



**SURTEX**  
INSTRUMENTS

*Crafted to Excellence*

Self-Retaining Retractors, for Skull Mounting  
 Retraktoren zur Fixation am Schädel  
 Separadores para la fijación del cráneo  
 Ecarteurs autofixant au crâne  
 Autofissator per retrattori, per il supporto del cranio



**NS-010-01**  
**Yasargil (Leyla) Brain Single Arm Retractor**  
 Complete

**Includes**

- 1 X NS-010-10
- 1 X NS-012-09
- 1 X NS-012-20
- 1 X NS-012-40
- 1 X NS-010-45



**NS-010-02**  
**Yasargil (Leyla) Brain Double Arm Retractor**  
 Complete

**Includes**

- 1 X NS-010-10
- 1 X NS-012-09
- 1 X NS-012-20
- 1 X NS-012-25
- 1 X NS-010-45



**NS-010-10**  
**Yasargil (Leyla) Flexible Arm**  
 Complete

Self-Retaining Retractors, for Skull Mounting  
 Retraktoren zur Fixation am Schädel  
 Separadores para la fijación del cráneo  
 Ecarteurs autofixant au crâne  
 Autofissator per retrattori, per il supporto del cranio



**NS-010-21**  
 Yasargil (Leyla) Fixation Base



**NS-010-22**  
 Yasargil (Leyla) Fixation Base



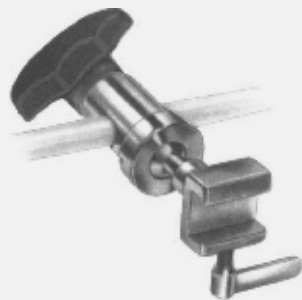
**NS-010-30**  
 Yasargil (Leyla) Fixation Base



**NS-010-40**  
 Yasargil (Leyla) Support For Round Spatulas



**NS-010-45**  
 Yasargil (Leyla) Support For Flat Spatulas



Yasargil (Leyla) Ball and Socket Joint

**NS-012-09**  
 9 x 32 mm

**NS-012-10**  
 10 x 25 mm



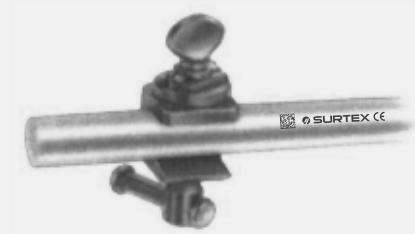
**NS-012-20**  
 Yasargil (Leyla) Holding Rod



Vertebral Distractor  
Wirbeldistraktor  
Distractor vertebral  
Distracteur vertébral  
Distrattore vertebrale



**NS-012-25**  
Yasargil (Leyla) Coupling Head



**NS-012-40**  
Yasargil (Leyla) Coupling Head



**NS-016-01**  
Caspar Vertebral Distractor  
Right, 80 mm



**NS-020-02**  
Caspar Drill Guide  
Right



**NS-022-01**  
Caspar Vertebral Distractor  
Left, 80 mm



**NS-022-02**  
Caspar Drill Guide  
Left

Vertebral Distractor  
Wirbeldistraktor  
Distractor vertebral  
Distracteur vertébral  
Distrattore vertebrale

NS

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**NS-024-00**  
**Caspur Twist Drill**  
Ø 1.7 mm  
Overall Length 14.5 cm (5 ½")



**NS-026-12**  
12.0 mm  
**NS-026-14**  
14.0 mm  
**NS-026-16**  
16.0 mm  
**NS-026-18**  
18.0 mm

**Caspur Distraction Screw**



**NS-028-20**  
**Caspur Screw Driver**  
Overall Length 20 cm (8")

Vertebral Body Dissector, Laminectomy Retractors, Self-Retaining  
Dissektor für Wirbelkörper, Laminektomie-Retraktoren, selbsthaltend  
Disector de cuerpo vertebral, Separadores de laminectomía, autoestáticos  
Dissecteur du corps vertébral, Écarteurs de laminectomie, autostatiques  
Dissettore del corpo vertebrale, Divaricatori per laminectomia, autostatici



