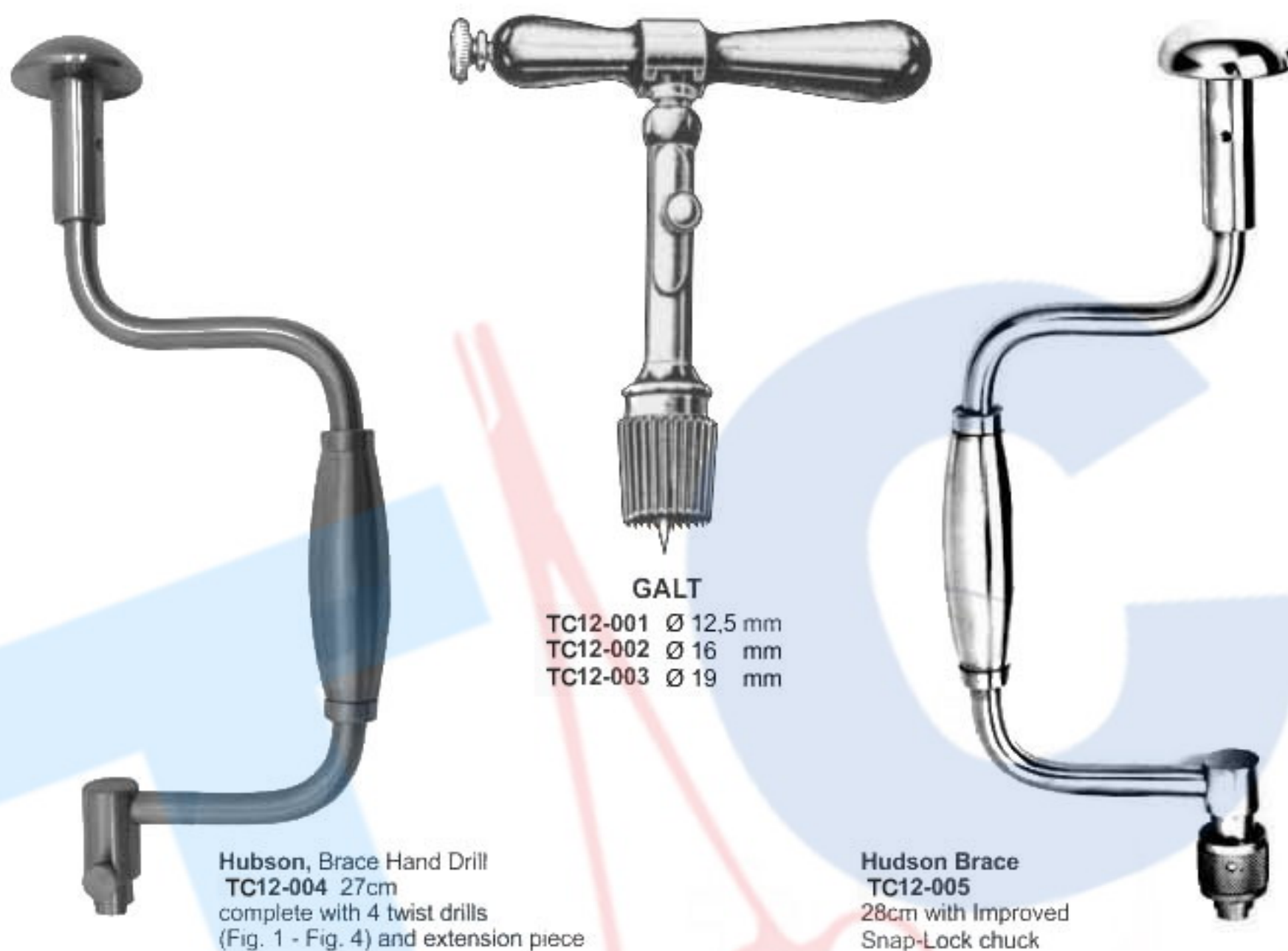


NEUROSURGERY INSTRUMENTS



MANUFACTURER & EXPORTER



Schadelhalter

Pinzas de traccion cranial

Pinces de traction Cranienne

Pinze per trazione craniale



**Crutchfield
Traction Tongs
TC12-013 13cm
small**

TC12-014



**Crutchfield drill bit
3.5mm**

**Crutchfield drill bit
5mm**

Set of 2 Pieces for
TC12-013 and TC12-015



**Crutchfield
Traction Tongs
TC12-015 18.5cm**



**Crutchfield Skull
TC12-016**

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



TC12-017

Wrench double-ended for



Cloward Vertebral Cervical Spreader
TC12-018



Spinal Distractor
TC12-019 24cm
45° angle / small style
6mm rods



Spinal Distractor
TC12-020 25.5cm
small style



Inge Retractor
TC12-021 20.5cm
toothed w/spindle



Supra Cut Distraction Screw
TC12-022 12mm Non Sterile
TC12-023 14mm Non Sterile
TC12-024 16mm Non Sterile
TC12-025 18mm Non Sterile
TC12-026 12mm Sterile
TC12-027 14mm Sterile
TC12-028 16mm Sterile
TC12-029 18mm Sterile



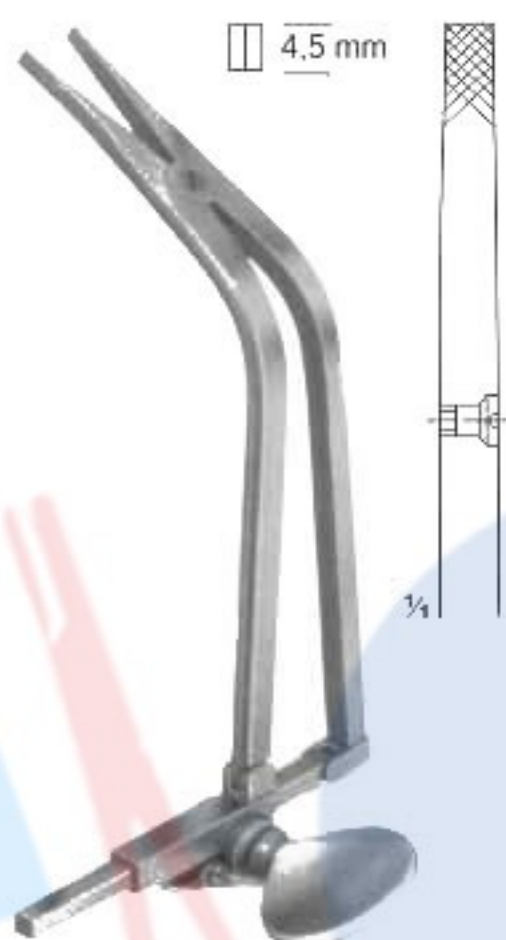
Supra Cut
Distraction
Screw Driver
TC12-030

Wundhaken
Separadores

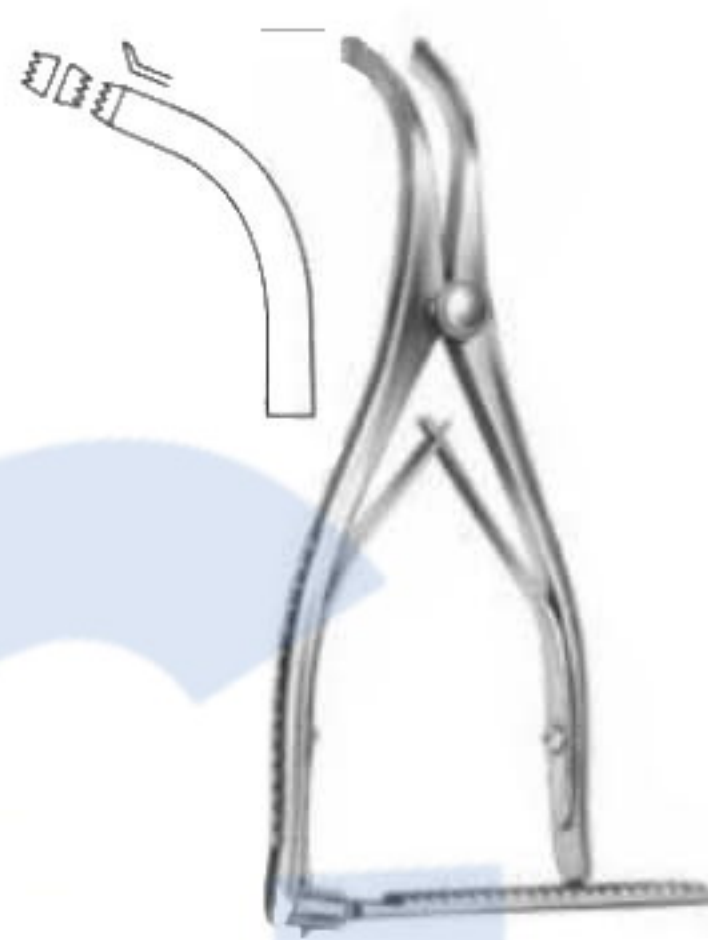
Ecarteurs
Divaricatori



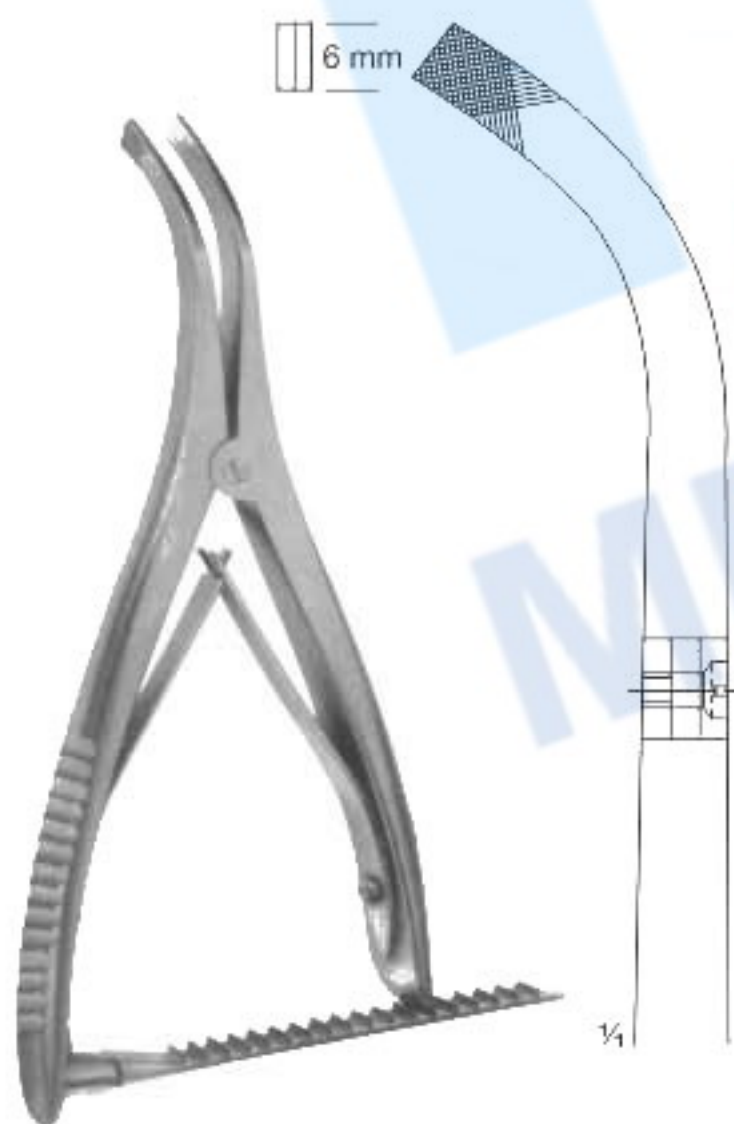
Cloward Retractor
TC12-031 15.5 cm



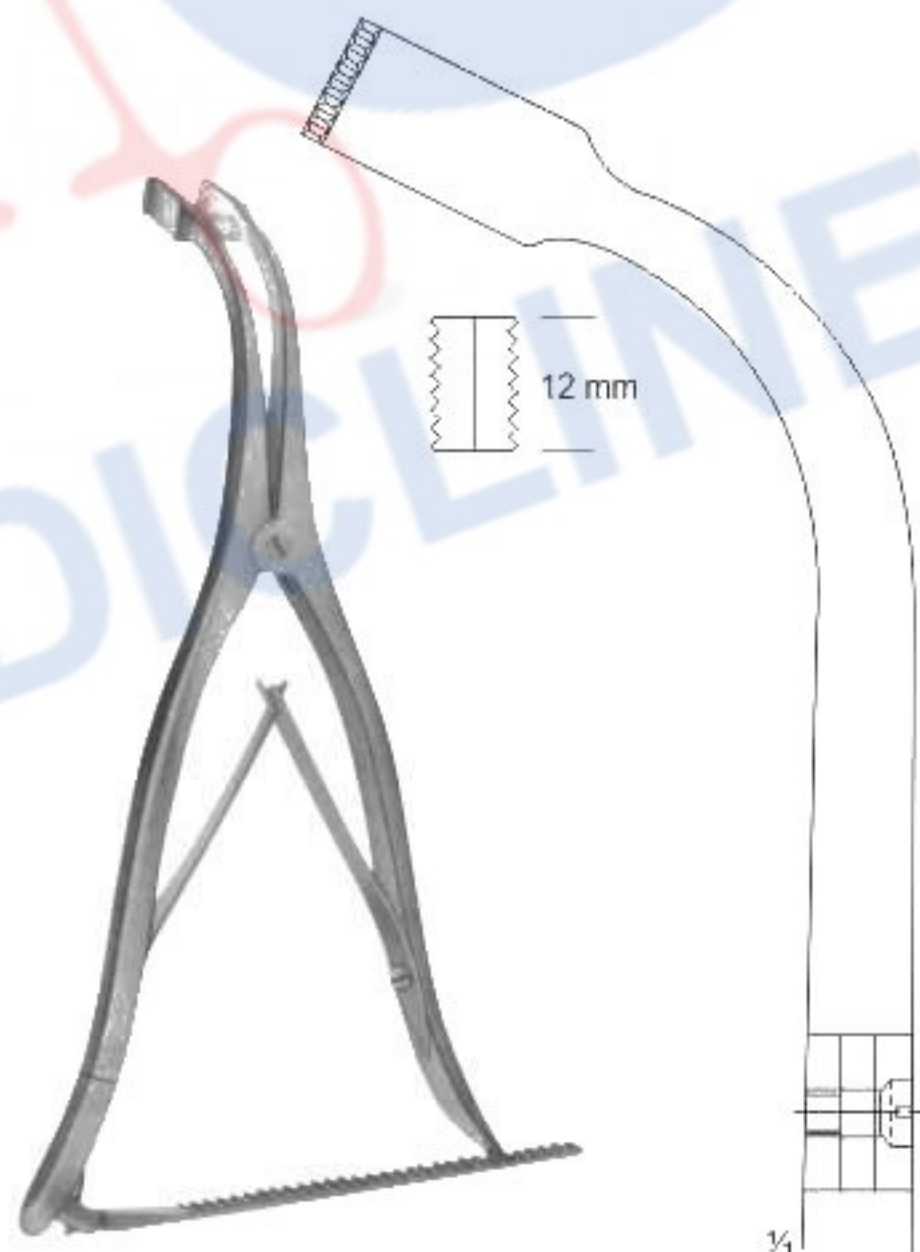
Cloward Retractor
TC12-032 13.5 cm



Inge
TC12-033
Lamina Spreader
16 cm



Inge Retractor
TC12-034 17 cm



Inge Retractor
TC12-035 27.5 cm

Instrumente zur Schädelöffnung
Instruments pour l'ouverture de crâne

Instrumentos para apertura craneana
Strumenti per l'apertura del cranio



De Martel
Saw Conductor
TC12-036 33cm



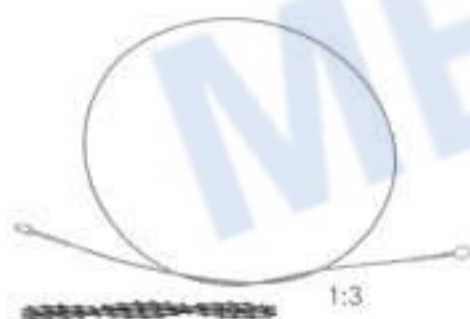
Adson
Drill guide
TC12-037
15cm



De Vilbiss
Skull Forceps
TC12-038
20cm



Dahlgren
TC12-039
Cranial Rongeur
20 cm



Olivecrona
Wire Saw
TC12-040 30cm
TC12-041 40cm
TC12-042 50cm
TC12-043 60cm
TC12-044 70cm



