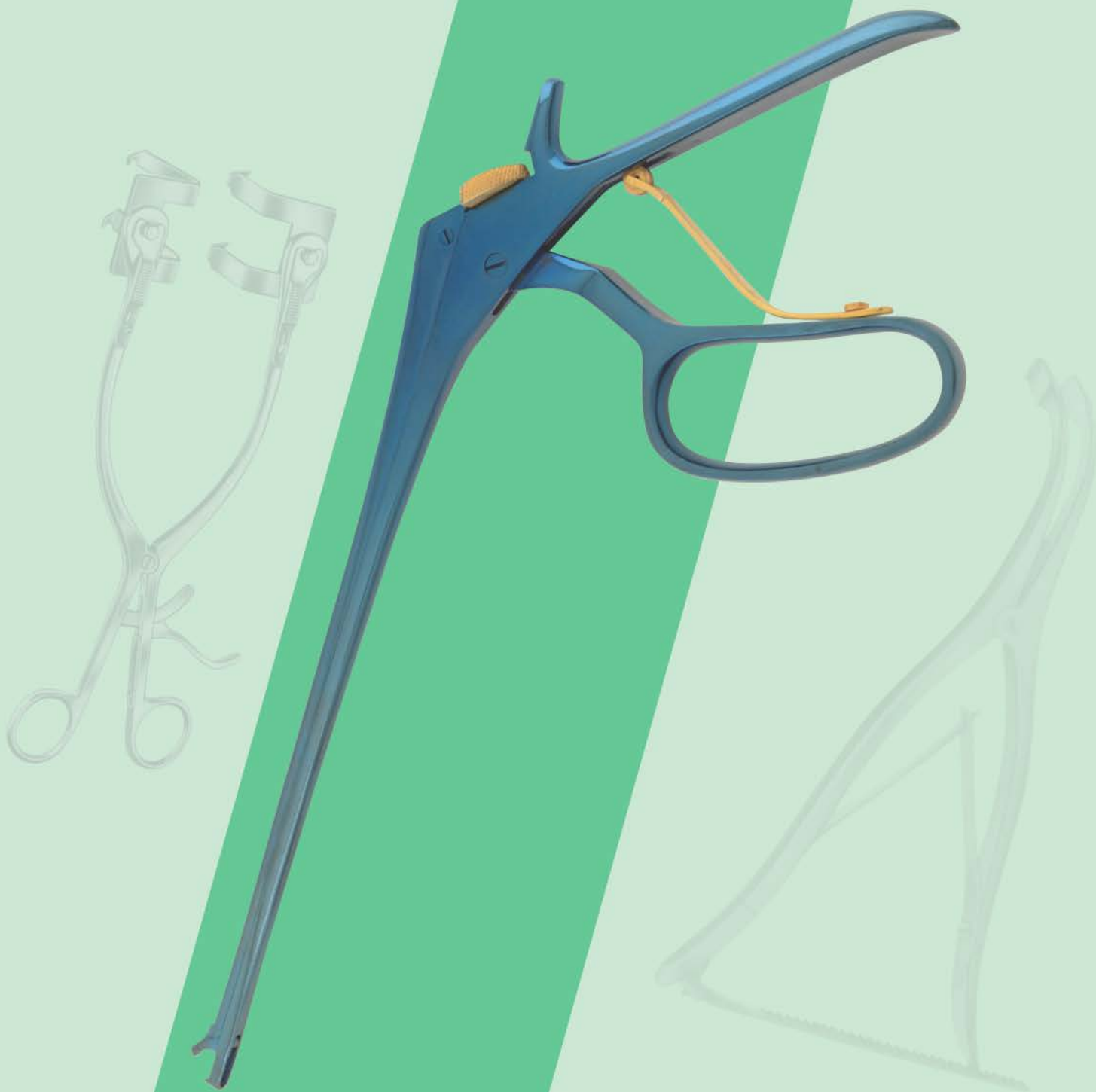
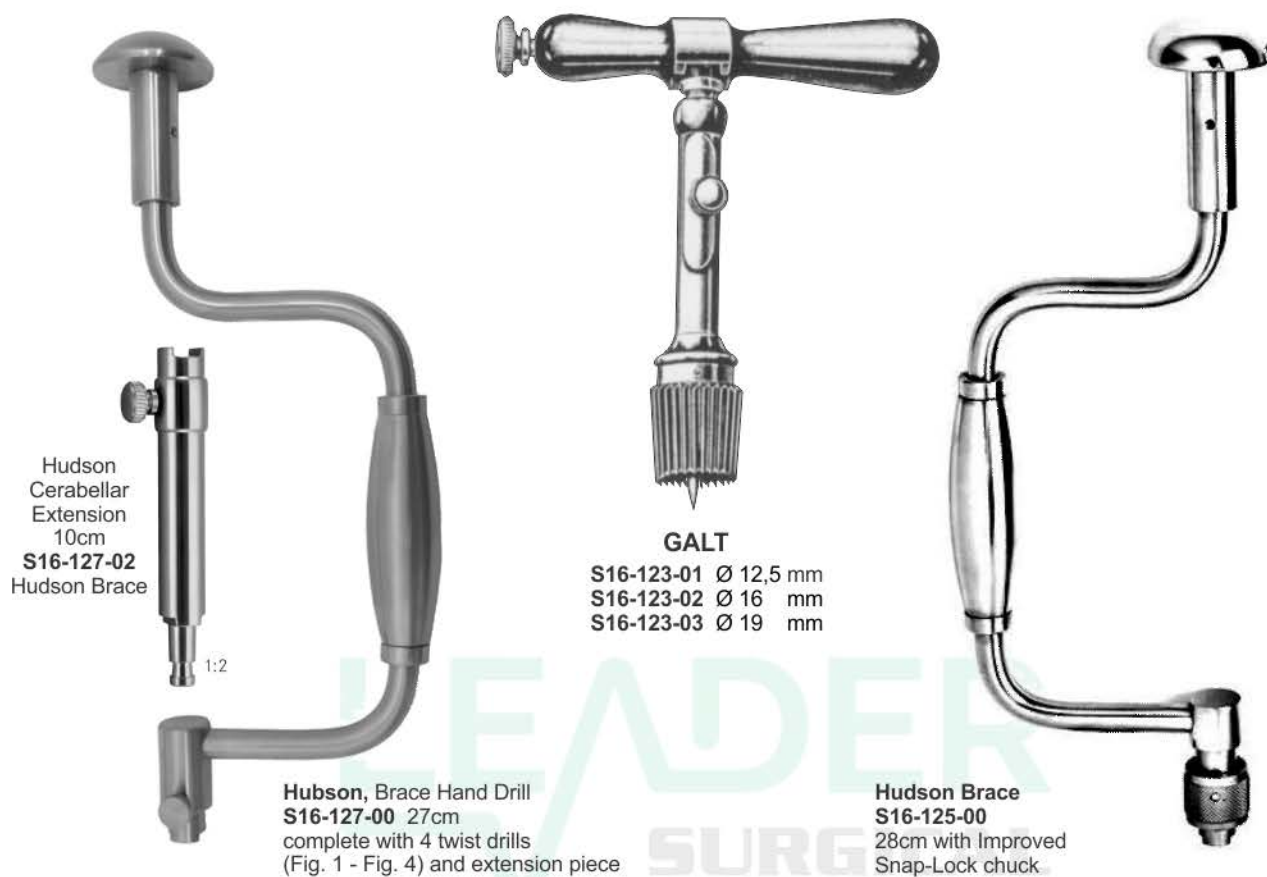




NEUROSURGERY INSTRUMENTS



Schadelhalter

Pinces de traction Cranienne

Pinzas de traccion cranial

Pinze per trazione craniale



Crutchfield
Traction Tongs
S17-111-13 13cm
small

S17-113-01



Crutchfield drill bit 3.5mm
Crutchfield drill bit 5mm
Set of 2 Pieces for
S17-111-13 and **S17-112-18**



Crutchfield
Traction Tongs
S17-112-18 18.5cm

LEADER
SURGICAL



Crutchfield Skull
S17-115-11
large type, cervical traction tongs -
pins adjustable no drilling to be done
11cm



S17-115-01
Wrench double-ended for

Lamina-Spreizer

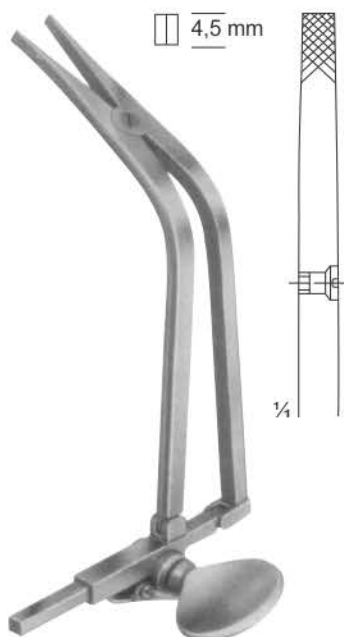
Esparcidores de láminas

Épandeurs de lamelles

Spalmatori di lamina



Cloward Vertebral Cervical Spreader
S17-121-01



Cloward Retractor
S17-122-13 13.5 cm



Cloward Retractor
S17-124-15 15.5 cm



Spinal Distractor
S17-125-24 24cm
45° angle / small style
6mm rods



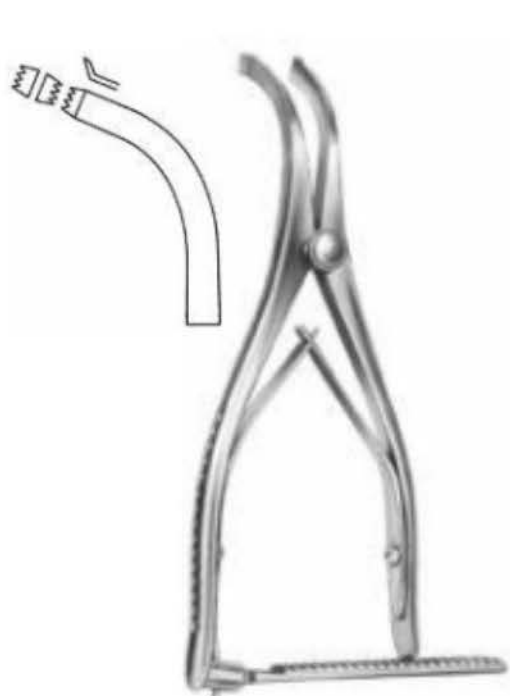
Spinal Distractor
S17-126-25 25.5cm
small style



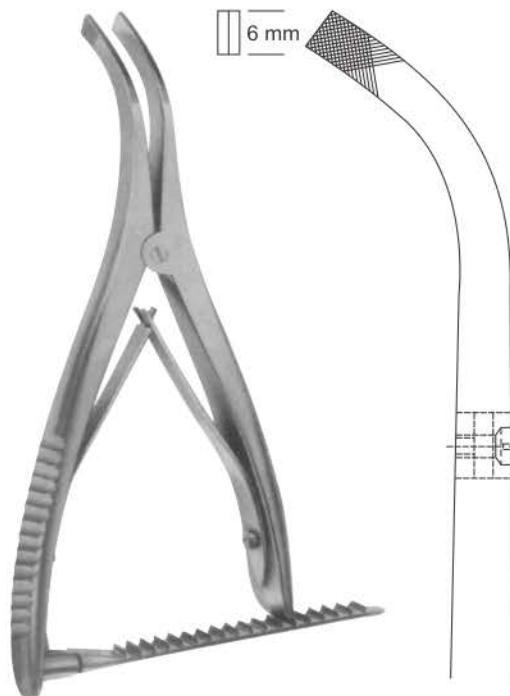
Inge Retractor
S17-129-20 20.5cm
toothed w/spindle

Laminaspreizer, Distractionsschraube und Schraubendreher
Écarteurs laminaires, vis de distraction et tournevis

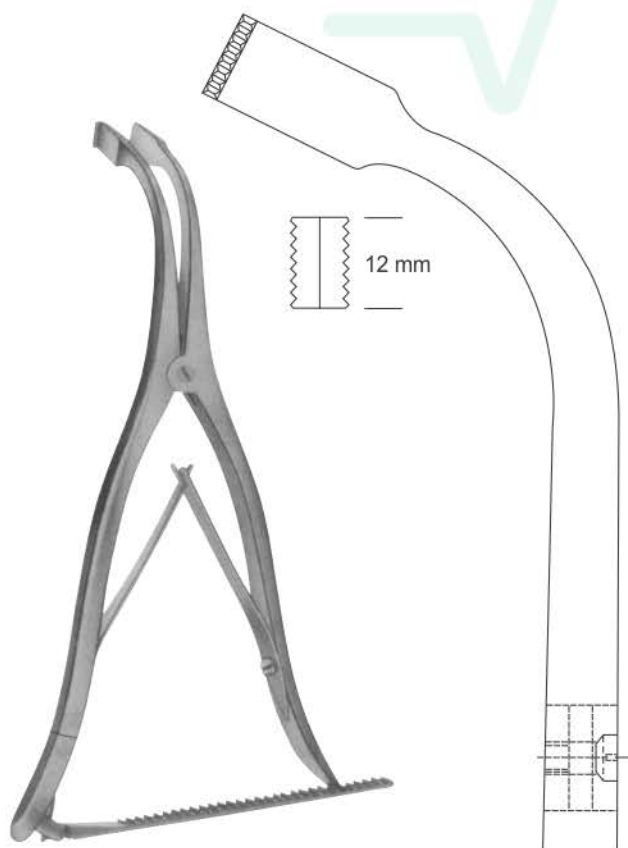
Separadores de láminas, tornillo de distracción y destornillador
Divaricatori a lamina, vite di distrazione e cacciavite