**Caspar Vertebral Body Dissector**  
Overall Length 20.5 cm (8")



**NS-029-01**  
Flat Tip



**NS-029-02**  
Bevelled Tip



**Meyerding Hemi-Laminectomy Retractor**  
Overall Length 20 cm (8")

**NS-031-32**  
32 x 25 mm

**NS-031-44**  
44 x 25 mm

**NS-031-54**  
54 x 25 mm

**NS-031-60**  
60 x 25 mm

Laminectomy Retractors, Self-Retaining  
Laminektomie-Reraktoren, selbsthaltend  
Separadores de laminectomia, autoestáticos  
Écarteurs de laminectomie, autostatiques  
Divaricatori per laminectomia, autostatici



- NS-033-40**  
40 x 25 mm
- NS-033-50**  
50 x 25 mm
- NS-033-60**  
60 x 25 mm



- NS-035-40**  
40 x 25 mm
- NS-035-50**  
50 x 25 mm
- NS-035-60**  
60 x 25 mm

**Markham-Meyerdig Hemi-Laminectomy Retractor**  
Right Solid Blade  
Overall Length 20 cm (8")

**Markham-Meyerdig Hemi-Laminectomy Retractor**  
Left Solid Blade  
Overall Length 20 cm (8")



**Williams Discectomy Retractor**  
Overall Length 17 cm (6 3/4")

- NS-037-01**  
10 x 50 mm  
Left Solid Blade
- NS-037-02**  
10 x 60 mm  
Left Solid Blade
- NS-037-03**  
10 x 70 mm  
Left Solid Blade
- NS-037-04**  
20 x 50 mm  
Left Solid Blade
- NS-037-05**  
20 x 60 mm  
Left Solid Blade
- NS-037-06**  
20 x 70 mm  
Left Solid Blade

- NS-039-01**  
10 x 50 mm  
Right Solid Blade
- NS-039-02**  
10 x 60 mm  
Right Solid Blade
- NS-039-03**  
10 x 70 mm  
Right Solid Blade
- NS-039-04**  
20 x 50 mm  
Right Solid Blade
- NS-039-05**  
20 x 60 mm  
Right Solid Blade
- NS-039-06**  
20 x 70 mm  
Right Solid Blade

Wire Saws, Skull Traction Tongs  
 Drahtsägen, Schädelhalter  
 Sierras de hilo, Estribos de tracción craneal  
 Fils-scies, Pinces de traction crânienne  
 Fili sega, Pinze per trazione craniale



**Gigli Wire Saw**

- NS-050-30**  
30 cm (11 3/4")
- NS-050-40**  
40 cm (15 3/4")
- NS-050-50**  
50 cm (19 3/4")
- NS-050-60**  
60 cm (23 1/2")
- NS-050-70**  
70 cm (27 1/2")



**NS-055-00**  
**Gigli Wire Saw Handle**  
Pair



**NS-058-00**  
**De Martel Wire Saw Guide**  
Overall Length 33 cm (13")



**NS-061-01**  
**Crutchfield Skull Traction Tongs**  
Small Pattern



**NS-061-02**  
**Crutchfield Skull Traction Tongs**  
Medium Pattern



Skull Traction Tongs  
Schädelhalter  
Estribos de tracción craneal  
Pincès de traction crânienne  
Pinze per trazione craniale



**NS-065-35**  
3.5 mm

**NS-065-50**  
5.0 mm

**Crutchfield Drill Point**  
Overall Length 7 cm (2 3/4")



**NS-071-00**  
**Skull Traction Tongs**  
Large Pattern



**NS-075-01**  
**Spare Pin**



**NS-075-02**  
**Wrench**

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Cranial Rongeurs  
Schädelzangen  
Pinzas sacabocados craneales  
Pincas emporte-pièces crâniennes  
Pinze per craniectomia



