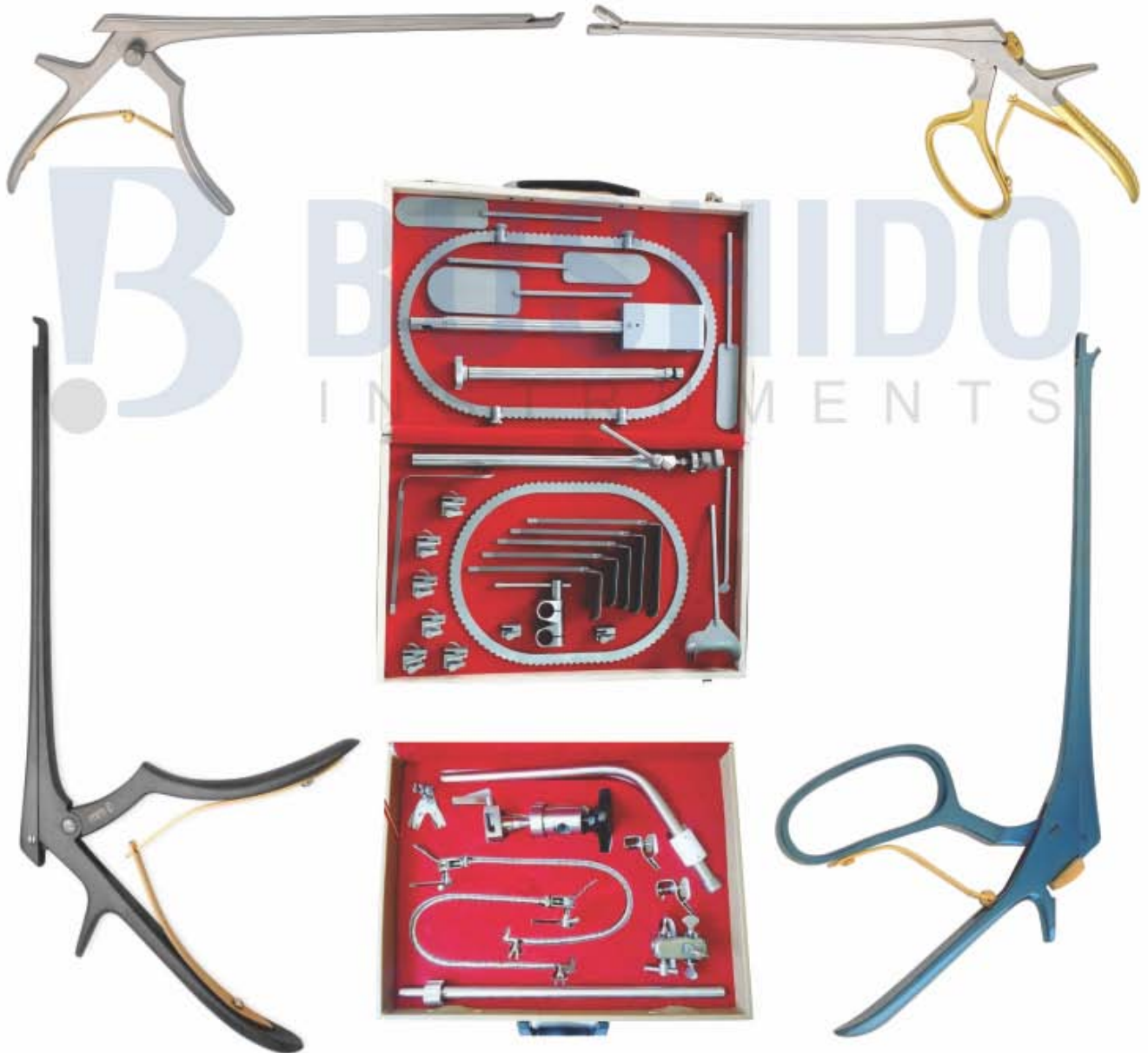


NEUROSURGERY INSTRUMENTS

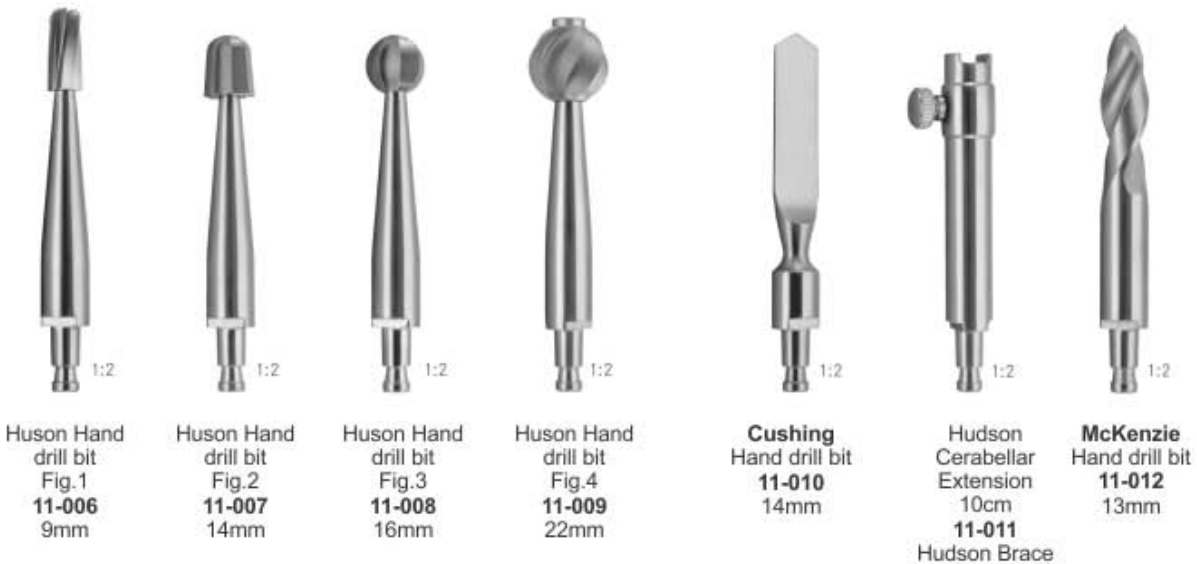




Hubson, Brace Hand Drill
11-004 27cm
complete with 4 twist drills
(Fig. 1 - Fig. 4) and extension piece

GALT
11-001 Ø 12,5 mm
11-002 Ø 16 mm
11-003 Ø 19 mm

Hudson Brace
11-005
28cm with Improved
Snap-Lock chuck



Huson Hand
drill bit
Fig.1
11-006
9mm

Huson Hand
drill bit
Fig.2
11-007
14mm

Huson Hand
drill bit
Fig.3
11-008
16mm

Huson Hand
drill bit
Fig.4
11-009
22mm

Cushing
Hand drill bit
11-010
14mm

Hudson
Cerabellar
Extension
10cm
11-011
Hudson Brace

McKenzie
Hand drill bit
11-012
13mm

Schadelhalter

Pinzas de traccion cranial

Pinces de traction Cranienne

Pinze per trazione craniale



**Crutchfield
Traction Tongs
11-013 13cm
small**



11-015

**Crutchfield drill bit
3.5mm**

**Crutchfield drill bit
5mm**

**Set of 2 Pieces for
11-013 and 11-014**



**Crutchfield
Traction Tongs
11-014 18.5cm**



**11-015
Wrench double-ended for**



**Crutchfield Skull
11-016**
large type, cervical traction tongs -
pins adjustable no drilling to be done
11cm



**Cloward Vertebral Cervical
Spreader
11-017**



**Spinal Distractor
11-018 24cm
45° angle / small style
6mm rods**



**Spinal Distractor
11-019 25.5cm
small style**



**Inge Retractor
11-020 20.5cm
toothed w/spindle**



Supra Cut Distraction Screw
 11-021 12mm Non Sterile
 11-022 14mm Non Sterile
 11-023 16mm Non Sterile
 11-024 18mm Non Sterile
 11-025 12mm Sterile
 11-026 14mm Sterile
 11-027 16mm Sterile
 11-028 18mm Sterile



Supra Cut Distraction Screw Driver
11-029



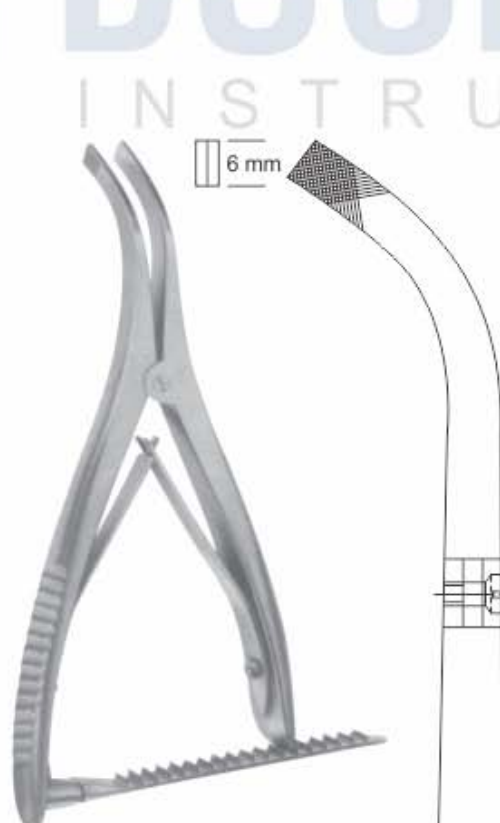
Cloward Retractor
11-030 15.5 cm



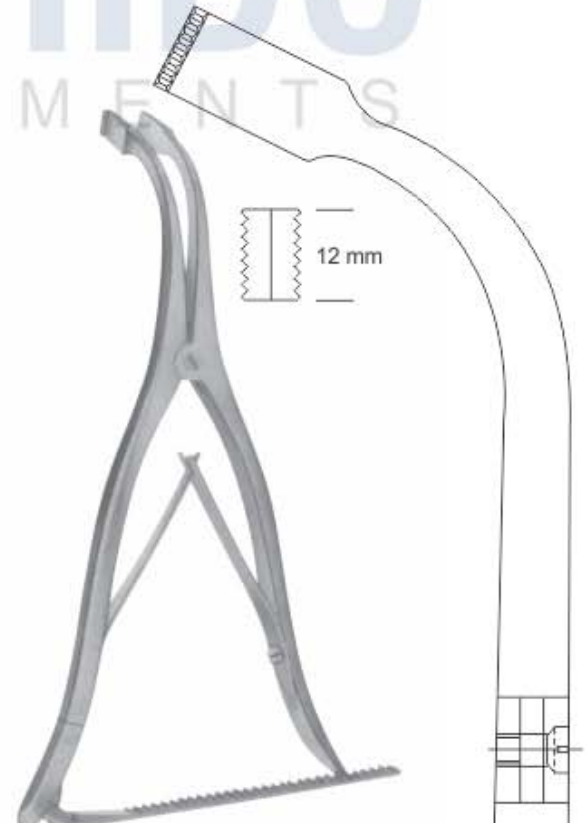
Cloward Retractor
11-031 13.5 cm



Inge Lamina Spreader
11-032
16 cm



Inge Retractor
11-033 17 cm



Inge Retractor
11-034 27.5 cm

Instrumente zur Schädelöffnung

Instrumentos para apertura craneana

Instruments pour l'ouverture de crâne

Strumenti per l'apertura del cranio



De Martel
Saw Conductor
11-035 33cm



Adson
Drill guide
11-036
15cm



De Vilbiss
Skull Forceps
11-037
20cm



Dahlgren
11-038
Cranial Rongeur
20 cm

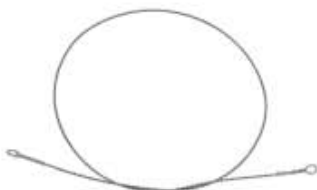


Gigle-Strully
Handle for
wire saw
11-039

BUSHIDO
INSTRUMENTS



Olivecrona
Wire Saw
11-040 30cm
11-041 40cm
11-042 50cm
11-043 60cm
11-044 70cm



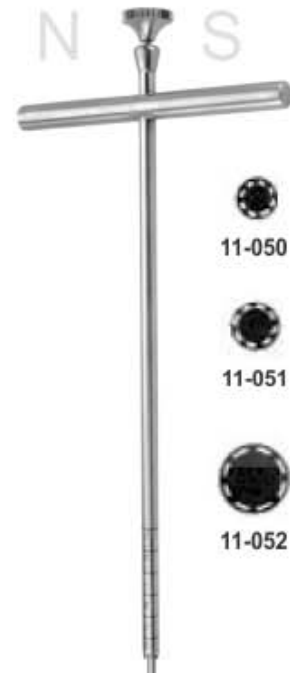
Gigle, Wire Saw
11-045 30cm
11-046 40cm
11-047 50cm
6 wires twisted