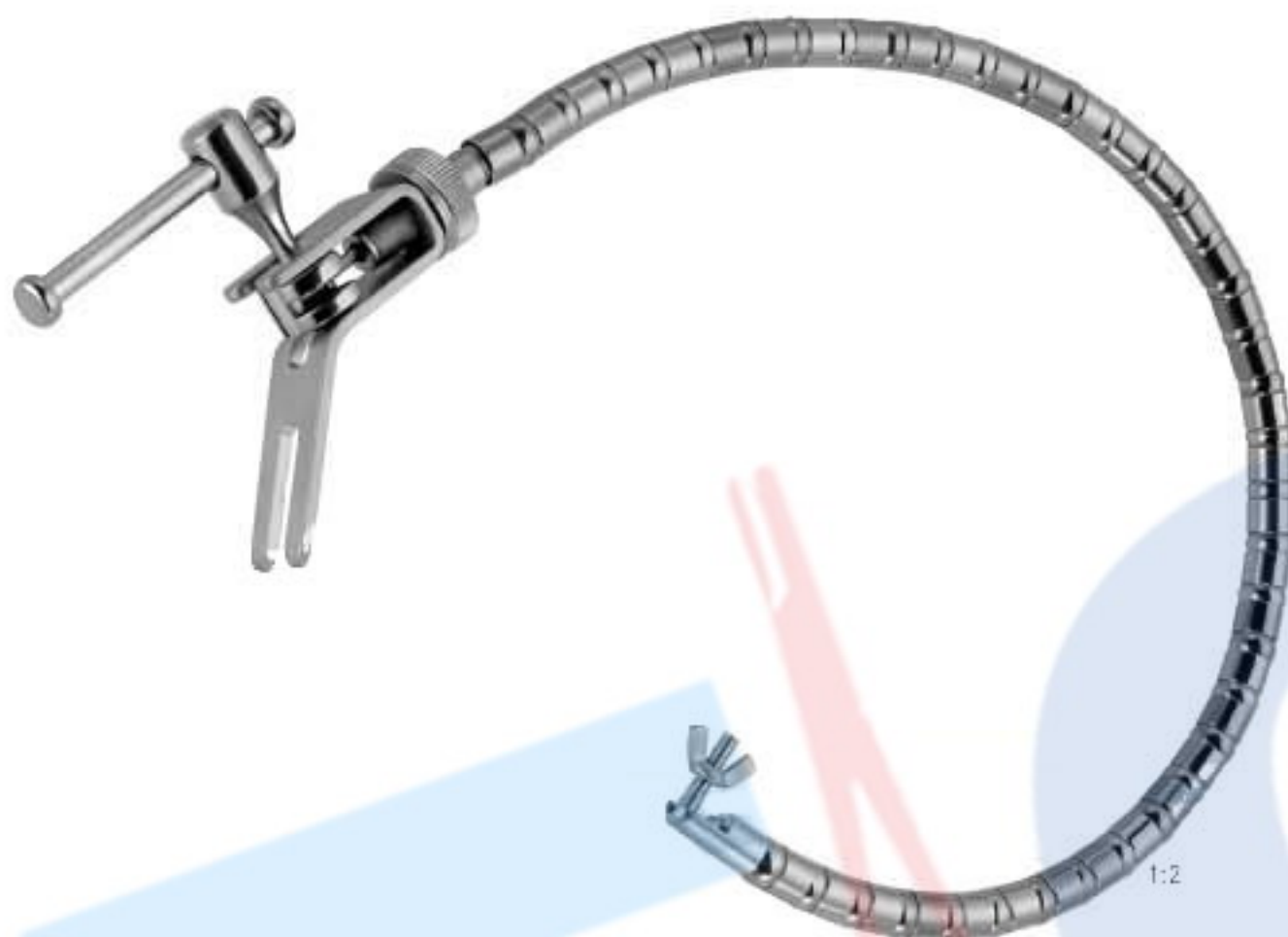
Gigle, Wire Saw
TC12-045 30cm
TC12-046 40cm
TC12-047 50cm
6 wires twisted



Gigle-Strully
Handle for
wire saw
TC12-048

selbsthaltender Hirnretraktor
Retracteur cerebrale autostatique

Separador cerebral autostatico
Retrattore celebrale autostatico



TC12-049

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

TC12-050

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



TC12-051

Fixation base only holding 2 flexible arms

TC12-052

Support only for flat brain spatulas

TC12-053

Fixation base only holding 1 flexible arms

TC12-054

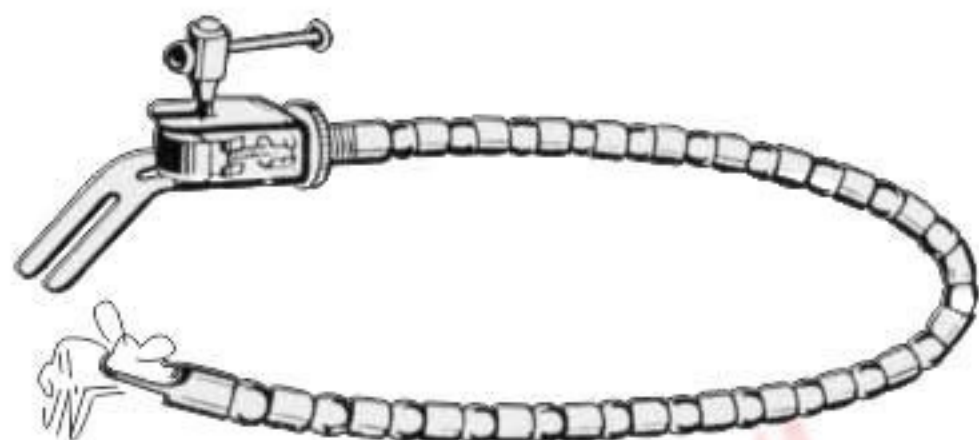
Support only for brain spatulas with round shaft of 4mm and 5mm to fix on the flexible arm

TC12-055

Flexible arm only for attaching coupling heads and for fixation bases

selbsthaltender Hirnretractor
Retracteur cerebrale autostatique

Separador cerebral autostatico
Retratore celebrale autostatico



TC12-056
wire cable only



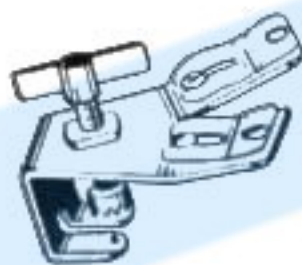
TC12-057
Support only,
flat brain spatulas,



TC12-058
Support only,
for brain spatulas
with round shaft
up to 5.5 mm diam.
Fixing for flexible



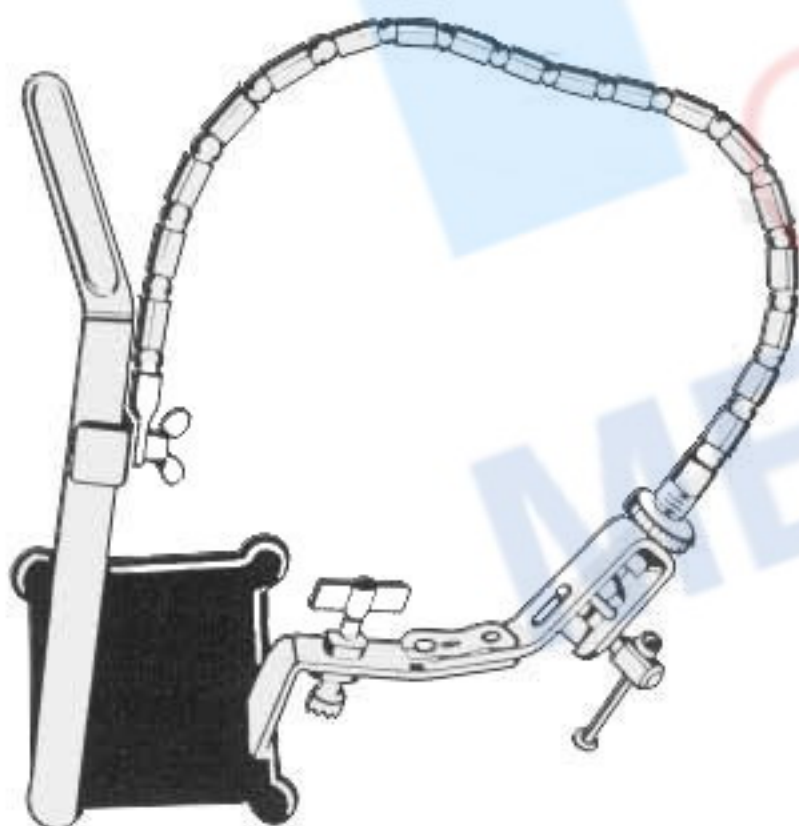
Riechert
TC12-059
Fixation base, for skull
mounting, holding 1
flexible arms



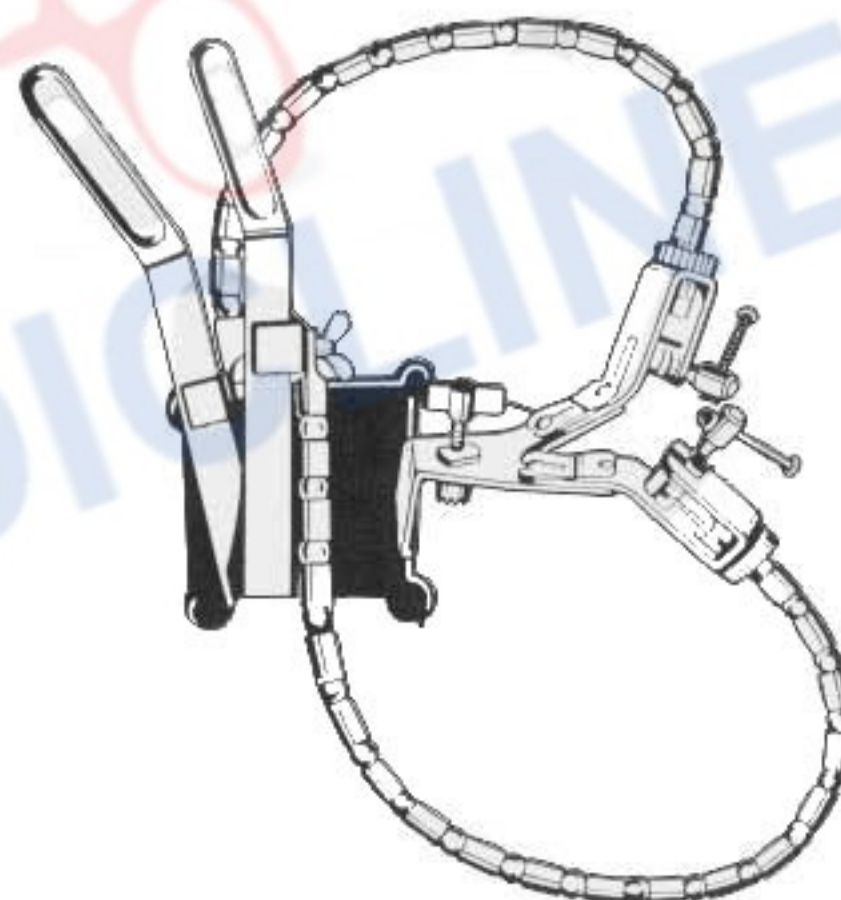
Riechert
TC12-060
Fixation base, for skull
mounting, holding 2
flexible arms



TC12-061
Fixation base, for skull
mounting, holding 1
flexible arms



Leyla
Self-Retaining Brain Retractor
with 1 flexible arm, complete consisting of
TC12-062
TC12-063
TC12-064



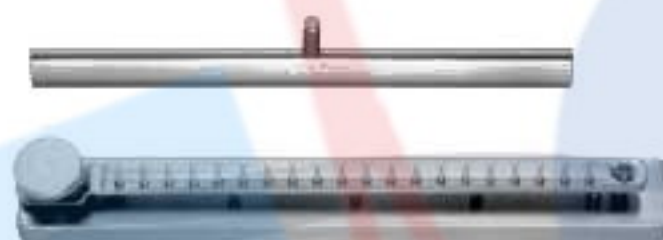
Leyla
Self-Retaining Brain Retractor
with 2 flexible arms, complete consisting of
TC12-065
TC12-066
TC12-067



McKenzie Clip Applying Forceps

TC12-068
15cm
TC12-069
19cm
Straight

TC12-070
15cm
TC12-071
19cm
Curved



McKenzie TC12-072 148mm x 40mm x 6mm
Brain clip rack for 20 clips



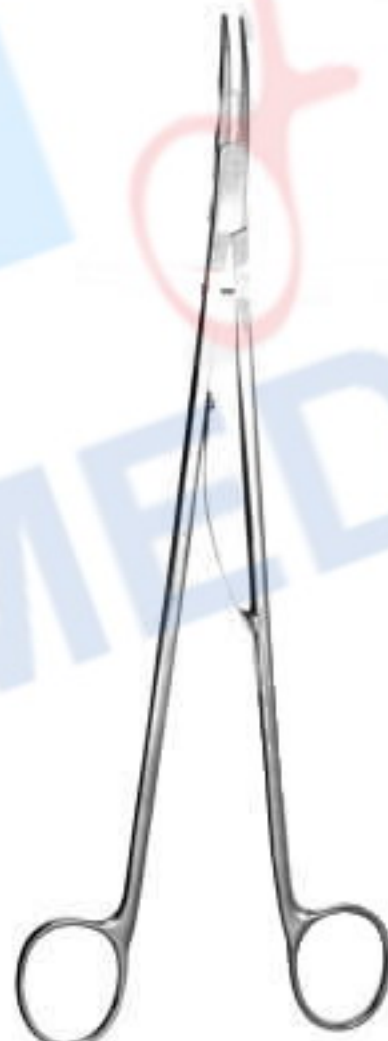
McKenzie Clip Applying Forceps TC12-073
Straight Handle, Curved Jaws, 15cm



McKenzie Clip Applying Forceps TC12-074
Curved Handle, Curved Jaws, 15cm



Smithwick Clip Applying Forceps TC12-075
23 cm Curved Jaws
Straight Handle



Smithwick Clip Applying Forceps TC12-076
26.5 cm Curved Jaws
Straight Handle



Schwartz Clip Applying Forceps TC12-077 20cm
Schwartz Vessel Clip
TC12-078 2.5cm Straight Jaws 1.7x 8mm
TC12-079 2.5cm Slightly Angled Jaws 1.7x 8mm
TC12-080 2.5cm Strong Angled Jaws 1.7x 8mm

Clips und anlegezangen

Clips et pinces a appliquer

Clips y aplicadores

Clips e pinze per mettere clips



Bailey-Gigli
TC12-081
Saw Guide 30.5cm
flexible



Davis
TC12-082
Guide for Gigli Saws,
20cm



TC12-083

TC12-084

TC12-085

Michele Trephine,
TC12-083 16cm shaft, 0.47cm
O.D graduated 0.64cm To 3.2cm
TC12-084 16cm shaft, 0.79cm
O.D graduated 0.64cm To 3.2cm
TC12-085 16cm shaft, 0.56cm
O.D graduated 0.64cm To 3.2cm



Olivecrona Toennis
(Scoville), Clip Forceps
TC12-086 14cm



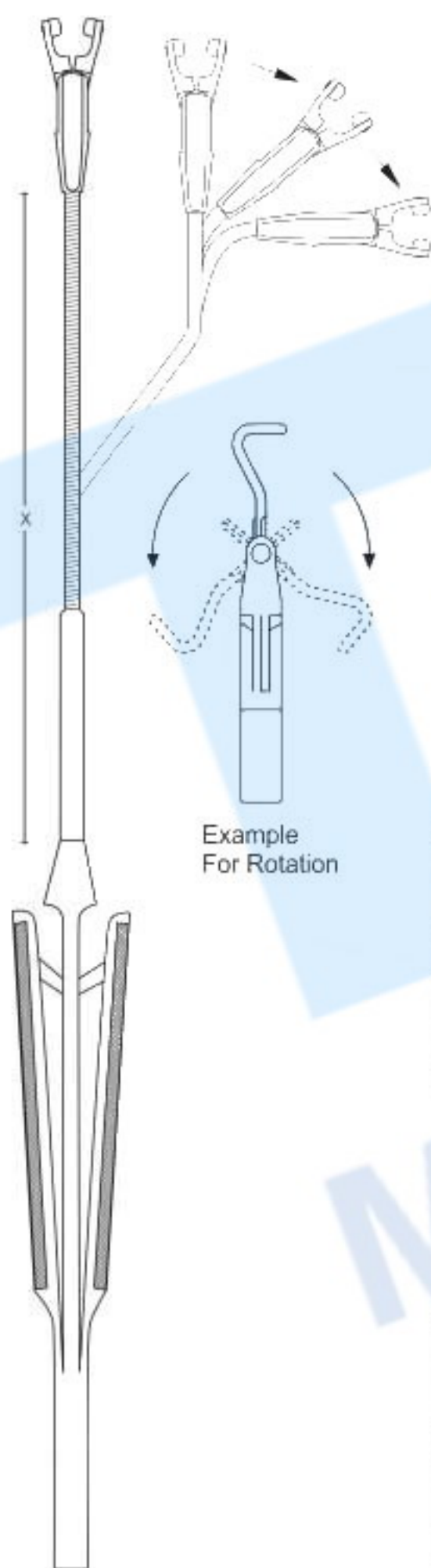
Raney Applyig &
Removing Forceps
TC12-087 15cm



TC12-088
Raney Hemostasis
Clip



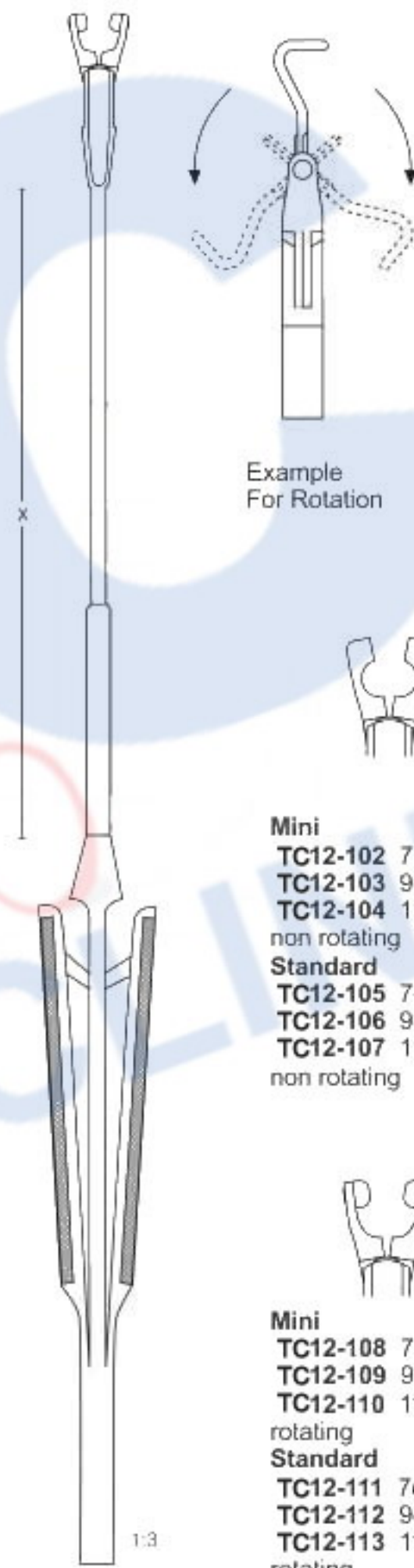
TC12-089
Kolner Scalp
Clip



Example
For Rotation

Mini
TC12-090 7cm
TC12-091 9cm
TC12-092 11cm
 non rotating
Standard
TC12-093 7cm
TC12-094 9cm
TC12-095 11cm
 non rotating