Inge
Lamina Spreader
S17-130-16
16 cm



Inge Retractor
S17-131-17 17 cm



Inge Retractor
S17-132-27 27.5 cm



Supra Cut Distraction Screw
S17-136-12 12mm
S17-136-14 14mm
S17-136-16 16mm
S17-136-18 18mm



Supra Cut
Distraction
Screw Driver
S17-137-01

Wundhaken	Ecarteurs
Separadores	Divaricatori



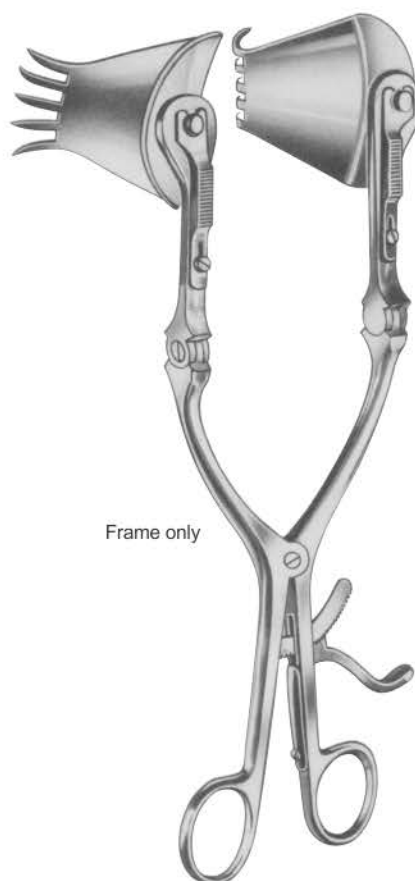
S17-712-00
Frame only

Hoen
S17-714-00
 27cm
 Hemi-Laminectomy Retractor, max
 spread 65mm, complete with 4
 lateral blades

Hoen Hemilaminectomy Retractors
 Interchangeable Lateral Blades,
 sharp-pronged
S17-714-01 45x35mm
S17-714-02 45x45mm

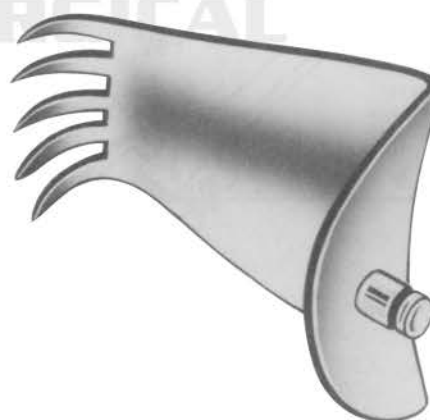


Hoen Hemilaminectomy Retractors
 Interchangeable Lateral Blades,
 with blunt prongs
S17-714-03 25x35mm
S17-714-04 25x45mm



Frame only

Cloward-hoen
S17-716-00
 25cm
 hemi-laminectomy Retractor, max
 spread 65mm, complete with 1 pair
 lateral blades ea No. **S17-716-01**
 and **S17-716-02**



Cloward-Hoen
 Interchangeable Lateral Blades,
 with pronged blades
S17-716-01 25-50x55mm
S17-716-02 25-50x65mm

Retraktoren, selbsthaltender Gehirnretractor
Retradores, Retractor de cerebro autosujetante
Écarteurs, écarteur cérébral auto-rétentif
Divaricatori, divaricatore cerebrale autobloccante


Cloward
S17-718-00
 25cm
 Cervical retractor,
 max. spread 114mm,
 complete with 5 toothed
 blades No. **S17-708-01** through
S17-708-09



Cloward
 Interchangeable Lateral Blades,
 blunt,
 width 15/23mm
S17-708-03 depth 40mm
S17-708-04 depth 45mm
S17-708-07 depth 50mm
S17-708-08 depth 55mm
S17-708-10 depth 60mm



Cloward
 Interchangeable Lateral Blades,
 toothed,
 width 15/23mm
S17-708-01 depth 40mm
S17-708-02 depth 45mm
S17-708-05 depth 50mm
S17-708-06 depth 55mm
S17-708-09 depth 60mm



S17-817-00
 Brain retractor self retaining, with 1 flexible arm,
 complete consisting of fixation base for 1 flexible
 arm flexible arm only support for flat brain spatulas

S17-818-00
 Brain retractor self retaining, with 2 flexible arm,
 complete consisting of fixation base for 2 flexible
 arm flexible arm only support for flat brain spatulas

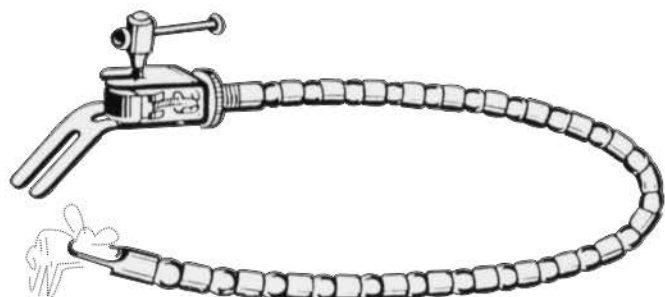


S17-819-01
 Fixation base only
 holding 2 flexible arms
S17-819-02
 Support only for flat
 brain spatulas

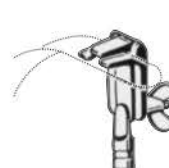
S17-820-01
 Fixation base only
 holding 1 flexible arms
S17-820-02
 Support only for brain spatulas with round shaft of
 4mm and 5mm to fix on the flexible arm
S17-820-03
 Flexible arm only for attaching
 coupling heads and for fixation bases

selbsthaltender Hirnretractor
Retracteur cerebrale autostatique

Separador cerebral autostatico
Retrattore celebrale autostatico



S17-822-00
 flexible Arm only



S17-822-01
 Support only,
 flat brain spatulas,



S17-822-02
 Support only,
 for brain spatulas
 with round shaft
 up to 5.5 mm diam.
 Fixing for flexible



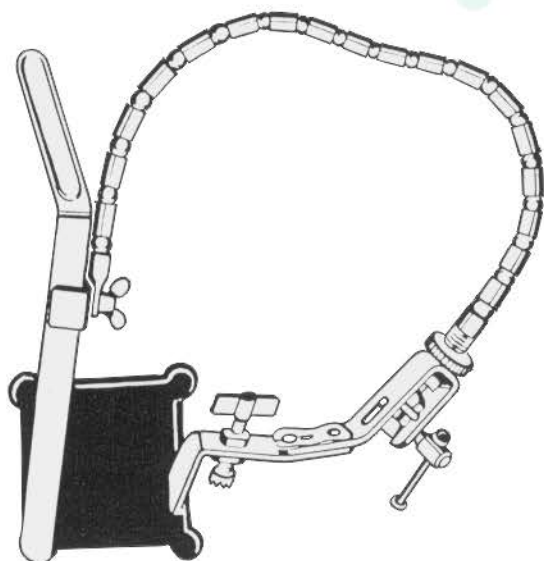
Riechert
S17-822-03
 Fixation base, for skull
 mounting, holding 1
 flexible arms



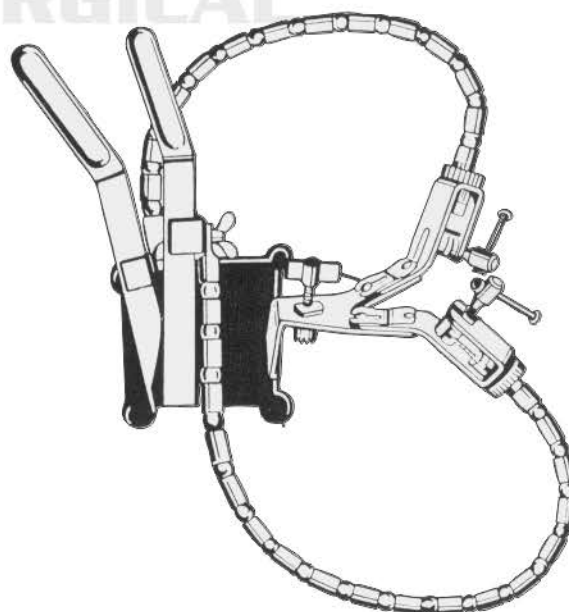
Riechert
S17-822-04
 Fixation base, for skull
 mounting, holding 2
 flexible arms



S17-822-05
 Fixation base, for skull
 mounting, holding 1
 flexible arms



Leyla
S17-824-00
 Self-Retaining Brain Retractor
 with 1 flexible arm, complete consisting of
S17-824-01 1 Flexible Tension Arm
S17-824-02 1 Flexible Base
S17-824-03 1 Spatula Support



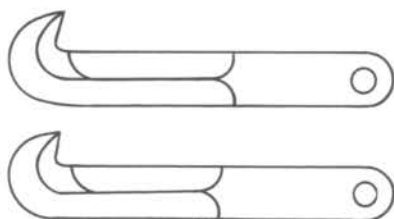
Leyla
S17-826-00
 Self-Retaining Brain Retractor
 with 2 flexible arms, complete consisting of
S17-826-01 2 Flexible Tension Arm
S17-826-02 1 Flexible Base
S17-826-03 2 Spatula Support

Instrumente für die Schädelöffnung, Drahtsäge und Griff

Instrumentos para apertura craneal, sierra de hilo y mango

Instruments pour ouverture crânienne, scie à fil et poignée

Strumenti per apertura cranica, sega a filo e impugnatura



CONE SKULL PUNCH

S17-144-10

20cm child size
for skull thickness up to 7mm

S17-144-11

23cm adult size
for skull thickness up to 12mm



DeVilbiss

Skull Forceps

S17-146-20

20cm



Dalgren

S17-147-20

Cranial Rongeur

20 cm

Olivecrona

Wire Saw

S17-017-30 30cm

S17-017-40 40cm

S17-017-50 50cm

S17-017-60 60cm

S17-017-70 70cm



Gigle, Wire Saw

S17-018-30 30cm

S17-018-40 40cm

S17-018-50 50cm

6 wires twisted



Gigle

Handle for

wire saw

S17-019-00



De Martel

Saw Conductor

S17-021-33 33cm



Davis

Guide for Gigli Saws

S17-020-20 20cm



Bailey-Gigli

Saw Guide flexible

S17-020-30 30.5cm

Mckenzie-Instrumente und Clip-Anlegezange

Instrumentos Mckenzie y pinzas de aplicación de clips

Instruments Mckenzie et pinces d'application de pinces

Strumenti Mckenzie e pinze per l'applicazione di clip



McKenzie Clip Applying Forceps

S17-151-15 15cm
S17-151-19 19cm
Straight

S17-152-15 15cm
S17-152-19 19cm
Curved



McKenzie Clip Applying Forceps
S17-154-15
Curved Handle, Curved Jaws, 15cm



McKenzie
S17-162-00 148mm x 40mm x 6mm
Brain clip rack for 20 clips



S17-160-00
McKenzie
Silver Clips.
vial/100 pieces



Smithwick Clip Applying Forceps
S17-156-23
23 cm Curved Jaws
Straight Handle



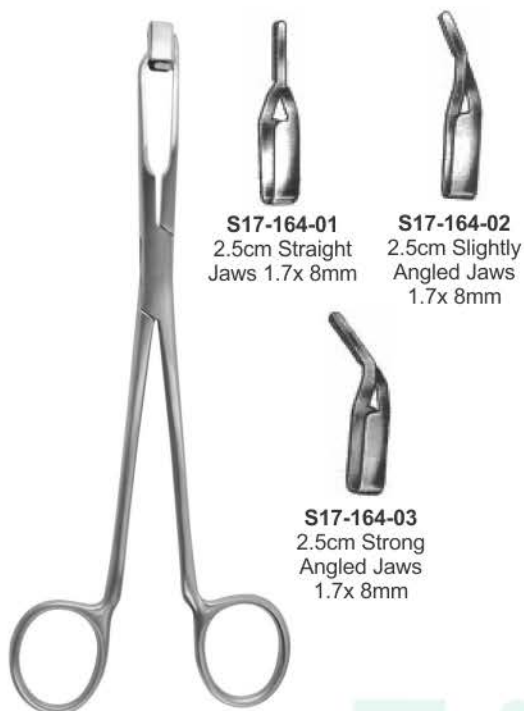
Smithwick Clip Applying Forceps
S17-157-26
26.5 cm Curved Jaws
Straight Handle



