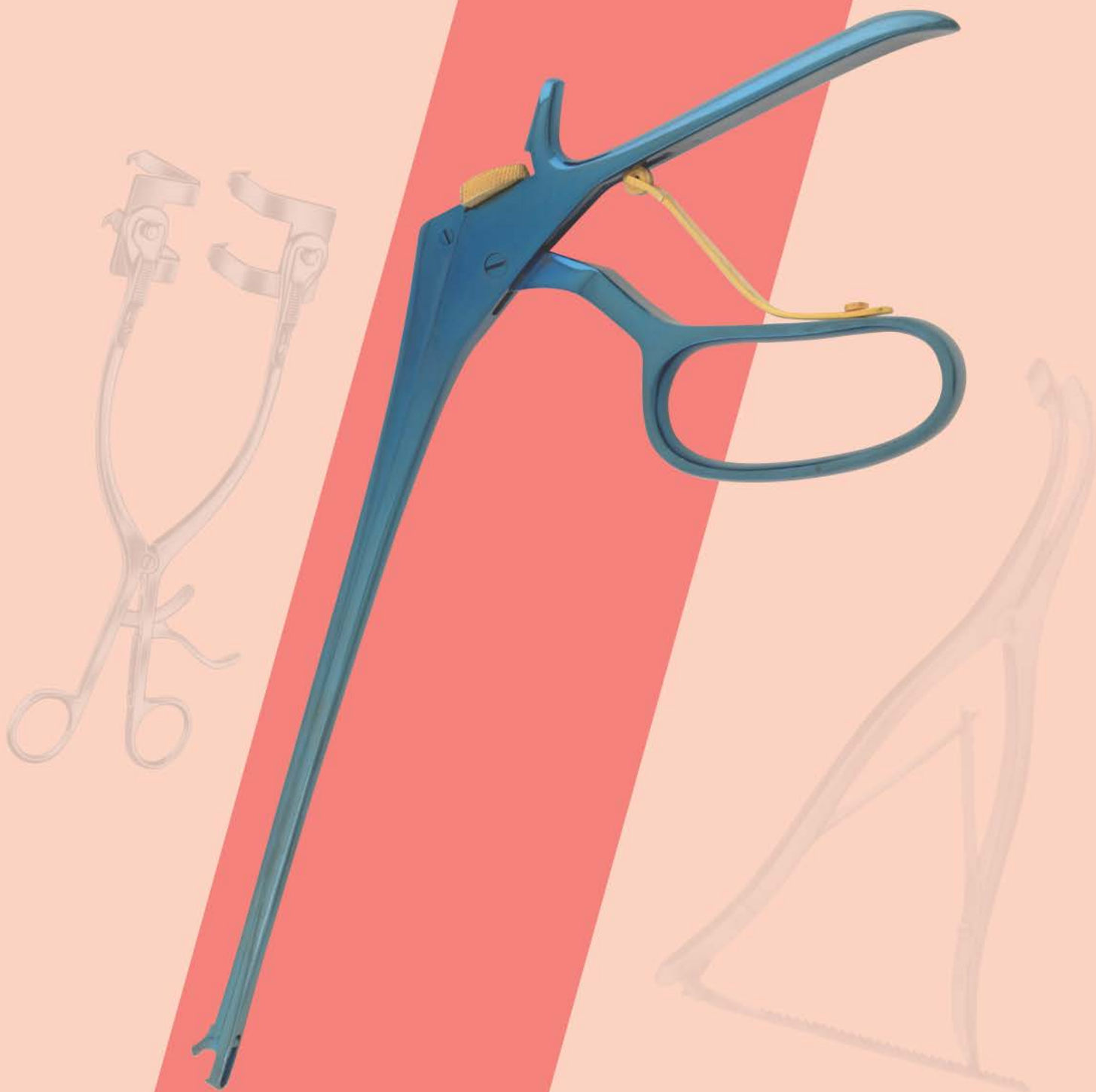




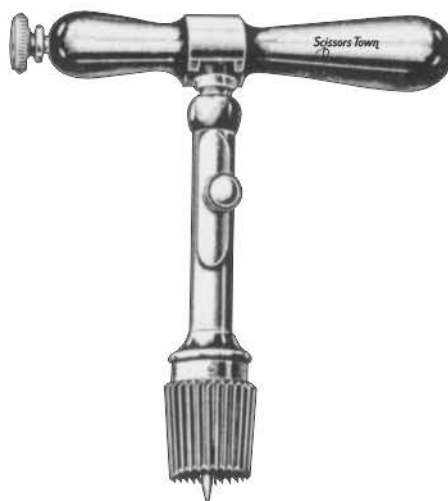
**NEUROSURGERY
INSTRUMENTS**

Perforadores a mano
Perforatori a mano

Handbohrapparate
Perforateurs a main



Hudson
Cerabellar
Extension
10cm
ST16-127-02
Hudson Brace



GALT

ST16-123-01Ø 12,5 mm
ST16-123-02Ø 16 mm
ST16-123-03Ø 19 mm



Hudson Brace
ST16-125-00
28cm with Improved
Snap-Lock chuck

Hubson, Brace Hand Drill
ST16-127-00 27cm
complete with 4 twist drills
(Fig. 1 - Fig. 4) and extension piece



1:2

Huson Hand
drill bit
Fig.1
ST16-126-01
9mm



1:2

Huson Hand
drill bit
Fig.2
ST16-126-02
14mm



1:2

Huson Hand
drill bit
Fig.3
13-126-03
16mm



1:2

Huson Hand
drill bit
Fig.4
ST16-126-04
22mm



ADSON
ST16-126-05
Ø 15mm



1:2

McKenzie
Hand drill bit
ST16-126-06
13mm



1:2

Cushing
Hand drill bit
ST16-126-07
14mm



Ø 2mm
ST16-126-08

Schadelhalter

Pinces de traction Cranienne

Pinzas de traccion cranial

Pinze per trazione craniale



Crutchfield
Traction Tongs
ST17-111-13 13cm
small

ST17-113-01



Crutchfield drill bit 3.5mm **Crutchfield drill bit** 5mm
Set of 2 Pieces for
ST17-111-13 and **ST17-112-18**



Crutchfield
Traction Tongs
ST17-112-18 18.5cm



Crutchfield Skull
ST17-115-11
large type, cervical traction tongs -
pins adjustable no drilling to be done
11cm



ST17-115-01
Wrench double-ended for

Esparcidores de láminas

Lamina-Spreizer

Spalmatori di lamina

Épandeurs de lamelles



Cloward Vertebral Cervical Spreader
ST17-121-01



Cloward Retractor
ST17-122-13 13.5 cm



Cloward Retractor
ST17-124-15 15.5 cm



Spinal Distractor
ST17-125-24 24cm
45° angle / small style
6mm rods



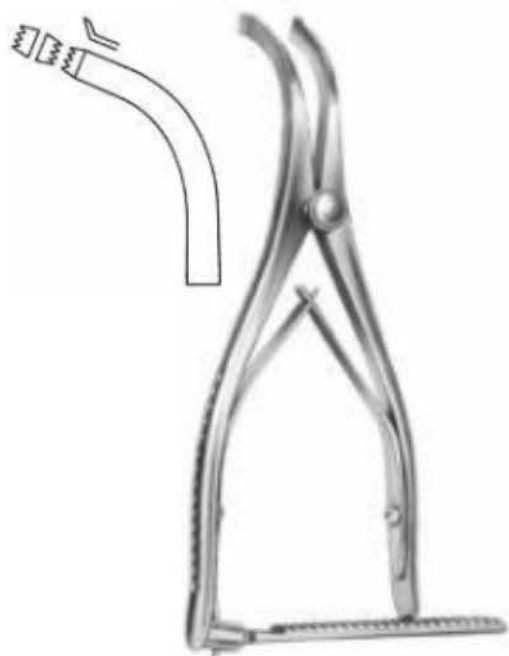
Spinal Distractor
ST17-126-25 25.5cm
small style



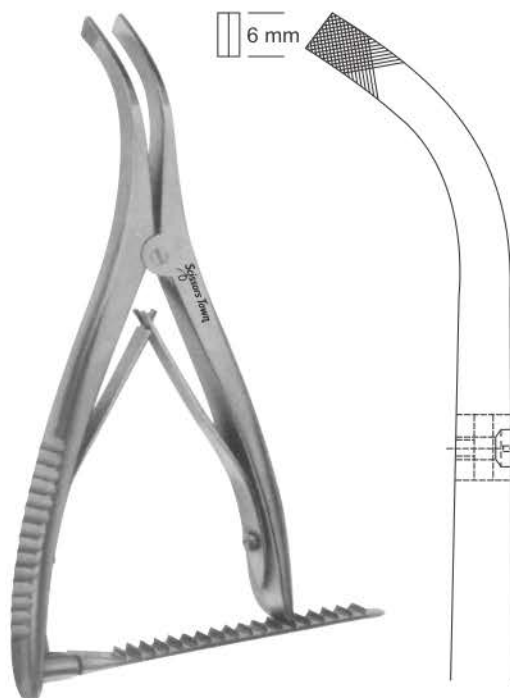
Inge Retractor
ST17-129-20 20.5cm
toothed w/spindle

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

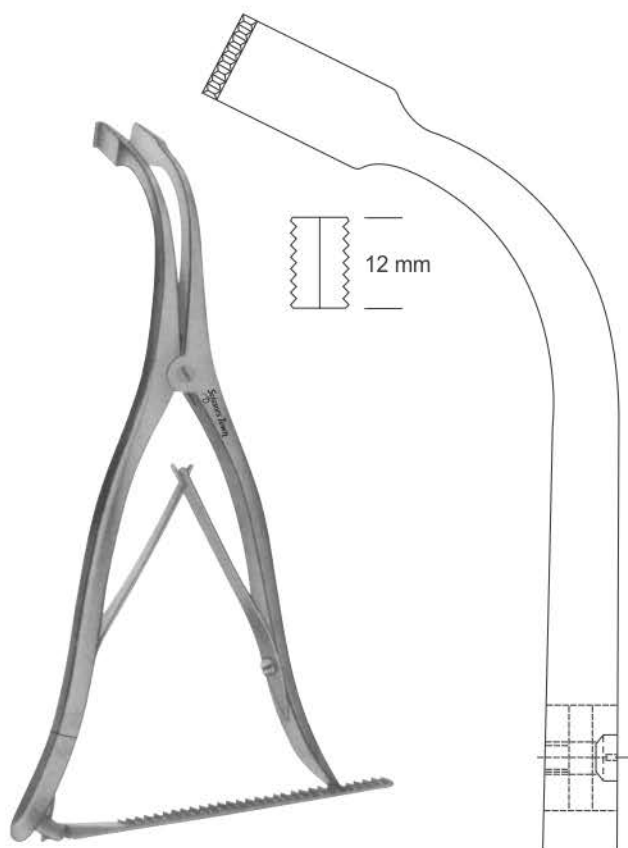
Separadores de láminas, tornillo de distracción y destornillador
Divaricatori a lamina, vite di distrazione e cacciavite



Inge
Lamina Spreader
ST17-130-16
16 cm



Inge Retractor
ST17-131-17 17 cm



Inge Retractor
ST17-132-27 27.5 cm



Supra Cut Distraction Screw
ST17-136-12 12mm
ST17-136-14 14mm
ST17-136-16 16mm
ST17-136-18 18mm



Supra Cut
Distraction
Screw Driver
ST17-137-01

Ecarteurs	Wundhaken
Divaricatori	Separadores



ST17-712-00
Frame only

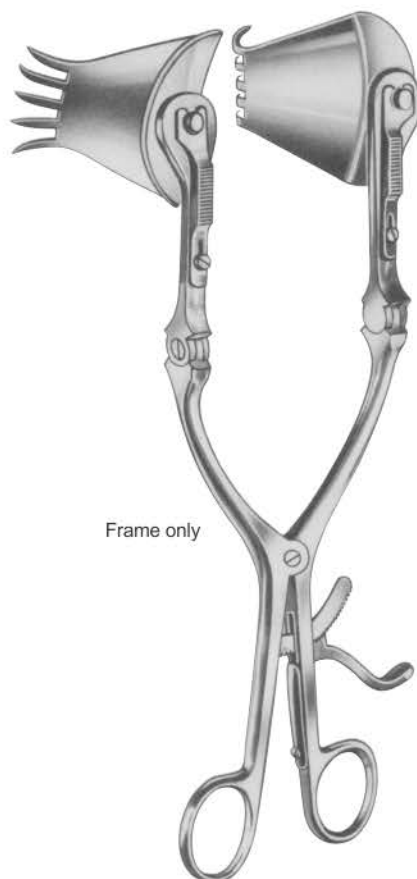
Hoen
ST17-714-00
27cm
Hemi-Laminectomy Retractor, max spread 65mm, complete with 4 lateral blades



