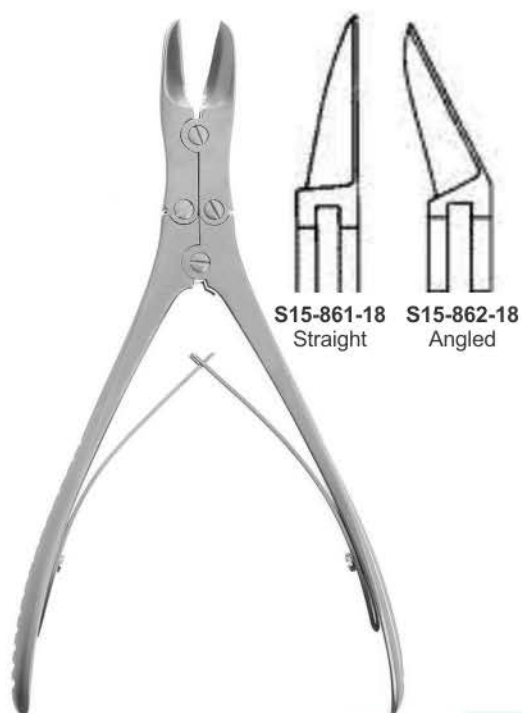
Kleinert-Kutz
S15-859-15
15cm

Knochensplitterzangen

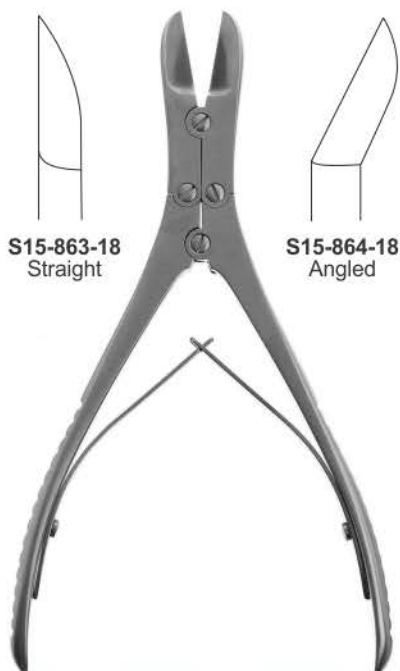
Pinzas cortantes para huesos

Pinces coupantes a os

Cesoie per ossa



**Mc Indoe Bone Cutting
Rongeur Forceps**
18cm



**Ruskin-Liston Bone Cutting
Forceps**
18.5cm



**Ruskin Bone Cutting
Rongeur Forceps**
S15-865-20 20 cm



**LISTON
S15-870-23**
curved on flat
23.5cm



**LISTON
S15-871-28**
straight
28cm



**LISTON
S15-872-27**
curved on flat
27.5cm

Knochensplitterzangen

Pinzas cortantes para huesos

Pinces coupantes a os

Cesoie per ossa



Stille-Liston Bone Cutting Forceps



Stille-Liston Bone Cutting Rongeur Forceps



Stille-Horsley Bone Cutting Forceps
S15-876-24 24 cm



Horsley Bone Cutting Rongeur Forceps
S15-877-25 25 cm



Semb Bone Cutting Rongeur Forceps
S15-878-24 24 cm

Drahtschneidezangen
Pinces coupantes
Alicates para cortar alambre
Pinze taglia filo


Delicate Wire Cutter
S15-885-12 12.5cm
 Side cutting w/ **carbide inserts**
 max capacity. 0.7mm 028"



Wire Cutter
S15-886-15 15cm
 for hard wires up to 1mm,
 for soft wires up to 1.5mm
tungsten carbide inserts



Side Cutter
S15-887-18 18.5cm
Carbide jaws
 max capacity. 1.6mm 062"



Wire Cutter
S15-890-14 14.5cm
 for hard wires up to 1mm,
 for soft wires up to 1mm
tungsten carbide inserts



Side Wire Cutter
S15-891-18 18cm
 for hard wires up to 1.5mm,
 for soft wires up to 2mm
S15-891-22 22cm
 for hard wires up to 2.2mm,
 for soft wires up to 2.8mm
tungsten carbide inserts