Bailey-Gigli
11-048
Saw Guide 30.5cm
flexible



Davis
11-049
Guide for Gigli Saws,
20cm



11-050

11-051

11-051

11-052

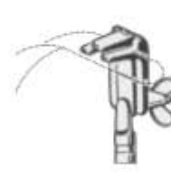
Michele Trephine,
11-050 16cm shaft, 0.47cm
O.D graduated 0.64cm To 3.2cm
11-051 16cm shaft, 0.79cm
O.D graduated 0.64cm To 3.2cm
11-052 16cm shaft, 0.56cm
O.D graduated 0.64cm To 3.2cm

selbsthaltender Hirnretractor
Retracteur cerebrale autostatique

Separador cerebral autostatico
Retrattore celebrale autostatico



11-053
wire cable only



11-054
Support only,
flat brain spatulas,



11-055
Support only,
for brain spatulas
with round shaft
up to 5.5 mm diam.
Fixing for flexible



Riechert
11-056
Fixation base, for skull
mounting, holding 1
flexible arms



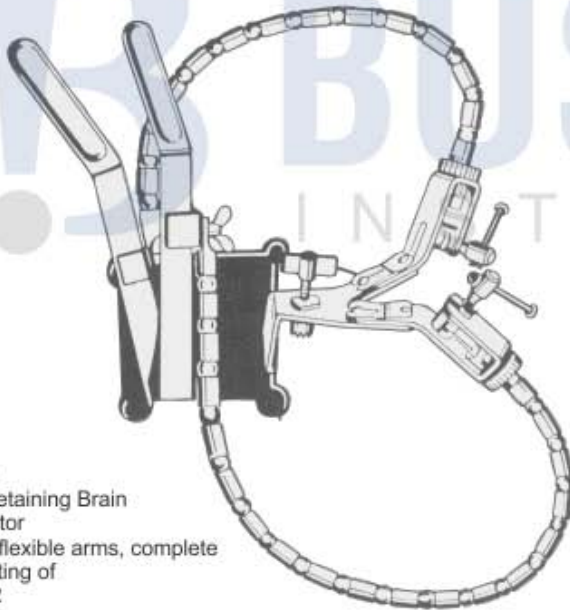
Riechert
11-057
Fixation base, for skull
mounting, holding 2
flexible arms



11-058
Fixation base, for skull
mounting, holding 1
flexible arms



Leyla
Self-Retaining Brain
Retractor
with 1 flexible arm, complete consisting of
11-059
11-060
11-061



Leyla
Self-Retaining Brain
Retractor
with 2 flexible arms, complete
consisting of
11-062
11-063
11-064



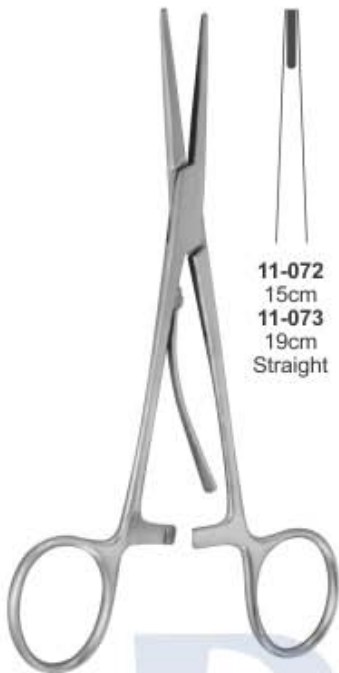
11-065
Fixation base only
holding 2 flexible arms
11-066
Support only for flat
brain spatulas

11-067
Fixation base only
holding 1 flexible arms
11-068
Support only for brain spatulas with round shaft of
4mm and 5mm to fix on the flexible arm
11-069
Flexible arm only for attaching
coupling heads and for fixation bases



11-070
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

11-071
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



11-072
15cm
11-073
19cm
Straight

11-074
15cm
11-075
19cm
Curved

McKenzie Clip Applying Forceps



McKenzie 11-076
148mm x 40mm x 6mm
Brain clip rack for 20 clips



McKenzie Clip Applying Forceps 11-077
Straight Handle, Curved Jaws, 15cm



McKenzie Clip Applying Forceps 11-078
Curved Handle, Curved Jaws, 15cm



Smithwick Clip Applying Forceps
11-079 23 cm
11-080 26.5 cm
Curved Jaws
Straight Handle



Schwartz Clip Applying Forceps
11-081 20cm
Schwartz Vessel Clip



11-082
2.5cm Straight Jaws 1.7x 8mm



11-083
2.5cm Slightly Angled Jaws 1.7x 8mm



11-084
2.5cm Strong Angled Jaws 1.7x 8mm



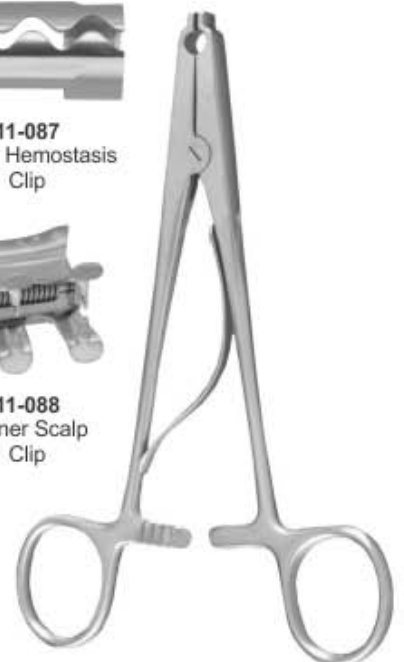
Olivecrona Toennis (Scoville), Clip Forceps
11-085 14cm



11-087
Raney Hemostasis Clip



11-088
Kolner Scalp Clip



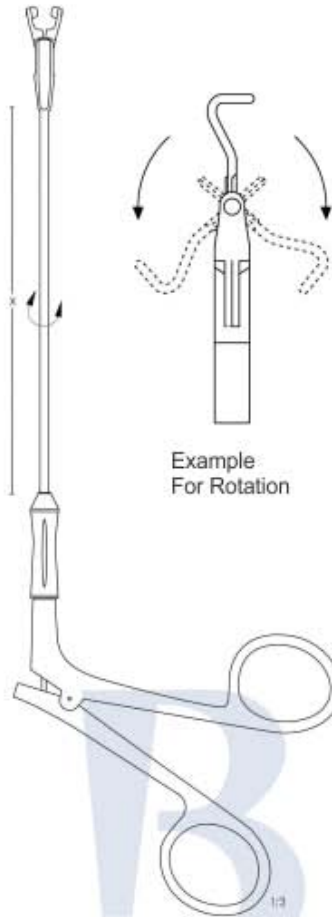
Raney Applyig & Removing Forceps
11-086 15cm

clips und anlegezangen

Clips y aplicadores

Clips et pinces a appliquer

Clips e pinze per mettere clips



Example
For Rotation

Applying Forceps

- Mini**
11-089 7cm
11-090 9cm
11-091 11cm
11-092 13cm
non rotating
Standard
11-093 7cm
11-094 9cm
11-095 11cm
11-096 13cm
non rotating

- Mini**
11-097 7cm
11-098 9cm
11-099 11cm
11-100 13cm
rotating
Standard
11-101 7cm
11-102 9cm
11-103 11cm
11-104 13cm
rotating



Applying Forceps

- Mini**
11-105 18cm
Straight with ratchet
Standard
11-106 18cm
Straight with ratchet

- Mini**
11-107 17cm
11-108 21cm
11-109 23cm
bayonett shaped, with ratchet
Standard
11-110 17cm
11-111 21cm
11-112 23cm
bayonett shaped, with ratchet



- Cushing, brain spatula**
11-113 7mm x 9mm
11-114 11mm x 13mm
11-115 15mm x 18mm
11-116 18mm x 22mm
18cm



- Olivecrona**
11-117
brain spatula
18cm



- Brain Spatula**
11-118 7mm x 9mm
11-119 11mm x 13mm
11-120 15mm x 18mm
11-121 18mm x 22mm
18cm Convex



- Brain Spatula**
11-122 7mm x 9mm
11-123 11mm x 13mm
11-124 15mm x 18mm
11-125 18mm x 22mm
18cm Concave



- Heifetz, brain spatula**
11-126 8mm
11-127 11mm
11-128 14mm
11-129 17mm
11-130 20mm
20cm Malleable

Hirnspatel | *Espatules cerebrales*
Spatules cerebrales | *Spatole cerebrali*

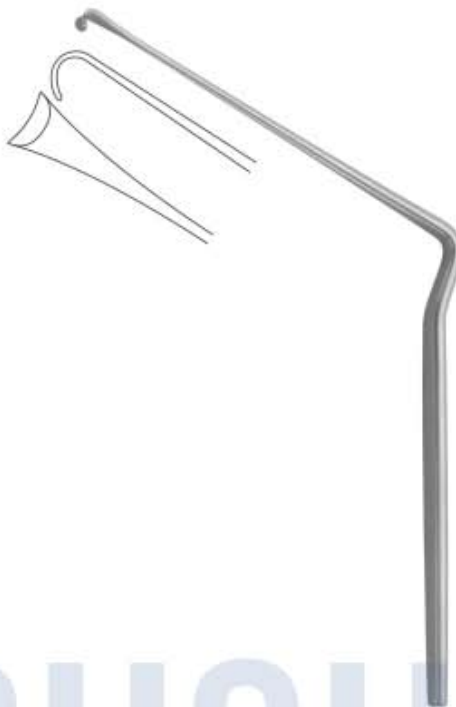
NERVE HOOKS



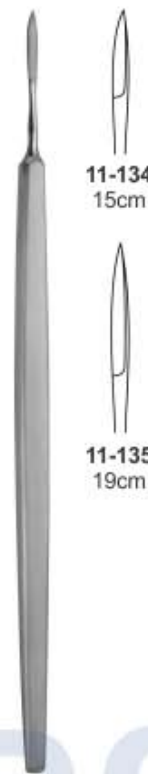
Scoville, Nerve Root Retractor
11-131 23cm
8mm