Hoen Hemilaminectomy Retractors
Interchangeable Lateral Blades,
sharp-pronged
ST17-714-01 45x35mm
ST17-714-02 45x45mm

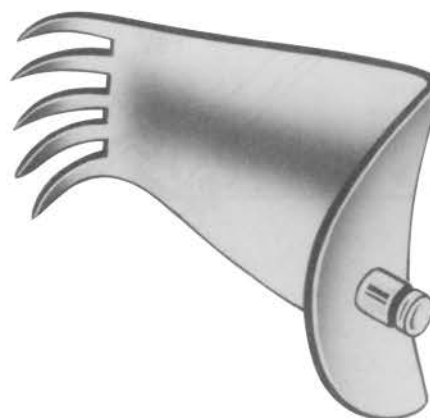


Hoen Hemilaminectomy Retractors
Interchangeable Lateral Blades,
with blunt prongs
ST17-714-03 25x35mm
ST17-714-04 25x45mm



Frame only

Cloward-hoen
ST17-716-00
25cm
hemi-laminectomy Retractor, max spread 65mm, complete with 1 pair lateral blades ea No. **ST17-716-01** and **ST17-716-02**



Cloward-Hoen
Interchangeable Lateral Blades,
with pronged blades
ST17-716-01 25-50x55mm
ST17-716-02 25-50x65mm

Retraktoren, selbsthaltender Gehirnr Retraktor

Retradores, Retractor de cerebro autosujetante

Écarteurs, écarteur cérébral auto-rétentif

Divaricatori, divaricatore cerebrale autobloccante



Cloward
ST17-718-00
25cm
Cervical retractor,
max. spread 114mm,
complete with 5 toothed
blades No. **ST17-708-01** through
ST17-708-09



Cloward
Interchangeable Lateral Blades,
blunt,
width 15/23mm
ST17-708-03 depth 40mm
ST17-708-04 depth 45mm
ST17-708-07 depth 50mm
ST17-708-08 depth 55mm
ST17-708-10 depth 60mm



Cloward
Interchangeable Lateral Blades,
toothed,
width 15/23mm
ST17-708-01 depth 40mm
ST17-708-02 depth 45mm
ST17-708-05 depth 50mm
ST17-708-06 depth 55mm
ST17-708-09 depth 60mm



ST17-817-00
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

ST17-818-00
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

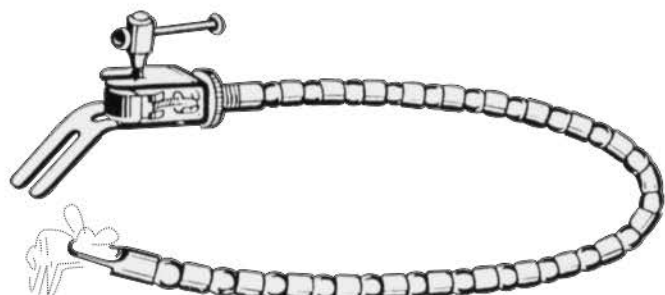


ST17-819-01
Fixation base only
holding 2 flexible arms
ST17-819-02
Support only for flat
brain spatulas

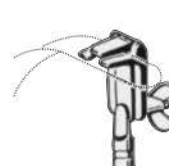
ST17-820-01
Fixation base only
holding 1 flexible arms
ST17-820-02
Support only for brain spatulas with round shaft of
4mm and 5mm to fix on the flexible arm
ST17-820-03
Flexible arm only for attaching
coupling heads and for fixation bases

Separador cerebral autostático
Retratore cerebrale autostatico

selbsthaltender Hirnretractor
Retracteur cerebrale autostatique



ST17-822-00
flexible Arm only



ST17-822-01
Support only,
flat brain spatulas,



ST17-822-02
Support only,
for brain spatulas
with round shaft
up to 5.5 mm diam.
Fixing for flexible



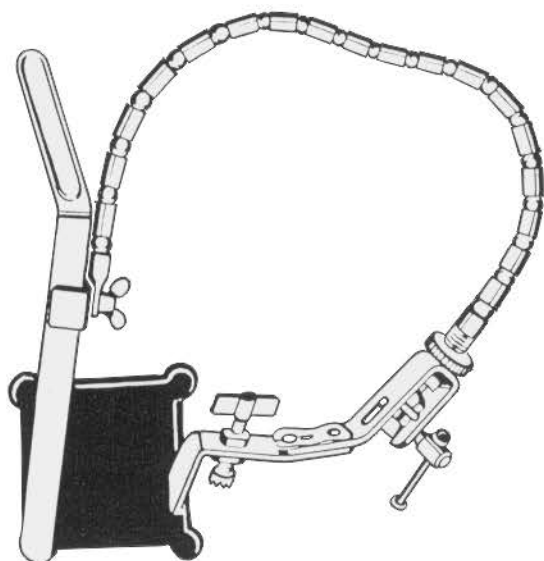
Riechert
ST17-822-03
Fixation base, for skull
mounting, holding 1
flexible arms



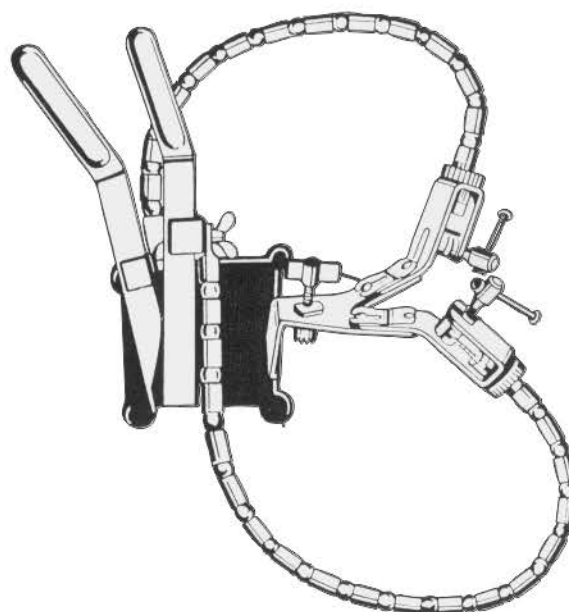
Riechert
ST17-822-04
Fixation base, for skull
mounting, holding 2
flexible arms



ST17-822-05
Fixation base, for skull
mounting, holding 1
flexible arms



Leyla
ST17-824-00
Self-Retaining Brain Retractor
with 1 flexible arm, complete consisting of
ST17-824-01 1 Flexible Tension Arm
ST17-824-02 1 Flexible Base
ST17-824-03 1 Spatula Support



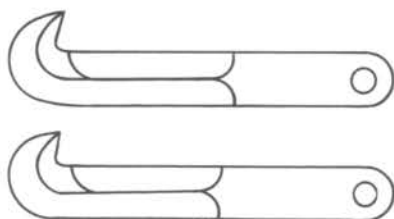
Leyla
ST17-826-00
Self-Retaining Brain Retractor
with 2 flexible arms, complete consisting of
ST17-826-01 2 Flexible Tension Arm
ST17-826-02 1 Flexible Base
ST17-826-03 2 Spatula Support

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

ST17-144-10

20cm child size
for skull thickness up to 7mm

ST17-144-11

23cm adult size
for skull thickness up to 12mm



DeVilbiss

Skull Forceps

ST17-146-20

20cm



Dahlgren

ST17-147-20

Cranial Rongeur

20 cm

Olivecrona

Wire Saw

H16-017-30 30cm

H16-017-40 40cm

H16-017-50 50cm

H16-017-60 60cm

H16-017-70 70cm



Gigle, Wire Saw

H16-018-30 30cm

H16-018-40 40cm

H16-018-50 50cm

6 wires twisted



Gigle

Handle for
wire saw

H16-019-00



De Martel

Saw Conductor
H16-021-33 33cm



Davis

Guide for Gigli Saws
H16-020-20 20cm



Bailey-Gigli

Saw Guide flexible
H16-020-30 30.5cm

Instrumentos McKenzie y pinzas de aplicación de clips

Mckenzie-Instrumente und Clip-Anlegezange

Strumenti Mckenzie e pinze per l'applicazione di clip

Instruments Mckenzie et pinces d'application de pinces



McKenzie Clip Applying Forceps

ST17-151-15 15cm
ST17-151-19 19cm
 Straight

ST17-152-15 15cm
ST17-152-19 19cm
 Curved



McKenzie Clip Applying Forceps
ST17-154-15
 Curved Handle, Curved Jaws, 15cm



McKenzie
ST17-162-00 148mm x 40mm x 6mm
 Brain clip rack for 20 clips



ST17-160-00
McKenzie
 Silver Clips.
 vial/100 pieces



Smithwick Clip Applying Forceps
ST17-156-23
 23 cm Curved Jaws
 Straight Handle



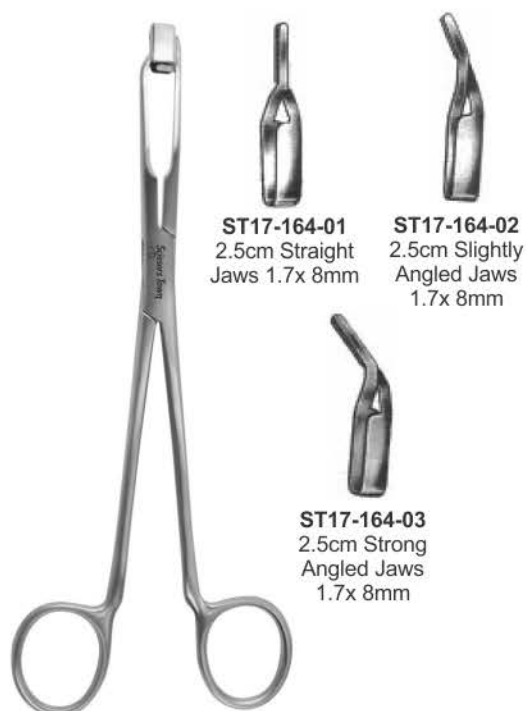
Smithwick Clip Applying Forceps
ST17-157-26
 26.5 cm Curved Jaws
 Straight Handle



Olivecrona Toennis (Scoville), Clip Forceps
ST17-158-14 14cm

clips und anlegezangen
Clips et pinces a appliquer

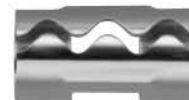
Clips y aplicadores
Clips e pinze per mettere clips



Schwartz Clip Applying Forceps
ST17-163-00 20cm
Schwartz Vessel Clip



Raney Applying & Removing Forceps
ST17-167-15 15cm



ST17-168-00
Raney Scalp
Clip



ST17-170-00
Kolner (Cologne)
Scalp Clip



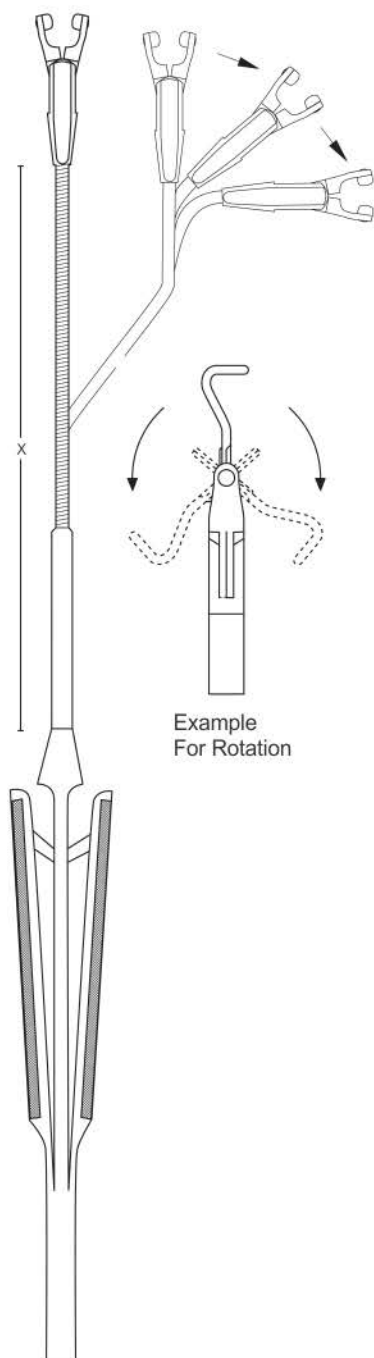
Adson
Drill guide
ST17-172-15 15cm



Michele Trephine,
ST17-173-01 16cm shaft, 0.47cm
O.D graduated 0.64cm To 3.2cm
ST17-173-02 16cm shaft, 0.79cm
O.D graduated 0.64cm To 3.2cm
ST17-173-03 16cm shaft, 0.56cm
O.D graduated 0.64cm To 3.2cm