Side Wire Cutter angled
S15-892-22 22cm
 for hard wires up to 2.2mm,
 for soft wires up to 2.8mm
tungsten carbide inserts



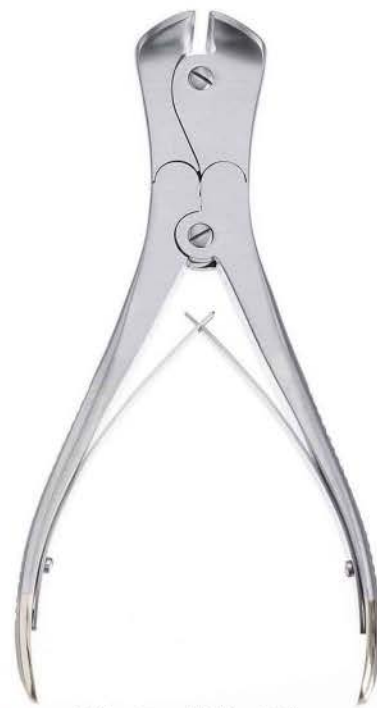
S Line side Wire Cutter
S15-893-23 23cm
 for hard wires up to 2.2mm,
 for soft wires up to 3mm
tungsten carbide inserts

Drahtschneidezangen
Pinces coupantes
Alicates para cortar alambre
Pinze taglia Filo


Front And Side Wire Cutter
S15-896-18 18cm
for hard wires up to 1.7mm,
for soft wires up to 2mm
tungsten carbide inserts



Wire Cutter
S15-899-17 17cm
carbide inserts,
double action. Max capacity. 1.6mm 062"



S Line Front Wire Cutter
S15-901-22 22cm
for hard wires up to 2.2mm,
for soft wires up to 3mm
tungsten carbide inserts



Hard Wire Cutter Cuts
S15-903-26 26cm
for hard wires up to 3mm



Cannulated Wire / Pin Cutter
S15-905-19 19 cm
Cuts wire upto 1.6 mm



Plate Cutting Forceps
Up To 1mm
S15-907-24 24 cm Straight



Hand-Held Rod Cutter
S15-911-00 Straight,
Cuts rods
4.76mm to 6.35mm



Table Top Rod Cutter
S15-912-00 70cm
Cuts rods from:
4.76mm to 6.35mm

Drahtschneidezangen

Alicates para cortar alambre

Pinces coupantes

Pinze taglia Filo



Front Pin Cutter Small
S15-916-26 26cm
Max cap: 3.2mm



Front Pin Cutter Medium
S15-918-36 36.5cm
Max cap: 4.7mm



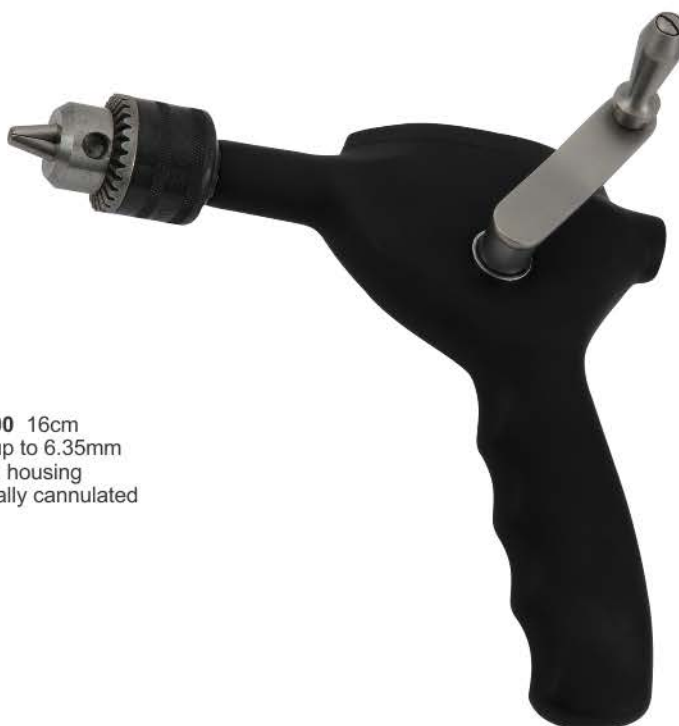
Side Pin Cutter Large
S15-920-57 57.5cm
Side cutting,
Max. capacity 4.0mm