**NS-081-15**  
**Adson Drill Guide & Dura Protector**  
Overall Length 15 cm (6")



**NS-083-21**  
**Bacon Cranial Rongeur**  
Overall Length 21 cm (8 1/4")



**NS-086-20**  
**Adson Cranial Rongeur**  
Overall Length 20 cm (8")

**NS-086-20**  
Straight

**NS-087-20**  
Curved



**NS-091-20**  
**Dahlgren Cranial Rongeur**  
Overall Length 20 cm (8")



**NS-093-21**  
**De Vilbiss Cranial Rongeur**  
Overall Length 20.5 cm (8")

Clips and Applying Forceps  
Clips und Anlegezangen  
Grapas y pinzas aplicadoras  
Clips et pinces pour appliquer  
Agrafes e pinze per applicare

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**NS-095-22**  
**Cone Cranial Punch**  
Overall Length 22.5 cm (8 ¾")



**NS-097-21**  
**Dura Strip Dissection Forcep**  
Angled  
Overall Length 21.5 cm (8 ½")



**NS-100-00**  
**Raney Scalp Clip**  
Pack of 10



**NS-102-00**  
**Raney Applying-Removal Forcep**  
Overall Length 15.5 cm (6")



**NS-112-19**  
**McKenzie Clip Applying Forcep**  
Overall Length 18.5 cm (7 ¼")

Clips and Applying Forceps  
Clips und Anlegezangen  
Grapas y pinzas aplicadoras  
Clips et pinces pour appliquer  
Agrafes e pinze per applicare



**NS-115-14**  
**Olivecrona-Toennis Clip Applying Forcep**  
Shaft Length 140 mm



**NS-118-00**  
**Silver Brain Clip**  
Pack of 100



**NS-120-01**  
Ø 7.0 mm  
31 cm (12 1/8")

**NS-120-02**  
Ø 9.0 mm  
41 cm (16")

**Yasargil Galea Hook**  
Spring

Dissectors  
Dissektoren  
Disecadores  
Dissecteurs  
Dissettori

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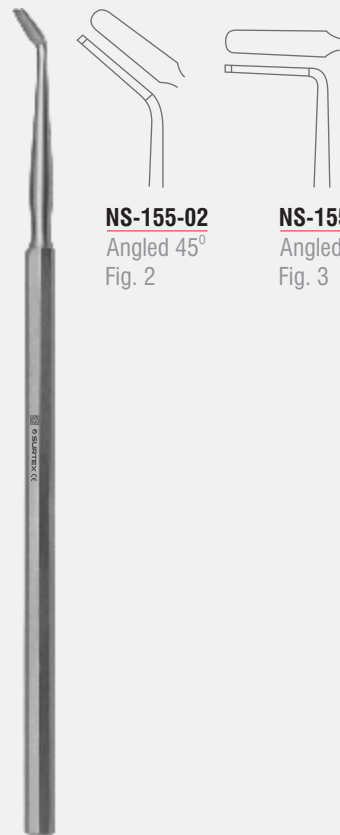
**NS-151-21**  
**Davis Dura Dissector**  
5.5 mm  
Overall Length 21.5 cm (8 1/2")



**NS-153-24**  
**Davis Dura Dissector**  
6.0 mm / 6.0 mm  
Double Ended  
Overall Length  
24.5 cm (9 3/4")



**NS-155-01**  
**Frazier Dura Dissector**  
5 x 19 mm  
Overall Length 15 cm (6")



**Hoen Dura Dissector**  
3.5 x 15 mm  
Overall Length 15 cm (6")

**NS-155-02**  
Angled 45°  
Fig. 2

**NS-155-03**  
Angled 90°  
Fig. 3

Dissectors  
Dissektoren  
Disecadores  
Dissecteurs  
Dissettori



**NS-157-16**  
**Love-Adson Dura Dissector**  
5.5 mm  
Overall Length 16 cm (6 1/2")



**NS-159-26**  
**Toennis Dura Dissector**  
Overall Length 26 cm (10 1/4")



**NS-161-01**  
**Olivecrona Dura Dissector**  
Overall Length 24 cm (9 1/2")



**NS-161-02**  
**Olivecrona Dura Dissector**  
Overall Length 18 cm (7")



Dissectors  
Dissektoren  
Disecadores  
Dissecteurs  
Dissettori

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**NS-161-03**  
**Olivecrona Dura Dissector**  
Overall Length 24 cm (9 1/2")