Aplicadora para clips Yasargil
Pinze per mettere clips Yasargil

Anlegezangen für Yasargil Clips
Pince a poser pour des clips Yasargil



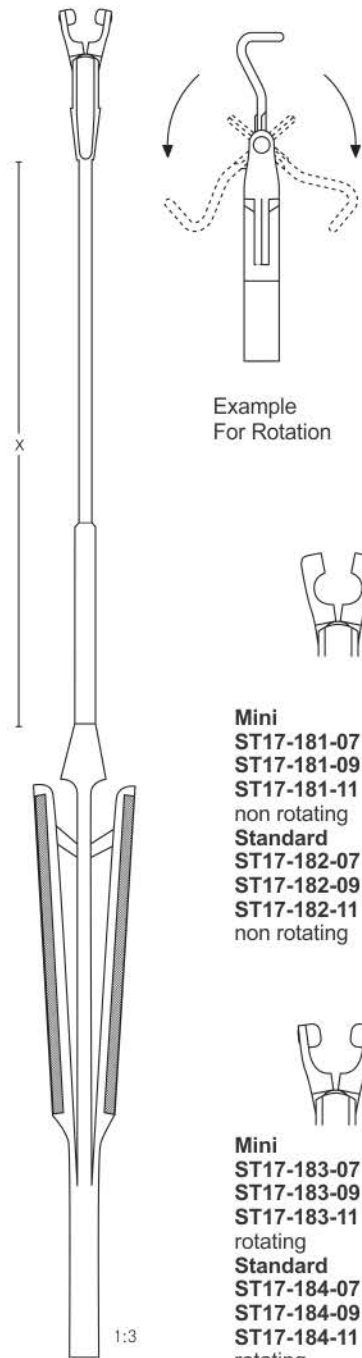
Example
For Rotation

Mini
ST17-177-07 7cm
ST17-177-09 9cm
ST17-177-11 11cm
non rotating
Standard
ST17-178-07 7cm
ST17-178-09 9cm
ST17-178-11 11cm
non rotating



Mini
ST17-179-07 7cm
ST17-179-09 9cm
ST17-179-11 11cm
rotating
Standard
ST17-180-07 7cm
ST17-180-09 9cm
ST17-180-11 11cm
rotating

Applying Forceps
For Yasargil Clips
Malleable



Example
For Rotation

Mini
ST17-181-07 7cm
ST17-181-09 9cm
ST17-181-11 11cm
non rotating
Standard
ST17-182-07 7cm
ST17-182-09 9cm
ST17-182-11 11cm
non rotating



Mini
ST17-183-07 7cm
ST17-183-09 9cm
ST17-183-11 11cm
rotating
Standard
ST17-184-07 7cm
ST17-184-09 9cm
ST17-184-11 11cm
rotating

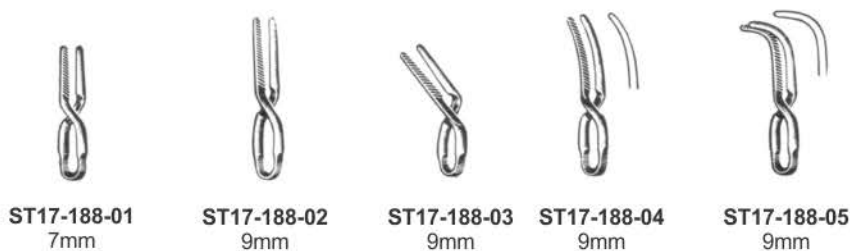
Applying Forceps
For Yasargil Clips
Rigid

clips und anlegezangen
Clips et pinces a appliquer

Clips y aplicadores
Clips e pinze per mettere clips



Clip Applying Forceps
for standard vessel clips
ST17-187-18 18cm
ST17-187-22 22cm



"Standard"

"Standard" Micro Vessel and Aneurysm Clips, made of SMO-Steel
ST17-188-01 length of jaws 7mm, straight
ST17-188-02 length of jaws 9mm, straight
ST17-188-03 length of jaws 9mm, angular
ST17-188-04 length of jaws 9mm, slightly curved
ST17-188-05 length of jaws 9mm, strong curved



Clip Applying Forceps
for Mini vessel clips
ST17-189-18 18cm
ST17-189-22 22cm



"Mini"

"Mini" Micro Vessel and Aneurysm Clips, made of SMO-steel
ST17-190-01 length of jaws 4mm, straight
ST17-190-02 length of jaws 6mm, straight
ST17-190-03 length of jaws 5mm, curved
ST17-190-04 length of jaws 7mm, curved



For Mini Vessel Clips
ST17-191-18 18cm
For Standard Vessel Clips
ST17-192-18 18cm
Applying Forceps
Straight with catch

Standard
ST17-193-18 18cm
ST17-193-22 22cm
Mini
ST17-194-18 18cm
ST17-194-22 22cm
Applying Forceps
Bayonet Shape with catch

Espátulas cerebrales y retractores nerviosos

Gehirnspatel und Nervenretractoren

Spatole cerebrali e divaricatori nervosi

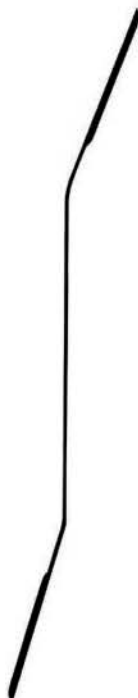
Spatules cérébrales et écarteurs nerveux



1:2



1:2



1:2



Cushing, brain spatula

ST17-200-07 7mm x 9mm

ST17-200-11 11mm x 13mm

ST17-200-15 15mm x 18mm

ST17-200-18 18mm x 22mm

18cm

Olivecrona

ST17-201-18

brain spatula

18cm

Brain Spatula

ST17-202-07 7mm x 9mm

ST17-202-11 11mm x 13mm

ST17-202-15 15mm x 18mm

ST17-202-18 18mm x 22mm

18cm Convex

Brain Spatula

ST17-203-07 7mm x 9mm

ST17-203-11 11mm x 13mm

ST17-203-15 15mm x 18mm

ST17-203-18 18mm x 22mm

18cm Concave

Heifetz, brain spatula

ST17-204-08 8mm

ST17-204-11 11mm

ST17-204-14 14mm

ST17-204-17 17mm

ST17-204-20 20mm

20cm Malleable

Scoville, Nerve Root Retractor

H11-274-23 23cm

8mm

NERVE HOOKS



Holsher Nerve Root Retractor
H11-356-24 24cm
7mm



Martin Nerve Root Retractor
H11-270-20 20cm
7mm



1:2

Love Nerve Dura Hook Retractor
H11-271-00 19cm
Straight



1:2

Love Nerve Dura Hook Retractor
H11-271-45 19cm
45° Angled



1:2

Love Nerve Dura Hook Retractor
H11-271-90 19cm
90° Angled

Nervenhaken - Durahaken

Crochets a nerfs - Crochets pour duremers

Ganchos para nervios - Ganchos para duramadre

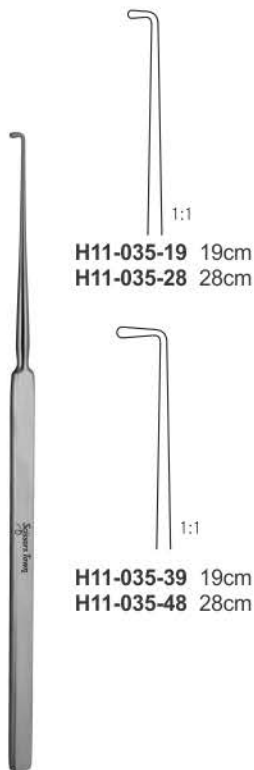
Uncini per nervi - Uncini per duramadre



**Smithwick Nerve
Dura Hook**
ST17-209-17 17cm
ST17-209-21 21cm



**Hoen Nerve
Dura Hook**
ST17-210-22 22cm



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**
ST17-211-17 17cm



**Dandy Nerve
Dura Hook**
ST17-212-01 20cm



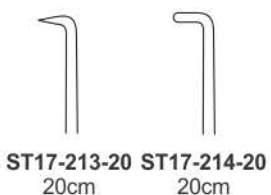
**Dandy Nerve
Dura Hook**
ST17-212-02 20cm



**Dandy Nerve
Dura Hook**
ST17-212-03 20cm



**Adson Nerve
Dura Hook**



ST17-213-20 20cm ST17-214-20 20cm



**Groningen
ST17-217-26
Nerve Hook**
26.5 cm



**Groningen
ST17-218-26
Nerve Hook**
26.5 cm

Ganchos para nervios, cuchillo para nervios y ganchos Dura

Nervenhaken, Nervenmesser & Durahaken

Ganci per nervi, coltello per nervi e ganci per dura

Crochets nerveux, couteau nerveux et crochets Dura



**Cushing Nerve Dura
Hook Retractor**
ST17-223-14
14cm



**Frazier Nerve Dura
Hook Retractor**

ST17-224-13
13cm
ST17-224-18
18cm
Blunt



**Lahey Nerve Dura
Hook Retractor**
ST17-225-13
13cm



**Toennis Nerve
Dura knife**

ST17-231-15
15cm

ST17-231-19
19cm



**Halle Nerve
Dura knife**
ST17-233-20 20cm



**Olivecrona
ST17-240-18
Dura Dissector**
18 cm



**Olivecrona
ST17-241-20
Dura Dissector**
20 cm



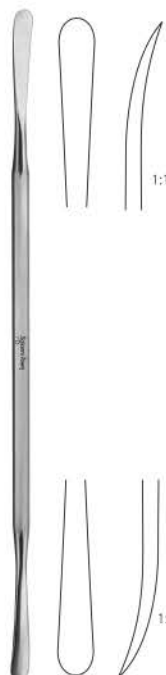
Milligan
ST17-242-21
Dura Dissector
21.5 cm



Davis
ST17-243-21
Dura Dissector sharp
21.5 cm



**Davis Dura
Dissector**
ST17-244-24
24.5cm



Dura Dissector
ST17-245-22 22cm



**Sachs Dura
Dissector**
ST17-246-21 21cm



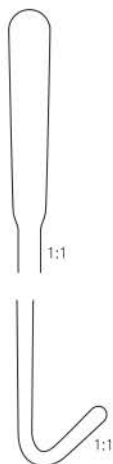
**Sachs Dura
Dissector**
ST17-247-21 21cm



Horsley Dura Dissector
ST17-251-20
20cm



Smithwich Dura Dissector
ST17-252-30
30.5cm



Toennis Dura Dissector
ST17-253-25
25cm



Sachs Dura Dissector
ST17-254-21
21cm



Yasargil Nerve Dura Hook Retractor
ST17-255-21 21cm
ST17-255-41 41cm
Galea retractor