Olivecrona Toennis (Scoville), Clip Forceps
S17-158-14 14cm

clips und anlegezangen
Clips et pinces a appliquer

Clips y aplicadores
Clips e pinze per mettere clips



Schwartz Clip Applying Forceps
S17-163-00 20cm
Schwartz Vessel Clip

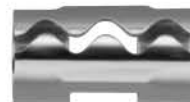
S17-164-01
2.5cm Straight
Jaws 1.7x 8mm

S17-164-02
2.5cm Slightly
Angled Jaws
1.7x 8mm

S17-164-03
2.5cm Strong
Angled Jaws
1.7x 8mm



**Raney Applying &
Removing Forceps**
S17-167-15 15cm



S17-168-00
**Raney Scalp
Clip**



S17-170-00
**Kolner (Cologne)
Scalp Clip**



Adson
Drill guide
S17-172-15 15cm



S17-173-01

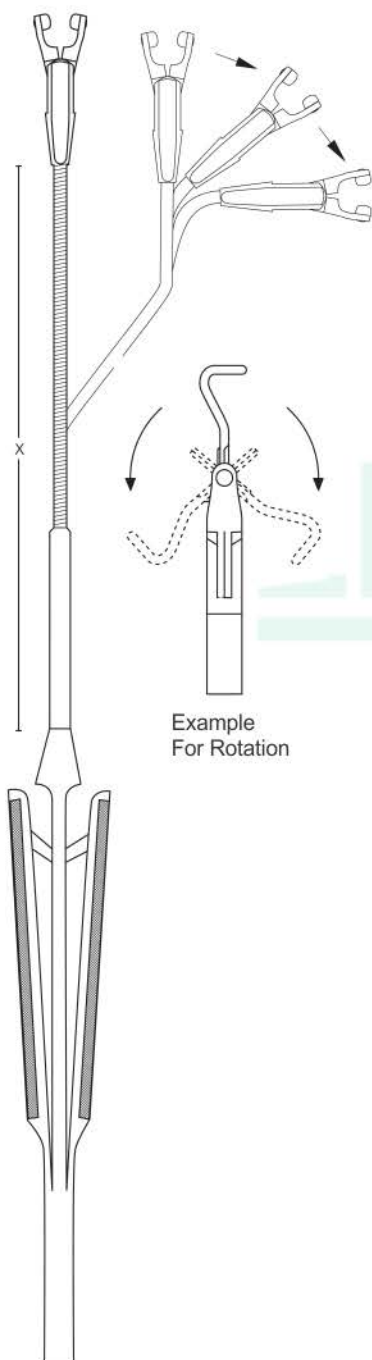
S17-173-02

S17-173-03

Michele Trephine,
S17-173-01 16cm shaft, 0.47cm
O.D graduated 0.64cm To 3.2cm
S17-173-02 16cm shaft, 0.79cm
O.D graduated 0.64cm To 3.2cm
S17-173-03 16cm shaft, 0.56cm
O.D graduated 0.64cm To 3.2cm

Anlegezangen für Yasargil Clips
Pince à poser pour des clips Yasargil

Aplicadora para clips Yasargil
Pinze per mettere clips Yasargil



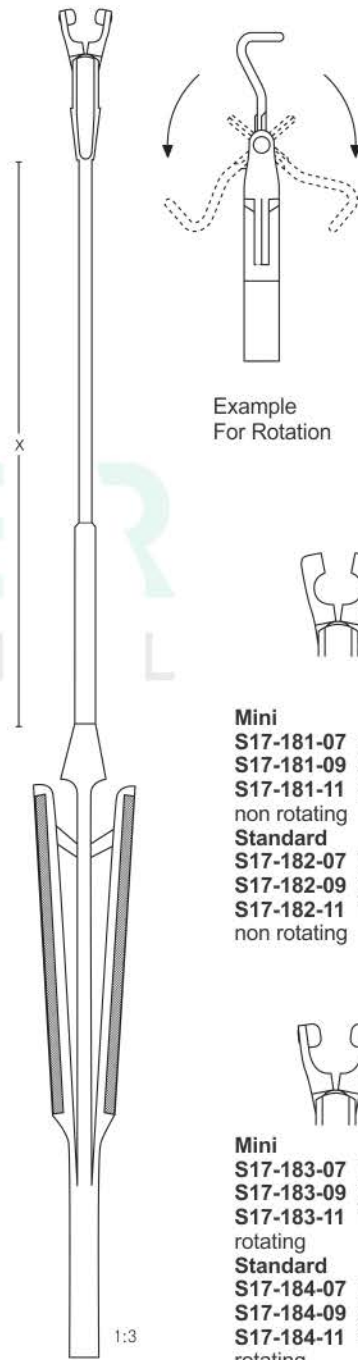
Example
For Rotation

Mini
S17-177-07 7cm
S17-177-09 9cm
S17-177-11 11cm
non rotating
Standard
S17-178-07 7cm
S17-178-09 9cm
S17-178-11 11cm
non rotating



Mini
S17-179-07 7cm
S17-179-09 9cm
S17-179-11 11cm
rotating
Standard
S17-180-07 7cm
S17-180-09 9cm
S17-180-11 11cm
rotating

Applying Forceps
For Yasargil Clips
Malleable



Example
For Rotation

Mini
S17-181-07 7cm
S17-181-09 9cm
S17-181-11 11cm
non rotating
Standard
S17-182-07 7cm
S17-182-09 9cm
S17-182-11 11cm
non rotating



Mini
S17-183-07 7cm
S17-183-09 9cm
S17-183-11 11cm
rotating
Standard
S17-184-07 7cm
S17-184-09 9cm
S17-184-11 11cm
rotating

Applying Forceps
For Yasargil Clips
Rigid

clips und anlegezangen
 Clips et pinces a appliquer

 Clips y aplicadores
 Clips e pinze per mettere clips

S17-188-01
 7mm

S17-188-02
 9mm

S17-188-03
 9mm

S17-188-04
 9mm

S17-188-05
 9mm

"Standard"

 "Standard" Micro Vessel and
 Aneurysm Clips, made of SMO-Steel

S17-188-01 length of jaws 7mm, straight

S17-188-02 length of jaws 9mm, straight

S17-188-03 length of jaws 9mm, angular

S17-188-04 length of jaws 9mm, slightly curved

S17-188-05 length of jaws 9mm, strong curved

Clip Applying Forceps
 for standard vessel clips
S17-187-18 18cm
S17-187-22 22cm

S17-190-01
 4mm

S17-190-02
 6mm

S17-190-03
 5mm

S17-190-04
 7mm

"Mini"

 "Mini" Micro Vessel and Aneurysm
 Clips, made of SMO-steel

S17-190-01 length of jaws 4mm, straight

S17-190-02 length of jaws 6mm, straight

S17-190-03 length of jaws 5mm, curved

S17-190-04 length of jaws 7mm, curved

Clip Applying Forceps
 for Mini vessel clips
S17-189-18 18cm
S17-189-22 22cm


1:2

Clip Applying Forceps

For Mini Vessel Clips
S17-191-18 18cm
For Standard Vessel Clips
S17-192-18 18cm
 Applying Forceps
 Straight with catch

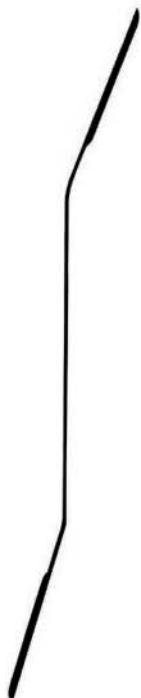
Standard
S17-193-18 18cm
S17-193-22 22cm
Mini
S17-194-18 18cm
S17-194-22 22cm
 Applying Forceps
 Bayonet Shape with catch

Gehirnspatel und Nervenretraktoren
Espátulas cerebrales y retractores nerviosos
Spatules cérébrales et écarteurs nerveux
Spatole cerebrali e divaricatori nervosi


1:2



1:2



1:2



Cushing, brain spatula
S17-200-07 7mm x 9mm
S17-200-11 11mm x 13mm
S17-200-15 15mm x 18mm
S17-200-18 18mm x 22mm
 18cm

Olivecrona
S17-201-18
 brain spatula
 18cm

Brain Spatula
S17-202-07 7mm x 9mm
S17-202-11 11mm x 13mm
S17-202-15 15mm x 18mm
S17-202-18 18mm x 22mm
 18cm Convex

Brain Spatula
S17-203-07 7mm x 9mm
S17-203-11 11mm x 13mm
S17-203-15 15mm x 18mm
S17-203-18 18mm x 22mm
 18cm Concave

Heifetz, brain spatula
S17-204-08 8mm
S17-204-11 11mm
S17-204-14 14mm
S17-204-17 17mm
S17-204-20 20mm
 20cm Malleable

Scoville, Nerve Root Retractor
S17-274-23 23cm
 8mm



1:2



1:1



1:2



1:2

Holsher Nerve Root Retractor
S17-356-24 24cm
 7mm

Martin Nerve Root Retractor
S17-270-20 20cm
 7mm

Love Nerve Dura Hook Retractor
S17-271-00 19cm
 Straight

Love Nerve Dura Hook Retractor
S17-271-45 19cm
 45° Angled

Love Nerve Dura Hook Retractor
S17-271-90 19cm
 90° Angled

Nervenhaken - Durahaken

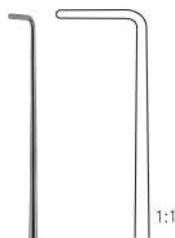
Crochets a nerfs - Crochets pour duremers

Ganchos para nervios - Ganchos para duramadre

Uncini per nervi - Uncini per duramadre



**Smithwick Nerve
Dura Hook**
S17-209-17 17cm
S17-209-21 21cm



**Hoehn Nerve
Dura Hook**
S17-210-22 22cm



**Cushing Nerve
Dura Hook**

H11-035-19 19cm
H11-035-28 28cm



H11-035-39 19cm
H11-035-48 28cm



**Graham Nerve
Dura Hook**
H11-027-16 16cm



**Frazier Nerve
Dura Hook**
S17-211-17 17cm



**Dandy Nerve
Dura Hook**
S17-212-01 20cm



**Dandy Nerve
Dura Hook**
S17-212-02 20cm



**Dandy Nerve
Dura Hook**
S17-212-03 20cm



**Adson Nerve
Dura Hook**

S17-213-20 20cm

S17-214-20 20cm



**Groningen
S17-217-26
Nerve Hook**
26.5 cm



**Groningen
S17-218-26
Nerve Hook**
26.5 cm

Nervenhaken, Nervenmesser & Durahaken
Ganchos para nervios, cuchillo para nervios y ganchos Dura
Crochets nerveux, couteau nerveux et crochets Dura
Ganci per nervi, coltello per nervi e ganci per dura


**Cushing Nerve Dura
Hook Retractor**
S17-223-14
14cm



**Frazier Nerve Dura
Hook Retractor**



S17-224-13
13cm
S17-224-18
18cm
Blunt



**Lahey Nerve Dura
Hook Retractor**
S17-225-13
13cm



S17-231-15
15cm



S17-231-19
19cm



**Halle Nerve
Dura knife**
S17-233-20 20cm



Olivecrona
S17-240-18
Dura Dissector
18 cm



Olivecrona
S17-241-20
Dura Dissector
20 cm



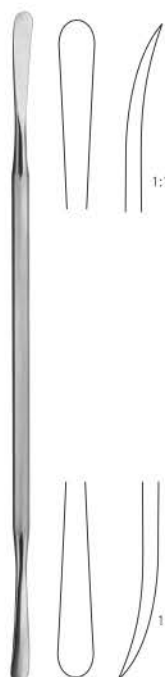
Milligan
S17-242-21
Dura Dissector
21.5 cm



Davis
S17-243-21
Dura Dissector sharp
21.5 cm



**Davis Dura
Dissector**
S17-244-24
24.5cm



Dura Dissector
S17-245-22 22cm



**Sachs Dura
Dissector**
S17-246-21 21cm



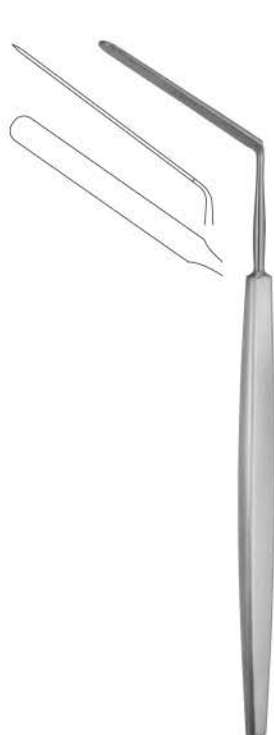
**Sachs Dura
Dissector**
S17-247-21 21cm