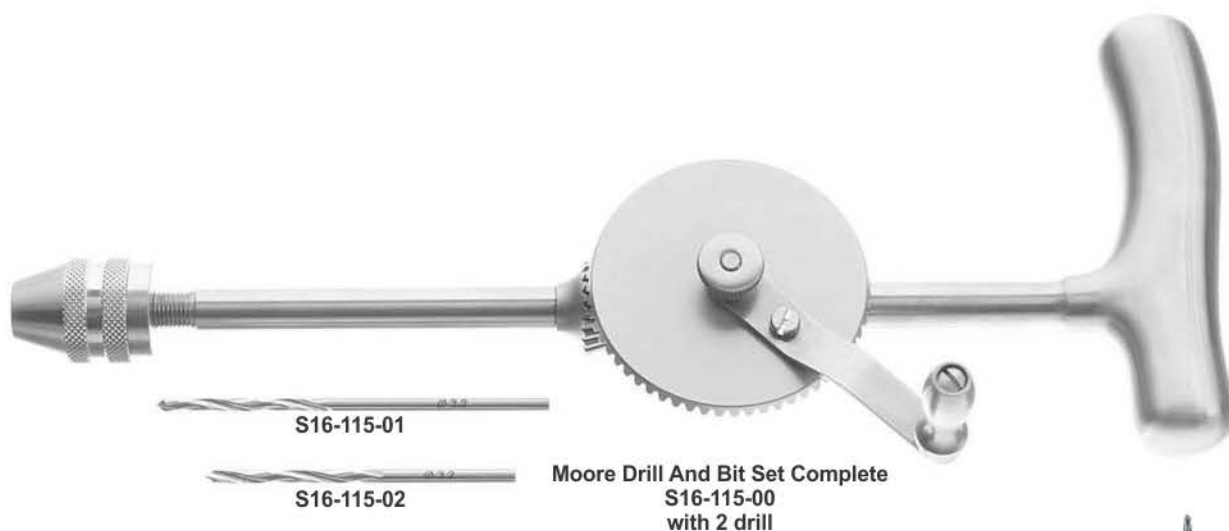
Side Pin Cutter Large
S15-922-57 57.5cm
Side cutting w/ **carbide inserts**
Max. capacity 6.3mm



Bunnell Drill
S16-105-00 16cm
 Opening up to 4mm
S16-105-01 spare key
 light metal housing
 longitudinally cannulated



Ralk Drill
S16-110-00 16cm
 Opening up to 6.35mm
 light metal housing
 longitudinally cannulated



HUDSON
S16-125-00 8 burs **S16-126-01 to S16-126-08**
S16-125-10 28cm

 Hand drill, complete set, with improved snap lock chuck and 4 burs **S16-126-01 to S16-126-04**
S16-125-01

Brace Only

S16-125-02

Drill Chuck Only


HUDSON
S16-127-00 8 burs **S16-126-01 to S16-126-08**
S16-127-10 27cm

 Hand drill, complete set, consisting of trepanning brace, cerebellar attachment and 4 burs **S16-126-01 to S16-126-04**
S16-127-01