Penfield Dura Dissector
ST17-401-01 17.5cm



Penfield Dura Dissector
ST17-401-02 19.5cm



Penfield Dura Dissector
ST17-401-03 19.5cm



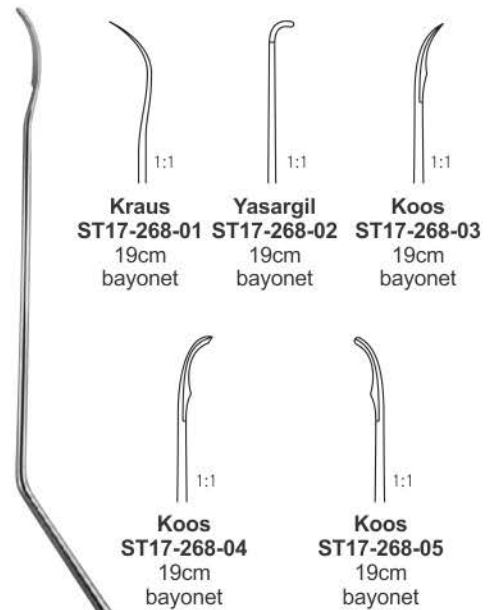
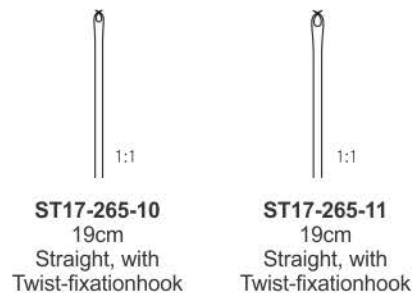
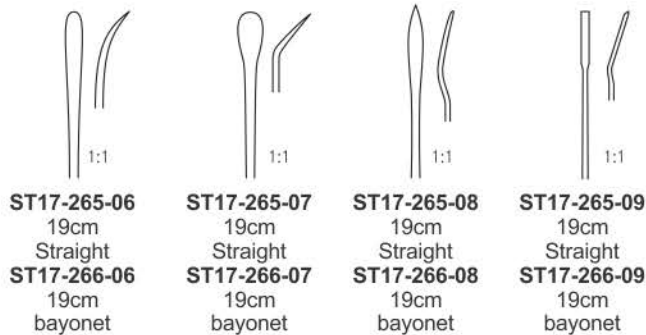
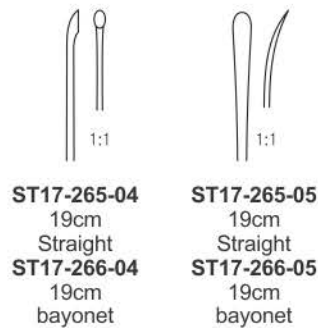
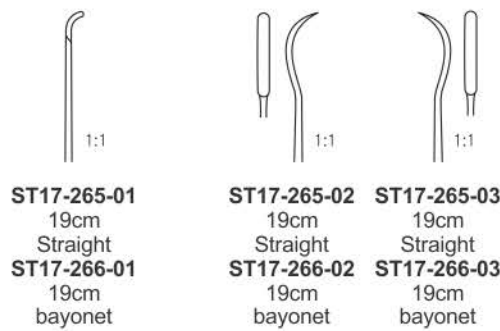
Penfield Dura Dissector
ST17-401-04 19.5cm



Penfield Dura Dissector
ST17-401-05 19.5cm

Disectores para micro-neurocirurgia
Strumento per micro-neuro chirurgia

Neuro-Mikro-Dissektoren
Neuro-micro dissecteurs



Neuro-Micro
Dissector

**Yasargil Neuro-Micro
Dissector**
ST17-265-01 to ST17-266-01 to
ST17-265-11 ST17-265-09
Straight Bayonet

Neuro-Dissektoren und kuretten

Disectores y curetas para neurocirugia

Neuro-dissecteurs et curettes

Scollatori per neuro-chirurgia



Jacobson Neuro-Micro Dissector
ST17-270-19
19cm



Neuro-Micro Dissector
ST17-271-01
19cm



Jacobson Neuro-Micro Dissector
ST17-271-02
19cm



Fisch Neuro-Micro Dissector
ST17-271-03
19cm



Hardy Neuro-Micro Dissector
ST17-273-01
25cm
bayonet, sharp inner edge



Hardy Neuro-Micro Dissector
ST17-273-02
25cm
bayonet, sharp inner edge



Hardy Neuro-Micro Dissector
ST17-273-03
25cm
bayonet, sharp inner edge



Hardy Neuro-Micro Dissector
ST17-273-04
25cm
bayonet, sharp inner edge



Hardy Neuro-Micro Dissector
ST17-277-04 4mm
27cm
bayonet, malleable



Hardy Neuro-Micro Dissector
ST17-277-06 6mm
27cm
bayonet, malleable

Fórceps de incautación de microtumores
Pinza da presa per micro tumori

Mikrotumor-Fasszange
Pince à saisir les micro-tumeurs

Tumor Seizing Forceps, Micro Forceps



YASARGIL
18cm
ST17-301-01
Alligator-type Grasping
Forceps, delicate, serrated jaws,
straight



NICOLA
18cm
ST17-302-01
Grasping Forceps with
round cupped jaws, Ø 2mm,
straight



NICOLA
18cm
ST17-303-01
Delicate Scissors, straight



YASARGIL
Tumor Grasping Forceps
ST17-431-22 22cm
round, serrated jaws,
3mm Ø, bayonet-shaped



YASARGIL
Tumor Grasping Forceps
ST17-431-42 22cm
round, cupped jaws,
fenestrated, Ø 5mm,
bayonet-shaped



HUNT
Tumor Grasping Forceps
ST17-434-20 20cm
round, serrated jaws,
5mm Ø, angled,



HUNT
Tumor Grasping Forceps
ST17-432-22 22cm
round, serrated jaws,
5mm Ø, bayonet-shaped

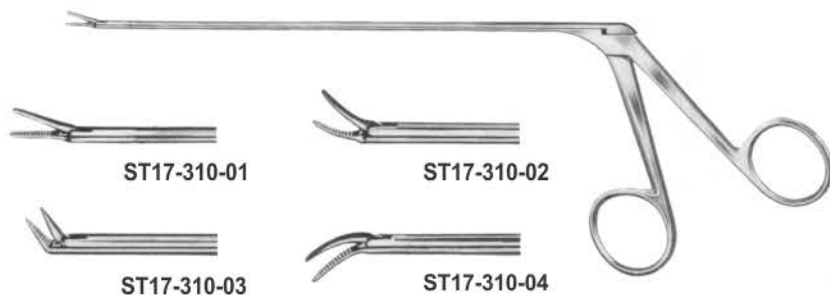
Mikro-Fasszange, Mikro-Schere

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



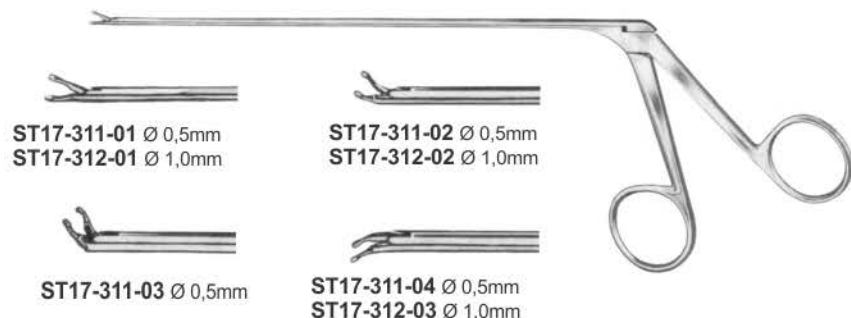
Micro Grasping Forceps,
very delicate, serrated jaws,
length 6mm x width 0.5mm,
length of shaft 14cm

ST17-310-01 straight jaws

ST17-310-02 jaws angled right

ST17-310-03 jaws angled left

ST17-310-04 jaws angled up



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

0.5mm cup

ST17-311-01 straight jaws

ST17-311-02 jaws angled right

ST17-311-03 jaws angled left

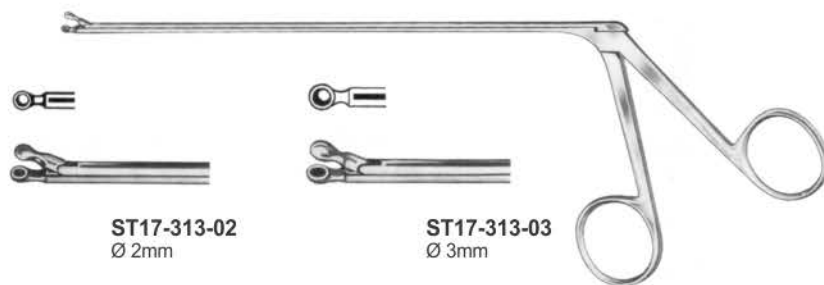
ST17-311-04 jaws angled up

1.0mm cup

ST17-312-01 straight jaws

ST17-312-02 jaws angled right

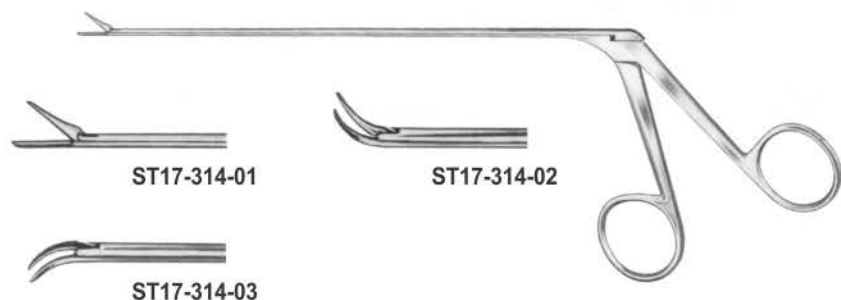
ST17-312-03 jaws angled left



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

ST17-313-02 2mm cup, straight jaws

ST17-313-03 3mm cup, straight jaws



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

ST17-314-01 straight blades

ST17-314-02 blades curved right

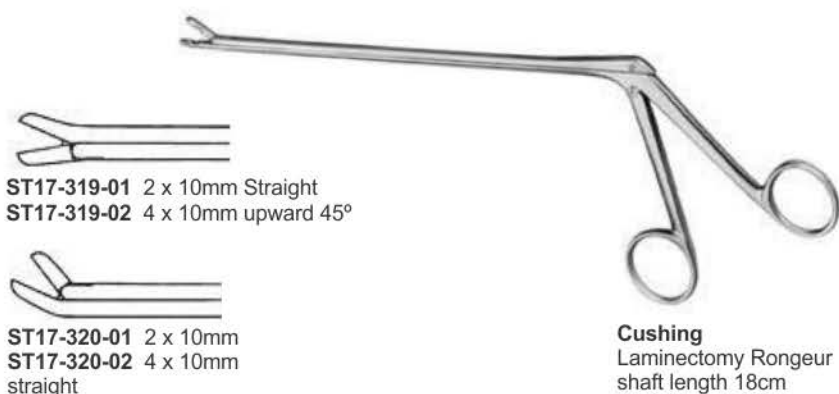
ST17-314-03 blades curved left

Punzones y gubias para laminectomía

Laminektomiestanzen & Rongeur

Punzoni e rongeurs per laminectomia

Poinçons et rongeurs pour laminectomie



Cushing Intervertebral Disc Rongeurs

2 X 10mm, 13cm

ST17-322-01 Straight

ST17-322-02 UP

ST17-322-03 Down

Love-Gruenwald Intervertebral Disc Rongeurs

3 X 10mm, 13cm

ST17-323-01 Straight

ST17-323-02 Up

ST17-323-03 Down

Spurling Intervertebral Disc Rongeurs

4 X 10mm, 13cm

ST17-324-01 Straight

ST17-324-02 Up

ST17-324-03 Down



12cm
Straight

Fig. 1
3.0mm
ST17-325-01

Fig. 2
3.5mm
ST17-325-02

Fig. 3
4.5mm
ST17-325-03

Fig. 4
5.0mm
ST17-325-04

Fig. 5
5.5mm
ST17-325-05



12cm
45° up

ST17-326-01

ST17-326-02

ST17-326-03

ST17-326-04

ST17-326-05



12cm
90° up

ST17-327-01

ST17-327-02

ST17-327-03



18cm
45° up

Fig. 1
3.0mm
ST17-328-01

Fig. 2
3.5mm
ST17-328-02

Fig. 3
4.5mm
ST17-328-03

Fig. 4
5.0mm
ST17-328-04

Fig. 5
5.5mm
ST17-328-05



18cm 7"
90° up

ST17-329-01

ST17-329-02

ST17-329-03

ST17-329-04

**Cushing Intervertebral
Disc Rongeurs**

2 X 10mm, 15cm	1.5 X 10mm, 18cm	2 X 10mm, 18cm	1.5 X 10mm, 23cm
ST17-331-01 straight	ST17-332-01 straight	ST17-333-01 straight	ST17-334-01 straight
ST17-331-02 UP	ST17-332-02 Up	ST17-333-02 UP	ST17-334-02 Up
ST17-331-03 Down	ST17-332-03 Down	ST17-333-03 Down	ST17-334-03 Down
2 X 10mm, 23cm	2 X 10mm, 25.5cm	2 X 10mm, 28cm	2 X 10mm, 30.5cm
ST17-336-01 straight	ST17-337-01 straight	ST17-338-01 straight	ST17-339-01 straight
ST17-336-02 UP	ST17-337-02 UP	ST17-338-02 UP	ST17-339-02 UP
ST17-336-03 Down	ST17-337-03 Down	ST17-338-03 Down	ST17-339-03 Down