Dura-Dissektoren

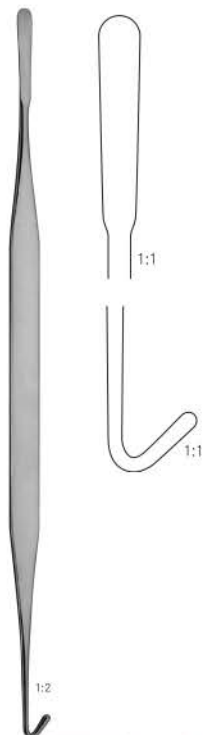
Disectores de duramadre

Decolleurs duremere

Dissetori per duramadre



Horsley Dura Dissector
S17-251-20
20cm



Smithwich Dura Dissector
S17-252-30
30.5cm



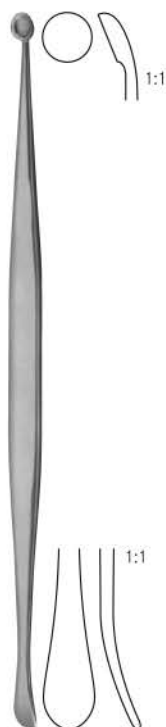
Toennis Dura Dissector
S17-253-25
25cm



Sachs Dura Dissector
S17-254-21
21cm



Yasargil Nerve Dura Hook Retractor
S17-255-21 21cm
S17-255-41 41cm
Galea retractor



Penfield Dura Dissector
H15-401-01 17.5cm



Penfield Dura Dissector
H15-401-02 19.5cm



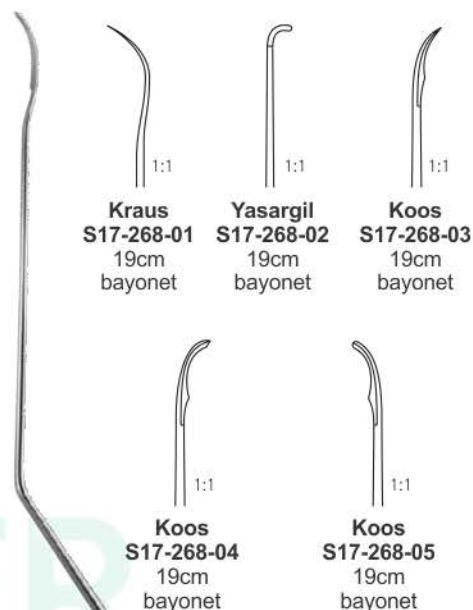
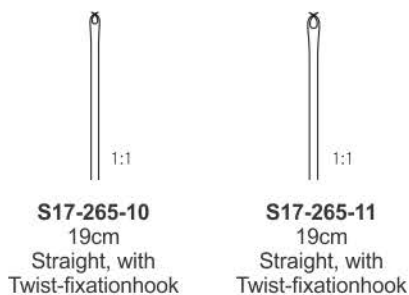
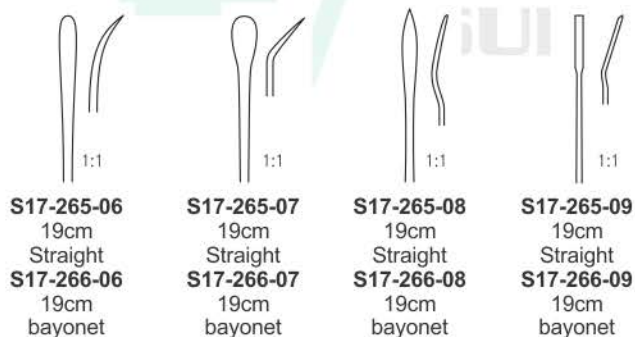
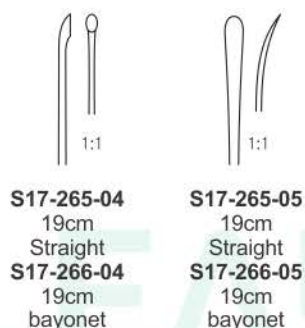
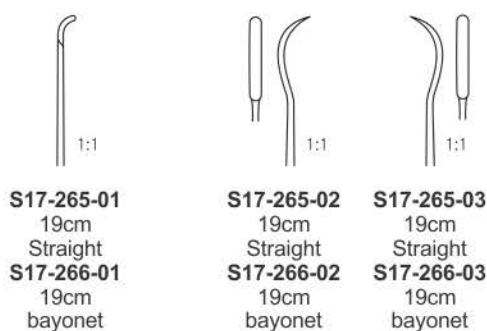
Penfield Dura Dissector
H15-401-03 19.5cm



Penfield Dura Dissector
H15-401-04 19.5cm



Penfield Dura Dissector
H15-401-05 19.5cm


 Neuro-Micro
Dissector

**Yasargil Neuro-Micro
Dissector**
S17-265-01 to S17-265-11
Straight
S17-266-01 to S17-266-09
Bayonet

Neuro-Dissektoren und kuretten

Disectores y curetas para neurocirugia

Neuro-dissecteurs et curettes

Scollatori per neuro-chirurgia



**Jacobson Neuro-Micro
Dissector
S17-270-19**
19cm



**Neuro-Micro
Dissector
S17-271-01**
19cm



**Jacobson
Neuro-Micro
Dissector
S17-271-02**
19cm



**Fisch
Neuro-Micro
Dissector
S17-271-03**
19cm



**Hardy
Neuro-Micro
Dissector
S17-273-01**
25cm
bayonet, sharp
inner edge



**Hardy
Neuro-Micro
Dissector
S17-273-02**
25cm
bayonet, sharp
inner edge



**Hardy
Neuro-Micro
Dissector
S17-273-03**
25cm
bayonet, sharp
inner edge



**Hardy
Neuro-Micro
Dissector
S17-273-04**
25cm
bayonet, sharp
inner edge



**Hardy
Neuro-Micro
Dissector
S17-277-04** 4mm
27cm
bayonet,
malleable



**Hardy
Neuro-Micro
Dissector
S17-277-06** 6mm
27cm
bayonet,
malleable

Mikrotumor-Fasszange

Fórceps de incautación de microtumores

Pince à saisir les micro-tumeurs

Pinza da presa per micro tumori

Tumor Seizing Forceps, Micro Forceps



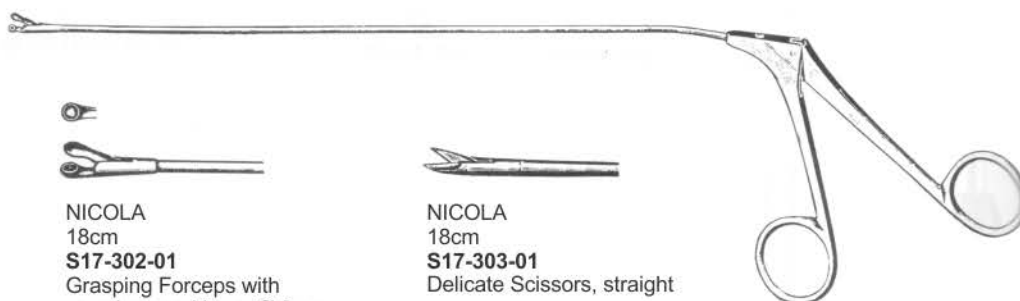
YASARGIL
18cm
S17-301-01
Alligator-type Grasping
Forceps, delicate, serrated jaws,
straight



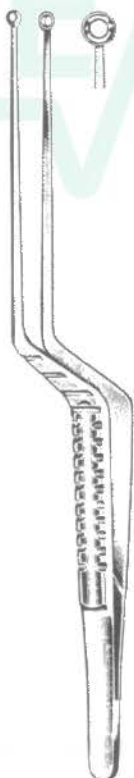
NICOLA
18cm
S17-302-01
Grasping Forceps with
round cupped jaws, Ø 2mm,
straight



NICOLA
18cm
S17-303-01
Delicate Scissors, straight



YASARGIL
Tumor Grasping Forceps
S17-431-22 22cm
round, serrated jaws,
3mm Ø, bayonet-shaped



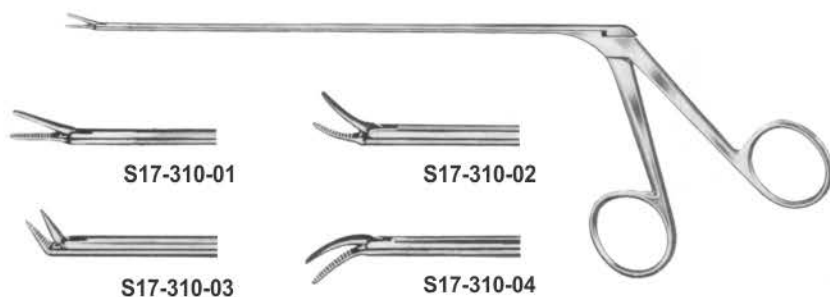
YASARGIL
Tumor Grasping Forceps
S17-431-42 22cm
round, cupped jaws,
fenestrated, Ø 5mm,
bayonet-shaped



HUNT
Tumor Grasping Forceps
S17-434-20 20cm
round, serrated jaws,
5mm Ø, angled,



HUNT
Tumor Grasping Forceps
S17-432-22 22cm
round, serrated jaws,
5mm Ø, bayonet-shaped

Mikro-Fasszange, Mikro-Schere
Micro pinzas de agarre, micro tijeras
Micro-pinces à préhension, Micro-ciseaux
Micro pinze da presa, micro forbici
Micro Grasping Forceps, Micro Scissors
 on forceps-type handle


Micro Grasping Forceps,
very delicate, serrated jaws,
length 6mm x width 0.5mm,
length of shaft 14cm

S17-310-01 straight jaws

S17-310-02 jaws angled right

S17-310-03 jaws angled left

S17-310-04 jaws angled up



Micro Grasping Forceps,
very delicate, with round cup jaws,
length of shaft 14cm

0.5mm cup

S17-311-01 straight jaws

S17-311-02 jaws angled right

S17-311-03 jaws angled left

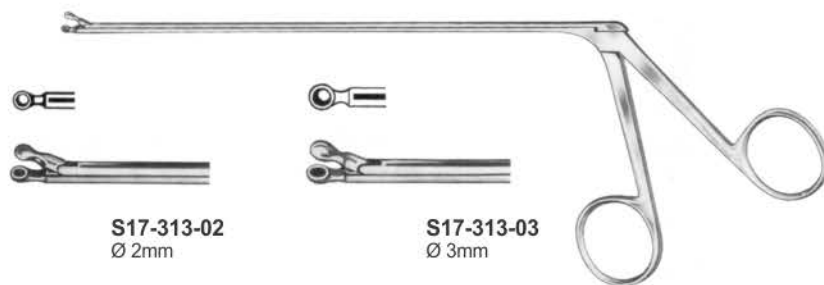
S17-311-04 jaws angled up

1.0mm cup

S17-312-01 straight jaws

S17-312-02 jaws angled right

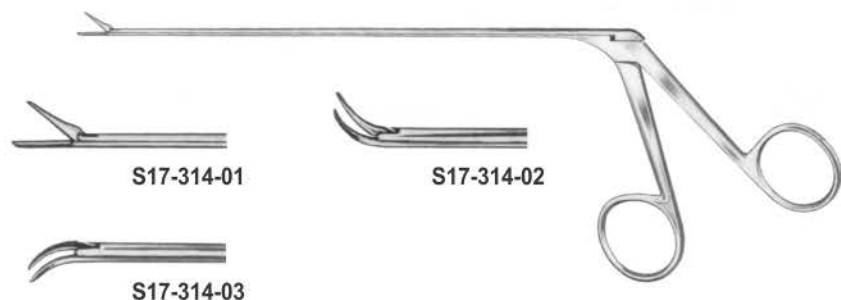
S17-312-03 jaws angled left



Micro Grasping Forceps,
very delicate, with round cup jaws,
length of shaft 14cm

S17-313-02 2mm cup, straight jaws

S17-313-03 3mm cup, straight jaws



Micro Scissors, very delicate,
cutting blades 8mm, blunt tips,
length of shaft 14cm

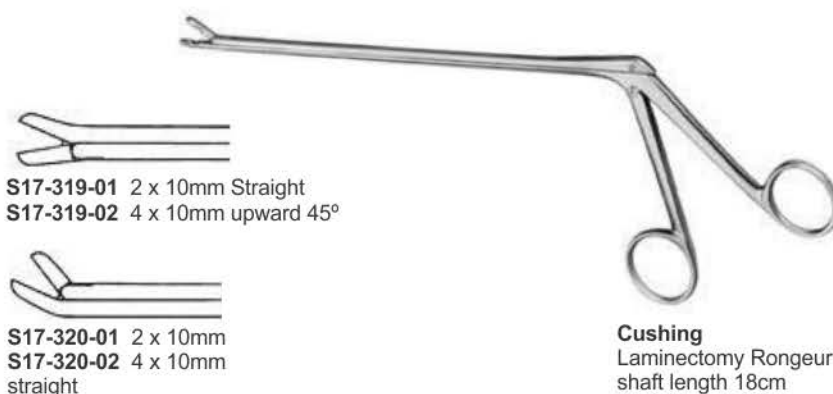
S17-314-01 straight blades

S17-314-02 blades curved right

S17-314-03 blades curved left

Laminectomiestanzen & Rongeur
Poinçons et rongeurs pour laminectomie

Punzones y gubias para laminectomía
Punzoni e rongeurs per laminectomia



Cushing Intervertebral Disc Rongeurs
2 X 10mm, 13cm
S17-322-01 Straight
S17-322-02 UP
S17-322-03 Down

Love-Gruenwald Intervertebral Disc Rongeurs
3 X 10mm, 13cm
S17-323-01 Straight
S17-323-02 Up
S17-323-03 Down