Mini
TC12-096 7cm
TC12-097 9cm
TC12-098 11cm
 rotating
Standard
TC12-099 7cm
TC12-100 9cm
TC12-101 11cm
 rotating



Example
For Rotation

Mini
TC12-102 7cm
TC12-103 9cm
TC12-104 11cm
 non rotating
Standard
TC12-105 7cm
TC12-106 9cm
TC12-107 11cm
 non rotating

Mini
TC12-108 7cm
TC12-109 9cm
TC12-110 11cm
 rotating
Standard
TC12-111 7cm
TC12-112 9cm
TC12-113 11cm
 rotating

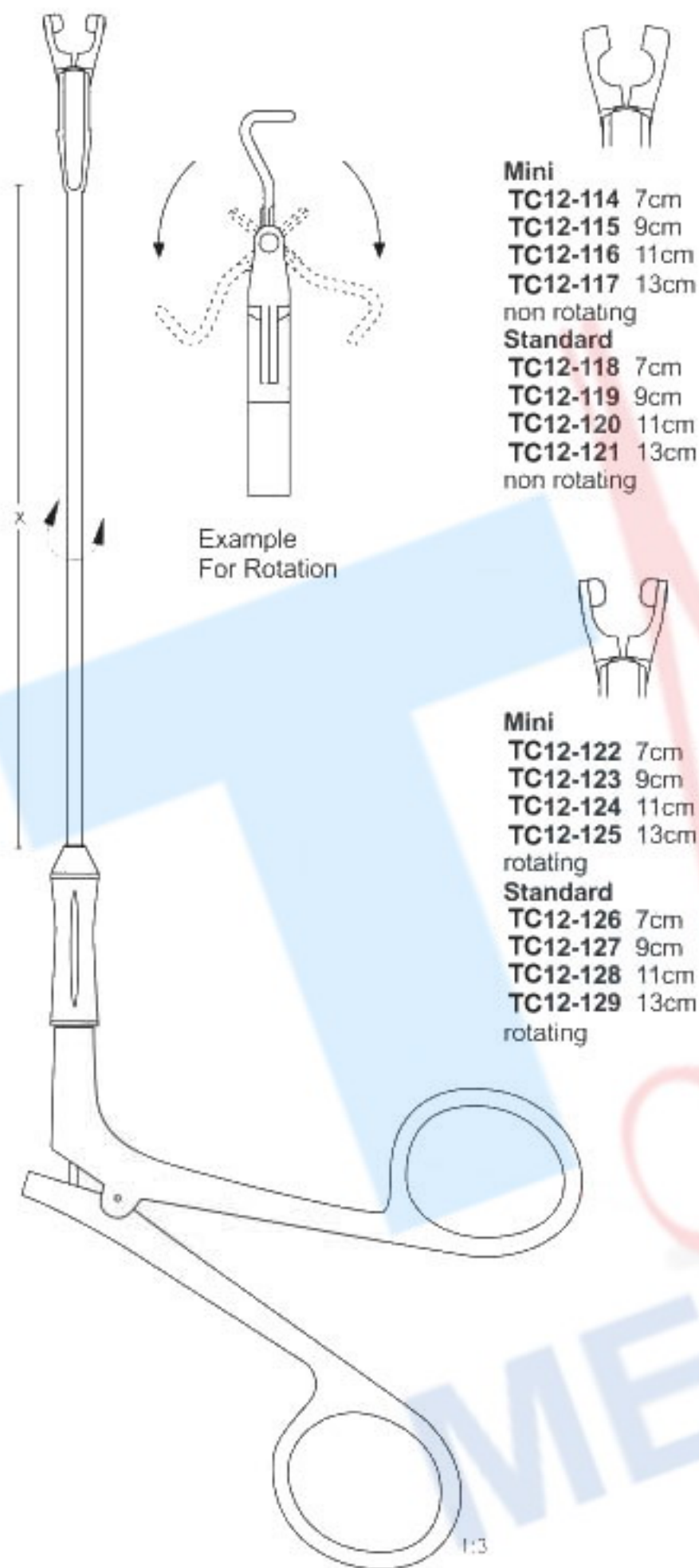
Applying Forceps For Yasargil Clips

Clips und anlegezangen

Clips y aplicadores

Clips et pinces à appliquer

Clips e pinze per mettere clips



Applying Forceps



Applying Forceps

Mini
TC12-130 18cm
Straight with ratchet
Standard
TC12-131 18cm
Straight with ratchet

Mini
TC12-132 17cm
TC12-133 21cm
TC12-134 23cm
bayonett shaped, with ratchet
Standard
TC12-135 17cm
TC12-136 21cm
TC12-137 23cm
bayonett shaped, with ratchet

Hirnspatel
Spatules cerebrales

Espatules cerebrales
Spatole cerebrali



1:2

Cushing, brain spatula
TC12-138 7mm x 9mm
TC12-139 11mm x 13mm
TC12-140 15mm x 18mm
TC12-141 18mm x 22mm
18cm



1:2

Olivecrona
TC12-142
brain spatula
18cm



Brain Spatula
TC12-143 7mm x 9mm
TC12-144 11mm x 13mm
TC12-145 15mm x 18mm
TC12-146 18mm x 22mm
18cm Convex



Brain Spatula
TC12-147 7mm x 9mm
TC12-148 11mm x 13mm
TC12-149 15mm x 18mm
TC12-150 18mm x 22mm
18cm Concave



1:2

Heifetz, brain spatula
TC12-151 8mm
TC12-152 11mm
TC12-153 14mm
TC12-154 17mm
TC12-155 20mm
20cm Malleable

NERVE HOOKS



**Scoville, Nerve
Root Retractor**
TC12-156 23cm
8mm



**Holsher Nerve
Root Retractor**
TC12-157 24cm
7mm



**Martin Nerve
Root Retractor**
TC12-158 21cm
7mm

Nervenhaken - Durahaken

Crochets a nerfs - Crochets pour duremers

Ganchos para nervios - Ganchos para duramadre

Uncini per nervi - Uncini per duramadre



TC12-159
15cm



TC12-160
19cm

**Toennis Nerve
Dura Hook**



**Halle Nerve
Dura Hook**
TC12-161 20cm



**Smithwick Nerve
Dura Hook**
TC12-162 17cm
TC12-163 21cm



**Hoen Nerve
Dura Hook**
TC12-164 22cm



**Cushing Nerve
Dura Hook**



TC12-165 19cm
TC12-166 28cm



TC12-167 19cm
TC12-168 28cm

Nervenhaken - Durahaken

Crochets a nerfs - Crochets pour duremers

Ganchos para nervios - Ganchos para duramadre

Uncini per nervi - Uncini per duramadre



**Olivecrona
TC12-169**
Dura Dissector
18 cm



**Olivecrona
TC12-170**
Dura Dissector
20 cm



**Milligan
TC12-171**
Dura Dissector
21.5 cm



**Davis
TC12-172**
Dura Dissector sharp
21.5 cm



**Graham Nerve
Dura Hook
TC12-173**
18.5cm



**Frazier Nerve
Dura Hook
TC12-174**
17cm



**Dandy Nerve
Dura Hook
TC12-175**
20cm



**Dandy Nerve
Dura Hook
TC12-176**
20cm



**Dandy Nerve
Dura Hook
TC12-177**
20cm



**Adson Nerve
Dura Hook**



TC12-178
20cm



TC12-179
20cm

Nervenhaken - Durahaken

Crochets a nerfs - Crochets pour duremers

Ganchos para nervios - Ganchos para duramadre

Uncini per nervi - Uncini per duramadre



**Love Nerve Dura
Hook Retractor
TC12-180** 19cm
Straight



**Love Nerve Dura
Hook Retractor
TC12-181** 19cm
45° Angled



**Love Nerve Dura
Hook Retractor
TC12-182** 19cm
90° Angled



**Cushing Nerve Dura
Hook Retractor
TC12-183** 14cm



**Frazier Nerve Dura
Hook Retractor**



TC12-184 13cm
TC12-185 18cm
Blunt



**Lahey Nerve Dura
Hook Retractor
TC12-186** 13cm



**Yasargil Nerve Dura
Hook Retractor
TC12-187** 21cm
TC12-188 41cm
Galea retractor

Dura-Dissektoren

Decolleurs duremere

Disectores de duramadre

Disetori per duramadre



**Toennis Dura
Dissector
TC12-189
25cm**



**Davis Dura
Dissector
TC12-190
24.5cm**



**Dura Dissector
TC12-191 22cm**



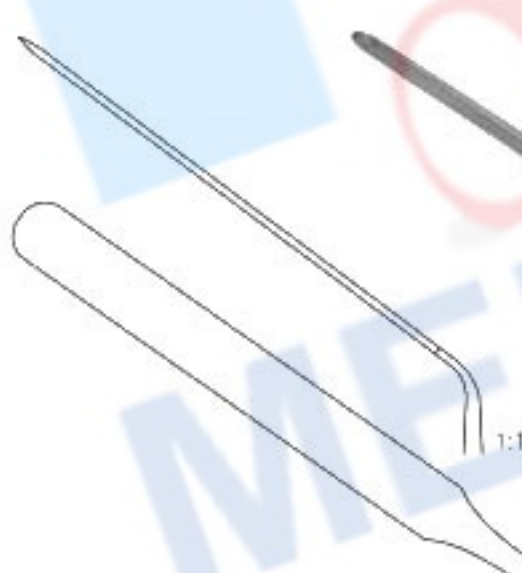
**Sachs Dura
Dissector
TC12-192 21cm**



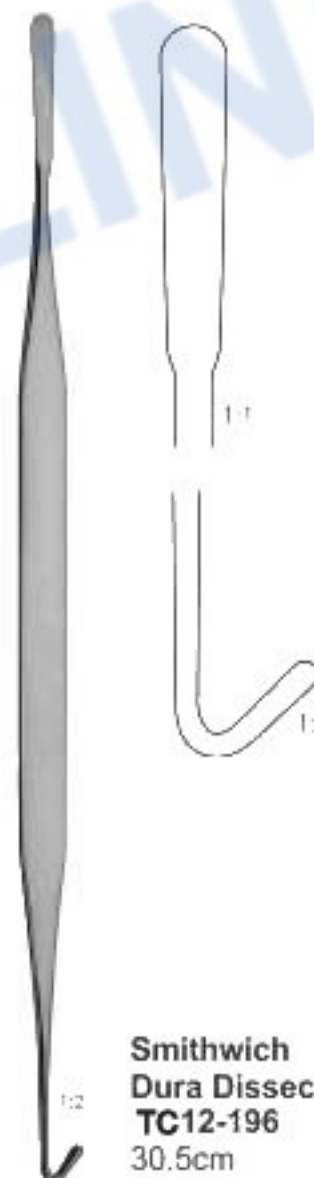
**Sachs Dura
Dissector
TC12-193 21cm**



**Sachs Dura
Dissector
TC12-194
21cm**



**Horsley Dura
Dissector
TC12-195
20cm**



**Smithwich
Dura Dissector
TC12-196
30.5cm**

Dura-Dissektoren

Disectores de duramadre

Decolleurs duremere

Dissetori per duramadre



**Groningen
TC12-197**
Nerve Hook
26.5 cm



**Groningen
TC12-198**
Nerve Hook
26.5 cm



**TC12-199
A**



**TC12-200
B**



Cushing
Nerve Hook blunt
19 cm



**Penfield Dura
Dissector**
TC12-201 17.5cm



**Penfield Dura
Dissector**
TC12-202 19.5cm



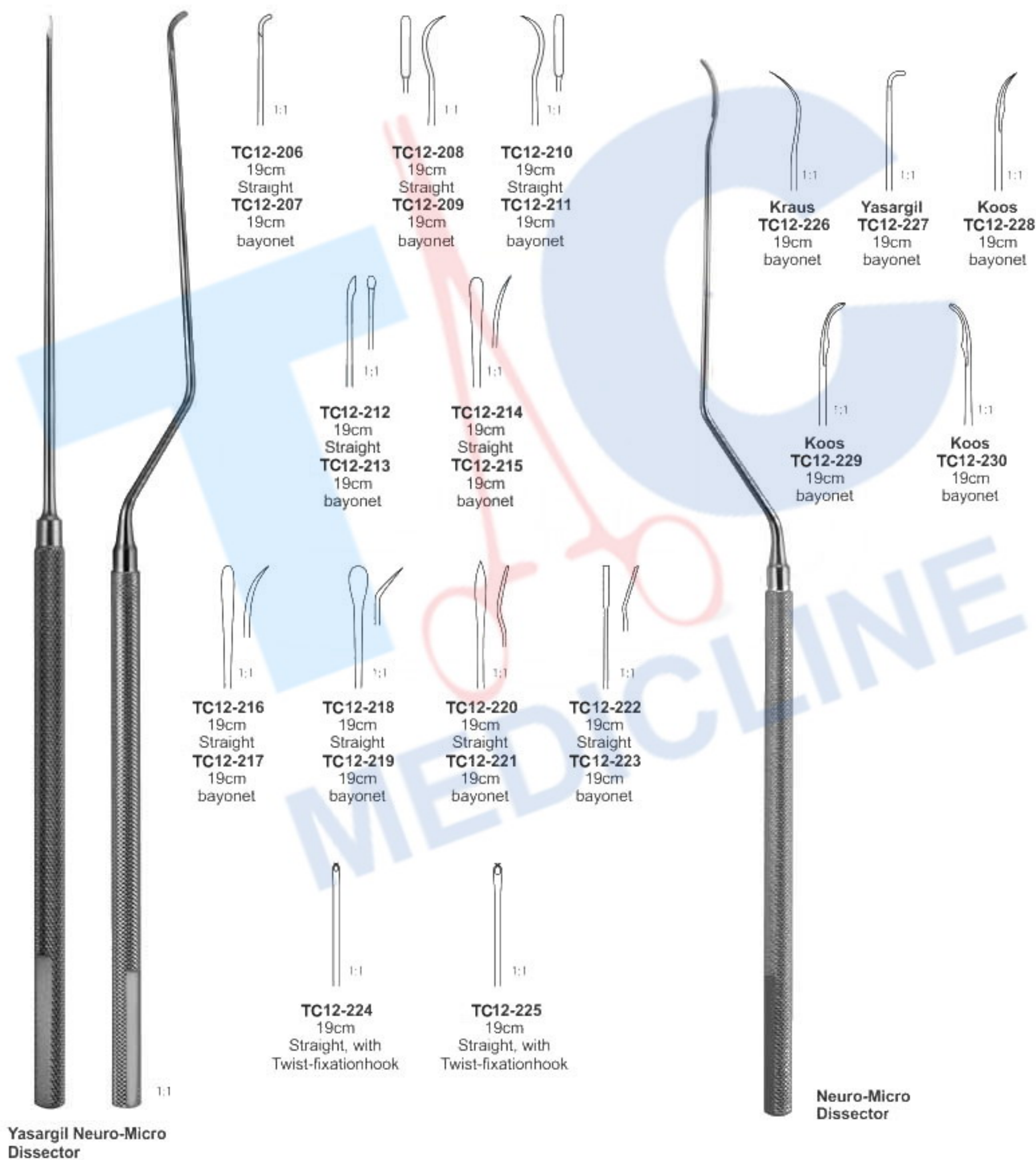
**Penfield Dura
Dissector**
TC12-203 19.5cm



**Penfield Dura
Dissector**
TC12-204 19.5cm



**Penfield Dura
Dissector**
TC12-205 19.5cm



Neuro-Dissektoren und kurretten

Neuro-dissecteurs et curettes

Disectores y curetas para neurocirugía

Scollatori per neuro-chirurgia



**Jacobson Neuro-Micro
Dissector
TC12-231**
19cm



**Neuro-Micro
Dissector
TC12-232**
19cm



**Jacobson
Neuro-Micro
Dissector
TC12-233**
19cm



**Fisch
Neuro-Micro
Dissector
TC12-234**
19cm



**Hardy
Neuro-Micro
Dissector
TC12-235**
25cm
bayonet, sharp
inner edge



**Hardy
Neuro-Micro
Dissector
TC12-236**
25cm
bayonet, sharp
inner edge



**Hardy
Neuro-Micro
Dissector
TC12-237**
25cm
bayonet, sharp
inner edge



**Hardy
Neuro-Micro
Dissector
TC12-238**
25cm
bayonet, sharp
inner edge



**Hardy
Neuro-Micro
Dissector
TC12-239** 4mm
27cm
bayonet,
malleable



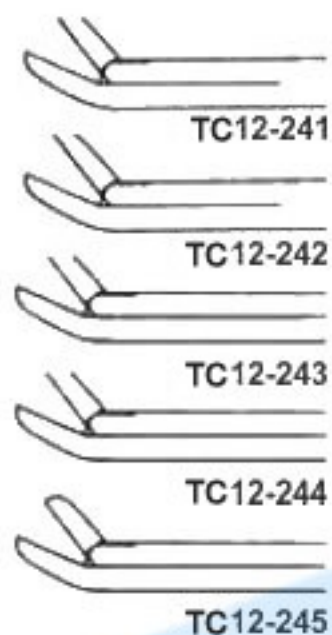
**Hardy
Neuro-Micro
Dissector
TC12-240** 6mm
27cm
bayonet,
malleable

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

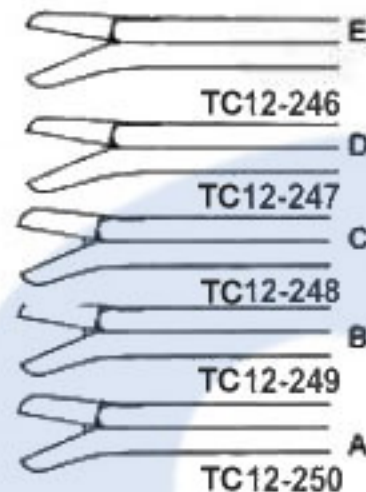
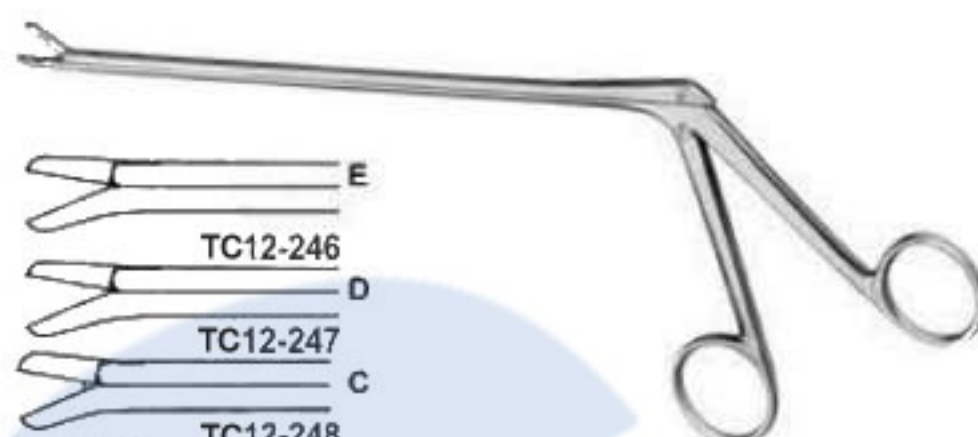
Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