**Love-Gruenwald
Intervertebral Disc Rongeurs**

3 X 10mm, 15cm	3 X 10mm, 18cm	3 X 10mm, 23cm
ST17-341-01 straight	ST17-342-01 straight	ST17-343-01 straight
ST17-341-02 Up	ST17-342-02 Up	ST17-343-02 Up
ST17-341-03 Down	ST17-342-03 Down	ST17-343-03 Down
3 X 10mm, 25.5cm	3 X 10mm, 28cm	3 X 10mm, 30.5cm
ST17-344-01 straight	ST17-345-01 straight	ST17-346-01 straight
ST17-344-02 Up	ST17-345-02 Up	ST17-346-02 Up
ST17-344-03 Down	ST17-345-03 Down	ST17-346-03 Down



**Spurling Intervertebral
Disc Rongeurs**

4 X 10mm, 15cm	4 X 10mm, 18cm	4 X 10mm, 23cm
ST17-347-01 straight	ST17-348-01 straight	ST17-349-01 straight
ST17-347-02 Up	ST17-348-02 Up	ST17-349-02 Up
ST17-347-03 Down	ST17-348-03 Down	ST17-349-03 Down
4 X 10mm, 25.5cm	4 X 10mm, 28cm	4 X 10mm, 30.5cm
ST17-350-01 straight	ST17-351-01 straight	ST17-352-01 straight
ST17-350-02 Up	ST17-351-02 Up	ST17-352-02 Up
ST17-350-03 Down	ST17-351-03 Down	ST17-352-03 Down



Punzones y gubias para laminectomía

Laminektomiestanzen & Rongeur

Punzoni e rongeurs per laminectomia

Poinçons et rongeurs pour laminectomie



Wilde Intervertebral Disc Rongeurs

18cm Straight

ST17-358-01 2.5mm

ST17-358-02 3mm

ST17-358-03 4mm

ST17-358-04 5mm

18cm Angled up

ST17-359-01 2.5mm

ST17-359-02 3mm

ST17-359-03 4mm

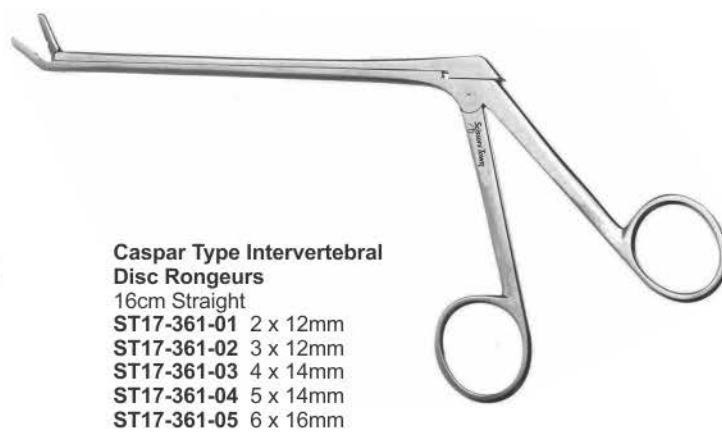
ST17-359-04 5mm

23.5cm Straight

ST17-360-01 3mm

ST17-360-02 4mm

ST17-360-03 5mm



Caspar Type Intervertebral Disc Rongeurs

16cm Straight

ST17-361-01 2 x 12mm

ST17-361-02 3 x 12mm

ST17-361-03 4 x 14mm

ST17-361-04 5 x 14mm

ST17-361-05 6 x 16mm

16cm Up

ST17-362-01 3 x 12mm

ST17-362-02 4 x 14mm

ST17-362-03 5 x 14mm

16cm Down

ST17-363-01 3 x 12mm

ST17-363-02 4 x 14mm



Caspar Type Intervertebral Disc Rongeurs

18.5cm Straight

ST17-364-01 2 x 12mm

ST17-364-02 3 x 12mm

ST17-364-03 4 x 14mm

ST17-364-04 5 x 14mm

ST17-364-05 6 x 16mm

18.5cm Up

ST17-365-01 2 x 12mm

ST17-365-02 3 x 12mm

ST17-365-03 4 x 14mm

ST17-365-04 5 x 14mm

18.5cm Down

ST17-366-01 2 x 12mm

ST17-366-02 3 x 12mm

ST17-366-03 4 x 14mm



Cushing Intervertebral Disc Rongeurs

w/teeth 2 x 10mm, 18cm

ST17-367-01 Straight

ST17-367-02 Up

ST17-367-03 Down

L-G Intervertebral Disc Rongeurs

w/teeth 3 x 10mm, 18cm

ST17-368-01 Straight

ST17-368-02 Up

ST17-368-03 Down

3 x 10mm, 25.5cm

ST17-369-01 Straight



Schlesinger Intervertebral

Disc Rongeurs

ST17-370-01 2 x 10mm, 13cm Straight

ST17-370-02 3 x 10mm, 13cm Straight

ST17-370-03 4 x 10mm, 13cm Straight

ST17-370-04 3 x 10mm, 13cm Angled Up



Cloward Intervertebral

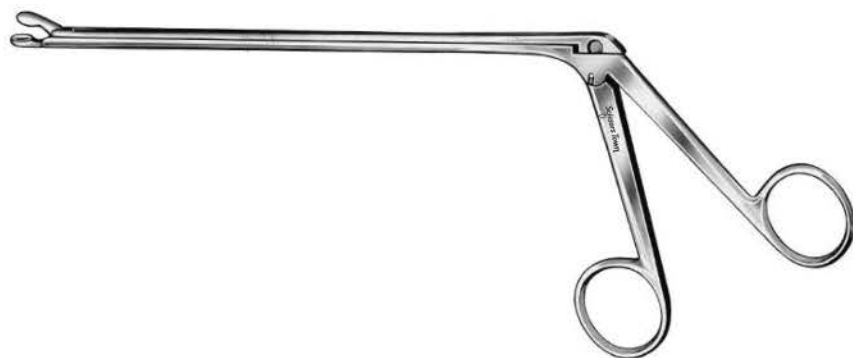
Disc Rongeurs

serrated 6 x 10mm, 13cm

ST17-371-01 Straight

ST17-371-02 Up

ST17-371-03 Down



Oldberg Intervertebral

Disc Rongeurs

ST17-372-01 6mm Diameter
18.5cm



Selverstone Intervertebral

Disc Rongeurs

ST17-373-01 2 x 3mm, 15cm

ST17-373-02 2 x 5mm, 15cm

Pinzas gubias para laminectomía y microcopas

Laminektomie-Rongeur und Mikrozangen

Rondelle per laminectomia e pinze per microcoppe

Pinces à laminectomie et pince à micro-cuvettes

Decker Intervertebral Disc Rongeurs

2 x 5mm, 15cm

ST17-376-01 Right

ST17-376-02 Left

ST17-376-03 Down

ST17-376-04 Up

ST17-376-05 Straight



Jackson Intervertebral Disc Rongeurs

70° Up 18cm

ST17-377-01 2 x 8mm

ST17-377-02 3 x 8mm

ST17-377-03 4 x 8mm



Williams Style Micro Disc Intervertebral Disc Rongeurs

1 x 2 teeth, Straight

ST17-378-01 14cm

ST17-378-02 18cm

ST17-378-03 25.5cm



Micro Cup Forceps

14cm, 0.5mm

ST17-383-01 Straight

ST17-383-02 Right

ST17-383-03 Left



Micro Cup Forceps

14cm 1mm

ST17-384-01 Straight

ST17-384-02 Right

ST17-384-03 Left

14cm 2mm

ST17-385-01 Straight



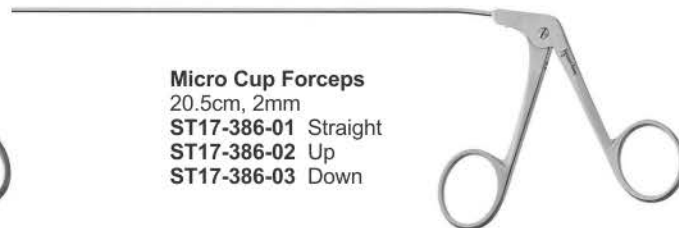
Micro Cup Forceps

20.5cm, 2mm

ST17-386-01 Straight

ST17-386-02 Up

ST17-386-03 Down





**Peapod Intervertebral
Disc Rongeurs**

14cm 18cm
ST17-391-01 Straight 2.0mm ST17-392-01
ST17-391-02 Straight 2.5mm ST17-392-02
ST17-391-03 Straight 3mm ST17-392-03
ST17-391-04 Straight 4mm ST17-392-04
ST17-391-11 Angle up 2mm ST17-392-11
ST17-391-12 Angle up 2.5mm ST17-392-12
ST17-391-13 Angle up 3mm ST17-392-13
ST17-391-14 Angle up 4mm ST17-392-14



**Spurling Intervertebral
Disc Rongeurs**

w/teeth 4 x 10mm, 18cm
ST17-394-01 Straight
ST17-394-02 Up
ST17-394-03 Down

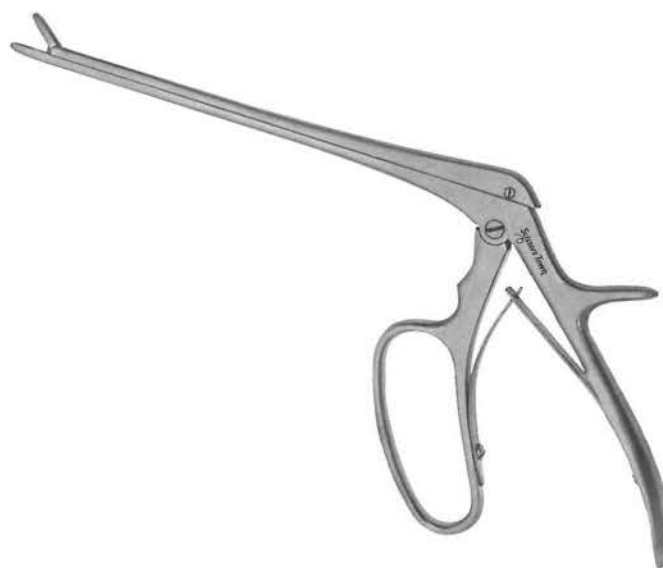
4 x 10mm, 25.5cm
ST17-395-01 Straight

5 x 10mm, 25.5cm
ST17-395-01 Straight



Ferris-Smith Intervertebral Disc Rongeurs

18cm straight
ST17-398-01 2 x 10mm
ST17-398-02 3 x 10mm
ST17-398-03 4 x 8mm
ST17-398-04 4 x 10mm
ST17-398-05 6 x 10mm
ST17-398-06 6 x 12mm



Ferris-Smith Intervertebral Disc Rongeurs

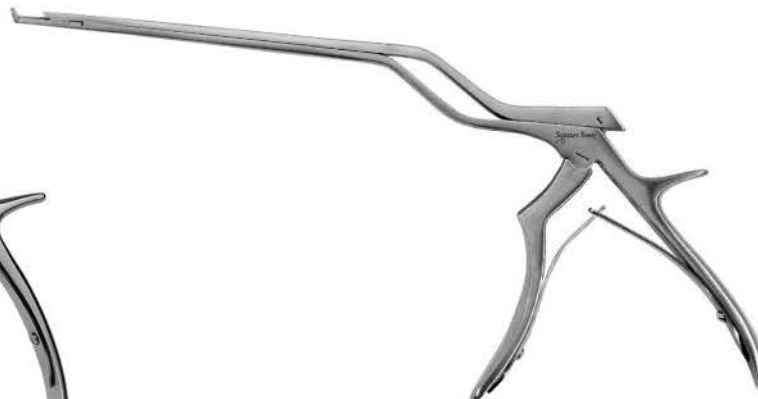
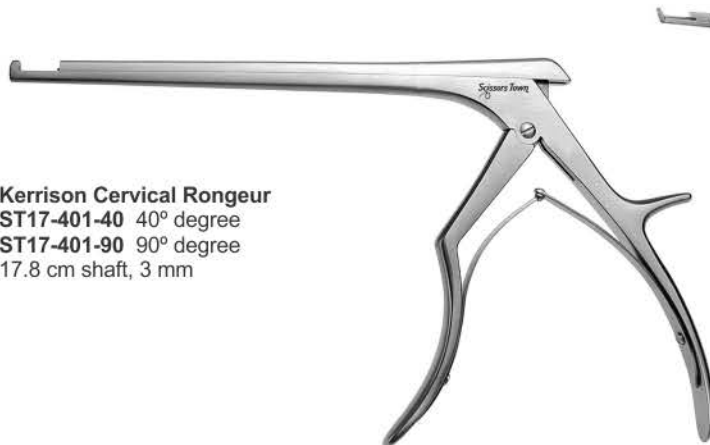
18cm Up
ST17-399-01 2 x 10mm
ST17-399-02 3 x 10mm
ST17-399-03 4 x 10mm
ST17-399-04 6 x 10mm