Brace Only

S16-127-02

Cerebellar attachment only



1:2

 Huson Hand
 drill bit
 Fig.1
S16-126-01
 9mm


1:2

 Huson Hand
 drill bit
 Fig.2
S16-126-02
 14mm


1:2

 Huson Hand
 drill bit
 Fig.3
13-102-03
 16mm


1:2

 Huson Hand
 drill bit
 Fig.4
S16-126-04
 22mm

 ADSON
S16-126-05
 Ø 15mm


1:2

 McKenzie
 Hand drill bit
S16-126-06
 13mm


1:2

 Cushing
 Hand drill bit
S16-126-07
 14mm

 Ø 2mm
S16-126-08



Hand Drill
S16-131-00
opening up
to 6.35mm



Jacob's Chuck
S16-132-00 T-Handle and key
S16-132-01 only
S16-132-02 Key



T-Handle
S16-133-00
AO Coupling



T-Handle
S16-134-00
for AO Coupling



Jacobs
S16-136-00 28cm
opening up to 6.35mm



Key Handle
S16-138-01



Memoral Head Extrator
S16-139-01



Fiber Handle
S16-140-01
for AO coupling



Plastic Handle
S16-141-01
AO Coupling



Dental
Handle Coupling
S16-142-01



Fiber Handle
S16-143-01
AO Coupling



Fiber Key Handle
S16-144-01
18cm



Countersink
S16-147-01



Countersink
S16-148-01



Countersink
S16-149-01



Milling Cutter Countersink
with cross handle
S16-151-01 2.0 mm
S16-151-02 3.2 mm
S16-151-03 4.5 mm
S16-151-04 6.5 mm
17cm



Mini Countersink
S16-152-01
1.5 mm Screws
2.00 mm Diam
Tip 1.1 mm



Small Countersink
S16-153-01
2.7, 3.5 mm and
4.0 mm Screws
Tip 2.0 mm



Malleolar
Countersink
S16-154-01
Tip 3.2 mm



Tap, with cross-handle
S16-156-25 Ø2.5mm, 14cm
S16-156-27 Ø2.7mm, 14cm
S16-156-30 Ø3.0mm, 16cm
S16-156-35 Ø3.5mm, 16cm
S16-156-36 Ø3.6mm, 16cm
S16-156-40 Ø4.0mm, 18cm
S16-156-45 Ø4.5mm, 18cm
S16-156-65 Ø6.5mm, 22cm



Nadeln, Ahle & Knochenhaken

Aiguilles, poinçons et crochets en os

Agujas, Punzones y Ganchos para Hueso

Aghi, punteruolo e ganci per osso



Obwegeser Needle
S16-159-14
14 cm



Obwegeser Needle
S16-160-18 18 cm



Obwegeser Needle
S16-161-23 23 cm



Shoulder Percussion Awl
Pointed, 21.6cm
S16-165-21 Small
S16-165-23 Pointed, 23.5cm



S16-166-14
14cm



Perthes
S16-167-18 18cm
S16-167-21 21cm



S16-168-14
14cm



Sharp Bone Hook
S16-171-23
23cm



Sharp Bone Hook
S16-172-23
23cm



Sharp Bone Hook
S16-173-23
23cm



S16-181-01

S16-182-01

S16-183-01

S16-184-01

S16-185-01

S16-186-01

S16-187-01

HEXAGONAL HEAD

	Size of screws	Head Size
S16-181-01	1.5mm	1.5mm
S16-182-01	2.0mm	
S16-183-01	2.7mm	2.5mm
S16-184-01	3.5mm	
S16-185-01	4.0mm	
S16-186-01	4.5mm	3.5mm
S16-187-01	6.5mm	



Drahtführung, Bohrführung und Klemme
 Guide-fil, guide de perçage et pince

Guía de alambre, guía de broca y abrazadera
 Guida filo, guida di perforazione e morsetto



Parallel Target Device
S16-251-01
 for guide wires 2mm



Mortising Chisel
S16-252-01



Wire Guide
S16-253-45
 45mm



Wire Guide
S16-253-70
 70mm



Drill Small Pointed
S16-201-01
 Drill Bit 3.5 mm



Drill Pointed Guide
S16-202-01
 6.5 mm



Insert Drill Sleeve
S16-204-01
 2.7 / 2.0 mm Drill Bit 2.0 mm
S16-204-02
 3.5 / 2.5 mm Drill Bit 2.5 mm
S16-204-03
 4.5 / 3.2 mm Drill Bit 3.2 mm