Holsher Nerve Root Retractor
11-132 24cm
7mm



Martin Nerve Root Retractor
11-133 21cm
7mm



Toennis Nerve Dura Hook

11-134
15cm

11-135
19cm



Halle Nerve Dura Hook
11-136 20cm



Smithwick Nerve Dura Hook
11-137 17cm
11-138 21cm



Hoen Nerve Dura Hook
11-139 22cm



Cushing Nerve Dura Hook

11-140
19cm
11-141
28cm

11-142
19cm
11-143
28cm



Olivecrona 11-144
Dura Dissector
18 cm



Olivecrona 11-145
Dura Dissector
20 cm



Milligan 11-146
Dura Dissector
21.5 cm



Davis 11-147
Dura Dissector sharp
21.5 cm

Nervenhaken - Durahaken

Ganchos para nervios - Ganchos para duramadre

Crochets a nerfs - Crochets pour duremers

Uncini per nervi - Uncini per duramadre



Graham Nerve Dura Hook
11-148
18.5cm



Frazier Nerve Dura Hook
11-149
17cm



Dandy Nerve Dura Hook
11-150
20cm



Dandy Nerve Dura Hook
11-151
20cm



Dandy Nerve Dura Hook
11-152
20cm



Adson Nerve Dura Hook



11-153
20cm



11-154
20cm



Yasargil Nerve Dura Hook Retractor
11-155 21cm
11-156 41cm
Galea retractor



Love Nerve Dura Hook Retractor
11-157 19cm
Straight



Love Nerve Dura Hook Retractor
11-158 19cm
45° Angled



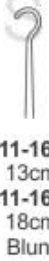
Love Nerve Dura Hook Retractor
11-159
19cm
90° Angled



Cushing Nerve Dura Hook Retractor
11-160 14cm



Frazier Nerve Dura Hook Retractor



11-161
13cm



11-162
18cm



Blunt



Lahey Nerve Dura Hook Retractor
11-163
13cm

Dura-Dissektoren

Disectores de duramadre

Decolleurs duremere

Dissetori per duramadre



Toennis Dura Dissector
11-164
25cm



Davis Dura Dissector
11-165
24.5cm



Dura Dissector
11-166 22cm



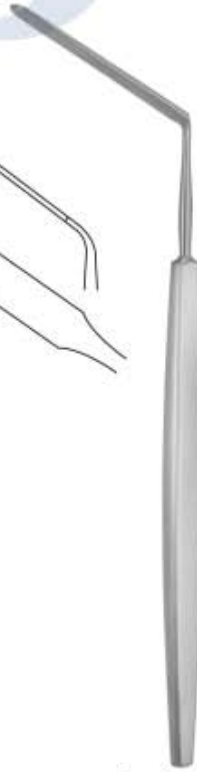
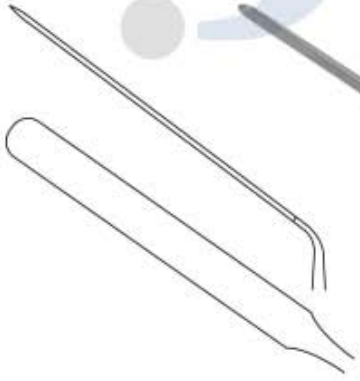
Sachs Dura Dissector
11-167 21cm