Cushing

Laminectomy Rongeur jaw 2 x 10 to 4 x 10 mm straight shaft length 180 mm



Cushing

Laminectomy Rongeur jaw 2 x 10 to 4 x 10 mm upwards 45 degree



Cushing Intervertebral Disc Rongeurs

2 X 10mm, 13cm
TC12-251 Straight
TC12-252 UP
TC12-253 Down

Love-Gruenwald Intervertebral Disc Rongeurs

3 X 10mm, 13cm
TC12-254 Straight
TC12-255 Up
TC12-256 Down

Spurling Intervertebral Disc Rongeurs

4 X 10mm, 13cm
TC12-257 Straight
TC12-258 Up
TC12-259 Down

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglianti per laminectomia



Cushing Intervertebral Disc Rongeurs

2 X 10mm, 15cm
TC12-260 straight
TC12-261 UP
TC12-262 Down

1.5 X 10mm, 18cm
TC12-263 straight
TC12-264 Up
TC12-265 Down

2 X 10mm, 18cm
TC12-266 straight
TC12-267 UP
TC12-268 Down

1.5 X 10mm, 23cm
TC12-269 straight
TC12-270 Up
TC12-271 Down

2 X 10mm, 23cm
TC12-272 straight
TC12-273 UP
TC12-274 Down

2 X 10mm, 25.5cm
TC12-275 straight
TC12-276 UP
TC12-277 Down

2 X 10mm, 28cm
TC12-278 straight
TC12-279 UP
TC12-280 Down

2 X 10mm, 30.5cm
TC12-281 straight
TC12-282 UP
TC12-283 Down

Love-Gruenwald Intervertebral Disc Rongeurs

3 X 10mm, 15cm
TC12-284 straight
TC12-285 Up
TC12-286 Down

3 X 10mm, 18cm
TC12-287 straight
TC12-288 Up
TC12-289 Down

3 X 10mm, 23cm
TC12-290 straight
TC12-291 Up
TC12-292 Down

3 X 10mm, 25.5cm
TC12-293 straight
TC12-294 Up
TC12-295 Down

3 X 10mm, 28cm
TC12-296 straight
TC12-297 Up
TC12-298 Down

3 X 10mm, 30.5cm
TC12-299 straight
TC12-300 Up
TC12-301 Down

Spurling Intervertebral Disc Rongeurs

4 X 10mm, 15cm
TC12-302 straight
TC12-303 Up
TC12-304 Down

4 X 10mm, 18cm
TC12-305 straight
TC12-306 Up
TC12-307 Down

4 X 10mm, 23cm
TC12-308 straight
TC12-309 Up
TC12-310 Down

4 X 10mm, 25.5cm
TC12-311 straight
TC12-312 Up
TC12-313 Down

4 X 10mm, 28cm
TC12-314 straight
TC12-315 Up
TC12-316 Down

4 X 10mm, 30.5cm
TC12-317 straight
TC12-318 Up
TC12-319 Down

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglianti per laminectomia



Wilde Intervertebral Disc Rongeurs

18cm Straight

TC12-320 2.5mm

TC12-321 3mm

TC12-322 4mm

TC12-323 5mm

18cm Angled up

TC12-324 2.5mm

TC12-325 3mm

TC12-326 4mm

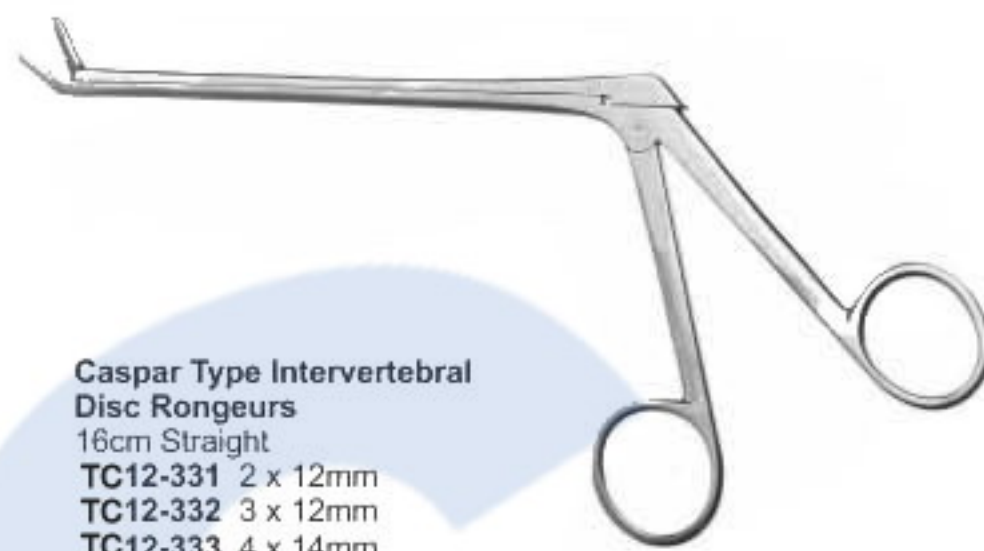
TC12-327 5mm

23.5cm Straight

TC12-328 3mm

TC12-329 4mm

TC12-330 5mm



Caspar Type Intervertebral Disc Rongeurs

16cm Straight

TC12-331 2 x 12mm

TC12-332 3 x 12mm

TC12-333 4 x 14mm

TC12-334 5 x 14mm

TC12-335 6 x 16mm

16cm Up

TC12-336 3 x 12mm

TC12-337 4 x 14mm

TC12-338 5 x 14mm

16cm Down

TC12-339 3 x 12mm

TC12-340 4 x 14mm



Caspar Type Intervertebral Disc Rongeurs

18.5cm Straight

TC12-341 2 x 12mm

TC12-342 3 x 12mm

TC12-343 4 x 14mm

TC12-344 5 x 14mm

TC12-345 6 x 16mm

18.5cm Up

TC12-346 2 x 12mm

TC12-347 3 x 12mm

TC12-348 4 x 14mm

TC12-349 5 x 14mm

18.5cm Down

TC12-350 2 x 12mm

TC12-351 3 x 12mm

TC12-352 4 x 14mm



Cushing Intervertebral Disc Rongeurs

w/teeth 2 x 10mm, 18cm

TC12-353 Straight

TC12-354 Up

TC12-355 Down

L-G Intervertebral Disc Rongeurs

w/teeth 3 x 10mm, 18cm

TC12-356 Straight

TC12-357 Up

TC12-358 Down

3 x 10mm, 25.5cm

TC12-359 Straight

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglianti per laminectomia



**Schlesinger Intervertebral
Disc Rongeurs**

TC12-360 2 x 10mm, 13cm Straight
TC12-361 3 x 10mm, 13cm Straight
TC12-362 4 x 10mm, 13cm Straight
TC12-363 3 x 10mm, 13cm Angled Up



**Cloward Intervertebral
Disc Rongeurs**

serrated 6 x 10mm, 13cm
TC12-364 Straight
TC12-365 Up
TC12-366 Down



**Oldberg Intervertebral
Disc Rongeurs**

TC12-367 6mm Diameter
18.5cm



**Selverstone Intervertebral
Disc Rongeurs**

TC12-368 2 x 3mm, 15cm
TC12-369 2 x 5mm, 15cm

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



Decker Intervertebral Disc Rongeurs

2 x 5mm, 15cm

TC12-370 Right

TC12-371 Left

TC12-372 Down

TC12-373 Up

TC12-374 Straight

Jackson Intervertebral Disc Rongeurs

70° Up 18cm

TC12-375 2 x 8mm

TC12-376 3 x 8mm

TC12-377 4 x 8mm

Williams Style Micro Disc Intervertebral Disc Rongeurs

1 x 2 teeth, Straight

TC12-378 14cm

TC12-379 18cm

TC12-380 25.5cm



Micro Cup Forceps

14cm, 0.5mm

TC12-381 Straight

TC12-382 Right

TC12-383 Left

Micro Cup Forceps

14cm 1mm

TC12-384 Straight

TC12-385 Right

TC12-386 Left

14cm 2mm

TC12-387 Straight

Micro Cup Forceps

20.5cm, 2mm

TC12-388 Straight

TC12-389 Up

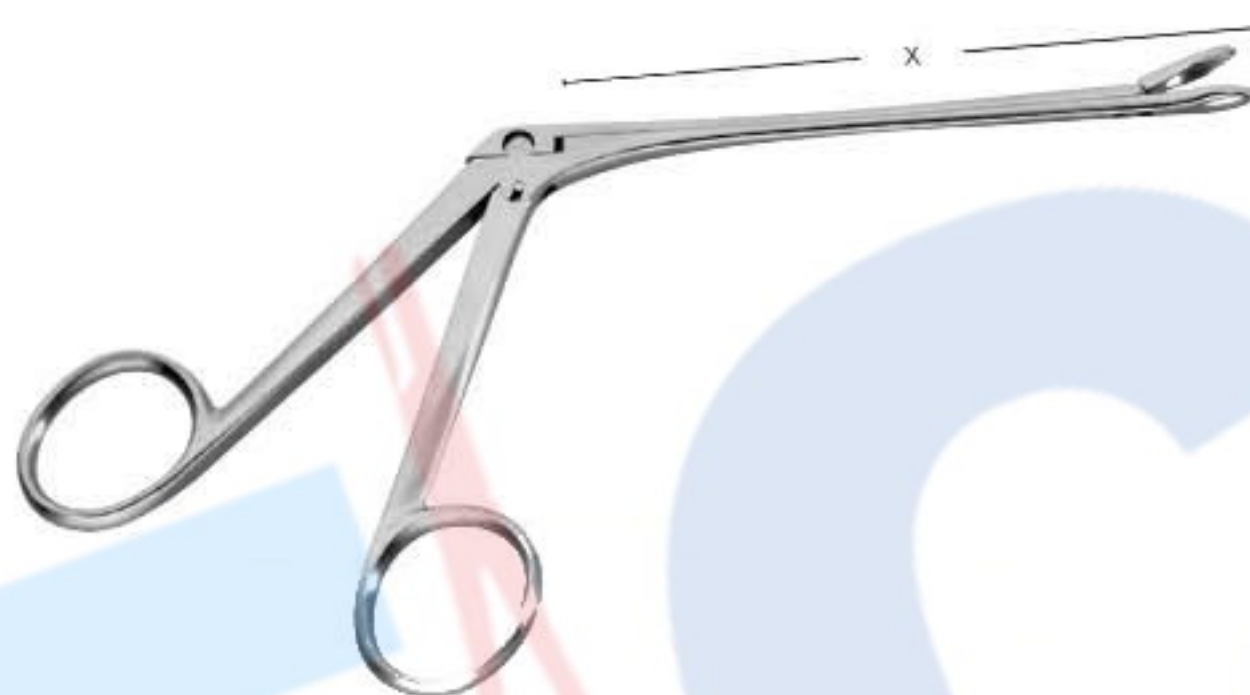
TC12-390 Down

Laminektomieezangen

Pinces emporte pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglianti per laminectomia



Well Blakesley Laminectomy rongeurs

						
	12cm Straight	Fig. 1 3.0mm TC12-391	Fig. 2 3.5mm TC12-392	Fig. 3 4.5mm TC12-393	Fig. 4 5.0mm TC12-394	Fig. 5 5.5mm TC12-395
	12cm 45° up	TC12-396	TC12-397	TC12-398	TC12-399	TC12-400
	12cm 90° up	TC12-401	TC12-402	TC12-403		
	18cm 45° up	Fig. 1 3.0mm TC12-404	Fig. 2 3.5mm TC12-405	Fig. 3 4.5mm TC12-406	Fig. 4 5.0mm TC12-407	Fig. 5 5.5mm TC12-408
	18cm 7" 90° up	TC12-409	TC12-410	TC12-411	TC12-412	

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglianti per laminectomia



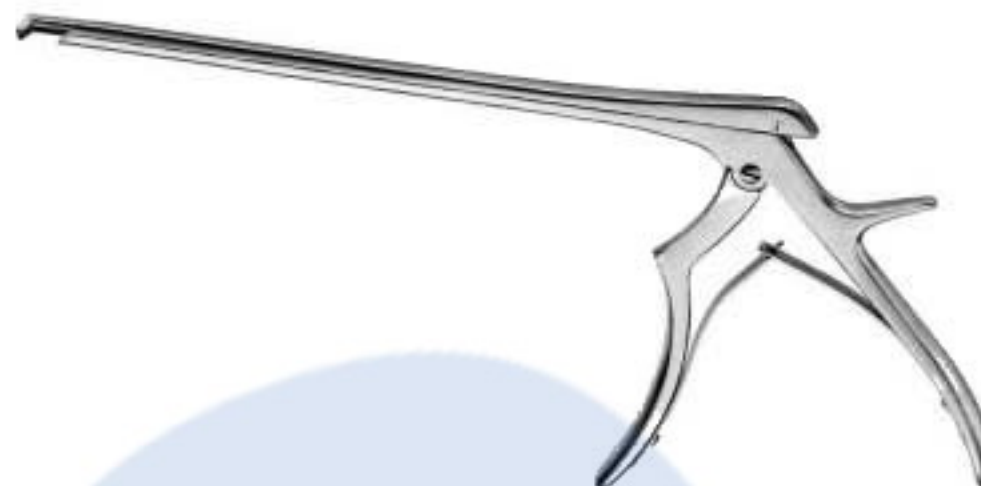
**Ferris Smith Micro Kerrison
Laminectomy Rongeurs**

45° UP 9mm bite opening 18cm

- TC12-413 1mm
- TC12-414 2mm
- TC12-415 3mm
- TC12-416 4mm
- TC12-417 5mm
- TC12-418 6mm

90° UP 9mm bite opening 20.5cm

- TC12-419 1mm
- TC12-420 2mm
- TC12-421 3mm
- TC12-422 4mm
- TC12-423 5mm
- TC12-424 6mm



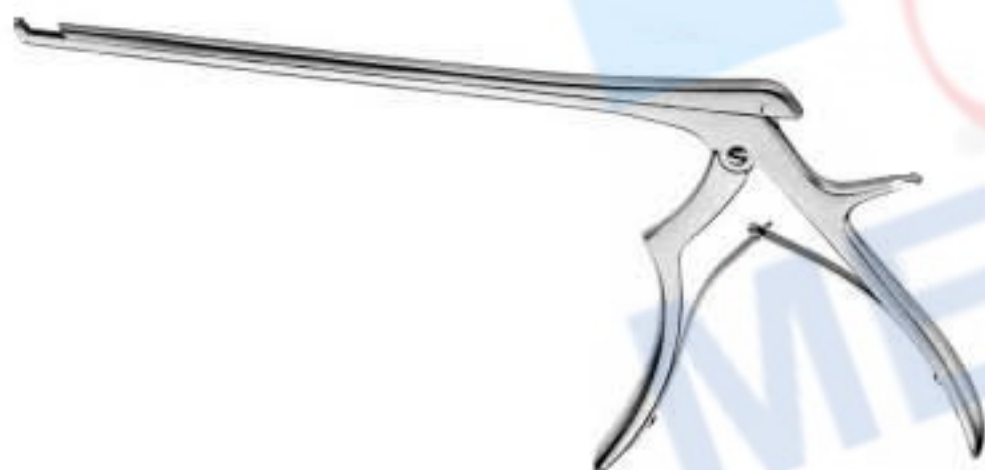
**Ferris Smith Micro Kerrison
Laminectomy Rongeurs**

45° Down 9mm bite opening 18cm

- TC12-425 1mm
- TC12-426 2mm
- TC12-427 3mm
- TC12-428 4mm
- TC12-429 5mm
- TC12-430 6mm

90° Down 9mm bite opening, 20.5cm

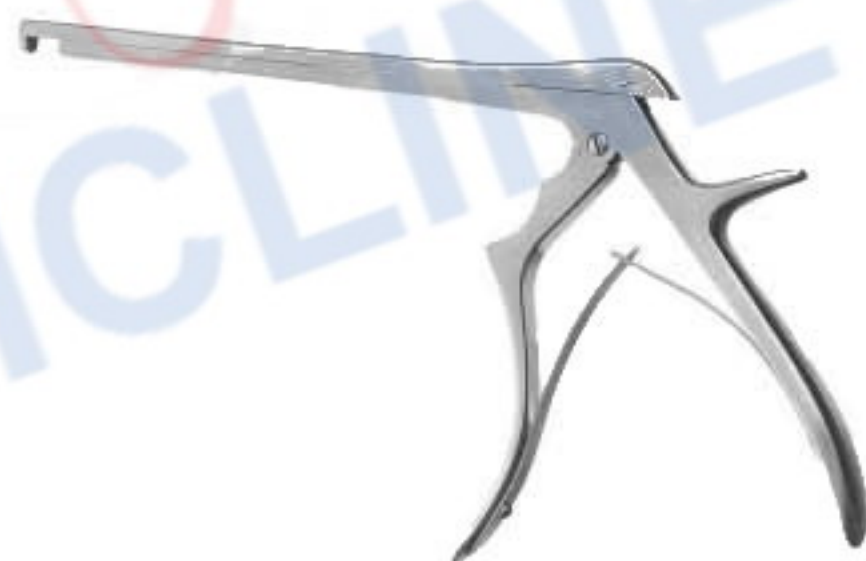
- TC12-431 1mm
- TC12-432 2mm
- TC12-433 3mm
- TC12-434 4mm
- TC12-435 5mm
- TC12-436 6mm