Drill Pointed Guide
S16-203-01
 6.5 mm



C - Clamp
S16-206-01
 Drill Guide with thread
 for Drill Bit 4.5 mm



Drill Guide
S16-210-01
 4.5 mm Screws
 Drill Bit 4.5 mm &
 3.2 mm



Drill Guide
S16-211-01
 6.5 mm Screws
 Drill Bit 3.2 mm



Drill Guide
S16-212-01
 3.5 mm for neutral
 and compression Positioning
 Drill Bit 2.5 mm



Mini Drill Sleeve
S16-213-01

1.1 mm and 1.5 mm drill bits
S16-213-02
 1.5 mm and 2.0 mm drill bits



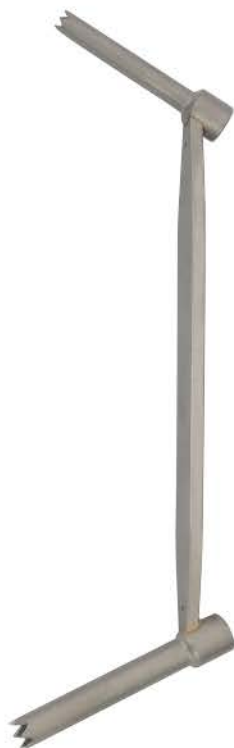
Drill Guide
S16-214-01
 drill sleeve for 2.0 mm
 drill bit



S16-215-01 Tap Sleeve, 2.0 mm $\varnothing$
S16-215-02 Drill Sleeve, 2.7 mm $\varnothing$
S16-215-03 Tap Sleeve, 2.5 mm $\varnothing$
S16-215-04 Drill Sleeve, 3.5 mm $\varnothing$



Neutral & Load Drill Guide
S16-216-01 1.5 mm for 2.0 mm Screws
S16-216-02 2.0 mm for 2.7 mm Screws
S16-216-03 2.5 mm for 3.5 mm Screws
S16-216-04 3.2 mm for 4.5 mm Screws



Tap Sleeve
S16-217-01
 3.5 mm



Tap Sleeve
S16-222-01
 3.5 mm also for used
 as 3.2 mm drill Guide



Tap Sleeve
S16-222-01
 4.5 mm



Drill Sleeve
S16-223-01
 3.2 mm for Round
 Hole Plates

Instrumente für Schraubenbohrer
Instrumentos para taladro de tornillo
Instruments pour perceuse à vis
Strumenti per trapano a vite


Lane Screw Holding Forceps
S16-230-23 23cm



Screw Forceps
S16-231-01



Sharp Hook
 16.5 cm
S16-234-01



Bending Template

Size	3.5 mm	4.5 mm
5 hole		S16-236-03
7 hole	S16-236-01	S16-236-04
9 hole	S16-236-02	S16-236-05



Combination Wrench
S16-237-01
 width across flats
 11 mm



Socket Wrench
S16-238-01
 width across flats 11 mm



Compression Device
S16-241-01
 8 mm screw-type



Articulated Tension Device
S16-242-01
 with Indicator span 20 mm may
 also be used for distraction
 of standard and small plates



Pin Wrench
S16-243-01
 Tension Device
 & Distactor



Drill Sleeve
S16-244-01
 Tension Device



Demel
28 cm

S16-256-32 32 mm
S16-256-45 45 mm
S16-256-62 62 mm



Demel
S16-258-28
28 cm



Cerclage Wire Twister
S16-260-12 12.5cm
stainless



Wire Tightener
S16-261-12 12.5cm
stainless



Loute
S16-262-21
21.5cm



Bone Wire
S16-265-01 0.2mm
S16-265-02 0.3mm
S16-265-03 0.4mm
S16-265-04 0.5mm
S16-265-05 0.6mm
S16-265-06 0.7mm
S16-265-07 0.8mm
S16-265-08 0.9mm
S16-265-09 1.0mm
S16-265-10 1.2mm
S16-265-11 1.5mm
bone wire, soft,
in coils of 10m



Bone Wire
S16-266-01 0.8mm x 280mm
S16-266-02 1.0mm x 280mm
S16-266-03 1.2mm x 280mm
S16-266-04 1.0mm x 280mm
S16-266-05 1.2mm x 280mm
bone wire with eye soft
package of 10 pieces