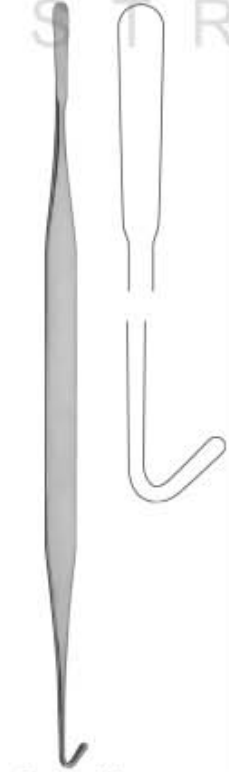
Sachs Dura Dissector
11-168 21cm



Sachs Dura Dissector
11-169
21cm



Horsley Dura Dissector
11-170
20cm



Smithwich Dura Dissector
11-171
30.5cm



Groningen
11-172
Nerve Hook
26.5 cm



Groningen
11-173
Nerve Hook
26.5 cm



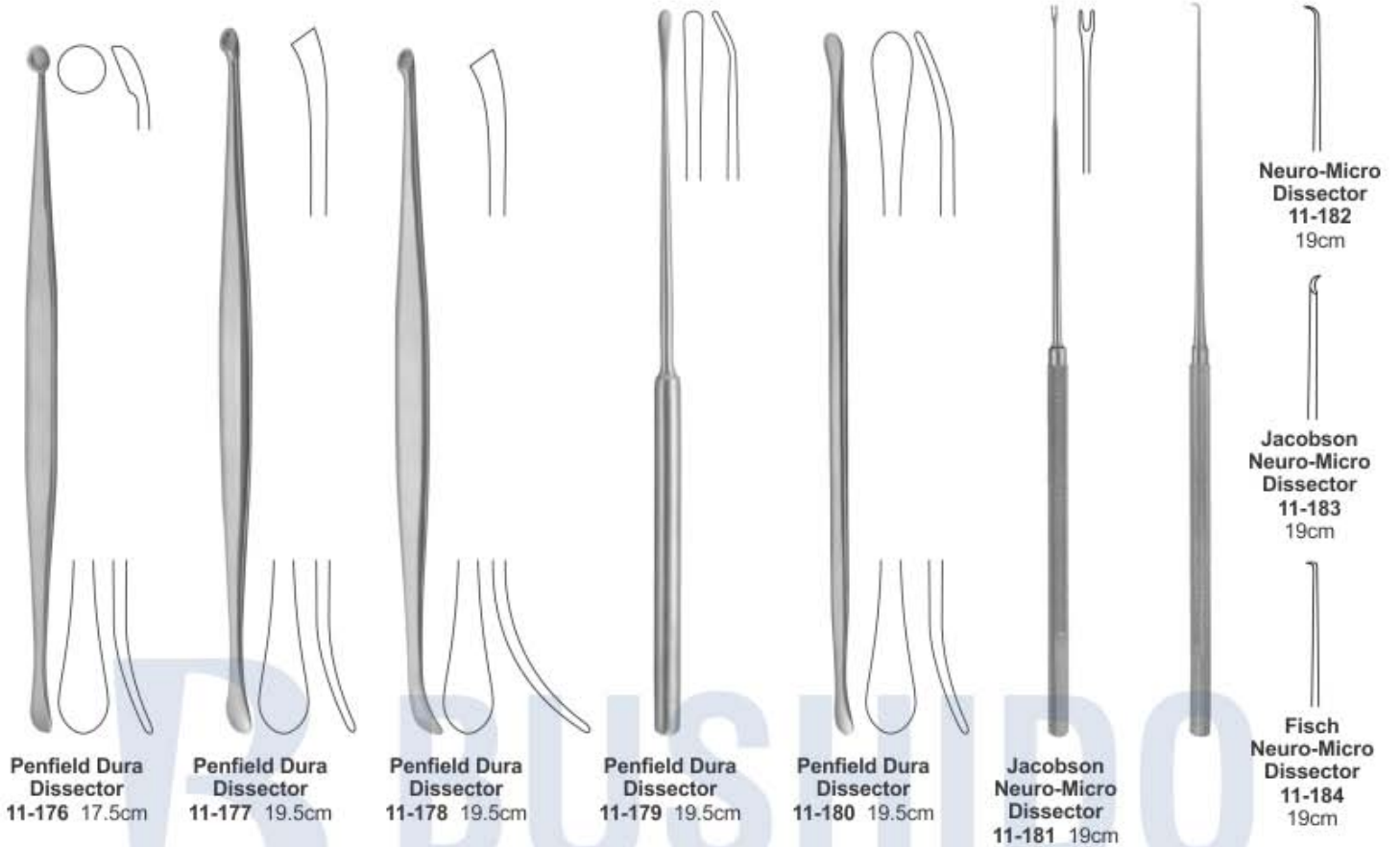
11-174
A



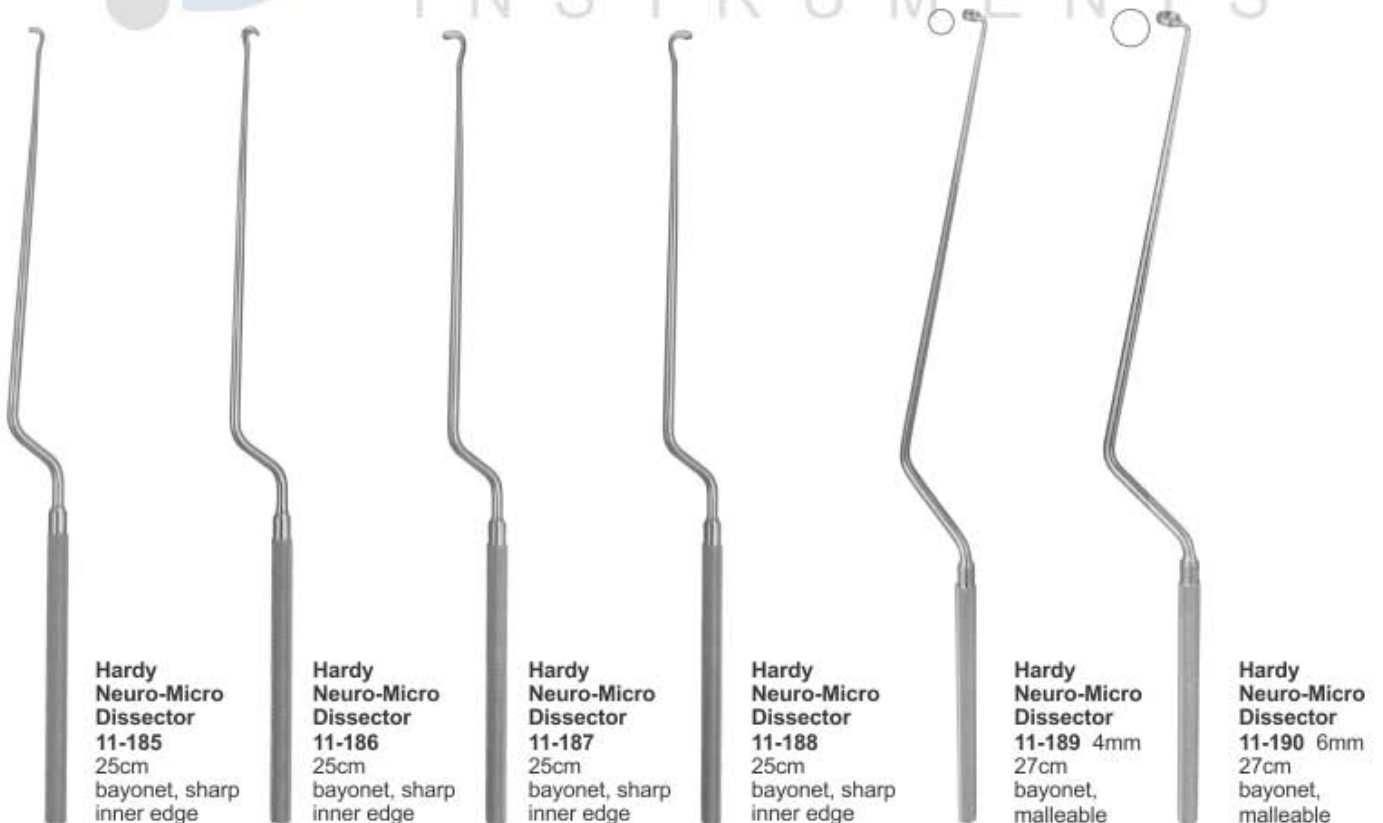
11-175
B



Cushing
Nerve Hook blunt
19 cm

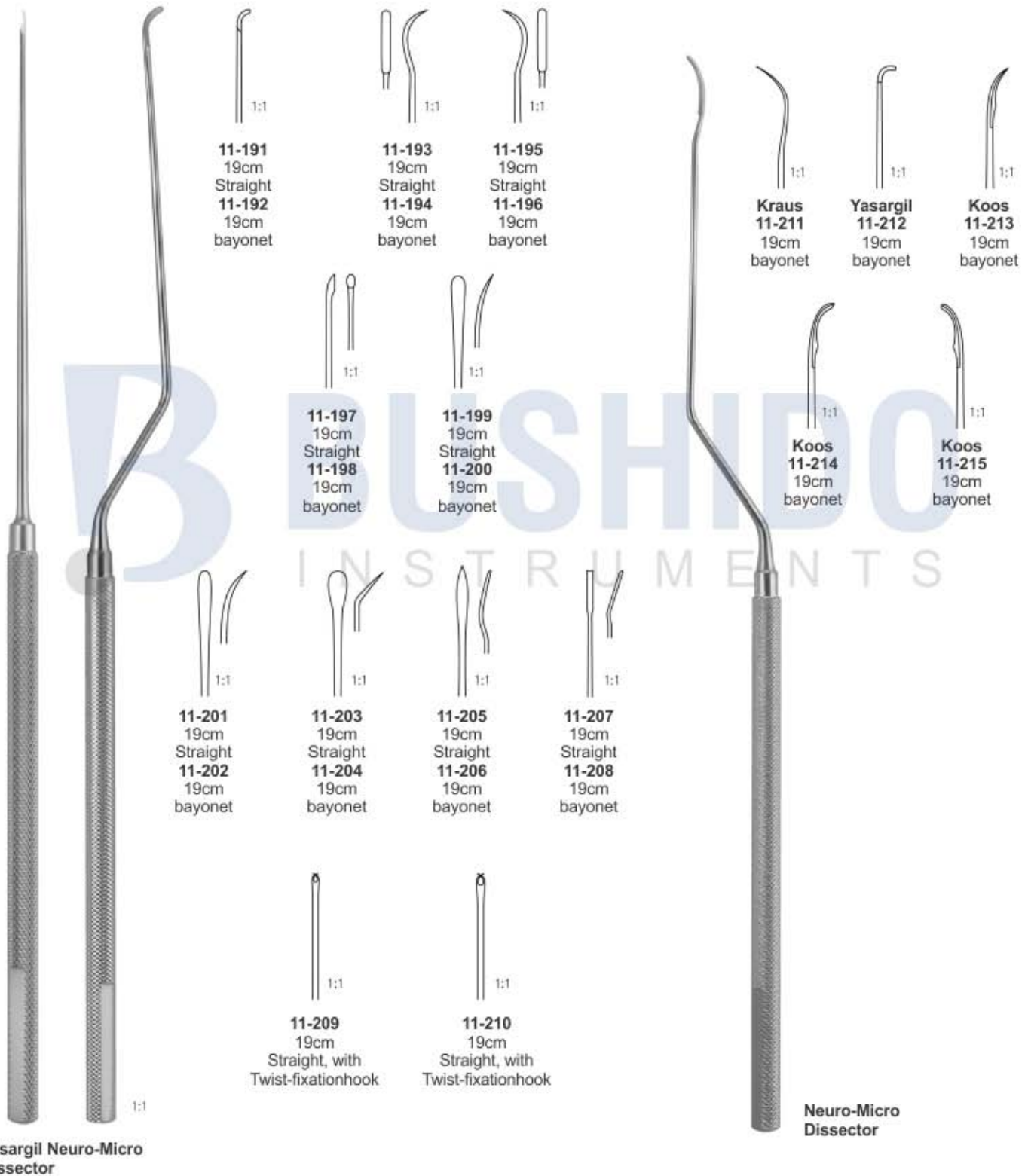


NEURO-DISSECTORS AND CURETTES



Neuro-Mikro-Dissektoren
Neuro-micro dissecteurs

Disectores para micro-neurocirugia
Strumento per micro-neuro chirurgia



Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



Cushing Intervertebral Disc Rongeurs
2 X 10mm, 15cm
11-216 straight
11-217 UP
11-218 Down



Love-Gruenwald Intervertebral Disc Rongeurs
3 X 10mm, 15cm
11-240 straight
11-241 Up
11-242 Down



Spurling Intervertebral Disc Rongeurs
4 X 10mm, 15cm
11-258 straight
11-259 Up
11-260 Down

1.5 X 10mm, 18cm
11-219 straight
11-220 Up
11-221 Down

3 X 10mm, 18cm
11-243 straight
11-244 Up
11-245 Down

4 X 10mm, 18cm
11-261 straight
11-262 Up
11-263 Down

2 X 10mm, 18cm
11-222 straight
11-223 UP
11-224 Down

3 X 10mm, 23cm
11-246 straight
11-247 Up
11-248 Down

4 X 10mm, 23cm
11-264 straight
11-265 Up
11-266 Down

1.5 X 10mm, 23cm
11-225 straight
11-226 Up
11-227 Down

3 X 10mm, 25.5cm
11-249 straight
11-250 Up
11-251 Down

4 X 10mm, 25.5cm
11-267 straight
11-268 Up
11-269 Down

2 X 10mm, 23cm
11-228 straight
11-229 UP
11-230 Down

3 X 10mm, 28cm
11-252 straight
11-253 Up
11-254 Down

4 X 10mm, 28cm
11-270 straight
11-271 Up
11-272 Down

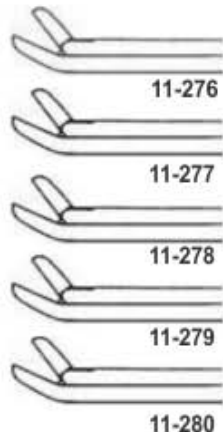
2 X 10mm, 25.5cm
11-231 straight
11-232 UP
11-233 Down

3 X 10mm, 30.5cm
11-255 straight
11-256 Up
11-257 Down

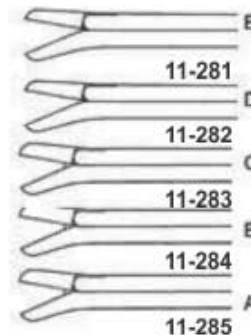
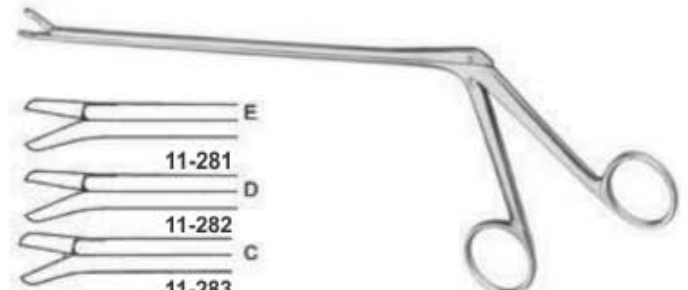
4 X 10mm, 30.5cm
11-273 straight
11-274 Up
11-275 Down

2 X 10mm, 28cm
11-234 straight
11-235 UP
11-236 Down

2 X 10mm, 30.5cm
11-237 straight
11-238 UP
11-239 Down



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

Laminektomiestanzen

Pinzas cortantes para laminectomia

Pinces emporte-pieces a laminectomie

Pinze taglianti per laminectomia

**Wilde Intervertebral
Disc Rongeurs**

18cm Straight
11-286 2.5mm
11-287 3mm
11-288 4mm
11-289 5mm

18cm Angled up
11-290 2.5mm
11-291 3mm
11-292 4mm
11-293 5mm

23.5cm Straight
11-294 3mm
11-295 4mm
11-296 5mm

**Caspar Type Intervertebral
Disc Rongeurs**

16cm Straight
11-297 2 x 12mm
11-298 3 x 12mm
11-299 4 x 14mm
11-300 5 x 14mm
11-301 6 x 16mm

16cm Up
11-302 3 x 12mm
11-303 4 x 14mm
11-304 5 x 14mm

16cm Down
11-305 3 x 12mm
11-306 4 x 14mm

**Caspar Type Intervertebral
Disc Rongeurs**

18.5cm Straight
11-307 2 x 12mm
11-308 3 x 12mm
11-309 4 x 14mm
11-310 5 x 14mm
11-311 6 x 16mm

18.5cm Up
11-312 2 x 12mm
11-313 3 x 12mm
11-314 4 x 14mm
11-315 5 x 14mm

18.5cm Down
11-316 2 x 12mm
11-317 3 x 12mm
11-318 4 x 14mm

**Cushing Intervertebral
Disc Rongeurs**

w/teeth 2 x 10mm, 18cm
11-319 Straight
11-320 Up
11-321 Down

**L-G Intervertebral
Disc Rongeurs**

w/teeth 3 x 10mm, 18cm
11-322 Straight
11-323 Up
11-324 Down

3 x 10mm, 25.5cm
11-325 Straight

**Schlesinger Intervertebral
Disc Rongeurs**

11-326 2 x 10mm, 13cm Straight
11-327 3 x 10mm, 13cm Straight
11-328 4 x 10mm, 13cm Straight
11-329 3 x 10mm, 13cm Angled Up

**Cloward Intervertebral
Disc Rongeurs**

serrated 6 x 10mm, 13cm
11-330 Straight
11-331 Up
11-332 Down

**Cushing Intervertebral
Disc Rongeurs**

2 X 10mm, 13cm
11-336 Straight
11-337 UP
11-338 Down

**Oldberg Intervertebral
Disc Rongeurs**

11-333 6mm Diameter
18.5cm

**Selverstone Intervertebral
Disc Rongeurs**

11-334 2 x 3mm, 15cm
11-335 2 x 5mm, 15cm

**Love-Gruenwald
Intervertebral Disc Rongeurs**

3 X 10mm, 13cm
11-339 Straight
11-340 Up
11-341 Down

**Spurling Intervertebral
Disc Rongeurs**

4 X 10mm, 13cm
11-342 Straight
11-343 Up
11-344 Down

Laminektomiestanzen

Pinzas cortantes para laminectomia

Pinces emporte-pieces a laminectomie

Pinze taglienti per laminectomia



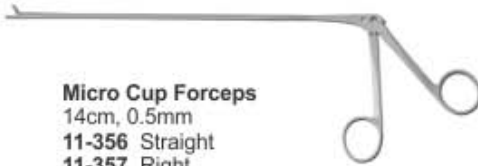
Decker Intervertebral Disc Rongeurs
2 x 5mm, 15cm
11-345 Right
11-346 Left
11-347 Down
11-348 Up
11-349 Straight



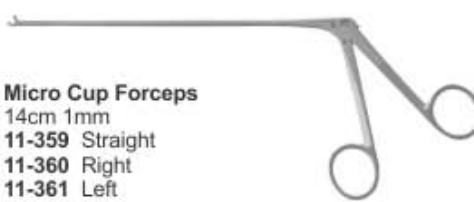
Jackson Intervertebral Disc Rongeurs
70° Up 18cm
11-350 2 x 8mm
11-351 3 x 8mm
11-352 4 x 8mm



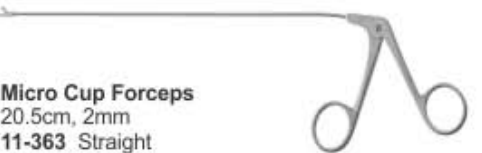
Williams Style Micro Disc Intervertebral Disc Rongeurs
1 x 2 teeth, Straight
11-353 14cm
11-354 18cm
11-355 25.5cm