18cm Down
ST17-400-01 2 x 10mm
ST17-400-02 3 x 10mm
ST17-400-03 4 x 10mm
ST17-400-04 6 x 10mm

Pinzas para laminectomía
Rongeurs di laminectomia

Laminektomie-Rongeur
Pincas à Laminectomie

Kerrison Cervical Rongeur
ST17-401-40 40° degree
ST17-401-90 90° degree
17.8 cm shaft, 3 mm



**Bayonet Micro Kerrison
Laminectomy Rongeurs**

40° Up, 150 mm Working Length 20.5cm

ST17-408-01 1mm
ST17-408-02 2mm
ST17-408-03 3mm
ST17-408-04 4mm
ST17-408-05 5mm
ST17-408-06 6mm

90° Up, 150 mm Working Length 20.5cm

ST17-409-01 1mm
ST17-409-02 2mm
ST17-409-03 3mm
ST17-409-04 4mm
ST17-409-05 5mm
ST17-409-06 6mm

**Bayonet Spurling Kerrison
Laminectomy Rongeurs**

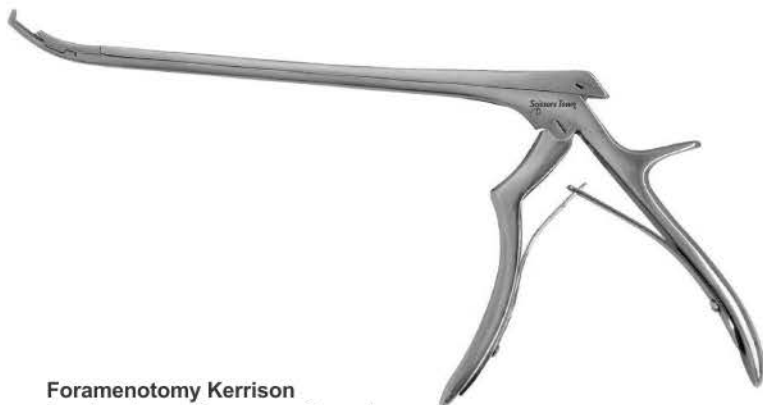
40° Up, 150 mm Working Length 20.5cm

ST17-410-01 1mm
ST17-410-02 2mm
ST17-410-03 3mm
ST17-410-04 4mm
ST17-410-05 5mm
ST17-410-06 6mm

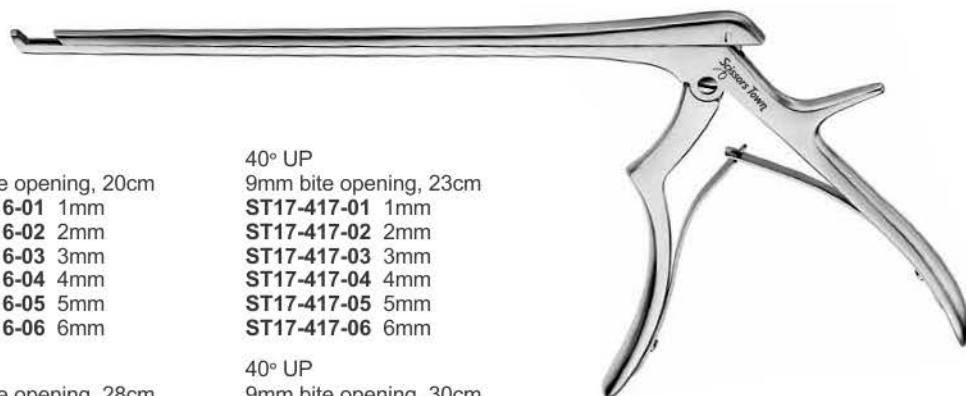
90° Up, 150 mm Working Length 20.5cm

ST17-411-01 1mm
ST17-411-02 2mm
ST17-411-03 3mm
ST17-411-04 4mm
ST17-411-05 5mm
ST17-411-06 6mm

Schlesinger Cervical Rongeur
ST17-404-15
thin tips, 15 cm shaft, up-bite, 3 mm



**Foramenotomy Kerrison
Laminectomy Rongeurs, Curved**
ST17-406-01 UP, 9mm Bite opening, 20.5cm 2mm
ST17-406-02 UP, 9mm Bite opening, 20.5cm 3mm
ST17-406-03 UP, 9mm Bite opening, 20.5cm 4mm
ST17-406-04 UP, 9mm Bite opening, 20.5cm 5mm
ST17-406-05 UP, 9mm Bite opening, 20.5cm 6mm
ST17-406-15 Left, 9mm Bite opening, 20.5cm 6mm
ST17-406-25 Right, 9mm Bite opening, 20.5cm 6mm



**Micro Kerrison Laminectomy Rongeurs
UPWARD Small Handle**



**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
9mm bite opening, 18cm
ST17-415-01 1mm
ST17-415-02 2mm
ST17-415-03 3mm
ST17-415-04 4mm
ST17-415-05 5mm
ST17-415-06 6mm

40° UP
9mm bite opening, 25cm
ST17-418-01 2mm
ST17-418-02 3mm
ST17-418-03 4mm
ST17-418-04 5mm
ST17-418-05 6mm

40° Down
9mm bite opening, 18cm
ST17-421-01 1mm
ST17-421-02 2mm
ST17-421-03 3mm
ST17-421-04 4mm
ST17-421-05 5mm
ST17-421-06 6mm

40° Down
9mm bite opening, 25cm
ST17-424-01 2mm
ST17-424-02 3mm
ST17-424-03 4mm
ST17-424-04 5mm
ST17-424-05 6mm

90° UP
9mm bite opening, 18cm
ST17-427-01 1mm
ST17-427-02 2mm
ST17-427-03 3mm
ST17-427-04 4mm
ST17-427-05 5mm
ST17-427-06 6mm

90° UP
9mm bite opening, 25cm
ST17-430-01 2mm
ST17-430-02 3mm
ST17-430-03 4mm
ST17-430-04 5mm
ST17-430-05 6mm

90° Down
9mm bite opening, 18cm
ST17-433-01 1mm
ST17-433-02 2mm
ST17-433-03 3mm
ST17-433-04 4mm
ST17-433-05 5mm
ST17-433-06 6mm

90° Down
9mm bite opening, 25cm
ST17-436-01 2mm
ST17-436-02 3mm
ST17-436-03 4mm
ST17-436-04 5mm
ST17-436-05 6mm

40° UP
9mm bite opening, 20cm
ST17-416-01 1mm
ST17-416-02 2mm
ST17-416-03 3mm
ST17-416-04 4mm
ST17-416-05 5mm
ST17-416-06 6mm

40° UP
9mm bite opening, 28cm
ST17-419-01 2mm
ST17-419-02 3mm
ST17-419-03 4mm
ST17-419-04 5mm
ST17-419-05 6mm

40° Down
9mm bite opening, 20cm
ST17-422-01 1mm
ST17-422-02 2mm
ST17-422-03 3mm
ST17-422-04 4mm
ST17-422-05 5mm
ST17-422-06 6mm

40° Down
9mm bite opening, 28cm
ST17-425-01 2mm
ST17-425-02 3mm
ST17-425-03 4mm
ST17-425-04 5mm
ST17-425-05 6mm

90° UP
9mm bite opening, 20cm
ST17-428-01 1mm
ST17-428-02 2mm
ST17-428-03 3mm
ST17-428-04 4mm
ST17-428-05 5mm
ST17-428-06 6mm

90° UP
9mm bite opening, 28cm
ST17-431-01 2mm
ST17-431-02 3mm
ST17-431-03 4mm
ST17-431-04 5mm
ST17-431-05 6mm

90° Down
9mm bite opening, 20cm
ST17-434-01 1mm
ST17-434-02 2mm
ST17-434-03 3mm
ST17-434-04 4mm
ST17-434-05 5mm
ST17-434-06 6mm

90° Down
9mm bite opening, 28cm
ST17-437-01 2mm
ST17-437-02 3mm
ST17-437-03 4mm
ST17-437-04 5mm
ST17-437-05 6mm

40° UP
9mm bite opening, 23cm
ST17-417-01 1mm
ST17-417-02 2mm
ST17-417-03 3mm
ST17-417-04 4mm
ST17-417-05 5mm
ST17-417-06 6mm

40° UP
9mm bite opening, 30cm
ST17-420-01 2mm
ST17-420-02 3mm
ST17-420-03 4mm
ST17-420-04 5mm
ST17-420-05 6mm

40° Down
9mm bite opening, 23cm
ST17-423-01 1mm
ST17-423-02 2mm
ST17-423-03 3mm
ST17-423-04 4mm
ST17-423-05 5mm
ST17-423-06 6mm

40° Down
9mm bite opening, 30cm
ST17-426-01 2mm
ST17-426-02 3mm
ST17-426-03 4mm
ST17-426-04 5mm
ST17-426-05 6mm

90° UP
9mm bite opening, 23cm
ST17-429-01 1mm
ST17-429-02 2mm
ST17-429-03 3mm
ST17-429-04 4mm
ST17-429-05 5mm
ST17-429-06 6mm

90° UP
9mm bite opening, 30cm
ST17-432-01 2mm
ST17-432-02 3mm
ST17-432-03 4mm
ST17-432-04 5mm
ST17-432-05 6mm

90° Down
9mm bite opening, 23cm
ST17-435-01 1mm
ST17-435-02 2mm
ST17-435-03 3mm
ST17-435-04 4mm
ST17-435-05 5mm
ST17-435-06 6mm

90° Down
9mm bite opening, 30cm
ST17-438-01 2mm
ST17-438-02 3mm
ST17-438-03 4mm
ST17-438-04 5mm
ST17-438-05 6mm

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

40° UP Cutting, 15mm Bite Opening, 18cm
ST17-451-01 2.0 x 2.0mm ST17-466-01
ST17-451-02 2.5 x 2.5mm ST17-466-02
ST17-451-03 2.0 x 3.0mm ST17-466-03
ST17-451-04 3.0 x 4.0mm ST17-466-04
ST17-451-05 4.0 x 5.0mm ST17-466-05
ST17-451-06 5.0 x 5.0mm ST17-466-06
ST17-451-07 6.0 x 5.0mm ST17-466-07

40° UP Cutting, 15mm Bite Opening, 20cm
ST17-452-01 2.0 x 2.0mm ST17-467-01
ST17-452-02 2.5 x 2.5mm ST17-467-02
ST17-452-03 2.0 x 3.0mm ST17-467-03
ST17-452-04 3.0 x 4.0mm ST17-467-04
ST17-452-05 4.0 x 5.0mm ST17-467-05
ST17-452-06 5.0 x 5.0mm ST17-467-06
ST17-452-07 6.0 x 5.0mm ST17-467-07

40° UP Cutting, 15mm Bite Opening, 23cm
ST17-453-01 2.0 x 2.0mm ST17-468-01
ST17-453-02 2.5 x 2.5mm ST17-468-02
ST17-453-03 2.0 x 3.0mm ST17-468-03
ST17-453-04 3.0 x 4.0mm ST17-468-04
ST17-453-05 4.0 x 5.0mm ST17-468-05
ST17-453-06 5.0 x 5.0mm ST17-468-06
ST17-453-07 6.0 x 5.0mm ST17-468-07

40° UP Cutting, 15mm Bite Opening, 25cm
ST17-454-01 2.0 x 3.0mm ST17-469-01
ST17-454-02 3.0 x 4.0mm ST17-469-02
ST17-454-03 4.0 x 5.0mm ST17-469-03
ST17-454-04 5.0 x 5.0mm ST17-469-04
ST17-454-05 6.0 x 5.0mm ST17-469-05