Slotted Nail Driver
S16-268-21
21.5cm



Reamer
S16-270-21
21.5cm



Moore Rasp
S16-272-21
21.5cm
slandered stream



**Bending Device
S16-276-00**
21.5cm
to bend straight
and angled plates



**Bending Device
S16-278-00**
21.5cm
to bend straight
and angled plates



**Rod Bender
S16-280-01**
to bend straight
and angled



**Universal Rod Bender
S16-281-01** 28.5cm
to bend straight
and angled



**Rod Bender
S16-282-01**
to bend straight
and angled



**Slotted Hammer
S16-285-01** 14mm

Draht-Instrumentarium
Instruments pour cerclage

Instrumental para cerclaje
Strumenti per filo di cerchiaggio



Jewett
S16-286-20
20cm

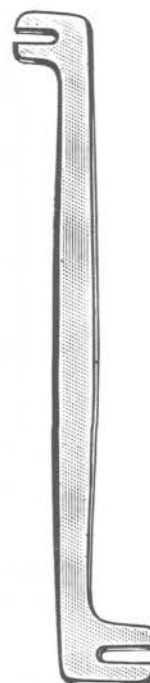


Jewett
S16-287-20
20cm

with vertical
borings,
Ø 3.5 - 4.0 -
6.5 - 8.0 mm



S16-288-24
24cm



Lane
S16-289-18
18cm



Plate Bender
S16-293-01



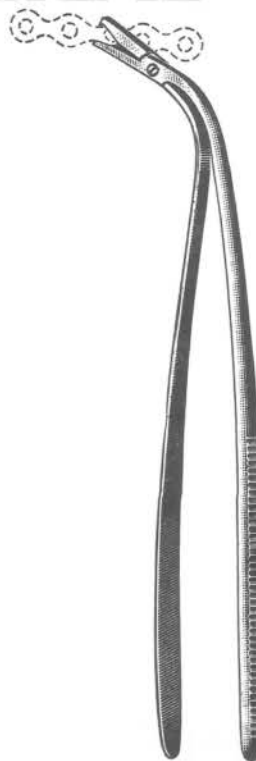
Plate Bender
S16-294-01



Plate Bender
S16-295-01



Plate Bender
S16-296-01



Lane holding forceps
for bone plates
S16-301-22 22cm



Lane Bone
Plate Holding
Forceps
S16-302-22 22cm

Extensionsbugel
Etriers pour extension
Estribos para extension
Archi per estensione


S16-311-18 18cm
Wire strainer for
kirschner wires



Kirschner Extension Bows
S16-312-01 x=95mm y=70mm
S16-312-02 x=100mm y=100mm
S16-312-03 x=120mm y=120mm
S16-312-04 x=155mm y=155mm
S16-312-05 x=200mm y=155mm
 with 3 traction hooks



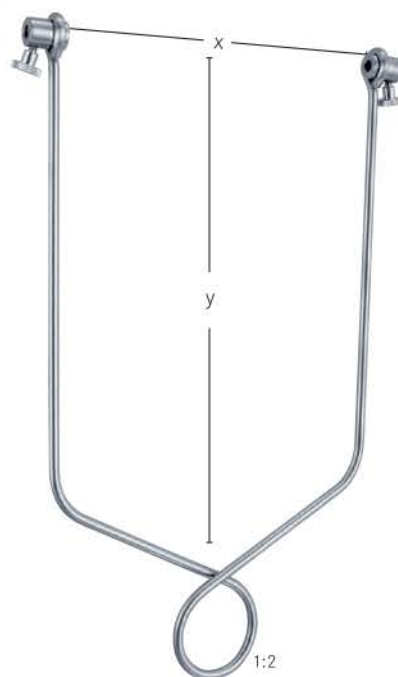
Kirschner Extension Bows
S16-313-01 x=130mm
S16-313-02 x=185mm
S16-313-03 x=220mm
 with 3 traction hooks



Wrench
Kirschner
Extension Bows
S16-314-01
 14mm/17mm



Kirschner Extension Bows
S16-315-01 x=180mm y=100mm
S16-315-02 x=270mm y=160mm
 with 3 traction hooks