Micro Cup Forceps
14cm, 0.5mm
11-356 Straight
11-357 Right
11-358 Left



Micro Cup Forceps
14cm 1mm
11-359 Straight
11-360 Right
11-361 Left
14cm 2mm
11-362 Straight



Micro Cup Forceps
20.5cm, 2mm
11-363 Straight
11-364 Up
11-365 Down



Well Blakesley Laminectomy rongeurs

	12cm Straight	Fig. 1 3.0mm 11-366	Fig. 2 3.5mm 11-367	Fig. 3 4.5mm 11-368	Fig. 4 5.0mm 11-369	Fig. 5 5.5mm 11-370
	12cm 45° up	11-371	11-372	11-373	11-374	11-375
	12cm 90° up	11-376	11-377	11-378		
	18cm 45° up	Fig. 1 3.0mm 11-379	Fig. 2 3.5mm 11-380	Fig. 3 4.5mm 11-381	Fig. 4 5.0mm 11-382	Fig. 5 5.5mm 11-383
	18cm 7" 90° up	11-384	11-385	11-386	11-387	

Laminectomiestanzen

Pinzas cortantes para laminectomia

Pinces emporte-pieces a laminectomie

Pinze taglianti per laminectomia

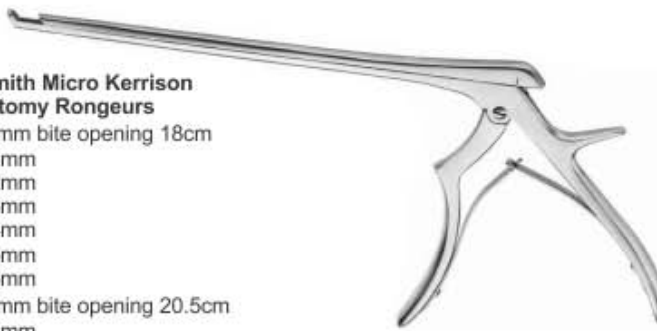
Ferris Smith Micro Kerrison Laminectomy Rongeurs

45° UP 9mm bite opening 18cm

- 11-388 1mm
- 11-389 2mm
- 11-390 3mm
- 11-391 4mm
- 11-392 5mm
- 11-393 6mm

90° UP 9mm bite opening 20.5cm

- 11-394 1mm
- 11-395 2mm
- 11-396 3mm
- 11-397 4mm
- 11-398 5mm
- 11-399 6mm



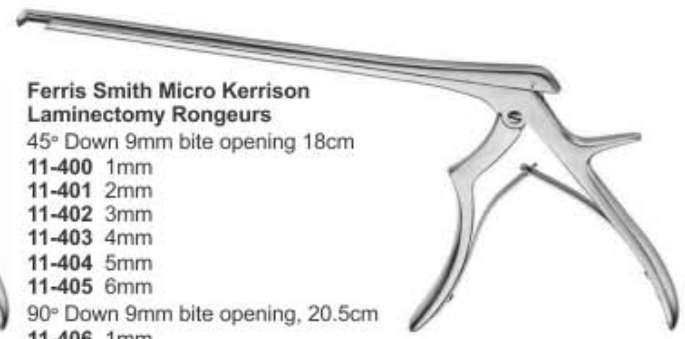
Ferris Smith Micro Kerrison Laminectomy Rongeurs

45° Down 9mm bite opening 18cm

- 11-400 1mm
- 11-401 2mm
- 11-402 3mm
- 11-403 4mm
- 11-404 5mm
- 11-405 6mm

90° Down 9mm bite opening, 20.5cm

- 11-406 1mm
- 11-407 2mm
- 11-408 3mm
- 11-409 4mm
- 11-410 5mm
- 11-411 6mm



Ferris Smith Micro Kerrison Laminectomy Rongeurs UPWARD

40° UP
9mm bite opening, 18cm

- 11-412 1mm
- 11-413 2mm
- 11-414 3mm
- 11-415 4mm
- 11-416 5mm
- 11-417 6mm

40° Down
9mm bite opening, 18cm

- 11-418 2mm
- 11-419 3mm
- 11-420 4mm
- 11-421 5mm
- 11-422 6mm

40° UP
9mm bite opening, 20.5cm

- 11-423 1mm
- 11-424 2mm
- 11-425 3mm
- 11-426 4mm
- 11-427 5mm
- 11-428 6mm

40° Down
9mm bite opening, 20.5cm

- 11-429 1mm
- 11-430 2mm
- 11-431 3mm
- 11-432 4mm
- 11-433 5mm
- 11-434 6mm

40° UP
9mm bite opening, 23cm

- 11-435 1mm
- 11-436 2mm
- 11-437 3mm
- 11-438 4mm
- 11-439 5mm
- 11-440 6mm

40° UP
9mm bite opening, 25.5cm

- 11-441 2mm
- 11-442 3mm
- 11-443 4mm
- 11-444 5mm
- 11-445 6mm

40° UP
9mm bite opening,

- 11-446 2mm
- 11-447 3mm
- 11-448 4mm
- 11-449 5mm
- 11-450 6mm

40° UP
9mm bite opening, 30.5cm

- 11-451 2mm
- 11-452 3mm
- 11-453 4mm
- 11-454 5mm
- 11-455 6mm



Ferris Smith Micro Kerrison Laminectomy Rongeurs DOWNWARD

130° Down
9mm bite opening, 18cm

- 11-456 1mm
- 11-457 2mm
- 11-458 3mm
- 11-459 4mm
- 11-460 5mm
- 11-461 6mm

130° Down
9mm bite opening, 20.5cm

- 11-462 1mm
- 11-463 2mm
- 11-464 3mm
- 11-465 4mm
- 11-466 5mm
- 11-467 6mm

130° Down
9mm bite opening, 23cm

- 11-468 1mm
- 11-469 2mm
- 11-470 3mm
- 11-471 4mm
- 11-472 5mm
- 11-473 6mm

130° Down
9mm bite opening, 25.5cm

- 11-474 1mm
- 11-475 2mm
- 11-476 3mm
- 11-477 4mm
- 11-478 5mm
- 11-479 6mm

130° Down
9mm bite opening, 28cm

- 11-480 1mm
- 11-481 2mm
- 11-482 3mm
- 11-483 4mm
- 11-484 5mm
- 11-485 6mm

130° Down
9mm bite opening, 30.5cm

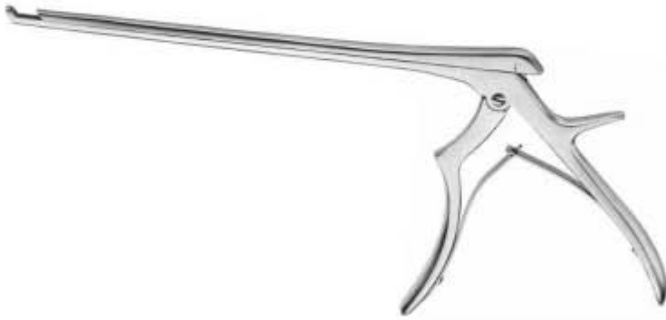
- 11-486 1mm
- 11-487 2mm
- 11-488 3mm
- 11-489 4mm
- 11-490 5mm
- 11-491 6mm

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

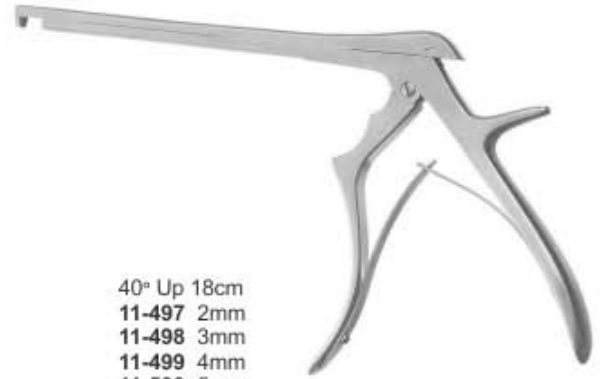
Pinzas cortantes para laminectomia

Pinze taglianti per laminectomia



**Micro Ejector Kerrison
Laminectomy Rongeurs**

40° Up 20.5cm
11-492 2mm
11-493 3mm
11-494 4mm
11-495 5mm
11-496 6mm



**Wide Mouth Ejector Kerrison
Laminectomy Rongeurs**

40° Up 18cm
11-497 2mm
11-498 3mm
11-499 4mm
11-500 5mm
11-501 6mm

40° Up 20.5cm
11-502 2mm
11-503 3mm
11-504 4mm
11-505 5mm
11-506 6mm



**Spurling Kerrison
Laminectomy Rongeurs
Large Handle**

40° UP,
15mm Bite Opening, 18cm
11-507 2mm
11-508 3mm
11-509 4mm
11-510 5mm
11-511 6mm

40° UP,
15mm Bite Opening, 25.5cm
11-522 2mm
11-523 3mm
11-524 4mm
11-525 5mm
11-526 6mm



**Spurling Kerrison
Laminectomy Rongeurs
Large Handle**

90° UP,
15mm Bite Opening, 18cm
11-532 2mm
11-533 3mm
11-534 4mm
11-535 5mm
11-536 6mm



**Spurling Kerrison
Laminectomy Rongeurs
Large Handle**

90° Down,
15mm Bite Opening, 18cm
11-542 2mm
11-543 3mm
11-544 4mm
11-545 5mm
11-546 6mm

40° UP,
15mm Bite Opening, 20.5cm
11-512 2mm
11-513 3mm
11-514 4mm
11-515 5mm
11-516 6mm

40° UP,
15mm Bite Opening, 28cm
11-527 2mm
11-528 3mm
11-529 4mm
11-530 5mm
11-531 6mm

90° UP,
15mm Bite Opening, 20.5cm
11-537 2mm
11-538 3mm
11-539 4mm
11-540 5mm
11-541 6mm

90° Down,
15mm Bite Opening, 20.5cm
11-547 2mm
11-548 3mm
11-549 4mm
11-550 5mm
11-551 6mm

40° UP,
15mm Bite Opening, 23cm
11-517 2mm
11-518 3mm
11-519 4mm
11-520 5mm
11-521 6mm