40° UP Cutting, 15mm Bite Opening, 28cm
ST17-455-01 2.0 x 3.0mm ST17-470-01
ST17-455-02 3.0 x 4.0mm ST17-470-02
ST17-455-03 4.0 x 5.0mm ST17-470-03
ST17-455-04 5.0 x 5.0mm ST17-470-04
ST17-455-05 6.0 x 5.0mm ST17-470-05

40° UP Cutting, 15mm Bite Opening, 30cm
ST17-456-01 2.0 x 3.0mm ST17-471-01
ST17-456-02 3.0 x 4.0mm ST17-471-02
ST17-456-03 4.0 x 5.0mm ST17-471-03
ST17-456-04 5.0 x 5.0mm ST17-471-04
ST17-456-05 6.0 x 5.0mm ST17-471-05

40° Down Cutting, 15mm Bite Opening, 18cm
ST17-457-01 2.0 x 2.0mm ST17-472-01
ST17-457-02 2.5 x 2.5mm ST17-472-02
ST17-457-03 2.0 x 3.0mm ST17-472-03
ST17-457-04 3.0 x 4.0mm ST17-472-04
ST17-457-05 4.0 x 5.0mm ST17-472-05
ST17-457-06 5.0 x 5.0mm ST17-472-06
ST17-457-07 6.0 x 5.0mm ST17-472-07

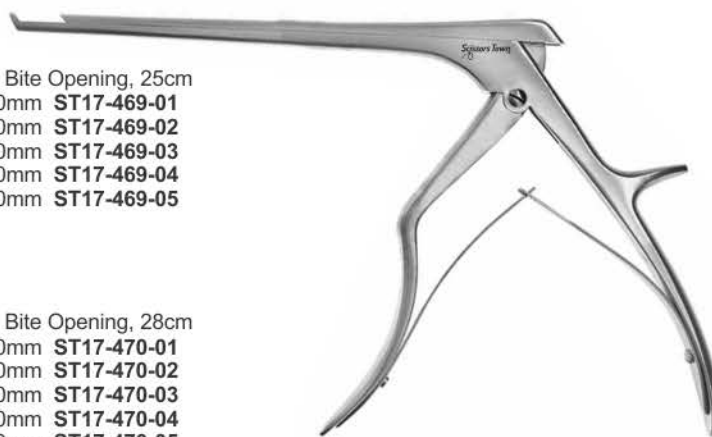
40° Down Cutting, 15mm Bite Opening, 20cm
ST17-458-01 2.0 x 2.0mm ST17-473-01
ST17-458-02 2.5 x 2.5mm ST17-473-02
ST17-458-03 2.0 x 3.0mm ST17-473-03
ST17-458-04 3.0 x 4.0mm ST17-473-04
ST17-458-05 4.0 x 5.0mm ST17-473-05
ST17-458-06 5.0 x 5.0mm ST17-473-06
ST17-458-07 6.0 x 5.0mm ST17-473-07

40° Down Cutting, 15mm Bite Opening, 23cm
ST17-459-01 2.0 x 2.0mm ST17-474-01
ST17-459-02 2.5 x 2.5mm ST17-474-02
ST17-459-03 2.0 x 3.0mm ST17-474-03
ST17-459-04 3.0 x 4.0mm ST17-474-04
ST17-459-05 4.0 x 5.0mm ST17-474-05
ST17-459-06 5.0 x 5.0mm ST17-474-06
ST17-459-07 6.0 x 5.0mm ST17-474-07

40° Down Cutting, 15mm Bite Opening, 25cm
ST17-460-01 2.0 x 3.0mm ST17-475-01
ST17-460-02 3.0 x 4.0mm ST17-475-02
ST17-460-03 4.0 x 5.0mm ST17-475-03
ST17-460-04 5.0 x 5.0mm ST17-475-04
ST17-460-05 6.0 x 5.0mm ST17-475-05

40° Down Cutting, 15mm Bite Opening, 28cm
ST17-461-01 2.0 x 3.0mm ST17-476-01
ST17-461-02 3.0 x 4.0mm ST17-476-02
ST17-461-03 4.0 x 5.0mm ST17-476-03
ST17-461-04 5.0 x 5.0mm ST17-476-04
ST17-461-05 6.0 x 5.0mm ST17-476-05

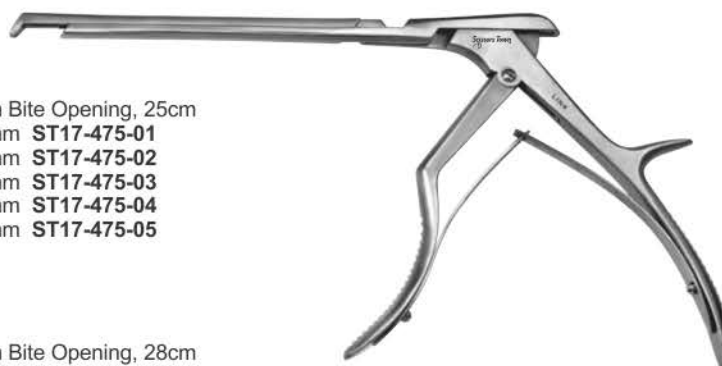
40° Down Cutting, 15mm Bite Opening, 30cm
ST17-462-01 2.0 x 3.0mm ST17-477-01
ST17-462-02 3.0 x 4.0mm ST17-477-02
ST17-462-03 4.0 x 5.0mm ST17-477-03
ST17-462-04 5.0 x 5.0mm ST17-477-04
ST17-462-05 6.0 x 5.0mm ST17-477-05



kerrison Laminectomy Rongeurs



Ferris-smith Kerrison Laminectomy Rongeurs



kerrison Laminectomy Rongeurs



Ferris-smith Kerrison Laminectomy Rongeurs

90° UP Cutting, 15mm Bite Opening, 18cm
ST17-481-01 2.0 x 2.0mm **ST17-496-01**
ST17-481-02 2.5 x 2.5mm **ST17-496-02**
ST17-481-03 2.0 x 3.0mm **ST17-496-03**
ST17-481-04 3.0 x 4.0mm **ST17-496-04**
ST17-481-05 4.0 x 5.0mm **ST17-496-05**
ST17-481-06 5.0 x 5.0mm **ST17-496-06**
ST17-481-07 6.0 x 5.0mm **ST17-496-07**

90° UP Cutting, 15mm Bite Opening, 20cm
ST17-482-01 2.0 x 2.0mm **ST17-497-01**
ST17-482-02 2.5 x 2.5mm **ST17-497-02**
ST17-482-03 2.0 x 3.0mm **ST17-497-03**
ST17-482-04 3.0 x 4.0mm **ST17-497-04**
ST17-482-05 4.0 x 5.0mm **ST17-497-06**
ST17-482-06 5.0 x 5.0mm **ST17-497-07**
ST17-482-07 6.0 x 5.0mm **ST17-497-08**

90° UP Cutting, 15mm Bite Opening, 23cm
ST17-483-01 2.0 x 2.0mm **ST17-498-01**
ST17-483-02 2.5 x 2.5mm **ST17-498-02**
ST17-483-03 2.0 x 3.0mm **ST17-498-03**
ST17-483-04 3.0 x 4.0mm **ST17-498-04**
ST17-483-05 4.0 x 5.0mm **ST17-498-05**
ST17-483-06 5.0 x 5.0mm **ST17-498-06**
ST17-483-07 6.0 x 5.0mm **ST17-498-07**

90° UP Cutting, 15mm Bite Opening, 25cm
ST17-484-01 2.0 x 3.0mm **ST17-499-01**
ST17-484-02 3.0 x 4.0mm **ST17-499-02**
ST17-484-03 4.0 x 5.0mm **ST17-499-03**
ST17-484-04 5.0 x 5.0mm **ST17-499-04**
ST17-484-05 6.0 x 5.0mm **ST17-499-05**

90° UP Cutting, 15mm Bite Opening, 28cm
ST17-485-01 2.0 x 3.0mm **ST17-500-01**
ST17-485-02 3.0 x 4.0mm **ST17-500-02**
ST17-485-03 4.0 x 5.0mm **ST17-500-03**
ST17-485-04 5.0 x 5.0mm **ST17-500-04**
ST17-485-05 6.0 x 5.0mm **ST17-500-05**

90° UP Cutting, 15mm Bite Opening, 30cm
ST17-486-01 2.0 x 3.0mm **ST17-501-01**
ST17-486-02 3.0 x 4.0mm **ST17-501-02**
ST17-486-03 4.0 x 5.0mm **ST17-501-03**
ST17-486-04 5.0 x 5.0mm **ST17-501-04**
ST17-486-05 6.0 x 5.0mm **ST17-501-05**

90° Down Cutting, 15mm Bite Opening, 18cm
ST17-487-01 2.0 x 2.0mm **ST17-502-01**
ST17-487-02 2.5 x 2.5mm **ST17-502-02**
ST17-487-03 2.0 x 3.0mm **ST17-502-03**
ST17-487-04 3.0 x 4.0mm **ST17-502-04**
ST17-487-05 4.0 x 5.0mm **ST17-502-05**
ST17-487-06 5.0 x 5.0mm **ST17-502-06**
ST17-487-07 6.0 x 5.0mm **ST17-502-07**

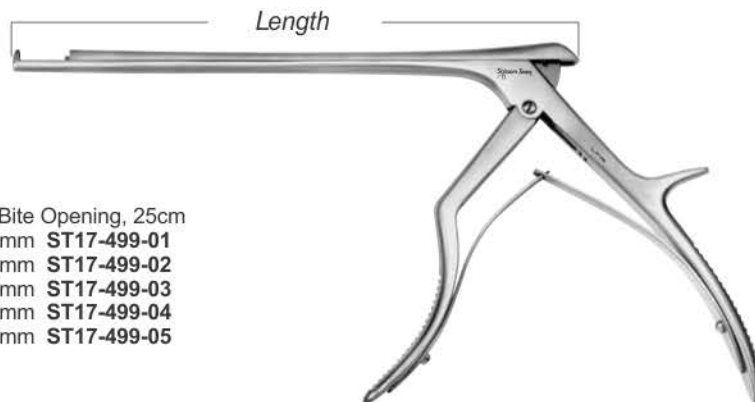
90° Down Cutting, 15mm Bite Opening, 20cm
ST17-488-01 2.0 x 2.0mm **ST17-503-01**
ST17-488-02 2.5 x 2.5mm **ST17-503-02**
ST17-488-03 2.0 x 3.0mm **ST17-503-03**
ST17-488-04 3.0 x 4.0mm **ST17-503-04**
ST17-488-05 4.0 x 5.0mm **ST17-503-05**
ST17-488-06 5.0 x 5.0mm **ST17-503-06**
ST17-488-07 6.0 x 5.0mm **ST17-504-07**

90° Down Cutting, 15mm Bite Opening, 23cm
ST17-489-01 2.0 x 2.0mm **ST17-504-01**
ST17-489-02 2.5 x 2.5mm **ST17-504-02**
ST17-489-03 2.0 x 3.0mm **ST17-504-03**
ST17-489-04 3.0 x 4.0mm **ST17-504-04**
ST17-489-05 4.0 x 5.0mm **ST17-504-05**
ST17-489-06 5.0 x 5.0mm **ST17-504-06**
ST17-489-07 6.0 x 5.0mm **ST17-504-07**

90° Down Cutting, 15mm Bite Opening, 25cm
ST17-490-01 2.0 x 3.0mm **ST17-505-01**
ST17-490-02 3.0 x 4.0mm **ST17-505-02**
ST17-490-03 4.0 x 5.0mm **ST17-505-03**
ST17-490-04 5.0 x 5.0mm **ST17-505-04**
ST17-490-05 6.0 x 5.0mm **ST17-505-05**

90° Down Cutting, 15mm Bite Opening, 28cm
ST17-491-01 2.0 x 3.0mm **ST17-506-01**
ST17-491-02 3.0 x 4.0mm **ST17-506-02**
ST17-491-03 4.0 x 5.0mm **ST17-506-03**
ST17-491-04 5.0 x 5.0mm **ST17-506-04**
ST17-491-05 6.0 x 5.0mm **ST17-506-05**