Spurling Intervertebral Disc Rongeurs
4 X 10mm, 13cm
S17-324-01 Straight
S17-324-02 Up
S17-324-03 Down



12cm
Straight



Fig. 1
3.0mm
S17-325-01



Fig. 2
3.5mm
S17-325-02



Fig. 3
4.5mm
S17-325-03



Fig. 4
5.0mm
S17-325-04



Fig. 5
5.5mm
S17-325-05



12cm
45° up

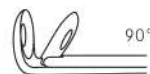
S17-326-01

S17-326-02

S17-326-03

S17-326-04

S17-326-05



12cm
90° up

S17-327-01

S17-327-02

S17-327-03



18cm
45° up

Fig. 1
3.0mm
S17-328-01

Fig. 2
3.5mm
S17-328-02

Fig. 3
4.5mm
S17-328-03

Fig. 4
5.0mm
S17-328-04

Fig. 5
5.5mm
S17-328-05



18cm 7"
90° up

S17-329-01

S17-329-02

S17-329-03

S17-329-04

Laminektomiestanzen & Rongeurs
Poinçons et rongeurs pour laminectomie

Punzones y gubias para laminectomía
Punzoni e rongeurs per laminectomia

**Cushing Intervertebral
Disc Rongeurs**

2 X 10mm, 15cm	1.5 X 10mm, 18cm	2 X 10mm, 18cm	1.5 X 10mm, 23cm
S17-331-01 straight	S17-332-01 straight	S17-333-01 straight	S17-334-01 straight
S17-331-02 UP	S17-332-02 Up	S17-333-02 UP	S17-334-02 Up
S17-331-03 Down	S17-332-03 Down	S17-333-03 Down	S17-334-03 Down
2 X 10mm, 23cm	2 X 10mm, 25.5cm	2 X 10mm, 28cm	2 X 10mm, 30.5cm
S17-336-01 straight	S17-337-01 straight	S17-338-01 straight	S17-339-01 straight
S17-336-02 UP	S17-337-02 UP	S17-338-02 UP	S17-339-02 UP
S17-336-03 Down	S17-337-03 Down	S17-338-03 Down	S17-339-03 Down


**Love-Gruenwald
Intervertebral Disc Rongeurs**

3 X 10mm, 15cm	3 X 10mm, 18cm	3 X 10mm, 23cm
S17-341-01 straight	S17-342-01 straight	S17-343-01 straight
S17-341-02 Up	S17-342-02 Up	S17-343-02 Up
S17-341-03 Down	S17-342-03 Down	S17-343-03 Down
3 X 10mm, 25.5cm	3 X 10mm, 28cm	3 X 10mm, 30.5cm
S17-344-01 straight	S17-345-01 straight	S17-346-01 straight
S17-344-02 Up	S17-345-02 Up	S17-346-02 Up
S17-344-03 Down	S17-345-03 Down	S17-346-03 Down


**Spurling Intervertebral
Disc Rongeurs**

4 X 10mm, 15cm	4 X 10mm, 18cm	4 X 10mm, 23cm
S17-347-01 straight	S17-348-01 straight	S17-349-01 straight
S17-347-02 Up	S17-348-02 Up	S17-349-02 Up
S17-347-03 Down	S17-348-03 Down	S17-349-03 Down
4 X 10mm, 25.5cm	4 X 10mm, 28cm	4 X 10mm, 30.5cm
S17-350-01 straight	S17-351-01 straight	S17-352-01 straight
S17-350-02 Up	S17-351-02 Up	S17-352-02 Up
S17-350-03 Down	S17-351-03 Down	S17-352-03 Down

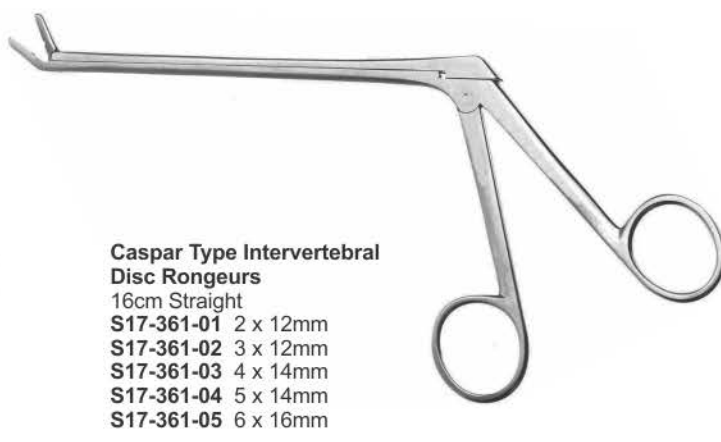




**Wilde Intervertebral
Disc Rongeurs**
 18cm Straight
S17-358-01 2.5mm
S17-358-02 3mm
S17-358-03 4mm
S17-358-04 5mm

18cm Angled up
S17-359-01 2.5mm
S17-359-02 3mm
S17-359-03 4mm
S17-359-04 5mm

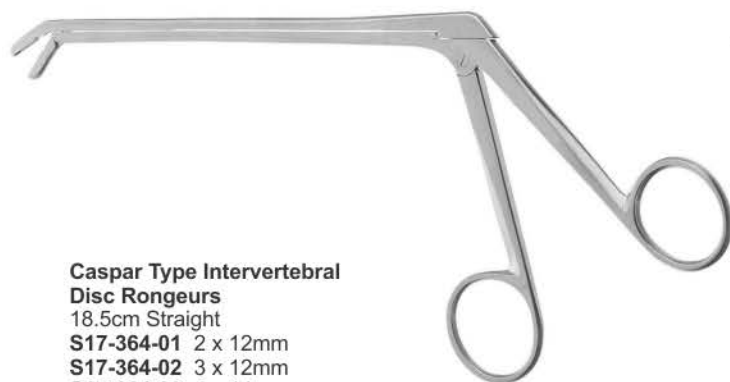
23.5cm Straight
S17-360-01 3mm
S17-360-02 4mm
S17-360-03 5mm



**Caspar Type Intervertebral
Disc Rongeurs**
 16cm Straight
S17-361-01 2 x 12mm
S17-361-02 3 x 12mm
S17-361-03 4 x 14mm
S17-361-04 5 x 14mm
S17-361-05 6 x 16mm

16cm Up
S17-362-01 3 x 12mm
S17-362-02 4 x 14mm
S17-362-03 5 x 14mm

16cm Down
S17-363-01 3 x 12mm
S17-363-02 4 x 14mm



**Caspar Type Intervertebral
Disc Rongeurs**
 18.5cm Straight
S17-364-01 2 x 12mm
S17-364-02 3 x 12mm
S17-364-03 4 x 14mm
S17-364-04 5 x 14mm
S17-364-05 6 x 16mm

18.5cm Up
S17-365-01 2 x 12mm
S17-365-02 3 x 12mm
S17-365-03 4 x 14mm
S17-365-04 5 x 14mm

18.5cm Down
S17-366-01 2 x 12mm
S17-366-02 3 x 12mm
S17-366-03 4 x 14mm



**Cushing Intervertebral
Disc Rongeurs**
 w/teeth 2 x 10mm, 18cm
S17-367-01 Straight
S17-367-02 Up
S17-367-03 Down

**L-G Intervertebral
Disc Rongeurs**
 w/teeth 3 x 10mm, 18cm
S17-368-01 Straight
S17-368-02 Up
S17-368-03 Down

3 x 10mm, 25.5cm
S17-369-01 Straight

Laminektomiestanzen & Rongeurs
Poinçons et rongeurs pour laminectomie

Punzones y gubias para laminectomía
Punzoni e rongeurs per laminectomia



**Schlesinger Intervertebral
Disc Rongeurs**

S17-370-01 2 x 10mm, 13cm Straight
S17-370-02 3 x 10mm, 13cm Straight
S17-370-03 4 x 10mm, 13cm Straight
S17-370-04 3 x 10mm, 13cm Angled Up



**Cloward Intervertebral
Disc Rongeurs**

serrated 6 x 10mm, 13cm
S17-371-01 Straight
S17-371-02 Up
S17-371-03 Down



**Oldberg Intervertebral
Disc Rongeurs**

S17-372-01 6mm Diameter
 18.5cm



**Selverstone Intervertebral
Disc Rongeurs**

S17-373-01 2 x 3mm, 15cm
S17-373-02 2 x 5mm, 15cm

Laminektomie-Rongeur und Mikrozangen
Pinzas gubias para laminectomía y microcopas
Pinces à laminectomie et pinces à micro-cuvettes
Rondelle per laminectomia e pinze per microcoppe
**Decker Intervertebral
Disc Rongeurs**

2 x 5mm, 15cm

S17-376-01 Right

S17-376-02 Left

S17-376-03 Down

S17-376-04 Up

S17-376-05 Straight

**Jackson Intervertebral
Disc Rongeurs**

70° Up 18cm

S17-377-01 2 x 8mm

S17-377-02 3 x 8mm

S17-377-03 4 x 8mm

**Williams Style Micro Disc
Intervertebral Disc Rongeurs**

1 x 2 teeth, Straight

S17-378-01 14cm

S17-378-02 18cm

S17-378-03 25.5cm

Micro Cup Forceps

14cm, 0.5mm

S17-383-01 Straight

S17-383-02 Right

S17-383-03 Left

Micro Cup Forceps

14cm 1mm

S17-384-01 Straight

S17-384-02 Right

S17-384-03 Left

14cm 2mm

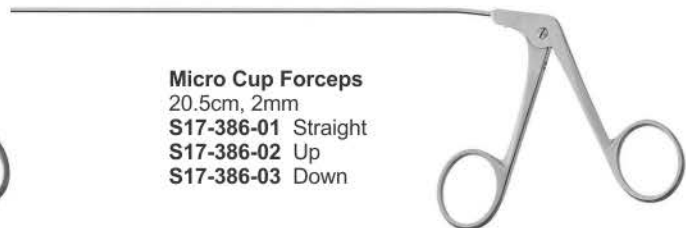
S17-385-01 Straight

Micro Cup Forceps

20.5cm, 2mm

S17-386-01 Straight

S17-386-02 Up

S17-386-03 Down




**Peapod Intervertebral
Disc Rongeurs**

14cm	18cm
S17-391-01 Straight 2.0mm	S17-392-01
S17-391-02 Straight 2.5mm	S17-392-02
S17-391-03 Straight 3mm	S17-392-03
S17-391-04 Straight 4mm	S17-392-04
S17-391-11 Angle up 2mm	S17-392-11
S17-391-12 Angle up 2.5mm	S17-392-12
S17-391-13 Angle up 3mm	S17-392-13
S17-391-14 Angle up 4mm	S17-392-14



**Spurling Intervertebral
Disc Rongeurs**

w/teeth 4 x 10mm, 18cm

S17-394-01 Straight

S17-394-02 Up

S17-394-03 Down

4 x 10mm, 25.5cm

S17-395-01 Straight

5 x 10mm, 25.5cm

S17-395-01 Straight



Ferris-Smith Intervertebral Disc Rongeurs

18cm straight

S17-398-01 2 x 10mm

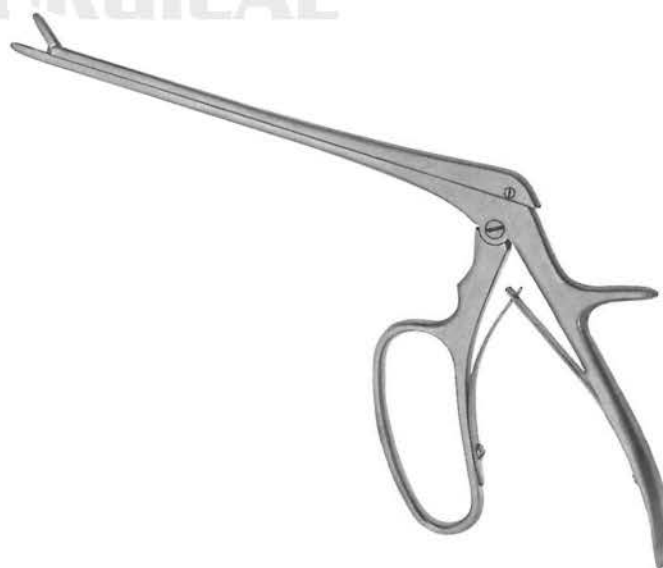
S17-398-02 3 x 10mm

S17-398-03 4 x 8mm

S17-398-04 4 x 10mm

S17-398-05 6 x 10mm

S17-398-06 6 x 12mm



Ferris-Smith Intervertebral Disc Rongeurs

18cm Up

S17-399-01 2 x 10mm

S17-399-02 3 x 10mm

S17-399-03 4 x 10mm

S17-399-04 6 x 10mm

18cm Down

S17-400-01 2 x 10mm

S17-400-02 3 x 10mm

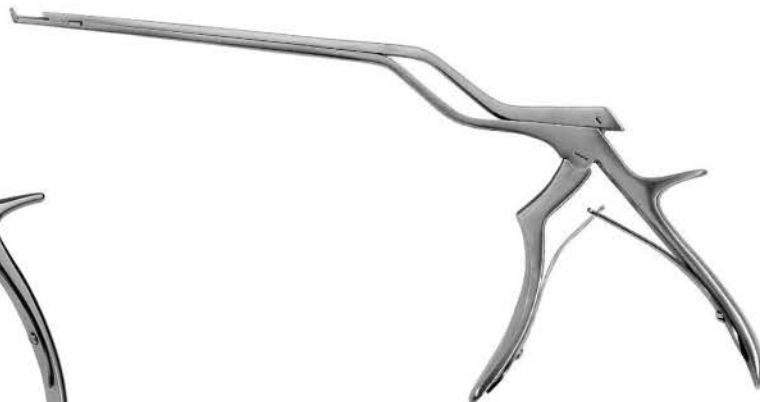
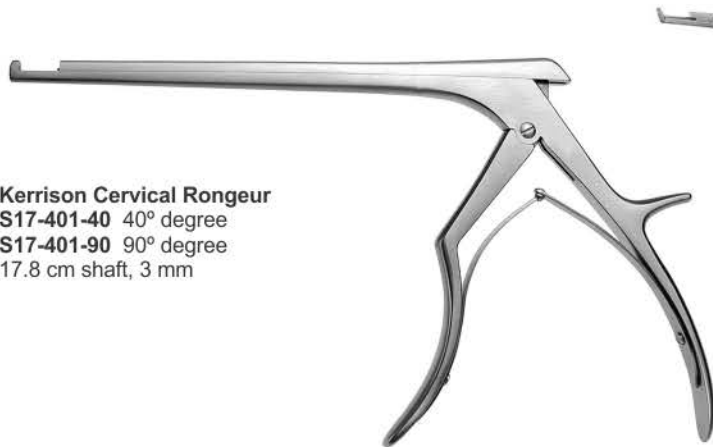
S17-400-03 4 x 10mm