Laminektomiestanzen

Pinzas cortantes para laminectomia

Pinces emporte-pieces a laminectomie

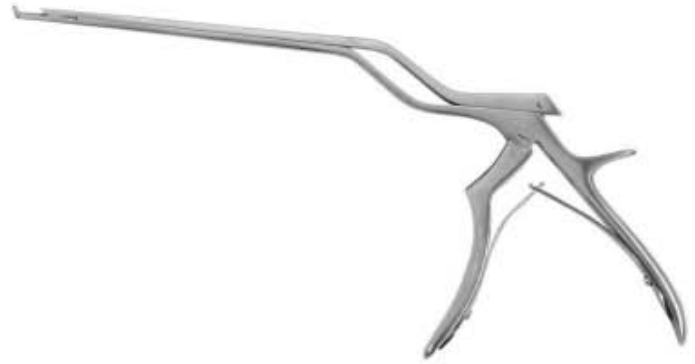
Pinze taglianti per laminectomia



Foramenotomy Kerrison

Laminectomy Rongeurs, Curved

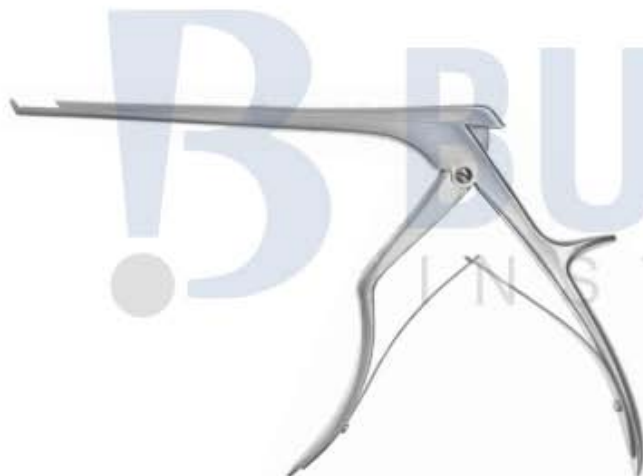
- 11-552 UP, 9mm Bite opening, 20.5cm 2mm
- 11-553 UP, 9mm Bite opening, 20.5cm 3mm
- 11-554 UP, 9mm Bite opening, 20.5cm 4mm
- 11-555 UP, 9mm Bite opening, 20.5cm 5mm
- 11-556 UP, 9mm Bite opening, 20.5cm 6mm
- 11-557 Left, 9mm Bite opening, 20.5cm 6mm
- 11-558 Right, 9mm Bite opening, 20.5cm 6mm



Bayonet Micro Kerrison

Laminectomy Rongeurs

- 40° Up, 150 mm Working Length 20.5cm
- 11-559 1mm
- 11-560 2mm
- 11-561 3mm
- 11-562 4mm
- 11-563 5mm
- 11-564 6mm



Spurling Laminectomy Rongeurs

90° Up, 150 mm Working Length 20.5cm

- 11-565 1mm
- 11-566 2mm
- 11-567 3mm
- 11-568 4mm
- 11-569 5mm
- 11-570 6mm

Bayonet Spurling Kerrison

Laminectomy Rongeurs

- 40° Up, 150 mm Working Length 20.5cm
- 11-571 1mm
- 11-572 2mm
- 11-573 3mm
- 11-574 4mm
- 11-575 5mm
- 11-576 6mm

90° Up, 150 mm Working Length 20.5cm

- 11-577 1mm
- 11-578 2mm
- 11-579 3mm
- 11-580 4mm
- 11-581 5mm
- 11-582 6mm

40° UP, 15mm Bite Opening, 18cm

- 11-583 2mm
- 11-584 3mm
- 11-585 4mm
- 11-586 5mm
- 11-587 6mm

40° UP, 15mm Bite Opening, 23cm

- 11-593 2mm
- 11-594 3mm
- 11-595 4mm
- 11-596 5mm
- 11-597 6mm

40° UP, 15mm Bite Opening, 20.5cm

- 11-588 2mm
- 11-589 3mm
- 11-590 4mm
- 11-591 5mm
- 11-592 6mm

40° UP, 15mm Bite Opening, 25.5cm

- 11-598 2mm
- 11-599 3mm
- 11-600 4mm
- 11-601 5mm
- 11-602 6mm

40° UP, 15mm Bite Opening, 28cm

- 11-603 2mm
- 11-604 3mm
- 11-605 4mm
- 11-606 5mm
- 11-607 6mm

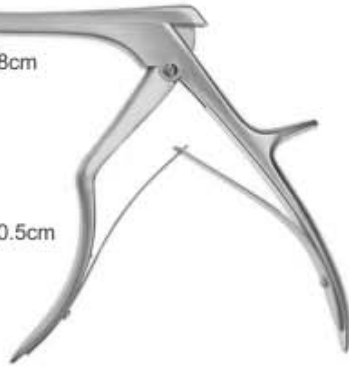
Laminektomiestanzen

Pinzas cortantes para laminectomia

Pinces emporte-pieces a laminectomie

Pinze taglienti per laminectomia

90° UP, 15mm Bite Opening, 18cm
11-608 2mm
11-609 3mm
11-610 4mm
11-611 5mm
11-612 6mm



Spurling Laminectomy Rongeurs

90° UP, 15mm Bite Opening, 20.5cm
11-613 2mm
11-614 3mm
11-615 4mm
11-616 5mm
11-617 6mm

90° Down, 15mm Bite Opening, 18cm
11-618 2mm
11-619 3mm
11-620 4mm
11-621 5mm
11-622 6mm



Spurling Laminectomy Rongeurs

90° Down, 15mm Bite Opening, 20.5cm
11-623 2mm
11-624 3mm
11-625 4mm
11-626 5mm
11-627 6mm

Micro Ejector Kerrison Laminectomy Rongeurs

40° Up 20.5cm
11-628 2mm
11-629 3mm
11-630 4mm
11-631 5mm
11-632 6mm



Wide Mouth Ejector Kerrison Laminectomy Rongeurs

40° Up 18cm	40° Up 20.5cm
11-633 2mm	11-638 2mm
11-634 3mm	11-639 3mm
11-635 4mm	11-640 4mm
11-636 5mm	11-641 5mm
11-637 6mm	11-642 6mm



Ferris Smith Micro Kerrison Laminectomy Rongeurs

130° Down Bite, 28cm
11-643 4mm
11-644 5mm
11-645 6mm

130° Down Bite, 30.5cm
11-646 1mm
11-647 2mm
11-648 3mm
11-649 4mm
11-650 5mm
11-651 6mm

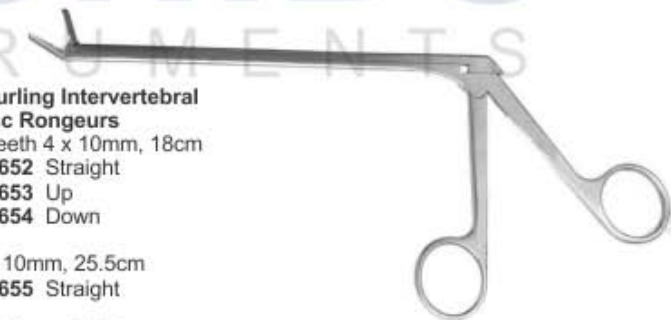


Spurling Intervertebral Disc Rongeurs

w/teeth 4 x 10mm, 18cm
11-652 Straight
11-653 Up
11-654 Down

4 x 10mm, 25.5cm
11-655 Straight

5 x 10mm, 25.5cm
11-656 Straight



Kerrison Cervical Rongeur

11-657
 17.8 cm shaft, 3 mm
 40 degree forward angle



Schlesinger Cervical Rongeur

11-658
 thin tips, 15 cm shaft, up-bite, 3 mm

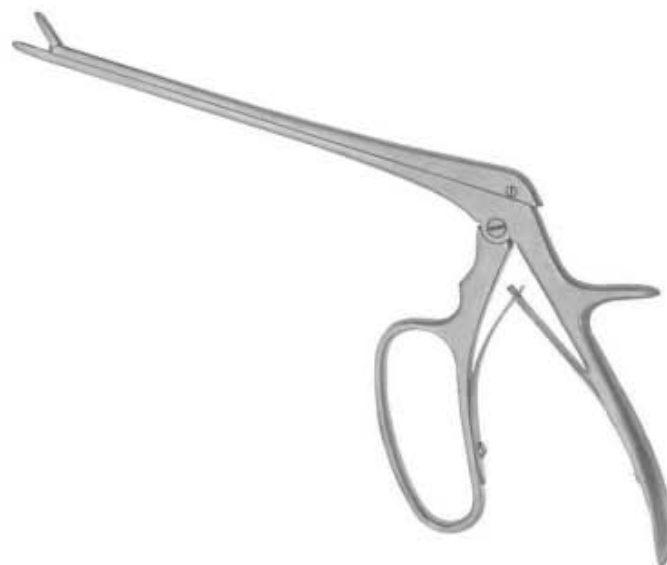


Laminectomiestanzen

Pinzas cortantes para laminectomia

Pinces emporte-pieces a laminectomie

Pinze taglianti per laminectomia



Ferris-Smith Intervertebral Disc Rongeurs

- 18cm straight
- 11-659 2 x 10mm
- 11-660 3 x 10mm
- 11-661 4 x 8mm
- 11-662 4 x 10mm
- 11-663 6 x 10mm
- 11-664 6 x 12mm

Ferris-Smith Intervertebral Disc Rongeurs

- 18cm Up
- 11-665 2 x 10mm
- 11-666 3 x 10mm
- 11-667 4 x 10mm
- 11-668 6 x 10mm

- 18cm Down
- 11-669 2 x 10mm
- 11-670 3 x 10mm
- 11-671 4 x 10mm
- 11-672 6 x 10mm



Peapod Intervertebral Disc Rongeurs, 14cm

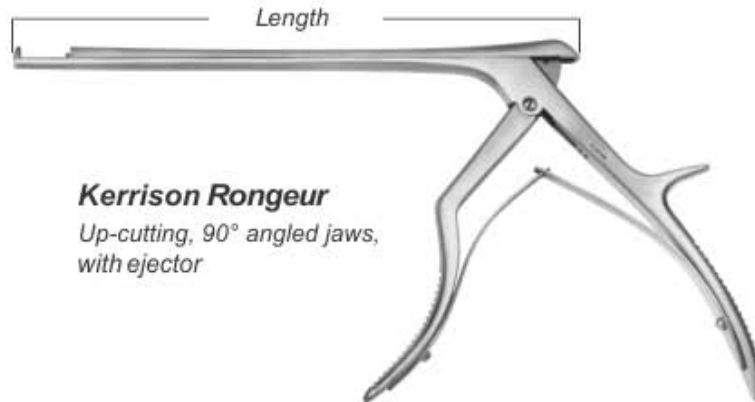
- 11-673 Angle up 1.5mm, x-small
- 11-674 Angle up 2mm, small
- 11-675 Angle up 2.5mm, medium
- 11-676 Angle up 3mm, large

Peapod Intervertebral Disc Rongeurs,

- 11-677 Angle up 2.5mm, 18cm
- 11-678 Angle up 3mm, 18cm
- 11-679 Angle up 4mm, 18cm
- 11-680 Straight 2mm, 14cm
- 11-681 Straight 2.5mm, 14cm
- 11-682 Straight 3mm, 14cm

Laminektomiestanzen
Pincas emporte-pieces a laminectomie

Pinzas cortantes para laminectomia
Pinze taglienti per laminectomia



Kerrison Rongeur

Up-cutting, 90° angled jaws,
with ejector

Ferris-Smith Kerrison handle	Kerrison Small handle	Kerrison Large handle	Jaw size (width x height)	Length*
		11-707	2,0 x 2,0 mm	18 cm
11-683	11-695	11-708	2,5 x 2,5 mm	18 cm
11-684	11-696	11-709	2,0 x 3,0 mm	18 cm
11-685	11-697	11-710	3,0 x 4,0 mm	18 cm
11-686	11-698	11-711	4,0 x 5,0 mm	18 cm
11-687	11-699	11-712	5,0 x 5,0 mm	18 cm
11-688	11-700	11-713	6,0 x 5,0 mm	18 cm
		11-714	7,0 x 6,0 mm	18 cm
		11-715	2,0 x 2,0 mm	20 cm
11-689	11-701	11-716	2,5 x 2,5 mm	20 cm
11-690	11-702		2,0 x 3,0 mm	20 cm
11-691	11-703	11-717	3,0 x 4,0 mm	20 cm
11-692	11-704	11-718	4,0 x 5,0 mm	20 cm
11-693	11-705	11-719	5,0 x 5,0 mm	20 cm
11-694	11-706	11-720	6,0 x 5,0 mm	20 cm
		11-721	7,0 x 6,0 mm	20 cm
		11-722	2,0 x 2,0 mm	22 cm
		11-723	2,5 x 2,5 mm	22 cm
		11-724	2,0 x 3,0 mm	22 cm
		11-725	3,0 x 4,0 mm	22 cm
		11-726	4,0 x 5,0 mm	22 cm
		11-727	5,0 x 5,0 mm	22 cm
		11-728	6,0 x 5,0 mm	22 cm
		11-729	7,0 x 6,0 mm	22 cm
		11-730	2,0 x 2,0 mm	25 cm
		11-731	2,0 x 3,0 mm	25 cm
		11-732	3,0 x 4,0 mm	25 cm
		11-733	4,0 x 5,0 mm	25 cm
		11-734	5,0 x 5,0 mm	25 cm
		11-735	2,0 x 2,0 mm	30 cm
		11-736	3,0 x 4,0 mm	30 cm
		11-737	4,0 x 5,0 mm	30 cm
		11-738	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