Bohler Kirschner Extension Bows
S16-316-01 x=75mm y=90mm
S16-316-02 x=90mm y=160mm
S16-316-03 x=110mm y=210mm
S16-316-04 x=150mm y=210mm
 with 3 traction hooks



Charnley-mueller
S16-317-00
 Compression Clamp

Schraubentiefenmessgeräte, abgewinkelte Klingenplatte
 Jauges de profondeur de vis, plaque de lame inclinée

Medidores de profundidad de tornillo, placa de hoja en ángulo
 Vite misuratori di profondità, piatto lama ad angolo



Screw Depth Gauges

S16-321-01 Mini Gauge, 4 3/4" Long measures up to 30mm

S16-321-02 Small Gauge, 6 1/4" Long measures up to 50mm

S16-321-03 Large Gauge, 8 3/4" Long measures up to 100mm

S16-321-04 X-Large Gauge, 11" Long measures up to 120mm



Screw Depth Gauges

S16-322-01 Mini Gauge, 4 3/4" Long measures up to 30mm

S16-322-02 Small Gauge, 6 1/4" Long measures up to 50mm

S16-322-03 Large Gauge, 8 3/4" Long measures up to 100mm

S16-322-04 X-Large Gauge, 11" Long measures up to 120mm



Screw Depth Gauge

S16-323-01 1.5 mm & 2.0 mm screws

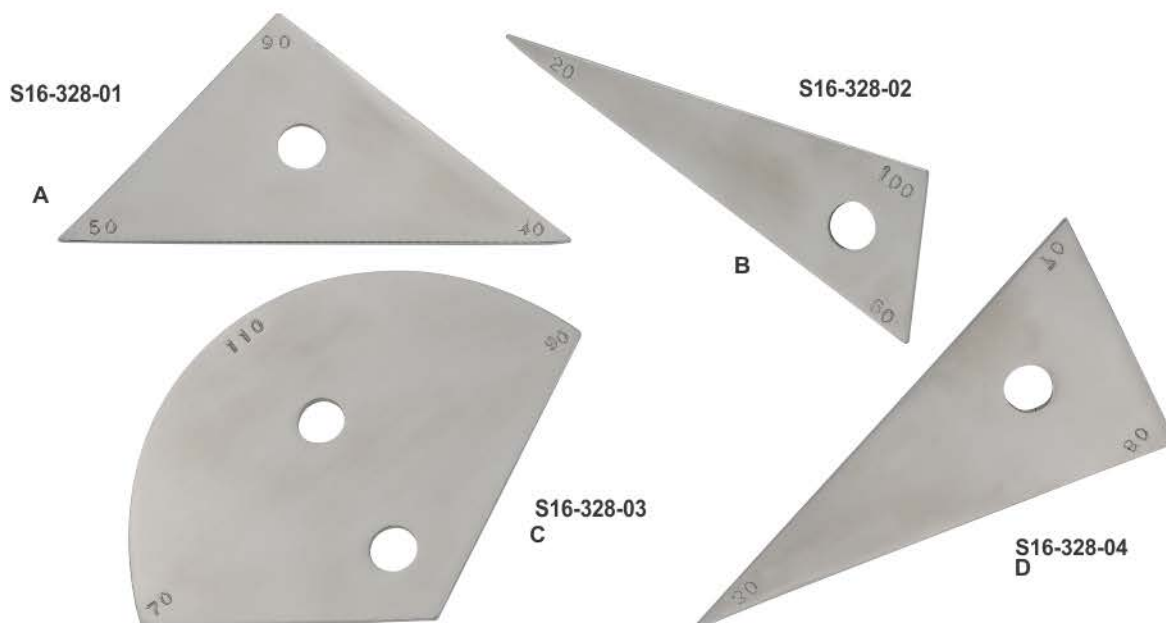
S16-323-02 2.7 mm & 4.0 mm screws

S16-323-03 4.5 mm & 6.5 mm screws



Measuring Gauge
S16-326-01
 for nail

S16-328-00 Tri Angular Positioning Plate





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