S17-400-04 6 x 10mm

Kerrison Cervical Rongeur
S17-401-40 40° degree

S17-401-90 90° degree

17.8 cm shaft, 3 mm


Bayonet Micro Kerrison
Laminectomy Rongeurs

40° Up, 150 mm Working Length 20.5cm

S17-408-01 1mm

S17-408-02 2mm

S17-408-03 3mm

S17-408-04 4mm

S17-408-05 5mm

S17-408-06 6mm

90° Up, 150 mm Working Length 20.5cm

S17-409-01 1mm

S17-409-02 2mm

S17-409-03 3mm

S17-409-04 4mm

S17-409-05 5mm

S17-409-06 6mm

Bayonet Spurling Kerrison
Laminectomy Rongeurs

40° Up, 150 mm Working Length 20.5cm

S17-410-01 1mm

S17-410-02 2mm

S17-410-03 3mm

S17-410-04 4mm

S17-410-05 5mm

S17-410-06 6mm

90° Up, 150 mm Working Length 20.5cm

S17-411-01 1mm

S17-411-02 2mm

S17-411-03 3mm

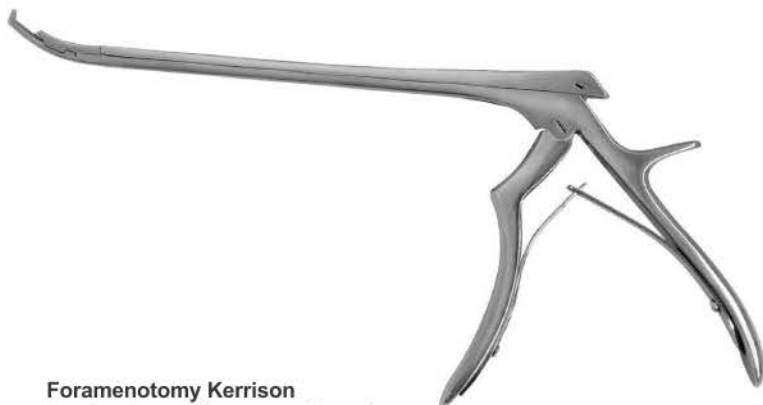
S17-411-04 4mm

S17-411-05 5mm

S17-411-06 6mm

Schlesinger Cervical Rongeur
S17-404-15

thin tips, 15 cm shaft, up-bite, 3 mm


Foramenotomy Kerrison
Laminectomy Rongeurs, Curved
S17-406-01 UP, 9mm Bite opening, 20.5cm 2mm

S17-406-02 UP, 9mm Bite opening, 20.5cm 3mm

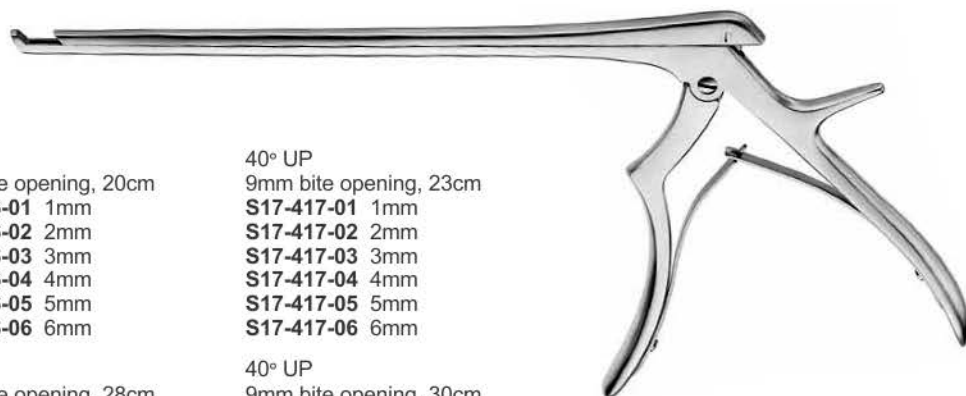
S17-406-03 UP, 9mm Bite opening, 20.5cm 4mm

S17-406-04 UP, 9mm Bite opening, 20.5cm 5mm

S17-406-05 UP, 9mm Bite opening, 20.5cm 6mm

S17-406-15 Left, 9mm Bite opening, 20.5cm 6mm

S17-406-25 Right, 9mm Bite opening, 20.5cm 6mm



**Micro Kerrison Laminectomy Rongeurs
UPWARD Small Handle**

40° UP
9mm bite opening, 18cm
S17-415-01 1mm
S17-415-02 2mm
S17-415-03 3mm
S17-415-04 4mm
S17-415-05 5mm
S17-415-06 6mm

40° UP
9mm bite opening, 25cm
S17-418-01 2mm
S17-418-02 3mm
S17-418-03 4mm
S17-418-04 5mm
S17-418-05 6mm

40° Down
9mm bite opening, 18cm
S17-421-01 1mm
S17-421-02 2mm
S17-421-03 3mm
S17-421-04 4mm
S17-421-05 5mm
S17-421-06 6mm

40° Down
9mm bite opening, 25cm
S17-424-01 2mm
S17-424-02 3mm
S17-424-03 4mm
S17-424-04 5mm
S17-424-05 6mm

90° UP
9mm bite opening, 18cm
S17-427-01 1mm
S17-427-02 2mm
S17-427-03 3mm
S17-427-04 4mm
S17-427-05 5mm
S17-427-06 6mm

90° UP
9mm bite opening, 25cm
S17-430-01 2mm
S17-430-02 3mm
S17-430-03 4mm
S17-430-04 5mm
S17-430-05 6mm

90° Down
9mm bite opening, 18cm
S17-433-01 1mm
S17-433-02 2mm
S17-433-03 3mm
S17-433-04 4mm
S17-433-05 5mm
S17-433-06 6mm

90° Down
9mm bite opening, 25cm
S17-436-01 2mm
S17-436-02 3mm
S17-436-03 4mm
S17-436-04 5mm
S17-436-05 6mm

40° UP
9mm bite opening, 20cm
S17-416-01 1mm
S17-416-02 2mm
S17-416-03 3mm
S17-416-04 4mm
S17-416-05 5mm
S17-416-06 6mm

40° UP
9mm bite opening, 28cm
S17-419-01 2mm
S17-419-02 3mm
S17-419-03 4mm
S17-419-04 5mm
S17-419-05 6mm

40° Down
9mm bite opening, 20cm
S17-422-01 1mm
S17-422-02 2mm
S17-422-03 3mm
S17-422-04 4mm
S17-422-05 5mm
S17-422-06 6mm

40° Down
9mm bite opening, 28cm
S17-425-01 2mm
S17-425-02 3mm
S17-425-03 4mm
S17-425-04 5mm
S17-425-05 6mm

90° UP
9mm bite opening, 20cm
S17-428-01 1mm
S17-428-02 2mm
S17-428-03 3mm
S17-428-04 4mm
S17-428-05 5mm
S17-428-06 6mm

90° UP
9mm bite opening, 28cm
S17-431-01 2mm
S17-431-02 3mm
S17-431-03 4mm
S17-431-04 5mm
S17-431-05 6mm

90° Down
9mm bite opening, 20cm
S17-434-01 1mm
S17-434-02 2mm
S17-434-03 3mm
S17-434-04 4mm
S17-434-05 5mm
S17-434-06 6mm

90° Down
9mm bite opening, 28cm
S17-437-01 2mm
S17-437-02 3mm
S17-437-03 4mm
S17-437-04 5mm
S17-437-05 6mm

40° UP
9mm bite opening, 23cm
S17-417-01 1mm
S17-417-02 2mm
S17-417-03 3mm
S17-417-04 4mm
S17-417-05 5mm
S17-417-06 6mm

40° UP
9mm bite opening, 30cm
S17-420-01 2mm
S17-420-02 3mm
S17-420-03 4mm
S17-420-04 5mm
S17-420-05 6mm

40° Down
9mm bite opening, 23cm
S17-423-01 1mm
S17-423-02 2mm
S17-423-03 3mm
S17-423-04 4mm
S17-423-05 5mm
S17-423-06 6mm

40° Down
9mm bite opening, 30cm
S17-426-01 2mm
S17-426-02 3mm
S17-426-03 4mm
S17-426-04 5mm
S17-426-05 6mm

90° UP
9mm bite opening, 23cm
S17-429-01 1mm
S17-429-02 2mm
S17-429-03 3mm
S17-429-04 4mm
S17-429-05 5mm
S17-429-06 6mm

90° UP
9mm bite opening, 30cm
S17-432-01 2mm
S17-432-02 3mm
S17-432-03 4mm
S17-432-04 5mm
S17-432-05 6mm

90° Down
9mm bite opening, 23cm
S17-435-01 1mm
S17-435-02 2mm
S17-435-03 3mm
S17-435-04 4mm
S17-435-05 5mm
S17-435-06 6mm

90° Down
9mm bite opening, 30cm
S17-438-01 2mm
S17-438-02 3mm
S17-438-03 4mm
S17-438-04 5mm
S17-438-05 6mm



**Micro Kerrison Laminectomy Rongeurs
Downward Cutting Small Handle**



**Micro Kerrison Laminectomy Rongeurs
Upward Cutting Small Handle**



**Micro Kerrison Laminectomy Rongeurs
Downward Cutting Small Handle**

40° UP Cutting, 15mm Bite Opening, 18cm

S17-451-01 2.0 x 2.0mm S17-466-01
S17-451-02 2.5 x 2.5mm S17-466-02
S17-451-03 2.0 x 3.0mm S17-466-03
S17-451-04 3.0 x 4.0mm S17-466-04
S17-451-05 4.0 x 5.0mm S17-466-05
S17-451-06 5.0 x 5.0mm S17-466-06
S17-451-07 6.0 x 5.0mm S17-466-07

40° UP Cutting, 15mm Bite Opening, 20cm

S17-452-01 2.0 x 2.0mm S17-467-01
S17-452-02 2.5 x 2.5mm S17-467-02
S17-452-03 2.0 x 3.0mm S17-467-03
S17-452-04 3.0 x 4.0mm S17-467-04
S17-452-05 4.0 x 5.0mm S17-467-05
S17-452-06 5.0 x 5.0mm S17-467-06
S17-452-07 6.0 x 5.0mm S17-467-07

40° UP Cutting, 15mm Bite Opening, 23cm

S17-453-01 2.0 x 2.0mm S17-468-01
S17-453-02 2.5 x 2.5mm S17-468-02
S17-453-03 2.0 x 3.0mm S17-468-03
S17-453-04 3.0 x 4.0mm S17-468-04
S17-453-05 4.0 x 5.0mm S17-468-05
S17-453-06 5.0 x 5.0mm S17-468-06
S17-453-07 6.0 x 5.0mm S17-468-07

40° UP Cutting, 15mm Bite Opening, 25cm

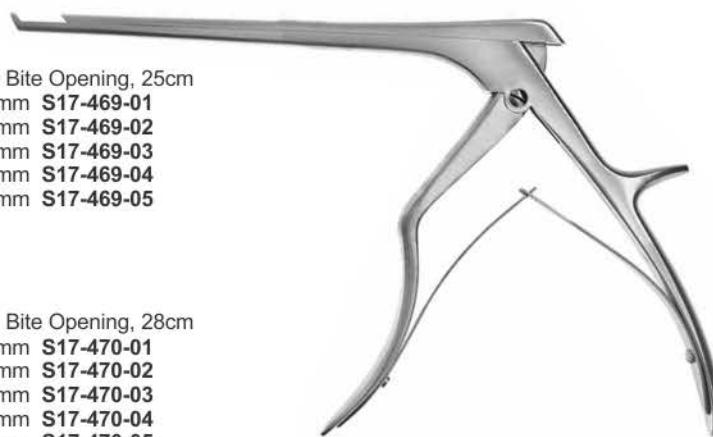
S17-454-01 2.0 x 3.0mm S17-469-01
S17-454-02 3.0 x 4.0mm S17-469-02
S17-454-03 4.0 x 5.0mm S17-469-03
S17-454-04 5.0 x 5.0mm S17-469-04
S17-454-05 6.0 x 5.0mm S17-469-05