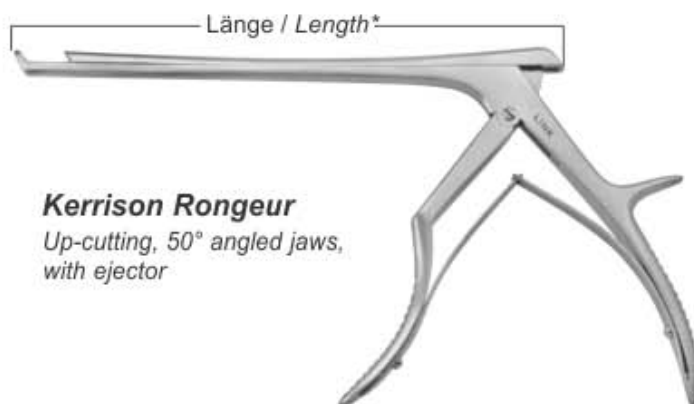
* Lengths are measured with closed jaws

Laminektomiestanzen

Pinzas cortantes para laminectomia

Pinces emporte-pieces a laminectomie

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*	
		11-763	2,0 x 2,0 mm	18 cm
11-739	11-751	11-764	2,5 x 2,5 mm	18 cm
11-740	11-752		2,0 x 3,0 mm	18 cm
11-741	11-753	11-765	3,0 x 4,0 mm	18 cm
11-742	11-754	11-766	4,0 x 5,0 mm	18 cm
11-743	11-755	11-767	5,0 x 5,0 mm	18 cm
11-744	11-756	11-768	6,0 x 5,0 mm	18 cm
		11-769	7,0 x 6,0 mm	18 cm
		11-770	2,0 x 2,0 mm	20 cm
11-745	11-757	11-771	2,5 x 2,5 mm	20 cm
11-746	11-758	11-772	2,0 x 3,0 mm	20 cm
11-747	11-759	11-773	3,0 x 4,0 mm	20 cm
11-748	11-760	11-774	4,0 x 5,0 mm	20 cm
11-749	11-761	11-775	5,0 x 5,0 mm	20 cm
11-750	11-762	11-776	6,0 x 5,0 mm	20 cm
		11-777	7,0 x 6,0 mm	20 cm
		11-778	2,0 x 2,0 mm	22 cm
		11-779	2,5 x 2,5 mm	22 cm
		11-780	3,0 x 4,0 mm	22 cm
		11-781	4,0 x 5,0 mm	22 cm
		11-782	5,0 x 5,0 mm	22 cm
		11-783	6,0 x 5,0 mm	22 cm
		11-784	7,0 x 6,0 mm	22 cm
		11-785	2,0 x 2,0 mm	25 cm
		11-786	3,0 x 4,0 mm	25 cm
		11-787	4,0 x 5,0 mm	25 cm
		11-788	5,0 x 5,0 mm	25 cm
		11-789	2,0 x 2,0 mm	30 cm
		11-790	3,0 x 4,0 mm	30 cm
		11-791	4,0 x 5,0 mm	30 cm
		11-792	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

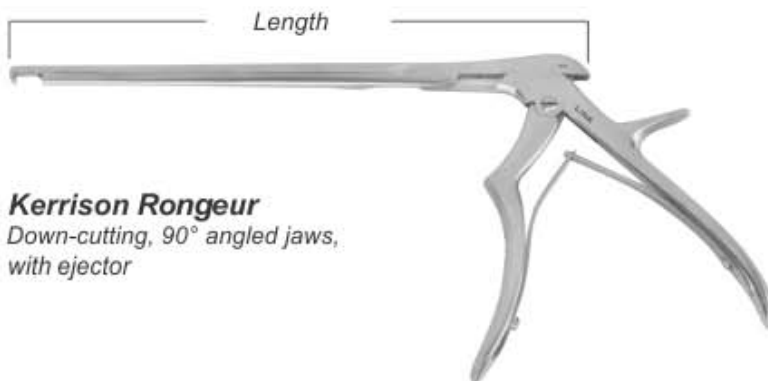
* Lengths are measured with closed jaws

Laminektomiestanzen

Pinces emporte-pieces a laminectomie

Pinzas cortantes para laminectomia

Pinze taglienti per laminectomia



Kerrison Rongeur
Down-cutting, 90° angled jaws,
with ejector

Ferris-Smith Kerrison handle	Kerrison Small handle	Kerrison Large handle	Jaw size (width x height)	Length*
		11-817	2,0 x 2,0 mm	18 cm
11-793	11-805	11-818	2,5 x 2,5 mm	18 cm
11-794	11-806		2,0 x 3,0 mm	18 cm
11-795	11-807	11-819	3,0 x 4,0 mm	18 cm
11-796	11-808	11-820	4,0 x 5,0 mm	18 cm
11-797	11-809	11-821	5,0 x 5,0 mm	18 cm
11-798	11-810	11-822	6,0 x 5,0 mm	18 cm
		11-823	7,0 x 6,0 mm	18 cm
		11-824	2,0 x 2,0 mm	20 cm
11-799	11-811	11-825	2,5 x 2,5 mm	20 cm
11-800	11-812	11-826	2,0 x 3,0 mm	20 cm
11-801	11-813	11-827	3,0 x 4,0 mm	20 cm
11-802	11-814	11-828	4,0 x 5,0 mm	20 cm
11-803	11-815	11-829	5,0 x 5,0 mm	20 cm
11-804	11-816	11-830	6,0 x 5,0 mm	20 cm
		11-831	7,0 x 6,0 mm	20 cm
		11-832	2,0 x 2,0 mm	22 cm
		11-833	2,5 x 2,5 mm	22 cm
		11-834	2,0 x 3,0 mm	22 cm
		11-835	3,0 x 4,0 mm	22 cm
		11-836	4,0 x 5,0 mm	22 cm
		11-837	5,0 x 5,0 mm	22 cm
		11-838	6,0 x 5,0 mm	22 cm
		11-839	7,0 x 6,0 mm	22 cm
		11-840	2,0 x 2,0 mm	25 cm
		11-841	2,0 x 3,0 mm	25 cm
		11-842	3,0 x 4,0 mm	25 cm
		11-843	4,0 x 5,0 mm	25 cm
		11-844	5,0 x 5,0 mm	25 cm
		11-845	2,0 x 2,0 mm	30 cm
		11-846	2,0 x 3,0 mm	30 cm
		11-847	3,0 x 4,0 mm	30 cm
		11-848	4,0 x 5,0 mm	30 cm
		11-849	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

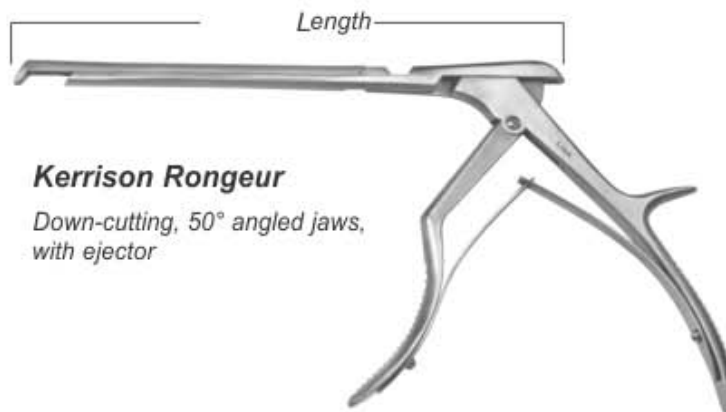
* Lengths are measured with closed jaws

Laminektomiestanzen

Pinzas cortantes para laminectomia

Pinces emporte-pieces a laminectomie

Pinze taglianti 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*
		11-874	2,0 x 2,0 mm	18 cm
11-850	11-862	11-875	2,5 x 2,5 mm	18 cm
11-851	11-863	11-876	2,0 x 3,0 mm	18 cm
11-852	11-864	11-877	3,0 x 4,0 mm	18 cm
11-853	11-865	11-878	4,0 x 5,0 mm	18 cm
11-854	11-866	11-879	5,0 x 5,0 mm	18 cm
11-855	11-867	11-880	6,0 x 5,0 mm	18 cm
		11-881	7,0 x 6,0 mm	18 cm
		11-882	2,0 x 2,0 mm	20 cm
11-856	11-868	11-883	2,5 x 2,5 mm	20 cm
11-857	11-869		2,0 x 3,0 mm	20 cm
11-858	11-870	11-884	3,0 x 4,0 mm	20 cm
11-859	11-871	11-885	4,0 x 5,0 mm	20 cm
11-860	11-872	11-886	5,0 x 5,0 mm	20 cm
11-861	11-873	11-887	6,0 x 5,0 mm	20 cm
		11-888	7,0 x 6,0 mm	20 cm
		11-889	2,0 x 2,0 mm	22 cm
		11-890	2,5 x 2,5 mm	22 cm
		11-891	2,0 x 3,0 mm	22 cm
		11-892	3,0 x 4,0 mm	22 cm
		11-893	4,0 x 5,0 mm	22 cm
		11-894	5,0 x 5,0 mm	22 cm
		11-895	6,0 x 5,0 mm	22 cm
		11-896	7,0 x 6,0 mm	22 cm
		11-897	2,0 x 2,0 mm	25 cm
		11-898	2,0 x 3,0 mm	25 cm
		11-899	3,0 x 4,0 mm	25 cm
		11-900	4,0 x 5,0 mm	25 cm
		11-901	5,0 x 5,0 mm	25 cm
		11-902	2,0 x 2,0 mm	30 cm
		11-903	2,0 x 3,0 mm	30 cm
		11-904	3,0 x 4,0 mm	30 cm
		11-905	4,0 x 5,0 mm	30 cm
		11-906	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