90° Down Cutting, 15mm Bite Opening, 30cm
ST17-492-01 2.0 x 3.0mm **ST17-507-01**
ST17-492-02 3.0 x 4.0mm **ST17-507-02**
ST17-492-03 4.0 x 5.0mm **ST17-507-03**
ST17-492-04 5.0 x 5.0mm **ST17-507-04**
ST17-492-05 6.0 x 5.0mm **ST17-507-05**



kerrison Laminectomy Rongeurs



Ferris-smith Kerrison Laminectomy Rongeurs

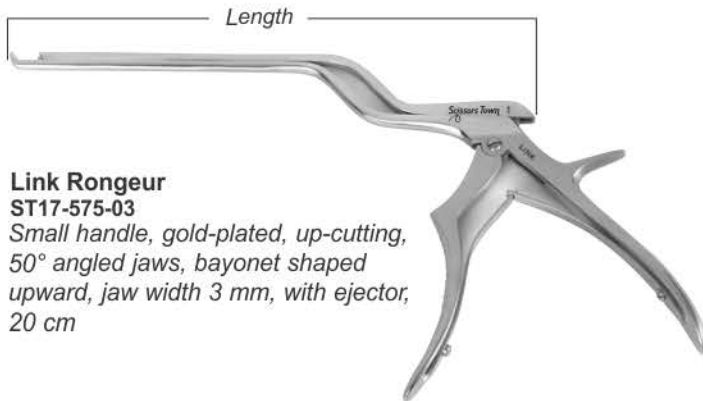


kerrison Laminectomy Rongeurs



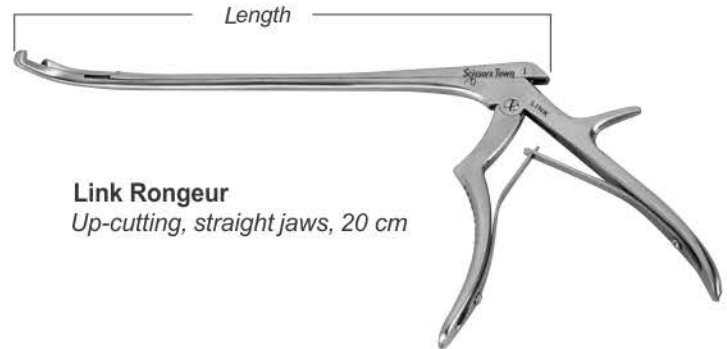
Ferris-smith Kerrison Laminectomy Rongeurs

Pinzas para laminectomía | Laminektomie-Rongeur
Rongeurs di laminectomia | Pincas à Laminectomie



Link Rongeur
ST17-575-03

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)

ST17-577-03

ST17-578-03

3,0 x 4,0 mm

ST17-577-04

ST17-578-04

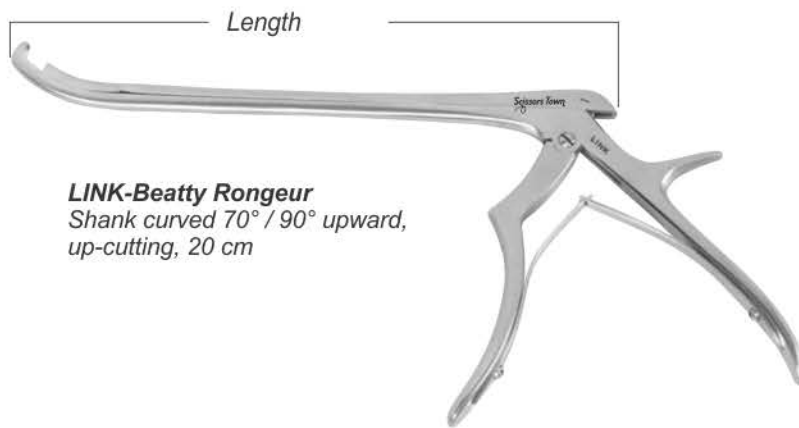
4,0 x 4,0 mm

ST17-577-05

ST17-578-05

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)

ST17-581-02

ST17-582-02



2,0 x 3,0 mm

ST17-581-03

ST17-582-03



3,0 x 4,0 mm

ST17-581-04

ST17-582-04



4,0 x 4,0 mm

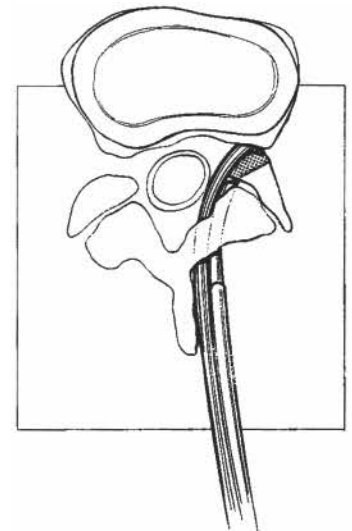
ST17-581-05

ST17-582-05

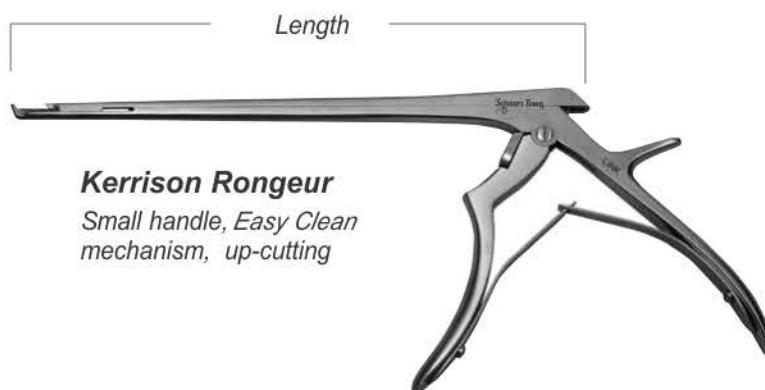


5,0 x 4,0 mm

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*
ST17-585-02	2 mm	18 cm	ST17-588-02	2 mm	18 cm
ST17-585-03	3 mm	18 cm	ST17-588-03	3 mm	18 cm
ST17-585-04	4 mm	18 cm	ST17-588-04	4 mm	18 cm
ST17-585-05	5 mm	18 cm	ST17-588-05	5 mm	18 cm
			ST17-588-06	6 mm	18 cm
ST17-586-02	2 mm	20 cm	ST17-589-02	2 mm	20 cm
ST17-586-03	3 mm	20 cm	ST17-589-03	3 mm	20 cm
ST17-586-04	4 mm	20 cm	ST17-589-04	4 mm	20 cm
ST17-586-05	5 mm	20 cm	ST17-589-05	5 mm	20 cm
			ST17-589-06	6 mm	20 cm
ST17-587-02	2 mm	23 cm	ST17-590-02	2 mm	23 cm
ST17-587-03	3 mm	23 cm	ST17-590-03	3 mm	23 cm
ST17-587-04	4 mm	23 cm	ST17-590-04	4 mm	23 cm
ST17-587-05	5 mm	23 cm	ST17-590-05	5 mm	23 cm
			ST17-590-06	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.

Pinzas para laminectomía
Rongeurs di laminectomia

Laminektomie-Rongeur
Pincas à Laminectomie



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
ST17-595-01	ST17-596-01	ST17-597-01	1mm
ST17-595-02	ST17-596-02	ST17-597-02	2mm
ST17-595-03	ST17-596-03	ST17-597-03	3mm
ST17-595-04	ST17-596-04	ST17-597-04	4mm
ST17-595-05	ST17-596-05	ST17-597-05	5mm
ST17-595-06	ST17-596-06	ST17-597-06	6mm



Reduced footplate



40° UPWARD

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

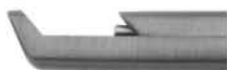
40° UPWARD JAW

18cm Shaft	20cm Shaft	Bite Size
ST17-598-01	ST17-599-01	2mm
ST17-598-02	ST17-599-02	3mm
ST17-598-03	ST17-599-03	4mm
ST17-598-04	ST17-599-04	5mm
ST17-598-05	ST17-599-05	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
ST17-600-01	2mm
ST17-600-02	3mm
ST17-600-03	4mm
ST17-600-04	5mm
ST17-600-05	6mm

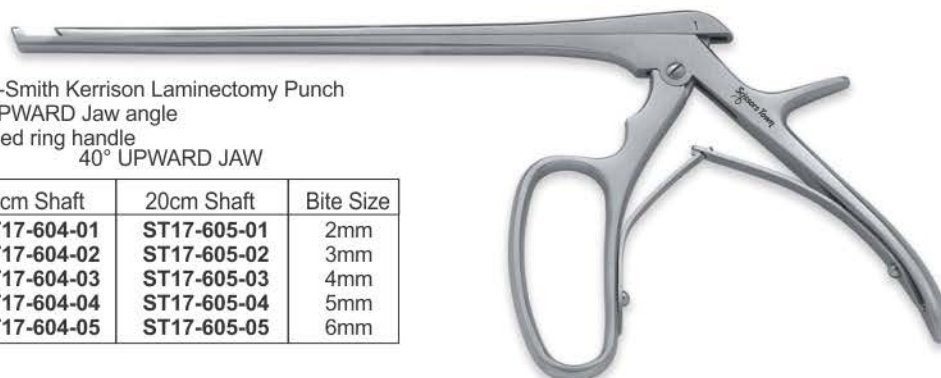


40° UPWARD



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

18cm Shaft	20cm Shaft	Bite Size
ST17-604-01	ST17-605-01	2mm
ST17-604-02	ST17-605-02	3mm
ST17-604-03	ST17-605-03	4mm
ST17-604-04	ST17-605-04	5mm
ST17-604-05	ST17-605-05	6mm



Jointed Arms



Retractor Frame
Jointed arms
Maximum
spread 70mm
ST17-620-00

Retractor Frame
Rigid arms
ST17-621-00

(Frame available with extra long rack 140mm spread)



Wide Muscle
Blade - 6 teeth
27mm width

ST17-622-03 3cm Depth
ST17-622-04 4cm Depth
ST17-622-05 5cm Depth
ST17-622-06 6cm Depth
ST17-622-07 7cm Depth
ST17-622-08 8cm Depth
ST17-622-09 9cm Depth
ST17-622-10 10cm Depth
ST17-622-12 12cm Depth

Extra Deep



Hook Blades

ST17-623-02 2cm Depth
ST17-623-03 3cm Depth
ST17-623-04 4cm Depth
ST17-623-05 5cm Depth
ST17-623-06 6cm Depth
ST17-623-07 7cm Depth
ST17-623-08 8cm Depth
ST17-623-09 9cm Depth
ST17-623-10 10cm Depth

Extra Deep



Narrow Muscle
Blade - 4 teeth
20mm width

ST17-624-03 3cm Depth
ST17-624-04 4cm Depth
ST17-624-05 5cm Depth
ST17-624-06 6cm Depth
ST17-624-07 7cm Depth
ST17-624-08 8cm Depth
ST17-624-09 9cm Depth
ST17-624-10 10cm Depth
ST17-624-12 12cm Depth

Extra Deep



Toothed Blades

ST17-625-02 2cm Depth
ST17-625-03 3cm Depth
ST17-625-04 4cm Depth
ST17-625-05 5cm Depth
ST17-625-06 6cm Depth
ST17-625-07 7cm Depth
ST17-625-08 8cm Depth
ST17-625-09 9cm Depth
ST17-625-10 10cm Depth

Extra Deep



Thin Muscle
Blade - 2 teeth

17mm width
ST17-626-03 3cm Depth
ST17-626-04 4cm Depth
ST17-626-05 5cm Depth
ST17-626-06 6cm Depth
ST17-626-07 7cm Depth
ST17-626-08 8cm Depth

Retractor de discectomía microlumbar

Mikro-Retraktor für lumbale Diskektomie

Micro divaricatore per discectomia lombare

Micro écarteur de discectomie lombaire



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
ST17-630-00

Consisting of:

Lateral Blades	Depth	Spatula	Depth
ST17-631-40	40mm	ST17-632-40	40mm
ST17-631-45	45mm	ST17-632-45	45mm
ST17-631-50	50mm	ST17-632-50	50mm
ST17-631-55	55mm	ST17-632-55	55mm
ST17-631-60	60mm	ST17-632-60	60mm
ST17-631-65	65mm	ST17-632-65	65mm
ST17-631-70	70mm	ST17-632-70	70mm



ST17-633-01 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 ST17-634-00



Specula Range



Caspar Micro Discectomy Retractor Frame ST17-635-00