**Micro Ejector Kerrison
Laminectomy Rongeurs**

40° Up 20.5cm

- TC12-437 2mm
- TC12-438 3mm
- TC12-439 4mm
- TC12-440 5mm
- TC12-441 6mm



**Wide Mouth Ejector Kerrison
Laminectomy Rongeurs**

40° Up 18cm

- TC12-442 2mm
- TC12-443 3mm
- TC12-444 4mm
- TC12-445 5mm
- TC12-446 6mm

40° Up 20.5cm

- TC12-447 2mm
- TC12-448 3mm
- TC12-449 4mm
- TC12-450 5mm
- TC12-451 6mm

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



**Ferris Smith Micro Kerrison Laminectomy Rongeurs
UPWARD**



**Ferris Smith Micro Kerrison Laminectomy Rongeurs
DOWNWARD**

40° UP
9mm bite opening, 18cm
TC12-452 1mm
TC12-453 2mm
TC12-454 3mm
TC12-455 4mm
TC12-456 5mm
TC12-457 6mm

40° Down
9mm bite opening, 18cm
TC12-458 2mm
TC12-459 3mm
TC12-460 4mm
TC12-461 5mm
TC12-462 6mm

40° UP
9mm bite opening, 20.5cm
TC12-463 1mm
TC12-464 2mm
TC12-465 3mm
TC12-466 4mm
TC12-467 5mm
TC12-468 6mm

40° Down
9mm bite opening, 20.5cm
TC12-469 1mm
TC12-470 2mm
TC12-471 3mm
TC12-472 4mm
TC12-473 5mm
TC12-474 6mm

40° UP
9mm bite opening, 23cm
TC12-475 1mm
TC12-476 2mm
TC12-477 3mm
TC12-478 4mm
TC12-479 5mm
TC12-480 6mm

40° UP
9mm bite opening, 25.5cm
TC12-481 2mm
TC12-482 3mm
TC12-483 4mm
TC12-484 5mm
TC12-485 6mm

40° UP
9mm bite opening,
TC12-486 2mm
TC12-487 3mm
TC12-488 4mm
TC12-489 5mm
TC12-490 6mm

40° UP
9mm bite opening, 30.5cm
TC12-491 2mm
TC12-492 3mm
TC12-493 4mm
TC12-494 5mm
TC12-495 6mm

130° Down
9mm bite opening, 18cm
TC12-496 1mm
TC12-497 2mm
TC12-498 3mm
TC12-499 4mm
TC12-500 5mm
TC12-501 6mm

130° Down
9mm bite opening, 20.5cm
TC12-501 1mm
TC12-502 2mm
TC12-503 3mm
TC12-504 4mm
TC12-505 5mm
TC12-506 6mm

130° Down
9mm bite opening, 23cm
TC12-507 1mm
TC12-508 2mm
TC12-509 3mm
TC12-510 4mm
TC12-511 5mm
TC12-512 6mm

130° Down
9mm bite opening, 25.5cm
TC12-513 1mm
TC12-514 2mm
TC12-515 3mm
TC12-516 4mm
TC12-517 5mm
TC12-518 6mm

130° Down
9mm bite opening, 28cm
TC12-519 1mm
TC12-520 2mm
TC12-521 3mm
TC12-522 4mm
TC12-523 5mm
TC12-524 6mm

130° Down
9mm bite opening, 30.5cm
TC12-525 1mm
TC12-526 2mm
TC12-527 3mm
TC12-528 4mm
TC12-529 5mm
TC12-530 6mm

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglianti per laminectomia



**Spurling Kerrison
Laminectomy Rongeurs
Large Handle**

40° UP,
15mm Bite Opening, 18cm
TC12-531 2mm
TC12-532 3mm
TC12-533 4mm
TC12-534 5mm
TC12-535 6mm

40° UP,
15mm Bite Opening, 20.5cm
TC12-536 2mm
TC12-537 3mm
TC12-538 4mm
TC12-539 5mm
TC12-540 6mm

40° UP,
15mm Bite Opening, 23cm
TC12-541 2mm
TC12-542 3mm
TC12-543 4mm
TC12-544 5mm
TC12-545 6mm

40° UP,
15mm Bite Opening, 25.5cm
TC12-546 2mm
TC12-547 3mm
TC12-548 4mm
TC12-549 5mm
TC12-550 6mm

40° UP,
15mm Bite Opening, 28cm
TC12-551 2mm
TC12-552 3mm
TC12-553 4mm
TC12-554 5mm
TC12-555 6mm



**Spurling Kerrison
Laminectomy Rongeurs
Large Handle**

90° UP,
15mm Bite Opening, 18cm
TC12-556 2mm
TC12-557 3mm
TC12-558 4mm
TC12-559 5mm
TC12-560 6mm

90° UP,
15mm Bite Opening, 20.5cm
TC12-561 2mm
TC12-562 3mm
TC12-563 4mm
TC12-564 5mm
TC12-565 6mm



**Spurling Kerrison
Laminectomy Rongeurs
Large Handle**

90° Down,
15mm Bite Opening, 18cm
TC12-566 2mm
TC12-567 3mm
TC12-568 4mm
TC12-569 5mm
TC12-570 6mm

90° Down,
15mm Bite Opening, 20.5cm
TC12-571 2mm
TC12-572 3mm
TC12-573 4mm
TC12-574 5mm
TC12-575 6mm

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

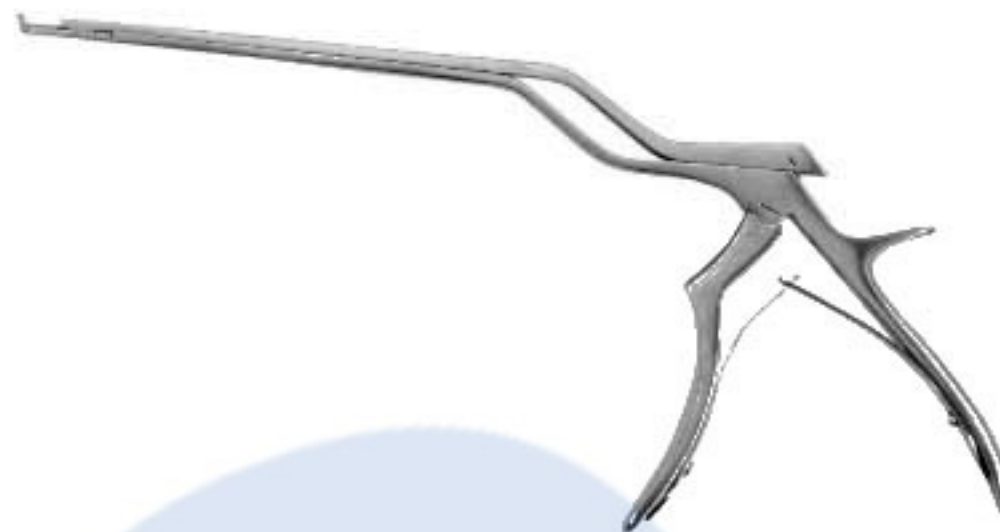
Pinze taglianti per laminectomia



Foramenotomy Kerrison

Laminectomy Rongeurs, Curved

- TC12-576 UP, 9mm Bite opening, 20.5cm 2mm
- TC12-577 UP, 9mm Bite opening, 20.5cm 3mm
- TC12-578 UP, 9mm Bite opening, 20.5cm 4mm
- TC12-579 UP, 9mm Bite opening, 20.5cm 5mm
- TC12-580 UP, 9mm Bite opening, 20.5cm 6mm
- TC12-581 Left, 9mm Bite opening, 20.5cm 6mm
- TC12-582 Right, 9mm Bite opening, 20.5cm 6mm



Bayonet Micro Kerrison

Laminectomy Rongeurs

40° Up, 150 mm Working Length 20.5cm

- TC12-583 1mm
- TC12-584 2mm
- TC12-585 3mm
- TC12-586 4mm
- TC12-587 5mm
- TC12-588 6mm

90° Up, 150 mm Working Length 20.5cm

- TC12-589 1mm
- TC12-590 2mm
- TC12-591 3mm
- TC12-592 4mm
- TC12-593 5mm
- TC12-594 6mm

Bayonet Spurling Kerrison

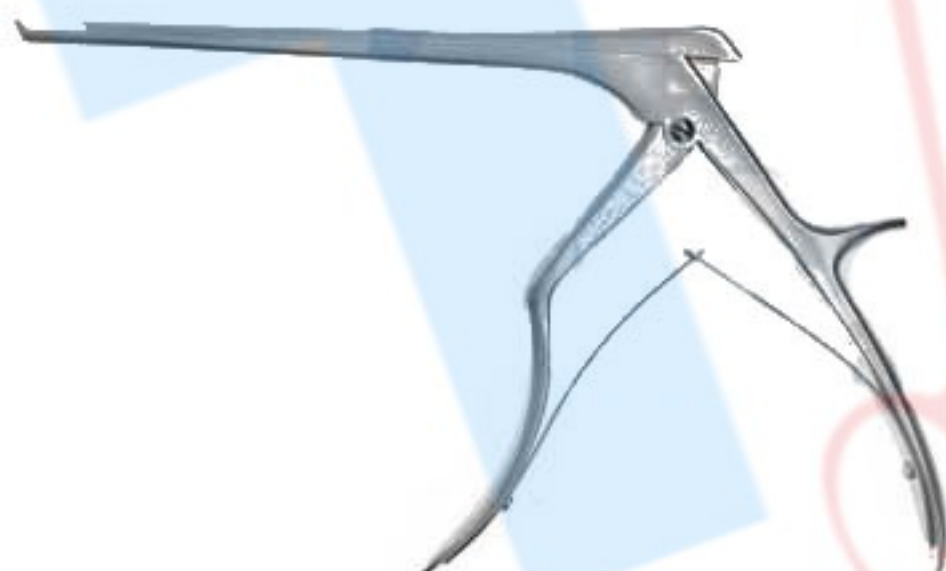
Laminectomy Rongeurs

40° Up, 150 mm Working Length 20.5cm

- TC12-595 1mm
- TC12-596 2mm
- TC12-597 3mm
- TC12-598 4mm
- TC12-599 5mm
- TC12-600 6mm

90° Up, 150 mm Working Length 20.5cm

- TC12-601 1mm
- TC12-602 2mm
- TC12-603 3mm
- TC12-604 4mm
- TC12-605 5mm
- TC12-606 6mm



Spurling Laminectomy Rongeurs

40° UP, 15mm Bite Opening, 18cm

- TC12-607 2mm
- TC12-608 3mm
- TC12-609 4mm
- TC12-610 5mm
- TC12-611 6mm

40° UP, 15mm Bite Opening, 23cm

- TC12-617 2mm
- TC12-618 3mm
- TC12-619 4mm
- TC12-620 5mm
- TC12-621 6mm

40° UP, 15mm Bite Opening, 20.5cm

- TC12-612 2mm
- TC12-613 3mm
- TC12-614 4mm
- TC12-615 5mm
- TC12-616 6mm

40° UP, 15mm Bite Opening, 25.5cm

- TC12-622 2mm
- TC12-623 3mm
- TC12-624 4mm
- TC12-625 5mm
- TC12-626 6mm

40° UP, 15mm Bite Opening, 28cm

- TC12-627 2mm
- TC12-628 3mm
- TC12-629 4mm
- TC12-630 5mm
- TC12-631 6mm

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



Spurling Laminectomy Rongeurs

90° UP, 15mm Bite Opening, 18cm

TC12-632 2mm
TC12-633 3mm
TC12-634 4mm
TC12-635 5mm
TC12-636 6mm

90° UP, 15mm Bite Opening, 20.5cm

TC12-637 2mm
TC12-638 3mm
TC12-639 4mm
TC12-640 5mm
TC12-641 6mm



Spurling Laminectomy Rongeurs

90° Down, 15mm Bite Opening, 18cm

TC12-642 2mm
TC12-643 3mm
TC12-644 4mm
TC12-645 5mm
TC12-646 6mm

90° Down, 15mm Bite Opening, 20.5cm

TC12-647 2mm
TC12-648 3mm
TC12-649 4mm
TC12-650 5mm
TC12-651 6mm



Micro Ejector Kerrison Laminectomy Rongeurs

40° Up 20.5cm

TC12-652 2mm
TC12-653 3mm
TC12-654 4mm
TC12-655 5mm
TC12-656 6mm



Wide Mouth Ejector Kerrison Laminectomy Rongeurs

40° Up 18cm

TC12-657 2mm
TC12-658 3mm
TC12-659 4mm
TC12-660 5mm
TC12-661 6mm

40° Up 20.5cm

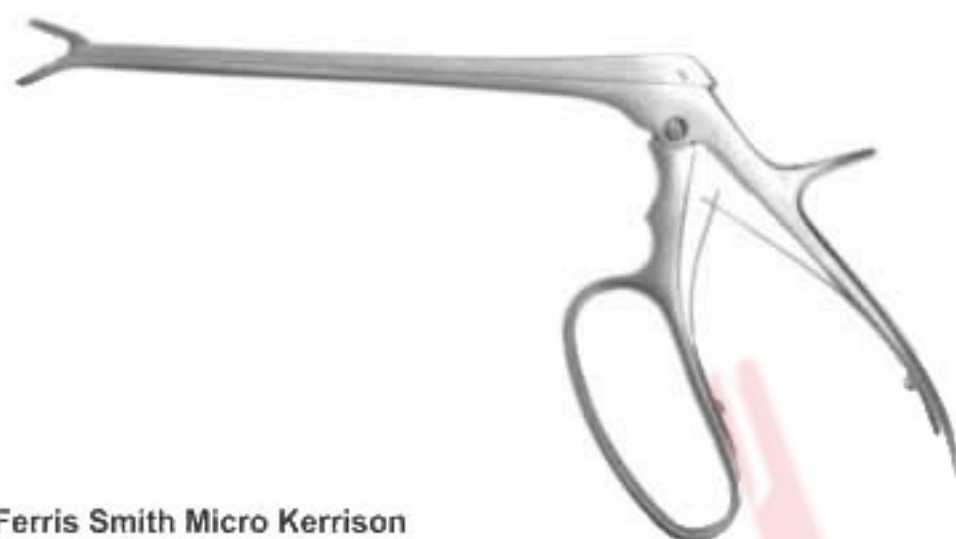
TC12-662 2mm
TC12-663 3mm
TC12-664 4mm
TC12-665 5mm
TC12-666 6mm