40° UP Cutting, 15mm Bite Opening, 28cm

S17-455-01 2.0 x 3.0mm S17-470-01
S17-455-02 3.0 x 4.0mm S17-470-02
S17-455-03 4.0 x 5.0mm S17-470-03
S17-455-04 5.0 x 5.0mm S17-470-04
S17-455-05 6.0 x 5.0mm S17-470-05

40° UP Cutting, 15mm Bite Opening, 30cm

S17-456-01 2.0 x 3.0mm S17-471-01
S17-456-02 3.0 x 4.0mm S17-471-02
S17-456-03 4.0 x 5.0mm S17-471-03
S17-456-04 5.0 x 5.0mm S17-471-04
S17-456-05 6.0 x 5.0mm S17-471-05



kerrison Laminectomy Rongeurs



Ferris-smith Kerrison Laminectomy Rongeurs

40° Down Cutting, 15mm Bite Opening, 18cm

S17-457-01 2.0 x 2.0mm S17-472-01
S17-457-02 2.5 x 2.5mm S17-472-02
S17-457-03 2.0 x 3.0mm S17-472-03
S17-457-04 3.0 x 4.0mm S17-472-04
S17-457-05 4.0 x 5.0mm S17-472-05
S17-457-06 5.0 x 5.0mm S17-472-06
S17-457-07 6.0 x 5.0mm S17-472-07

40° Down Cutting, 15mm Bite Opening, 25cm

S17-460-01 2.0 x 3.0mm S17-475-01
S17-460-02 3.0 x 4.0mm S17-475-02
S17-460-03 4.0 x 5.0mm S17-475-03
S17-460-04 5.0 x 5.0mm S17-475-04
S17-460-05 6.0 x 5.0mm S17-475-05

40° Down Cutting, 15mm Bite Opening, 20cm

S17-458-01 2.0 x 2.0mm S17-473-01
S17-458-02 2.5 x 2.5mm S17-473-02
S17-458-03 2.0 x 3.0mm S17-473-03
S17-458-04 3.0 x 4.0mm S17-473-04
S17-458-05 4.0 x 5.0mm S17-473-05
S17-458-06 5.0 x 5.0mm S17-473-06
S17-458-07 6.0 x 5.0mm S17-473-07

40° Down Cutting, 15mm Bite Opening, 28cm

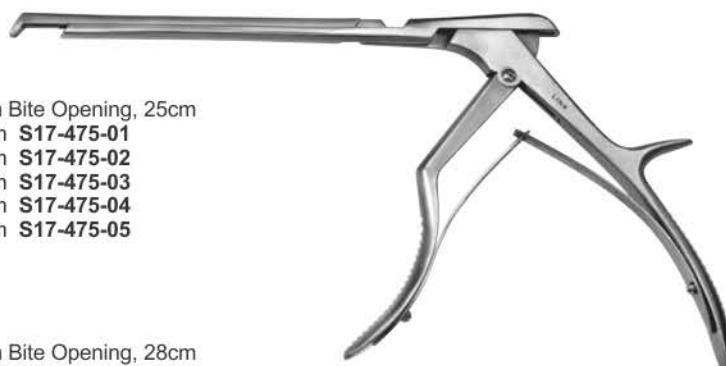
S17-461-01 2.0 x 3.0mm S17-476-01
S17-461-02 3.0 x 4.0mm S17-476-02
S17-461-03 4.0 x 5.0mm S17-476-03
S17-461-04 5.0 x 5.0mm S17-476-04
S17-461-05 6.0 x 5.0mm S17-476-05

40° Down Cutting, 15mm Bite Opening, 23cm

S17-459-01 2.0 x 2.0mm S17-474-01
S17-459-02 2.5 x 2.5mm S17-474-02
S17-459-03 2.0 x 3.0mm S17-474-03
S17-459-04 3.0 x 4.0mm S17-474-04
S17-459-05 4.0 x 5.0mm S17-474-05
S17-459-06 5.0 x 5.0mm S17-474-06
S17-459-07 6.0 x 5.0mm S17-474-07

40° Down Cutting, 15mm Bite Opening, 30cm

S17-462-01 2.0 x 3.0mm S17-477-01
S17-462-02 3.0 x 4.0mm S17-477-02
S17-462-03 4.0 x 5.0mm S17-477-03
S17-462-04 5.0 x 5.0mm S17-477-04
S17-462-05 6.0 x 5.0mm S17-477-05



kerrison Laminectomy Rongeurs



Ferris-smith Kerrison Laminectomy Rongeurs

90° UP Cutting, 15mm Bite Opening, 18cm
S17-481-01 2.0 x 2.0mm **S17-496-01**
S17-481-02 2.5 x 2.5mm **S17-496-02**
S17-481-03 2.0 x 3.0mm **S17-496-03**
S17-481-04 3.0 x 4.0mm **S17-496-04**
S17-481-05 4.0 x 5.0mm **S17-496-05**
S17-481-06 5.0 x 5.0mm **S17-496-06**
S17-481-07 6.0 x 5.0mm **S17-496-07**

90° UP Cutting, 15mm Bite Opening, 20cm
S17-482-01 2.0 x 2.0mm **S17-497-01**
S17-482-02 2.5 x 2.5mm **S17-497-02**
S17-482-03 2.0 x 3.0mm **S17-497-03**
S17-482-04 3.0 x 4.0mm **S17-497-04**
S17-482-05 4.0 x 5.0mm **S17-497-06**
S17-482-06 5.0 x 5.0mm **S17-497-07**
S17-482-07 6.0 x 5.0mm **S17-497-08**

90° UP Cutting, 15mm Bite Opening, 23cm
S17-483-01 2.0 x 2.0mm **S17-498-01**
S17-483-02 2.5 x 2.5mm **S17-498-02**
S17-483-03 2.0 x 3.0mm **S17-498-03**
S17-483-04 3.0 x 4.0mm **S17-498-04**
S17-483-05 4.0 x 5.0mm **S17-498-05**
S17-483-06 5.0 x 5.0mm **S17-498-06**
S17-483-07 6.0 x 5.0mm **S17-498-07**

90° Down Cutting, 15mm Bite Opening, 18cm
S17-487-01 2.0 x 2.0mm **S17-502-01**
S17-487-02 2.5 x 2.5mm **S17-502-02**
S17-487-03 2.0 x 3.0mm **S17-502-03**
S17-487-04 3.0 x 4.0mm **S17-502-04**
S17-487-05 4.0 x 5.0mm **S17-502-05**
S17-487-06 5.0 x 5.0mm **S17-502-06**
S17-487-07 6.0 x 5.0mm **S17-502-07**

90° Down Cutting, 15mm Bite Opening, 20cm
S17-488-01 2.0 x 2.0mm **S17-503-01**
S17-488-02 2.5 x 2.5mm **S17-503-02**
S17-488-03 2.0 x 3.0mm **S17-503-03**
S17-488-04 3.0 x 4.0mm **S17-503-04**
S17-488-05 4.0 x 5.0mm **S17-503-05**
S17-488-06 5.0 x 5.0mm **S17-503-06**
S17-488-07 6.0 x 5.0mm **S17-504-07**

90° Down Cutting, 15mm Bite Opening, 23cm
S17-489-01 2.0 x 2.0mm **S17-504-01**
S17-489-02 2.5 x 2.5mm **S17-504-02**
S17-489-03 2.0 x 3.0mm **S17-504-03**
S17-489-04 3.0 x 4.0mm **S17-504-04**
S17-489-05 4.0 x 5.0mm **S17-504-05**
S17-489-06 5.0 x 5.0mm **S17-504-06**
S17-489-07 6.0 x 5.0mm **S17-504-07**

90° UP Cutting, 15mm Bite Opening, 25cm
S17-484-01 2.0 x 3.0mm **S17-499-01**
S17-484-02 3.0 x 4.0mm **S17-499-02**
S17-484-03 4.0 x 5.0mm **S17-499-03**
S17-484-04 5.0 x 5.0mm **S17-499-04**
S17-484-05 6.0 x 5.0mm **S17-499-05**

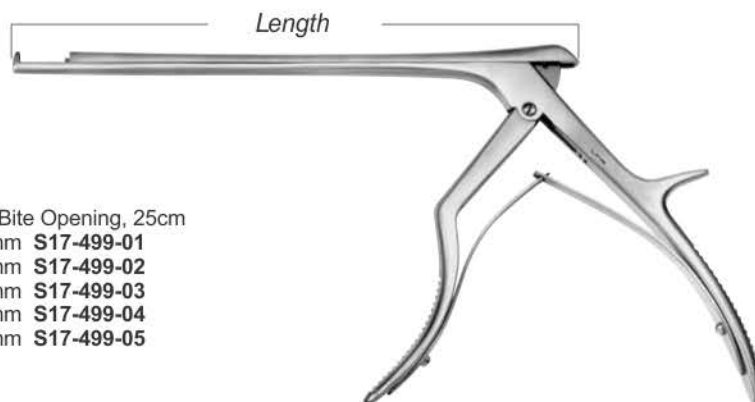
90° UP Cutting, 15mm Bite Opening, 28cm
S17-485-01 2.0 x 3.0mm **S17-500-01**
S17-485-02 3.0 x 4.0mm **S17-500-02**
S17-485-03 4.0 x 5.0mm **S17-500-03**
S17-485-04 5.0 x 5.0mm **S17-500-04**
S17-485-05 6.0 x 5.0mm **S17-500-05**

90° UP Cutting, 15mm Bite Opening, 30cm
S17-486-01 2.0 x 3.0mm **S17-501-01**
S17-486-02 3.0 x 4.0mm **S17-501-02**
S17-486-03 4.0 x 5.0mm **S17-501-03**
S17-486-04 5.0 x 5.0mm **S17-501-04**
S17-486-05 6.0 x 5.0mm **S17-501-05**

90° Down Cutting, 15mm Bite Opening, 25cm
S17-490-01 2.0 x 3.0mm **S17-505-01**
S17-490-02 3.0 x 4.0mm **S17-505-02**
S17-490-03 4.0 x 5.0mm **S17-505-03**
S17-490-04 5.0 x 5.0mm **S17-505-04**
S17-490-05 6.0 x 5.0mm **S17-505-05**

90° Down Cutting, 15mm Bite Opening, 28cm
S17-491-01 2.0 x 3.0mm **S17-506-01**
S17-491-02 3.0 x 4.0mm **S17-506-02**
S17-491-03 4.0 x 5.0mm **S17-506-03**
S17-491-04 5.0 x 5.0mm **S17-506-04**
S17-491-05 6.0 x 5.0mm **S17-506-05**

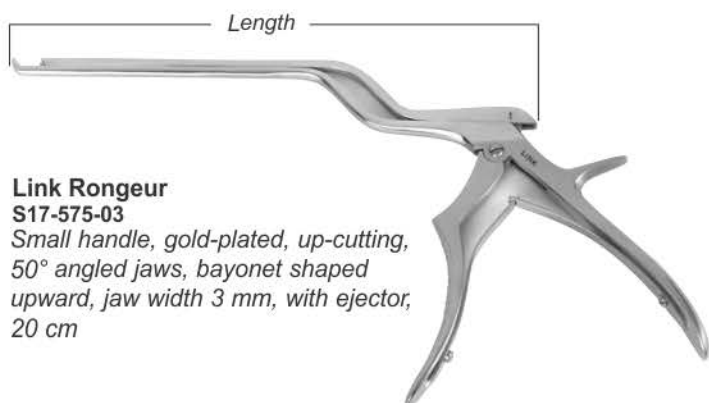
90° Down Cutting, 15mm Bite Opening, 30cm
S17-492-01 2.0 x 3.0mm **S17-507-01**
S17-492-02 3.0 x 4.0mm **S17-507-02**
S17-492-03 4.0 x 5.0mm **S17-507-03**
S17-492-04 5.0 x 5.0mm **S17-507-04**
S17-492-05 6.0 x 5.0mm **S17-507-05**


kerrison Laminectomy Rongeurs

Ferris-smith Kerrison Laminectomy Rongeurs

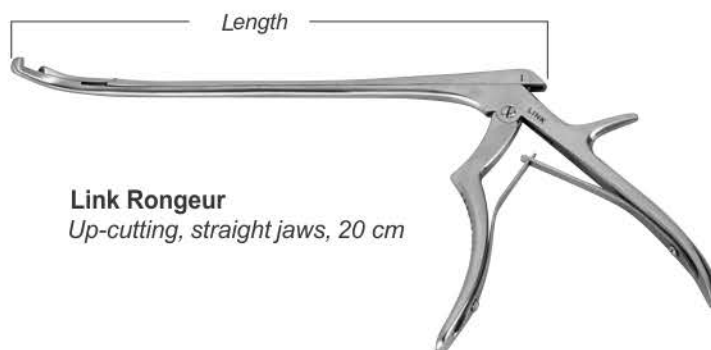
kerrison Laminectomy Rongeurs

Ferris-smith Kerrison Laminectomy Rongeurs

Laminektomie-Rongeur
Pinzas para laminectomía
Pinces à Laminectomie
Rongeurs di laminectomia