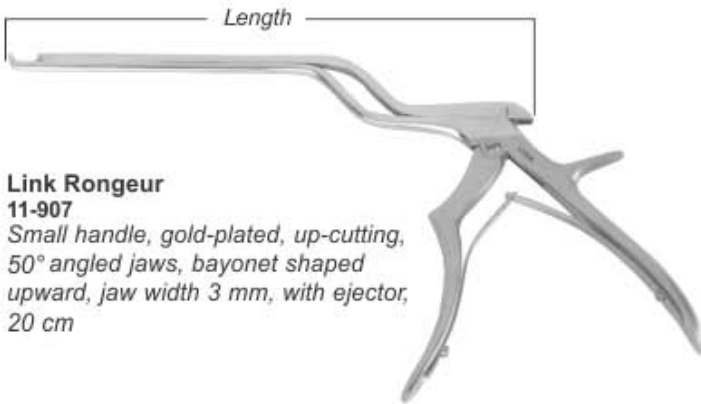
* Lengths are measured with closed jaws

Laminektomiestanzen

Pinzas cortantes para laminectomia

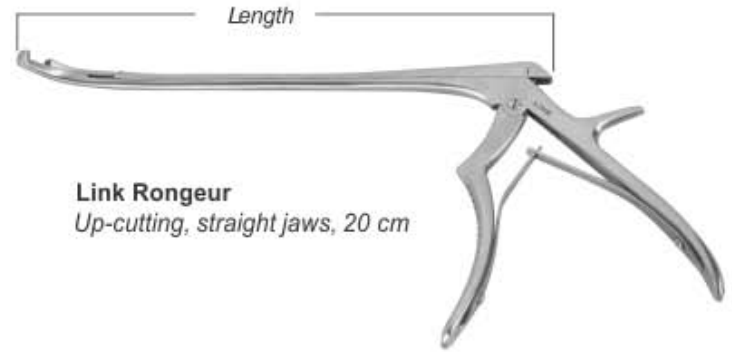
Pinces emporte-pieces a laminectomie

Pinze taglienti per laminectomia



Link Rongeur

11-907
Small handle, gold-plated, up-cutting, 50° angled jaws, bayonet shaped upward, jaw width 3 mm, with ejector, 20 cm

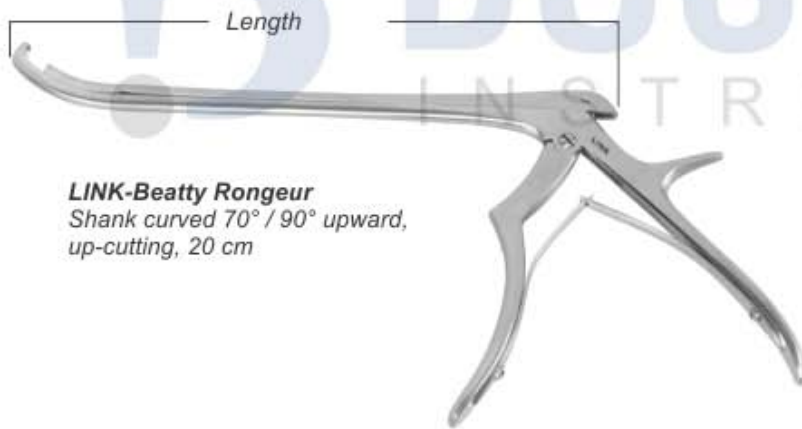


Link Rongeur

Up-cutting, straight jaws, 20 cm

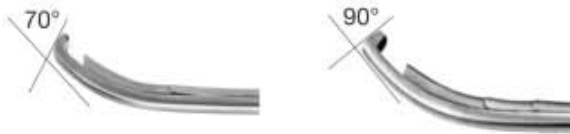
Curved to left	Curved to right	Jaw size (width x height)
		3,0 x 4,0 mm
11-908	11-911	4,0 x 4,0 mm
11-909	11-912	5,0 x 4,0 mm
11-910	11-913	

Lengths are measured with closed jaws



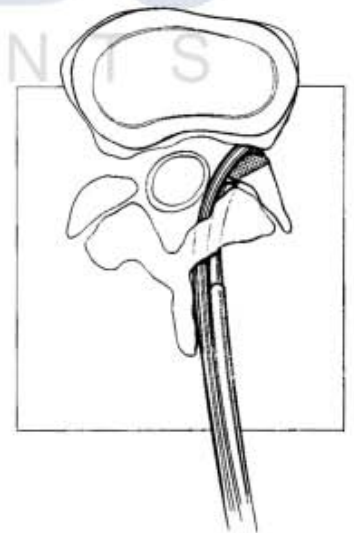
LINK-Beatty Rongeur

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



		Jaw size (width x height)
11-914	11-918	2,0 x 3,0 mm
11-915	11-919	3,0 x 4,0 mm
11-916	11-920	4,0 x 4,0 mm
11-917	11-921	5,0 x 4,0 mm

Lengths are measured with closed jaws



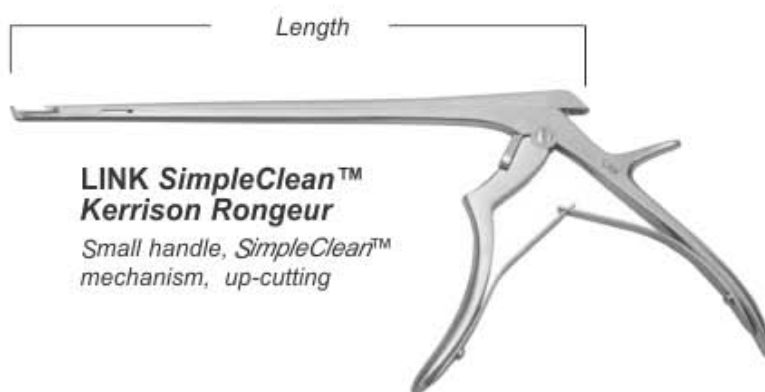
The angled LINK-Beatty Rongeur allows to perform foraminotomies while preserving dorsal processes and facet joints.

Laminektomiestanzen


Pinzas cortantes para laminectomia

Pinces emporte-pieces a laminectomie

Pinze taglienti per laminectomia



**LINK SimpleClean™
Kerrison Rongeur**
Small handle, SimpleClean™
mechanism, up-cutting

50° angled jaws thin footplate			50° angled jaws		
	Jaw width	Length*		Jaw width	Length*
11-922	2 mm	18 cm	11-934	2 mm	18 cm
11-923	3 mm	18 cm	11-935	3 mm	18 cm
11-924	4 mm	18 cm	11-936	4 mm	18 cm
11-925	5 mm	18 cm	11-937	5 mm	18 cm
11-926	2 mm	20 cm	11-938	6 mm	18 cm
11-927	3 mm	20 cm	11-939	2 mm	20 cm
11-928	4 mm	20 cm	11-940	3 mm	20 cm
11-929	5 mm	20 cm	11-941	4 mm	20 cm
11-930	2 mm	23 cm	11-942	5 mm	20 cm
11-931	3 mm	23 cm	11-943	6 mm	20 cm
11-932	4 mm	23 cm	11-944	2 mm	23 cm
11-933	5 mm	23 cm	11-945	3 mm	23 cm
			11-946	4 mm	23 cm
			11-947	5 mm	23 cm
			11-948	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 an lift up the pusher.

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

Laminektomiestanzen

Pinzas cortantes para laminectomia

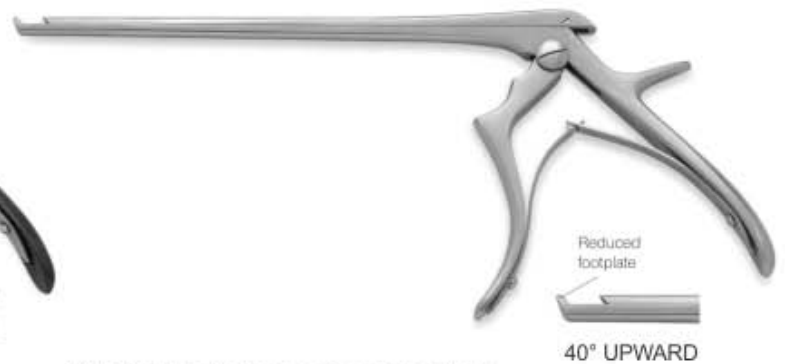
Pinces emporte-pieces a laminectomie

Pinze taglienti per laminectomia



40° UPWARD

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



40° UPWARD

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

40° UPWARD JAW

18cm/7" Shaft	20cm/8" Shaft	23cm/9" Shaft	Bite Size
11-949	11-955	11-961	1mm
11-950	11-956	11-962	2mm
11-951	11-957	11-963	3mm
11-952	11-958	11-964	4mm
11-953	11-959	11-965	5mm
11-954	11-960	11-966	6mm

40° UPWARD JAW

18cm/7" Shaft	20cm/8" Shaft	Bite Size
11-967	11-972	2mm
11-968	11-973	3mm
11-969	11-974	4mm
11-970	11-975	5mm
11-971	11-976	6mm

A reduced footplate thickness useful for a restricted operating area

40° UPWARD



40° UPWARD



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

40° UPWARD JAW

18cm/7" Shaft	20cm/8" Shaft	Bite Size
11-977	11-982	2mm
11-978	11-983	3mm
11-979	11-984	4mm
11-980	11-985	5mm
11-981	11-986	6mm

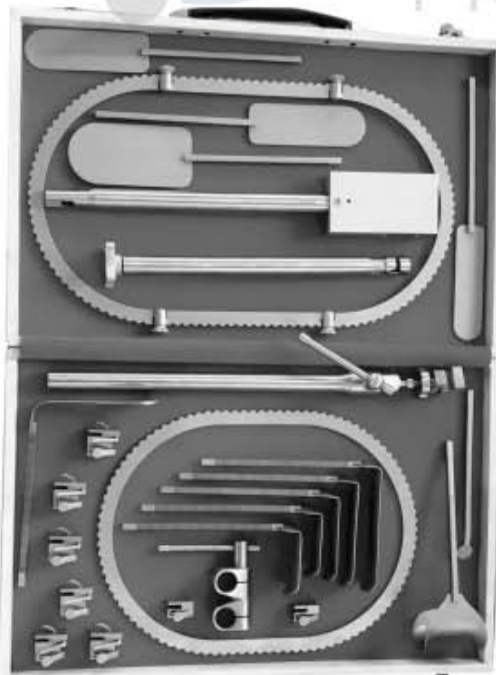
40° UPWARD JAW

28cm/11" Shaft	Bite Size
11-987	2mm
11-988	3mm
11-989	4mm
11-990	5mm
11-991	6mm

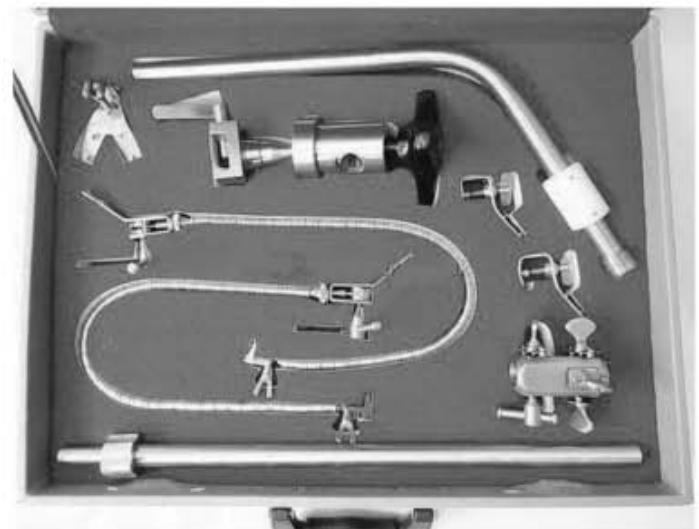
Long Anterior Kerrison Laminectomy Punch
40° UPWARD Jaw angle
with special Titanium coating on surface
Extra long shaft for Thoracic approach
Bone ejector

*Brain Retractors Set**Conjunto de retractores cerebrales**Ensemble d'écarteurs cérébraux**Set di divaricatori per cervello*

11-992
Book Walter Retractor
Complete Set with Box



11-993
Book Walter Retractor
Complete Set with Wooden Box



11-994
Leyla
Self-Retaining Brain Retractor