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



**Ferris Smith Micro Kerrison
Laminectomy Rongeurs**

130° Down Bite, 28cm

TC12-667 4mm

TC12-668 5mm

TC12-669 6mm

130° Down Bite, 30.5cm

TC12-670 1mm

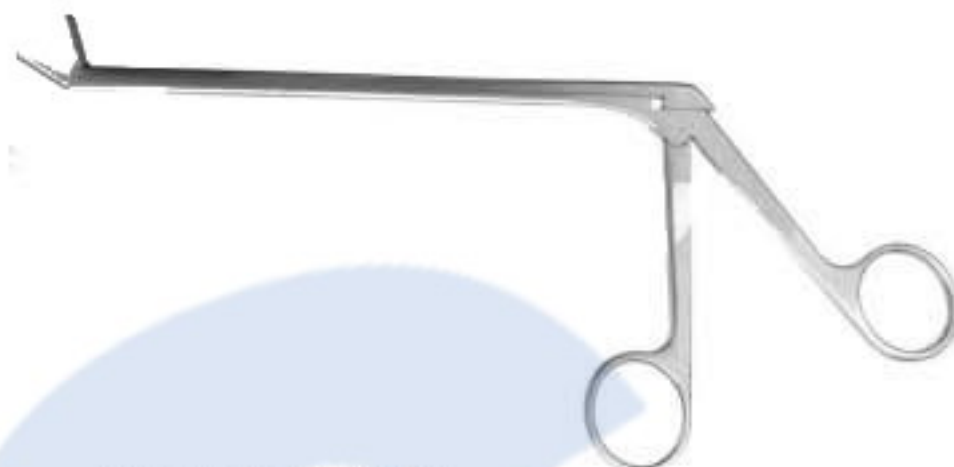
TC12-671 2mm

TC12-672 3mm

TC12-673 4mm

TC12-674 5mm

TC12-675 6mm



**Spurling Intervertebral
Disc Rongeurs**

w/teeth 4 x 10mm, 18cm

TC12-676 Straight

TC12-677 Up

TC12-678 Down

4 x 10mm, 25.5cm

TC12-679 Straight

5 x 10mm, 25.5cm

TC12-680 Straight



**Kerrison Cervical Rongeur
TC12-681**

17.8 cm shaft, 3 mm

40 degree forward angle



**Schlesinger Cervical Rongeur
TC12-682**

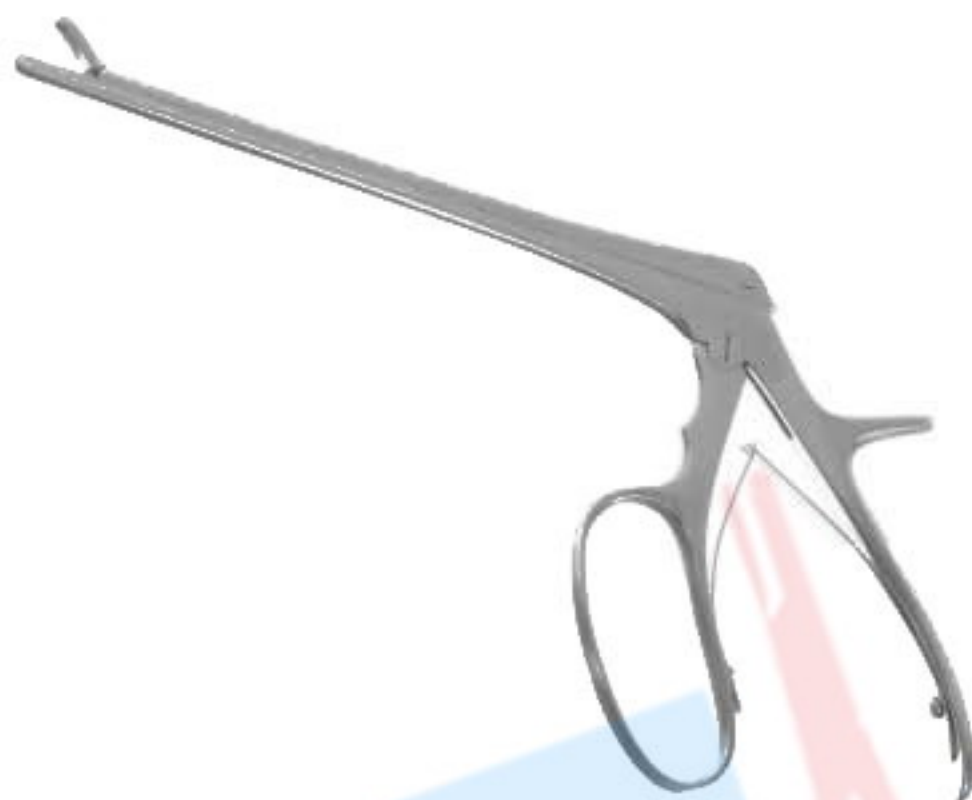
thin tips, 15 cm shaft, up-bite, 3 mm

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

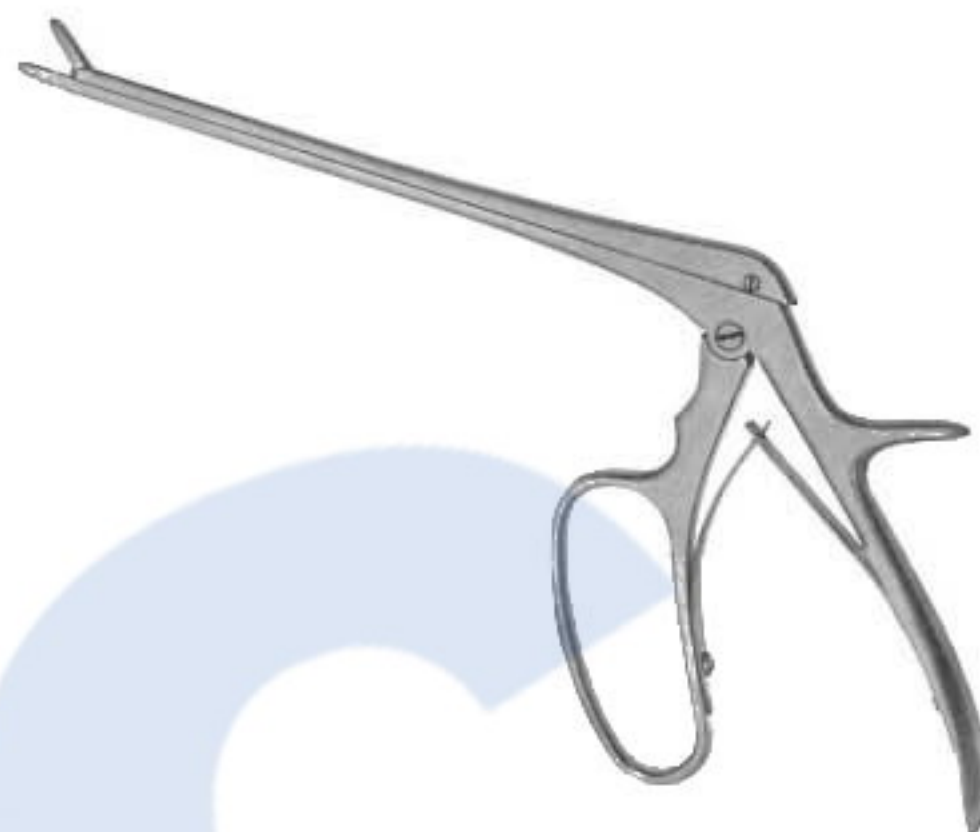
Pinze taglienti per laminectomia



Ferris-Smith Intervertebral Disc Rongeurs

18cm straight

- TC12-683 2 x 10mm
- TC12-684 3 x 10mm
- TC12-685 4 x 8mm
- TC12-686 4 x 10mm
- TC12-687 6 x 10mm
- TC12-688 6 x 12mm



Ferris-Smith Intervertebral Disc Rongeurs

18cm Up

- TC12-689 2 x 10mm
- TC12-690 3 x 10mm
- TC12-691 4 x 10mm
- TC12-692 6 x 10mm

18cm Down

- TC12-693 2 x 10mm
- TC12-694 3 x 10mm
- TC12-695 4 x 10mm
- TC12-696 6 x 10mm



Peapod Intervertebral Disc Rongeurs, 14cm

- TC12-697 Angle up 1.5mm, x-small
- TC12-698 Angle up 2mm, small
- TC12-699 Angle up 2.5mm, medium
- TC12-700 Angle up 3mm, large



Peapod Intervertebral Disc Rongeurs,

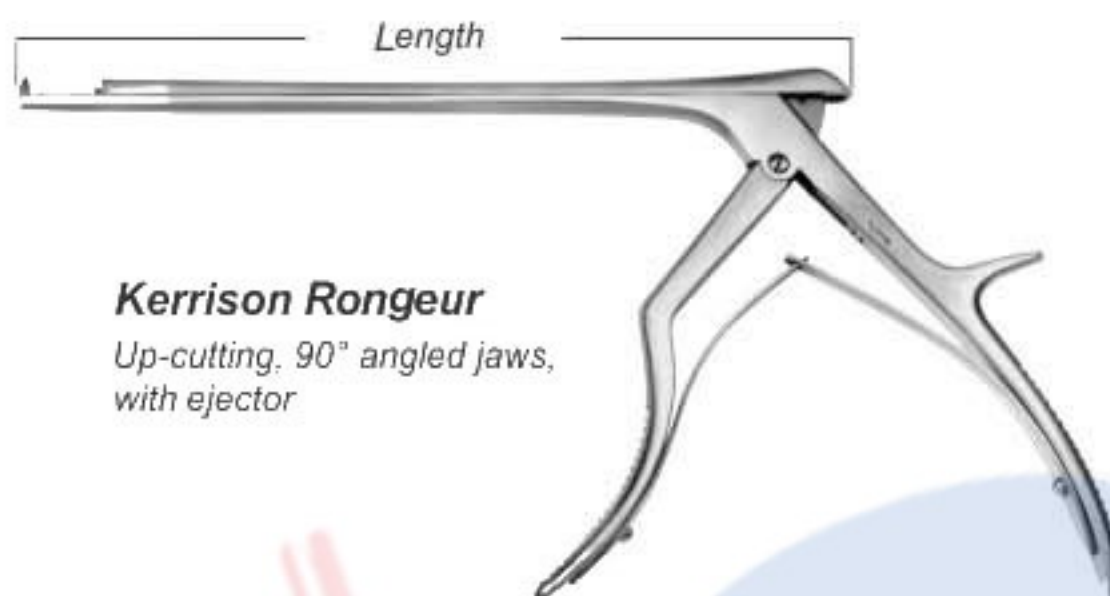
- TC12-701 Angle up 2.5mm, 18cm
- TC12-702 Angle up 3mm, 18cm
- TC12-703 Angle up 4mm, 18cm
- TC12-704 Straight 2mm, 14cm
- TC12-705 Straight 2.5mm, 14cm
- TC12-706 Straight 3mm, 14cm

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



Ferris-Smith Kerrison handle	Kerrison Small handle	Kerrison Large handle	Jaw size (width x height) Length*	
		BM12-731	2,0 x 2,0 mm	18 cm
TC12-707	TC12-719	TC12-732	2,5 x 2,5 mm	18 cm
TC12-708	TC12-720	TC12-733	2,0 x 3,0 mm	18 cm
TC12-709	TC12-721	TC12-734	3,0 x 4,0 mm	18 cm
TC12-710	TC12-722	TC12-735	4,0 x 5,0 mm	18 cm
TC12-711	TC12-723	TC12-736	5,0 x 5,0 mm	18 cm
TC12-712	TC12-724	TC12-737	6,0 x 5,0 mm	18 cm
		TC12-738	7,0 x 6,0 mm	18 cm
		TC12-739	2,0 x 2,0 mm	20 cm
TC12-713	TC12-725	TC12-740	2,5 x 2,5 mm	20 cm
TC12-714	TC12-726		2,0 x 3,0 mm	20 cm
TC12-715	TC12-727	TC12-741	3,0 x 4,0 mm	20 cm
TC12-716	TC12-728	TC12-742	4,0 x 5,0 mm	20 cm
TC12-717	TC12-729	TC12-743	5,0 x 5,0 mm	20 cm
TC12-718	TC12-730	TC12-744	6,0 x 5,0 mm	20 cm
		TC12-745	7,0 x 6,0 mm	20 cm
Maulgrößen / Jaw sizes: 			TC12-746	2,0 x 2,0 mm 22 cm
			TC12-747	2,5 x 2,5 mm 22 cm
			TC12-748	2,0 x 3,0 mm 22 cm
			TC12-749	3,0 x 4,0 mm 22 cm
			TC12-750	4,0 x 5,0 mm 22 cm
			TC12-751	5,0 x 5,0 mm 22 cm
			TC12-752	6,0 x 5,0 mm 22 cm
			TC12-753	7,0 x 6,0 mm 22 cm
			TC12-754	2,0 x 2,0 mm 25 cm
			TC12-755	2,0 x 3,0 mm 25 cm
			TC12-756	3,0 x 4,0 mm 25 cm
			TC12-757	4,0 x 5,0 mm 25 cm
			TC12-758	5,0 x 5,0 mm 25 cm
			TC12-759	2,0 x 2,0 mm 30 cm
			TC12-760	3,0 x 4,0 mm 30 cm
			TC12-761	4,0 x 5,0 mm 30 cm
			TC12-762	5,0 x 5,0 mm 30 cm

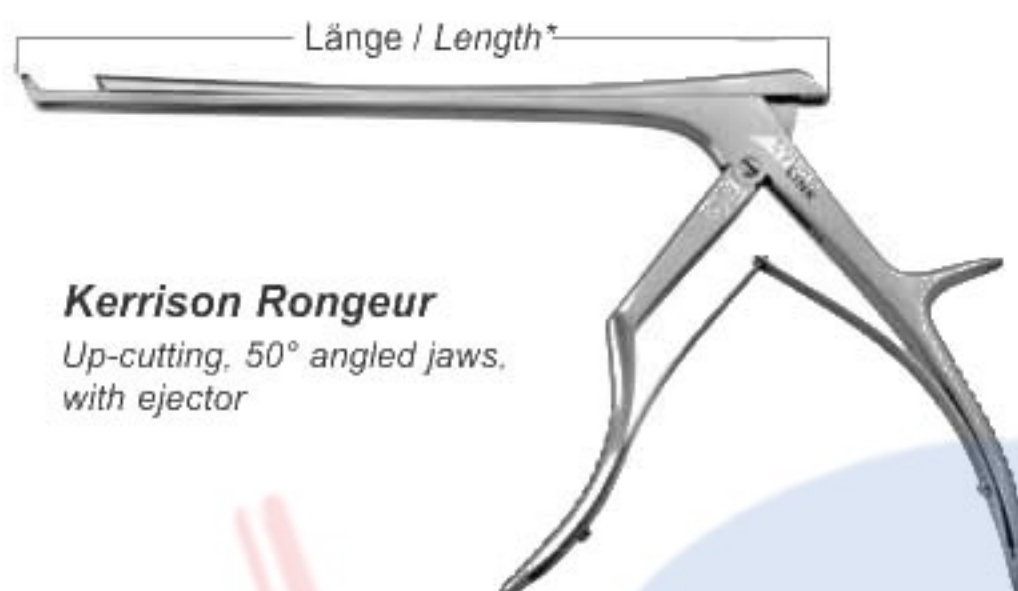
* Lengths are measured with closed jaws

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglianti per laminectomia



Kerrison Rongeur

Up-cutting, 50° angled jaws,
with ejector

Ferris-Smith Kerrison handle	Kerrison Small handle	Kerrison Large handle	Jaw size (width x height) Length*	
				
		TC12-787	2,0 x 2,0 mm	18 cm
TC12-763	TC12-775	TC12-788	2,5 x 2,5 mm	18 cm
TC12-764	TC12-776		2,0 x 3,0 mm	18 cm
TC12-765	TC12-777	TC12-789	3,0 x 4,0 mm	18 cm
TC12-766	TC12-778	TC12-790	4,0 x 5,0 mm	18 cm
TC12-767	TC12-779	TC12-791	5,0 x 5,0 mm	18 cm
TC12-768	TC12-780	TC12-792	6,0 x 5,0 mm	18 cm
		TC12-793	7,0 x 6,0 mm	18 cm
		TC12-794	2,0 x 2,0 mm	20 cm
TC12-769	TC12-781	TC12-795	2,5 x 2,5 mm	20 cm
TC12-770	TC12-782	TC12-796	2,0 x 3,0 mm	20 cm
TC12-771	TC12-783	TC12-797	3,0 x 4,0 mm	20 cm
TC12-772	TC12-784	TC12-798	4,0 x 5,0 mm	20 cm
TC12-773	TC12-785	TC12-799	5,0 x 5,0 mm	20 cm
TC12-774	TC12-786	TC12-800	6,0 x 5,0 mm	20 cm
		TC12-801	7,0 x 6,0 mm	20 cm
		TC12-802	2,0 x 2,0 mm	22 cm
		TC12-803	2,5 x 2,5 mm	22 cm
		TC12-804	3,0 x 4,0 mm	22 cm
		TC12-805	4,0 x 5,0 mm	22 cm
		TC12-806	5,0 x 5,0 mm	22 cm
		TC12-807	6,0 x 5,0 mm	22 cm
		TC12-808	7,0 x 6,0 mm	22 cm
		TC12-809	2,0 x 2,0 mm	25 cm
		TC12-810	3,0 x 4,0 mm	25 cm
		TC12-811	4,0 x 5,0 mm	25 cm
		TC12-812	5,0 x 5,0 mm	25 cm
		TC12-813	2,0 x 2,0 mm	30 cm
		TC12-814	3,0 x 4,0 mm	30 cm
		TC12-815	4,0 x 5,0 mm	30 cm
		TC12-816	5,0 x 5,0 mm	30 cm

Maulgrößen / Jaw sizes:

-  2,0 x 2,0 mm
-  2,5 x 2,5 mm
-  2,0 x 3,0 mm
-  3,0 x 4,0 mm
-  4,0 x 5,0 mm
-  5,0 x 5,0 mm
-  6,0 x 5,0 mm
-  7,0 x 6,0 mm

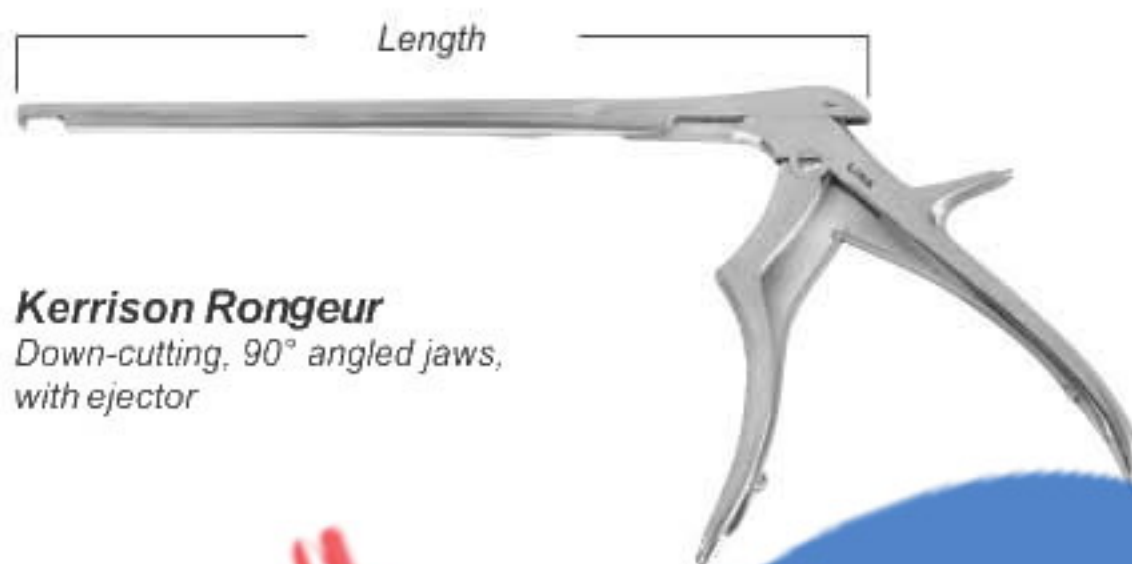
* Lengths are measured with closed jaws

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



Ferris-Smith Kerrison handle	Kerrison Small handle	Kerrison Large handle	Jaw size (width x height)	Length*
TC12-817	TC12-829	TC12-841	2,0 x 2,0 mm	18 cm
TC12-818	TC12-830	TC12-842	2,5 x 2,5 mm	18 cm
TC12-819	TC12-831	TC12-843	2,0 x 3,0 mm	18 cm
TC12-820	TC12-832	TC12-844	3,0 x 4,0 mm	18 cm
TC12-821	TC12-833	TC12-845	4,0 x 5,0 mm	18 cm
TC12-822	TC12-834	TC12-846	5,0 x 5,0 mm	18 cm
		TC12-847	6,0 x 5,0 mm	18 cm
		TC12-848	7,0 x 6,0 mm	18 cm
TC12-823	TC12-835	TC12-849	2,0 x 2,0 mm	20 cm
TC12-824	TC12-836	TC12-850	2,5 x 2,5 mm	20 cm
TC12-825	TC12-837	TC12-851	2,0 x 3,0 mm	20 cm
TC12-826	TC12-838	TC12-852	3,0 x 4,0 mm	20 cm
TC12-827	TC12-839	TC12-853	4,0 x 5,0 mm	20 cm
TC12-828	TC12-840	TC12-854	5,0 x 5,0 mm	20 cm
		TC12-855	6,0 x 5,0 mm	20 cm
		TC12-856	7,0 x 6,0 mm	20 cm
		TC12-857	2,0 x 2,0 mm	22 cm
		TC12-858	2,5 x 2,5 mm	22 cm
		TC12-859	2,0 x 3,0 mm	22 cm
		TC12-860	3,0 x 4,0 mm	22 cm
		TC12-861	4,0 x 5,0 mm	22 cm
		TC12-862	5,0 x 5,0 mm	22 cm
		TC12-863	6,0 x 5,0 mm	22 cm
		TC12-864	7,0 x 6,0 mm	22 cm
		TC12-865	2,0 x 2,0 mm	25 cm
		TC12-866	2,0 x 3,0 mm	25 cm
		TC12-867	3,0 x 4,0 mm	25 cm
		TC12-868	4,0 x 5,0 mm	25 cm
		TC12-869	5,0 x 5,0 mm	25 cm
		TC12-870	2,0 x 2,0 mm	30 cm
		TC12-871	2,0 x 3,0 mm	30 cm
		TC12-872	3,0 x 4,0 mm	30 cm
		TC12-873	4,0 x 5,0 mm	30 cm
			5,0 x 5,0 mm	30 cm