Link Rongeur
S17-575-03

Small handle, gold-plated, up-cutting, 50° angled jaws, bayonet shaped upward, jaw width 3 mm, with ejector, 20 cm



Link Rongeur

Up-cutting, straight jaws, 20 cm

Curved to left

Curved to right



Jaw size
(width x height)

S17-577-03

S17-578-03

 3,0 x 4,0 mm

S17-577-04

S17-578-04

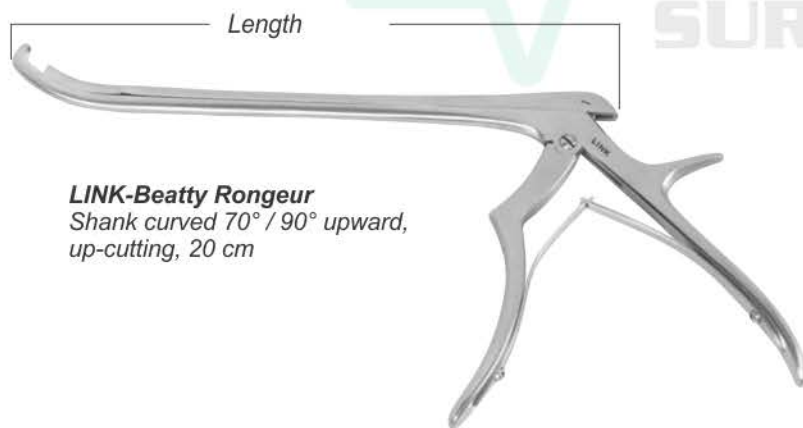
 4,0 x 4,0 mm

S17-577-05

S17-578-05

 5,0 x 4,0 mm

Lengths are measured with closed jaws



LINK-Beatty Rongeur

Shank curved 70° / 90° upward, up-cutting, 20 cm



Jaw size
(width x height)

S17-581-02

S17-582-02

 2,0 x 3,0 mm

S17-581-03

S17-582-03

 3,0 x 4,0 mm

S17-581-04

S17-582-04

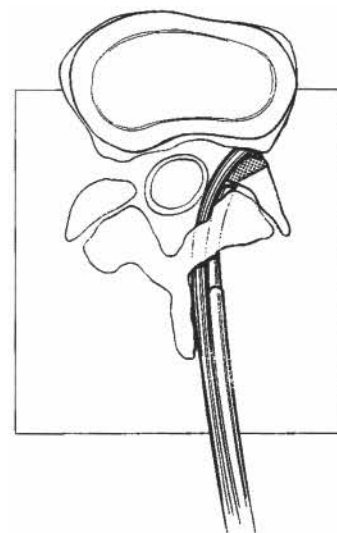
 4,0 x 4,0 mm

S17-581-05

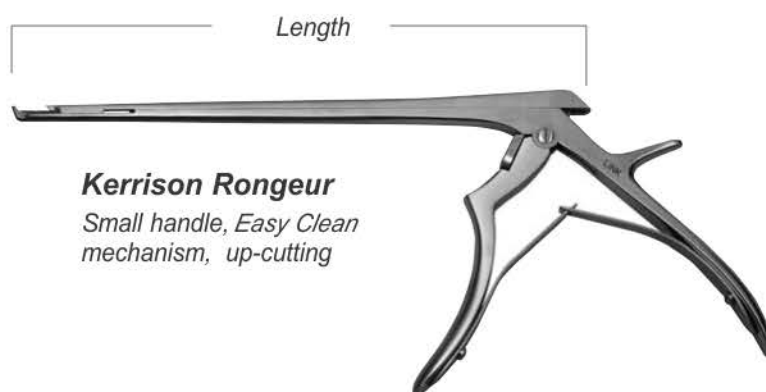
S17-582-05

 5,0 x 4,0 mm

Lengths are measured with closed jaws



The angled LINK-Beatty Rongeur allows to perform foraminotomies while preserving dorsal processes and facet joints.



50° angled jaws thin footplate			50° angled jaws		
	Jaw width	Length*		Jaw width	Length*
S17-585-02	2 mm	18 cm	S17-588-02	2 mm	18 cm
S17-585-03	3 mm	18 cm	S17-588-03	3 mm	18 cm
S17-585-04	4 mm	18 cm	S17-588-04	4 mm	18 cm
S17-585-05	5 mm	18 cm	S17-588-05	5 mm	18 cm
			S17-588-06	6 mm	18 cm
S17-586-02	2 mm	20 cm	S17-589-02	2 mm	20 cm
S17-586-03	3 mm	20 cm	S17-589-03	3 mm	20 cm
S17-586-04	4 mm	20 cm	S17-589-04	4 mm	20 cm
S17-586-05	5 mm	20 cm	S17-589-05	5 mm	20 cm
			S17-589-06	6 mm	20 cm
S17-587-02	2 mm	23 cm	S17-590-02	2 mm	23 cm
S17-587-03	3 mm	23 cm	S17-590-03	3 mm	23 cm
S17-587-04	4 mm	23 cm	S17-590-04	4 mm	23 cm
S17-587-05	5 mm	23 cm	S17-590-05	5 mm	23 cm
			S17-590-06	6 mm	23 cm

Lengths are measured with closed jaws



The EasyClean mechanism makes cleaning of the Rongeurs an easy matter

To open the EasyClean mechanism pull the handle, turn the release and lift up the pusher.

The coloured release help to recognize more easily the individual widths of the jaw.


40° UPWARD

Black Line[®] Kerrison Laminectomy Punch
40° UPWARD Jaw angle
with special titanium coating on surface
Bone ejector

40° UPWARD JAW

18cm Shaft	20cm Shaft	23cm Shaft	Bite Size
S17-595-01	S17-596-01	S17-597-01	1mm
S17-595-02	S17-596-02	S17-597-02	2mm
S17-595-03	S17-596-03	S17-597-03	3mm
S17-595-04	S17-596-04	S17-597-04	4mm
S17-595-05	S17-596-05	S17-597-05	5mm
S17-595-06	S17-596-06	S17-597-06	6mm



Reduced footplate


40° UPWARD

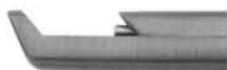
Thin Footplate Kerrison Laminectomy Punch
40° UPWARD Jaw angle
Thin Footplate For cervical surgery

40° UPWARD JAW

18cm Shaft	20cm Shaft	Bite Size
S17-598-01	S17-599-01	2mm
S17-598-02	S17-599-02	3mm
S17-598-03	S17-599-03	4mm
S17-598-04	S17-599-04	5mm
S17-598-05	S17-599-05	6mm



A reduced footplate thickness useful for a restricted operating area

40° UPWARD


Long Anterior Kerrison Laminectomy Punch
40° UPWARD Jaw angle
with special Titanium coating on surface
Extra long shaft for Thoracic approach
Bone ejector

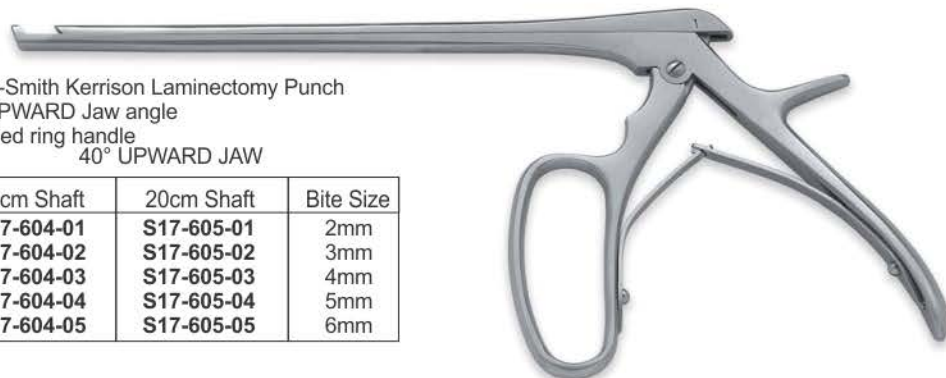
40° UPWARD JAW

28cm Shaft	Bite Size
S17-600-01	2mm
S17-600-02	3mm
S17-600-03	4mm
S17-600-04	5mm
S17-600-05	6mm


40° UPWARD


Ferris-Smith Kerrison Laminectomy Punch
40° UPWARD Jaw angle
Modified ring handle
40° UPWARD JAW

18cm Shaft	20cm Shaft	Bite Size
S17-604-01	S17-605-01	2mm
S17-604-02	S17-605-02	3mm
S17-604-03	S17-605-03	4mm
S17-604-04	S17-605-04	5mm
S17-604-05	S17-605-05	6mm



Mikro-Diskektomie-Retractor
Écarteur de micro discectomie

Retractor de micro discectomía
Divaricatore per micro discectomia

Jointed Arms



Retractor Frame
Jointed arms
Maximum
spread 70mm
S17-620-00

Retractor Frame
Rigid arms
S17-621-00

(Frame available with extra long rack 140mm spread)



Wide Muscle
Blade - 6 teeth
27mm width

- | | |
|-------------------|------------|
| S17-622-03 | 3cm Depth |
| S17-622-04 | 4cm Depth |
| S17-622-05 | 5cm Depth |
| S17-622-06 | 6cm Depth |
| S17-622-07 | 7cm Depth |
| S17-622-08 | 8cm Depth |
| S17-622-09 | 9cm Depth |
| S17-622-10 | 10cm Depth |
| S17-622-12 | 12cm Depth |

Extra Deep



Hook Blades

- | | |
|-------------------|------------|
| S17-623-02 | 2cm Depth |
| S17-623-03 | 3cm Depth |
| S17-623-04 | 4cm Depth |
| S17-623-05 | 5cm Depth |
| S17-623-06 | 6cm Depth |
| S17-623-07 | 7cm Depth |
| S17-623-08 | 8cm Depth |
| S17-623-09 | 9cm Depth |
| S17-623-10 | 10cm Depth |

Extra Deep



Narrow Muscle
Blade - 4 teeth
20mm width

- | | |
|-------------------|------------|
| S17-624-03 | 3cm Depth |
| S17-624-04 | 4cm Depth |
| S17-624-05 | 5cm Depth |
| S17-624-06 | 6cm Depth |
| S17-624-07 | 7cm Depth |
| S17-624-08 | 8cm Depth |
| S17-624-09 | 9cm Depth |
| S17-624-10 | 10cm Depth |
| S17-624-12 | 12cm Depth |

Extra Deep



Toothed Blades

- | | |
|-------------------|------------|
| S17-625-02 | 2cm Depth |
| S17-625-03 | 3cm Depth |
| S17-625-04 | 4cm Depth |
| S17-625-05 | 5cm Depth |
| S17-625-06 | 6cm Depth |
| S17-625-07 | 7cm Depth |
| S17-625-08 | 8cm Depth |
| S17-625-09 | 9cm Depth |
| S17-625-10 | 10cm Depth |

Extra Deep



Thin Muscle
Blade - 2 teeth

- | | |
|-------------------|-----------|
| S17-626-03 | 3cm Depth |
| S17-626-04 | 4cm Depth |
| S17-626-05 | 5cm Depth |
| S17-626-06 | 6cm Depth |
| S17-626-07 | 7cm Depth |
| S17-626-08 | 8cm Depth |

Mikro-Retractor für lumbale Diskektomie
Retractor de discectomía microlumbar
Micro écarteur de discectomie lombaire
Micro divaricatore per discectomia lombare


CASPAR MICRO DISCECTOMY RETRACTOR

This Retractor Set allows a micro surgery approach to Lumbar Disc
 Specula have a black surface finish to prevent glare
 Fenestrated Blades on the specula reduce the risk of movement
 During surgery

Complete Set
S17-630-00

Consisting of:

Lateral Blades	Depth	Spatula	Depth
S17-631-40	40mm	S17-632-40	40mm
S17-631-45	45mm	S17-632-45	45mm
S17-631-50	50mm	S17-632-50	50mm
S17-631-55	55mm	S17-632-55	55mm
S17-631-60	60mm	S17-632-60	60mm
S17-631-65	65mm	S17-632-65	65mm
S17-631-70	70mm	S17-632-70	70mm



S17-633-01 Counter Retractor Frame

Caspar Mikro-Retraktor für lumbale Diskektomie

Retractor de discectomía lumbar Caspar Micro

Micro écarteur de discectomie lombaire Caspar

Divaricatore per discectomia lombare Caspar Micro

Lateral Blades



Blade Ejector Forceps S17-634-00



Specula Range



Caspar Micro Discectomy Retractor Frame S17-635-00