Maulgrößen/ Jaw sizes:

- 2,0 x 2,0 mm
- 2,5 x 2,5 mm
- 2,0 x 3,0 mm
- 3,0 x 4,0 mm
- 4,0 x 5,0 mm
- 5,0 x 5,0 mm
- 6,0 x 5,0 mm
- 7,0 x 6,0 mm

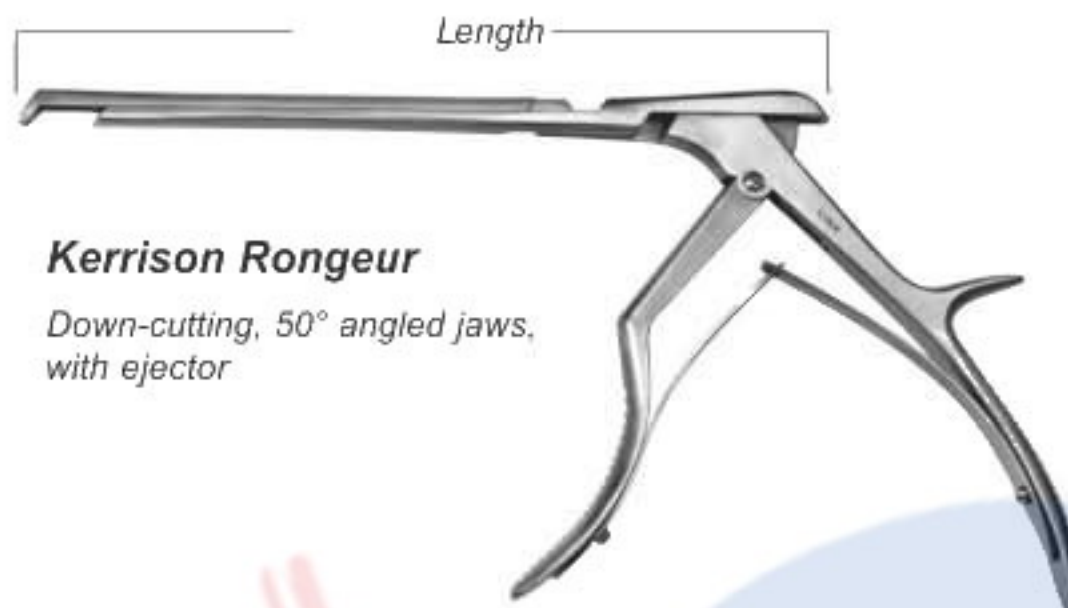
* Lengths are measured with closed jaws

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



Kerrison Rongeur

Down-cutting, 50° angled jaws, with ejector

Ferris-Smith Kerrison handle	Kerrison Small handle	Kerrison Large handle	Jaw size (width x height)	Length*
				
		TC12-898	2,0 x 2,0 mm	18 cm
TC12-874	TC12-886	TC12-899	2,5 x 2,5 mm	18 cm
TC12-875	TC12-887	TC12-900	2,0 x 3,0 mm	18 cm
TC12-876	TC12-888	TC12-901	3,0 x 4,0 mm	18 cm
TC12-877	TC12-889	TC12-902	4,0 x 5,0 mm	18 cm
TC12-878	TC12-890	TC12-903	5,0 x 5,0 mm	18 cm
TC12-879	TC12-891	TC12-904	6,0 x 5,0 mm	18 cm
		TC12-905	7,0 x 6,0 mm	18 cm
		TC12-906	2,0 x 2,0 mm	20 cm
TC12-880	TC12-892	TC12-907	2,5 x 2,5 mm	20 cm
TC12-881	TC12-893		2,0 x 3,0 mm	20 cm
TC12-882	TC12-894	TC12-908	3,0 x 4,0 mm	20 cm
TC12-883	TC12-895	TC12-909	4,0 x 5,0 mm	20 cm
TC12-884	TC12-896	TC12-910	5,0 x 5,0 mm	20 cm
TC12-885	TC12-897	TC12-911	6,0 x 5,0 mm	20 cm
		TC12-912	7,0 x 6,0 mm	20 cm
		TC12-913	2,0 x 2,0 mm	22 cm
		TC12-914	2,5 x 2,5 mm	22 cm
		TC12-915	2,0 x 3,0 mm	22 cm
		TC12-916	3,0 x 4,0 mm	22 cm
		TC12-917	4,0 x 5,0 mm	22 cm
		TC12-918	5,0 x 5,0 mm	22 cm
		TC12-919	6,0 x 5,0 mm	22 cm
		TC12-920	7,0 x 6,0 mm	22 cm
		TC12-921	2,0 x 2,0 mm	25 cm
		TC12-922	2,0 x 3,0 mm	25 cm
		TC12-923	3,0 x 4,0 mm	25 cm
		TC12-924	4,0 x 5,0 mm	25 cm
		TC12-925	5,0 x 5,0 mm	25 cm
		TC12-926	2,0 x 2,0 mm	30 cm
		TC12-927	2,0 x 3,0 mm	30 cm
		TC12-928	3,0 x 4,0 mm	30 cm
		TC12-929	4,0 x 5,0 mm	30 cm
		TC12-930	5,0 x 5,0 mm	30 cm

Maulgrößen Jaw sizes:

-  2,0 x 2,0 mm
-  2,5 x 2,5 mm
-  2,0 x 3,0 mm
-  3,0 x 4,0 mm
-  4,0 x 5,0 mm
-  5,0 x 5,0 mm
-  6,0 x 5,0 mm
-  7,0 x 6,0 mm

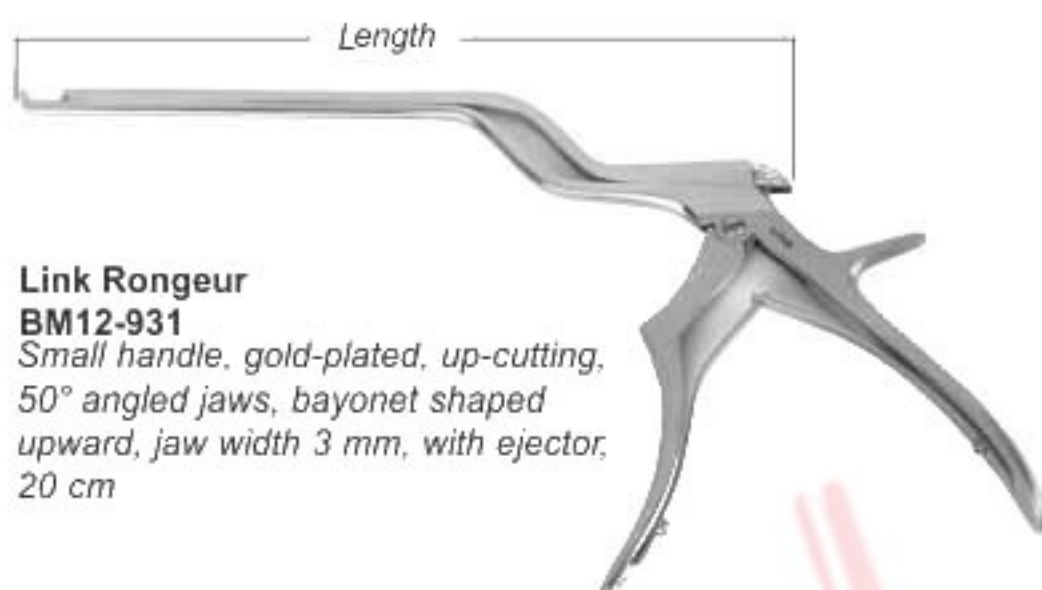
* Lengths are measured with closed jaws

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

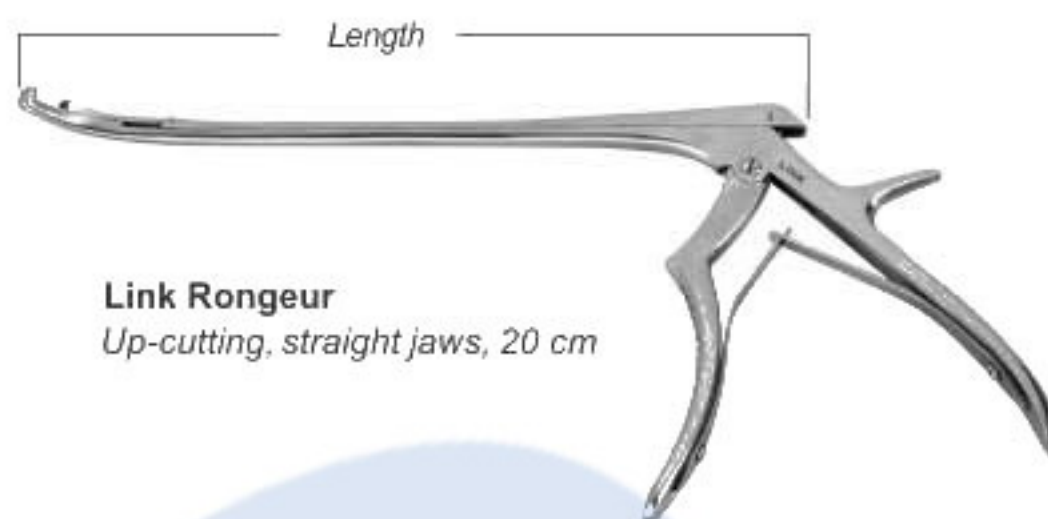
Pinze taglianti per laminectomia



Link Rongeur

BM12-931

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)

TC12-932

TC12-935

3,0 x 4,0 mm

TC12-933

TC12-936

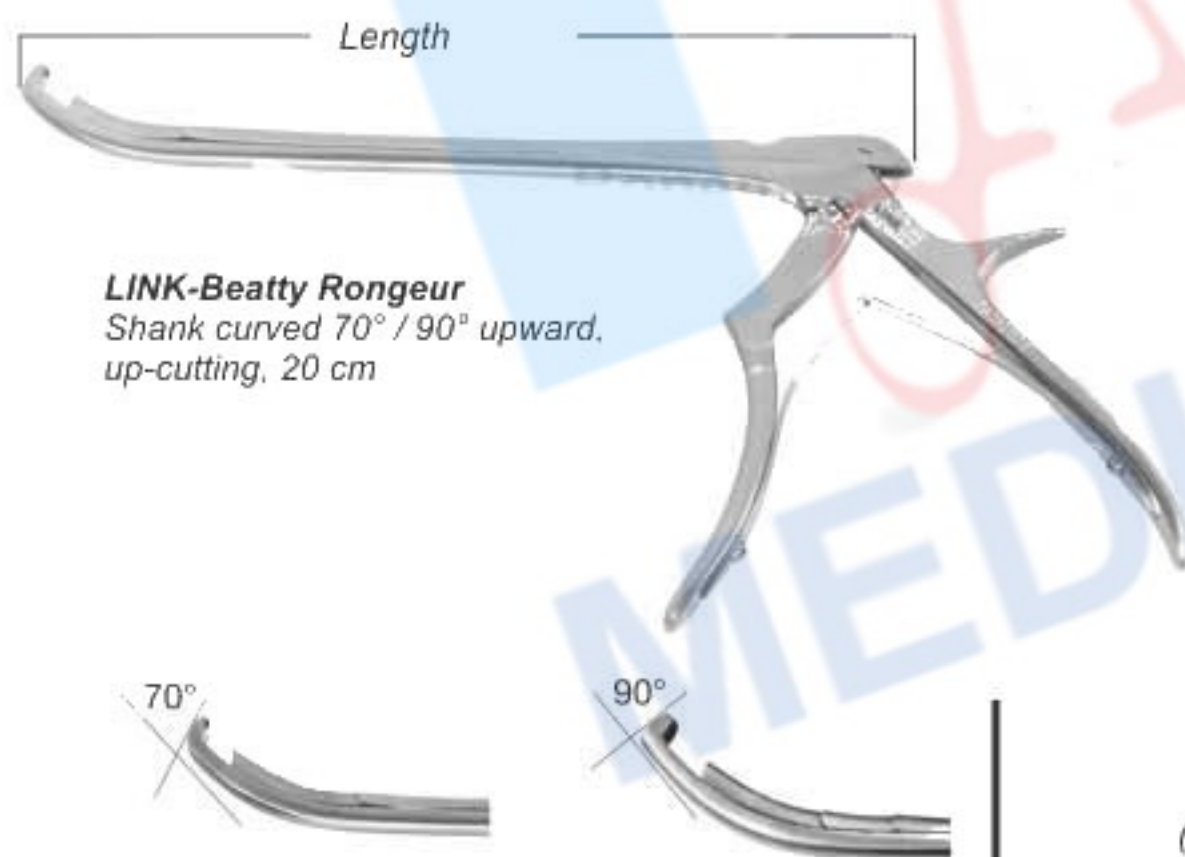
4,0 x 4,0 mm

TC12-934

TC12-937

5,0 x 4,0 mm

Lengths are measured with closed jaws



LINK-Beatty Rongeur

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

70°

90°

Jaw size
(width x height)

TC12-938

TC12-942



2,0 x 3,0 mm

TC12-939

TC12-943



3,0 x 4,0 mm

TC12-940

TC12-944



4,0 x 4,0 mm

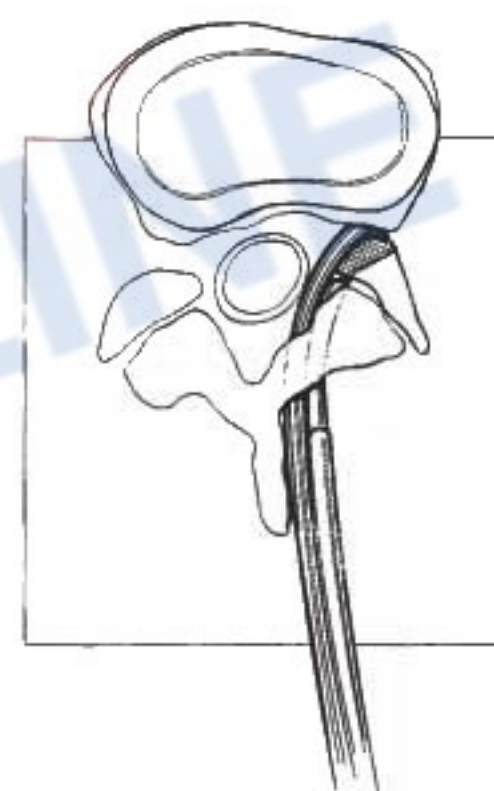
TC12-941

TC12-945



5,0 x 4,0 mm

Lengths are measured with closed jaws



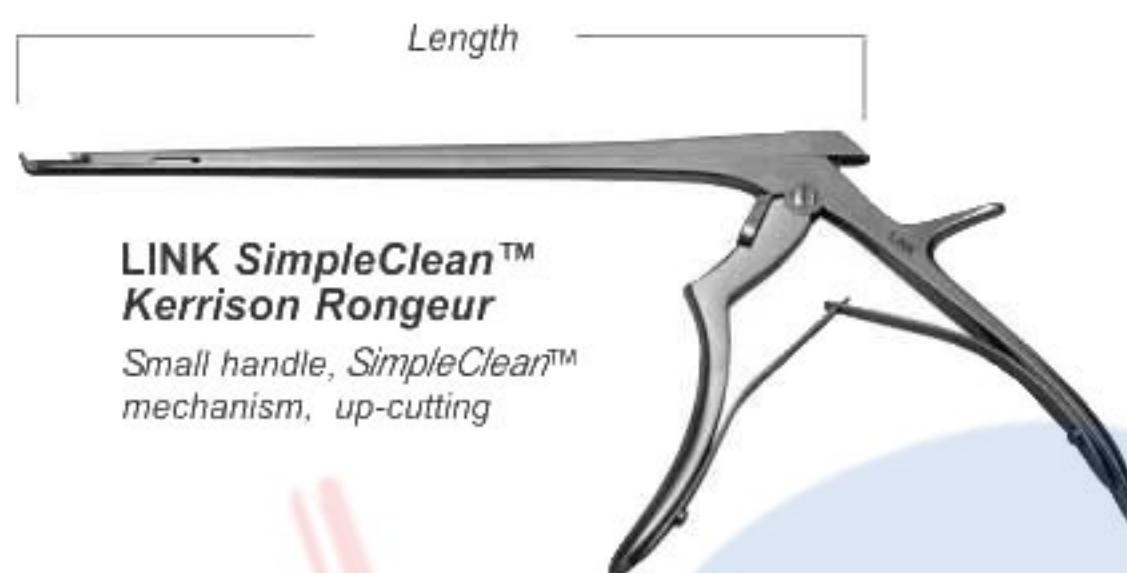
The angled LINK-Beatty Rongeur allows to perform foraminotomies while preserving dorsal processes and facet joints.

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



LINK SimpleClean™ Kerrison Rongeur

Small handle, SimpleClean™
mechanism, up-cutting

50° angled jaws thin footplate



Jaw width Length*

TC12-946	2 mm	18 cm
TC12-947	3 mm	18 cm
TC12-948	4 mm	18 cm
TC12-949	5 mm	18 cm
TC12-950	2 mm	20 cm
TC12-951	3 mm	20 cm
TC12-952	4 mm	20 cm
TC12-953	5 mm	20 cm
TC12-954	2 mm	23 cm
TC12-955	3 mm	23 cm
TC12-956	4 mm	23 cm
TC12-957	5 mm	23 cm

50° angled jaws



Jaw width Length*

TC12-958	2 mm	18 cm
TC12-959	3 mm	18 cm
TC12-960	4 mm	18 cm
TC12-961	5 mm	18 cm
TC12-962	6 mm	18 cm
TC12-963	2 mm	20 cm
TC12-964	3 mm	20 cm
TC12-968	4 mm	20 cm
TC12-969	5 mm	20 cm
TC12-970	6 mm	20 cm
TC12-971	2 mm	23 cm
TC12-972	3 mm	23 cm
TC12-973	4 mm	23 cm
TC12-974	5 mm	23 cm
TC12-975	6 mm	23 cm

Lengths are measured with closed jaws



The SimpleClean™ mechanism makes cleaning of the Rongeurs an easy matter

To open the SimpleClean™ 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.

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

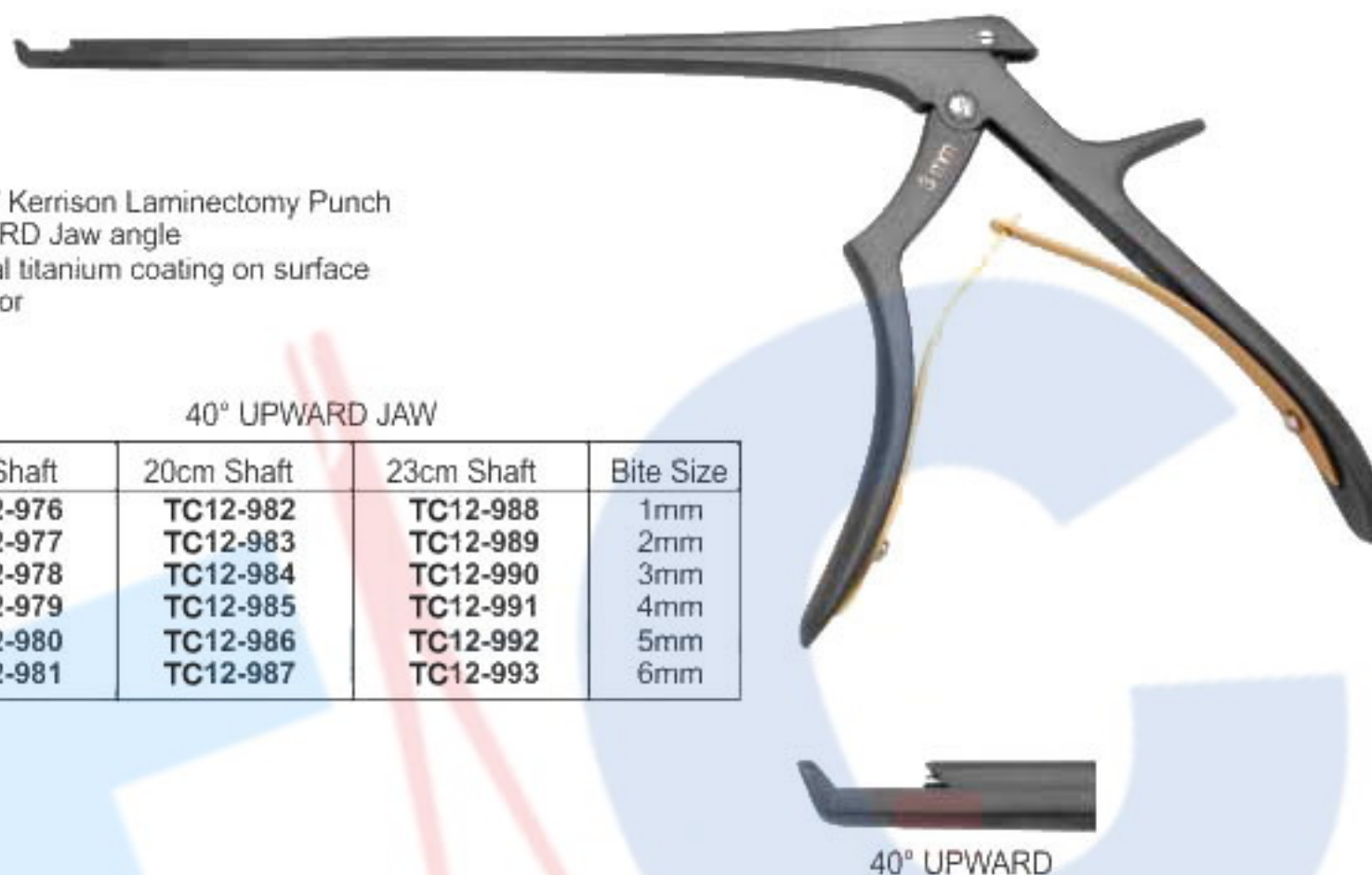
Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia

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
TC12-976	TC12-982	TC12-988	1mm
TC12-977	TC12-983	TC12-989	2mm
TC12-978	TC12-984	TC12-990	3mm
TC12-979	TC12-985	TC12-991	4mm
TC12-980	TC12-986	TC12-992	5mm
TC12-981	TC12-987	TC12-993	6mm

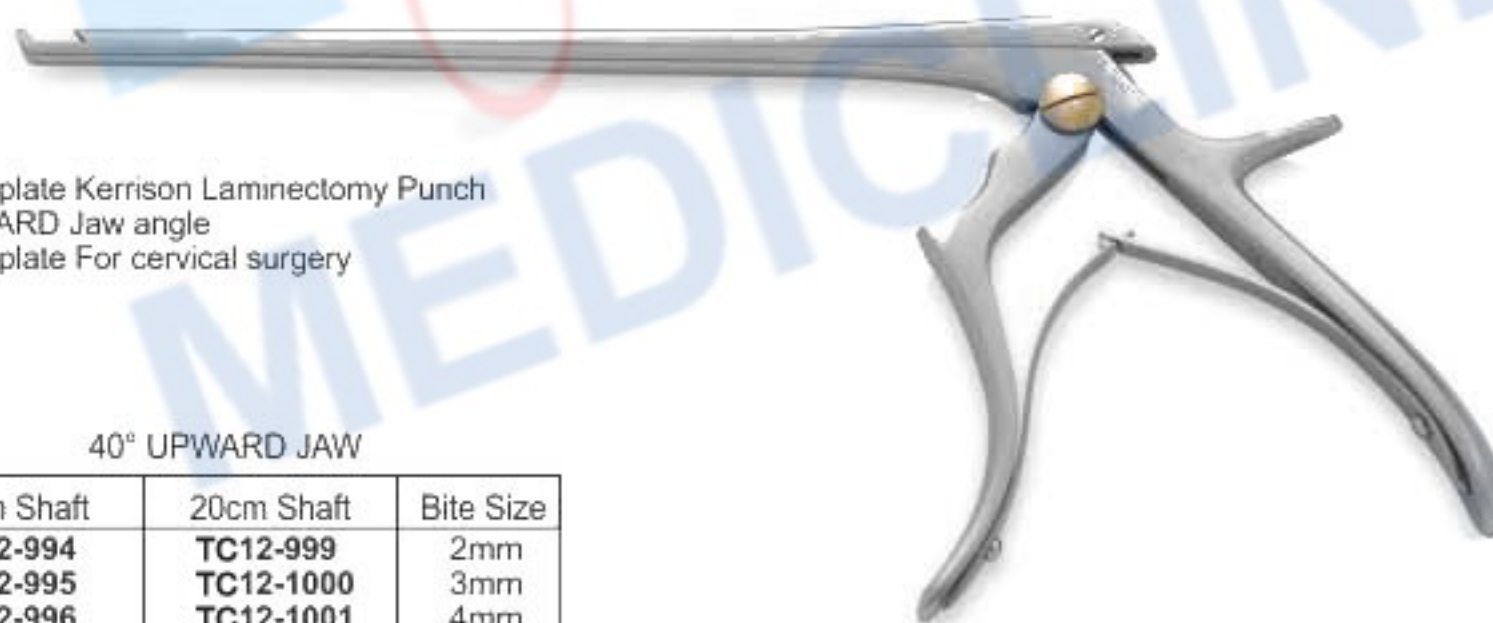


40° UPWARD

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

40° UPWARD JAW

18cm Shaft	20cm Shaft	Bite Size
TC12-994	TC12-999	2mm
TC12-995	TC12-1000	3mm
TC12-996	TC12-1001	4mm
TC12-997	TC12-1002	5mm
TC12-998	TC12-1003	6mm



Reduced footplate

A reduced footplate thickness useful for a restricted operating area



40° UPWARD

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia

40° UPWARD



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

40° UPWARD JAW

18cm Shaft	20cm Shaft	Bite Size
TC12-1004	TC12-1009	2mm
TC12-1005	TC12-1010	3mm
TC12-1006	TC12-1011	4mm
TC12-1007	TC12-1012	5mm
TC12-1008	TC12-1013	6mm

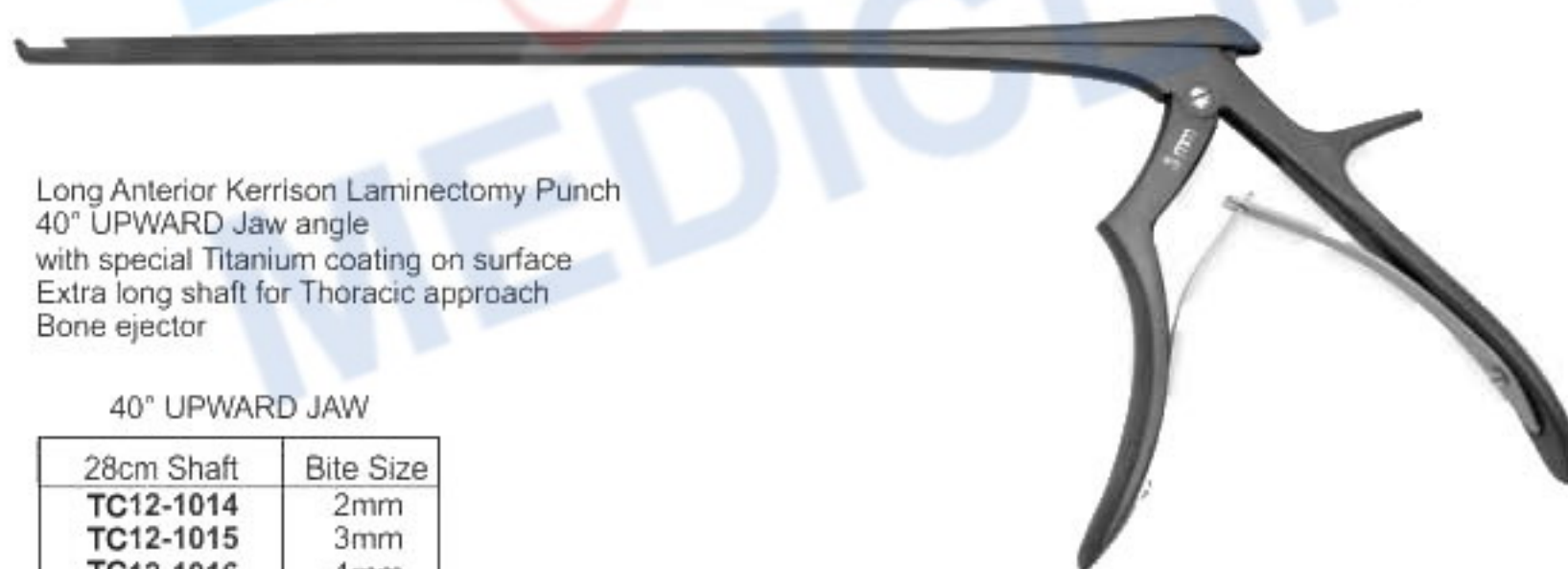
40° UPWARD



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
TC12-1014	2mm
TC12-1015	3mm
TC12-1016	4mm
TC12-1017	5mm
TC12-1018	6mm



Jointed Arms



Retractor Frame
Jointed arms
Maximum
spread 70mm
TC12-1019

Retractor Frame
Rigid arms
TC12-1020

(Frame available with extra long rack 140mm spread)



Wide Muscle
Blade - 6 teeth
27mm width

TC12-1021	3cm Depth
TC12-1022	4cm Depth
TC12-1023	5cm Depth
TC12-1024	6cm Depth
TC12-1025	7cm Depth
TC12-1026	8cm Depth
TC12-1027	9cm Depth
TC12-1028	10cm Depth
TC12-1029	12cm Depth

Extra Deep



Hook Blades

TC12-1030	2cm Depth
TC12-1031	3cm Depth
TC12-1032	4cm Depth
TC12-1033	5cm Depth
TC12-1034	6cm Depth
TC12-1035	7cm Depth
TC12-1036	8cm Depth
TC12-1037	9cm Depth
TC12-1038	10cm Depth

Extra Deep



Narrow Muscle
Blade - 4 teeth
20mm width

TC12-1039	3cm Depth
TC12-1040	4cm Depth
TC12-1041	5cm Depth
TC12-1042	6cm Depth
TC12-1043	7cm Depth
TC12-1044	8cm Depth
TC12-1045	9cm Depth
TC12-1046	10cm Depth
TC12-1047	12cm Depth

Extra Deep



Toothed Blades

TC12-1048	2cm Depth
TC12-1049	3cm Depth
TC12-1050	4cm Depth
TC12-1051	5cm Depth
TC12-1052	6cm Depth
TC12-1053	7cm Depth
TC12-1054	8cm Depth
TC12-1055	9cm Depth
TC12-1056	10cm Depth

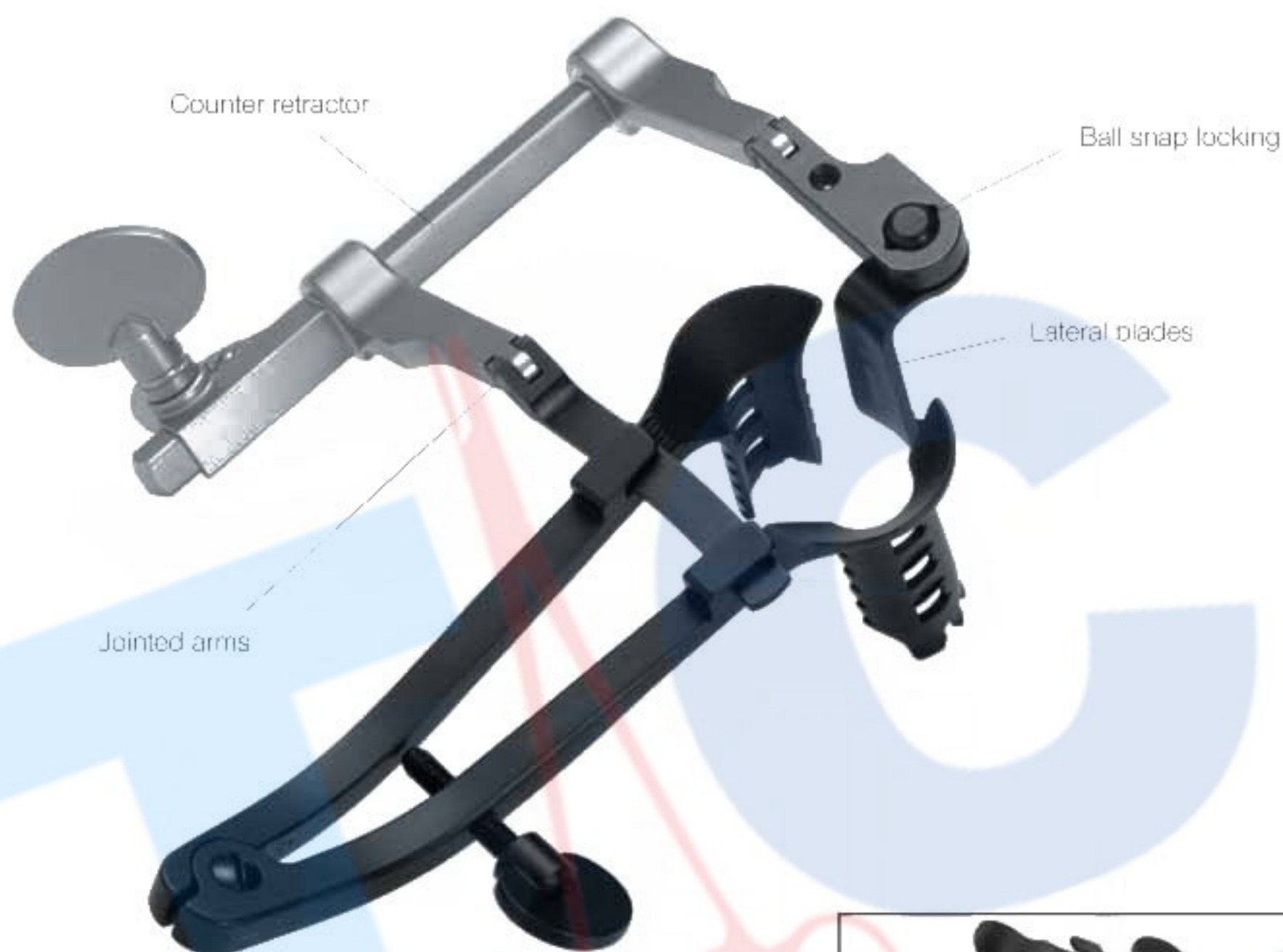
Extra Deep



Thin Muscle
Blade - 2 teeth

17mm width

TC12-1057	3cm Depth
TC12-1058	4cm Depth
TC12-1059	5cm Depth
TC12-1060	6cm Depth
TC12-1061	7cm Depth
TC12-1062	8cm Depth



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
TC12-1063

Consisting of:

Lateral Blades	Depth	Spatula	Depth
TC12-1064	40mm	TC12-1071	40mm
TC12-1065	45mm	TC12-1072	45mm
TC12-1066	50mm	TC12-1073	50mm
TC12-1067	55mm	TC12-1074	55mm
TC12-1068	60mm	TC12-1075	60mm
TC12-1069	65mm	TC12-1076	65mm
TC12-1070	70mm	TC12-1077	70mm



TC12-1078 Counter Retractor Frame
TC12-1079 Blade Ejector Forceps

Lateral Blades



Blade Ejector Forceps
TC12-1080



Specula Range



Caspar Micro Discectomy
Retractor Frame
TC12-1081





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