**NS-161-04**  
**Olivecrona Dura Dissector**  
Overall Length 20.5 cm (8")



**NS-163-21**  
**Sachs Dura Dissector**  
3.5 mm, Sharp  
Overall Length 20.5 cm (8")



**NS-165-21**  
**Milligan Dura Dissector**  
Overall Length 21.5 cm (8 1/2")



Dissectors  
Dissektoren  
Disecadores  
Dissecteurs  
Dissettori



**NS-167-22**  
**Dura Dissector**  
Overall Length 22 cm (8 3/4")



**NS-171-01**  
**Penfield Dura Dissector**  
Fig. 1  
Overall Length 17.5 cm (7")



**NS-171-02**  
**Penfield Dura Dissector**  
Fig. 2  
Overall Length 19.5 cm (7 3/4")



**NS-171-03**  
**Penfield Dura Dissector**  
Fig. 3  
Overall Length 19.5 cm (7 3/4")



Dissectors  
Dissektoren  
Disecadores  
Dissecteurs  
Dissettori

NS

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**NS-171-04**  
**Penfield Dura Dissector**  
3.2 mm  
Fig. 4  
Overall Length 20.5 cm (8")



**NS-171-05**  
**Penfield Dura Dissector**  
6.4 mm / 7.3 mm  
Fig. 5  
Overall Length 18 cm (7")

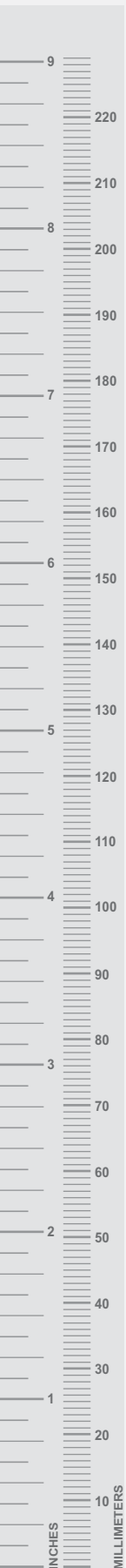


**NS-181-20**  
**Horsley Dura Elevator**  
5.0 mm x 47 mm  
Overall Length 20 cm (8")



**NS-183-21**  
**Sachs Dura Elevator**  
6.0 mm  
Overall Length 21 cm (8 1/4")

Nerve Root Retractors  
Nervwurzelhaken  
Separadores para la raíz de nervio  
Retracteurs pour racines nerveuses  
Uncini per le radici die nervi



**NS-190-21**  
**Love Nerve Root Retractor**  
7.0 mm  
Straight  
Overall Length 21.5 cm (8 1/2")



**NS-191-18**  
**Love Nerve Root Retractor**  
7.0 mm  
Angled 45°  
Overall Length 17.5 cm (7")



**NS-193-11**  
**Love Nerve Root Retractor**  
7.0 mm  
Angled 90°  
Overall Length 11 cm (4 1/4")

Nerve Root Retractors  
Nervwurzelhaken  
Separadores para la raíz de nervio  
Retracteurs pour racines nerveuses  
Uncini per le radici die nervi

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**NS-195-21**  
**Love Nerve Root Retractor**  
4.0 mm  
Overall Length 22 cm (8 3/4")



**Caspar Nerve Root Retractor**  
Overall Length 24 cm (9 1/2")

**NS-196-04**  
4.0 mm

**NS-196-06**  
6.0 mm

**NS-196-08**  
8.0 mm

**NS-196-10**  
10.0 mm



**Hess Nerve Root Retractor**  
Overall Length 17.5 cm (7")

**NS-197-03**  
3.0 mm

**NS-197-05**  
5.0 mm

**NS-197-07**  
7.0 mm

Nerve Root Retractors  
Nervwurzelhaken  
Separadores para la raíz de nervio  
Retracteurs pour racines nerveuses  
Uncini per le radici die nervi



**NS-200-23**  
**Scoville Nerve Root Retractor**  
8.0 mm  
Overall Length 23.5 cm (9 1/4")



**NS-201-24**  
**Holsher Nerve Root Retractor**  
8.0 mm  
Overall Length 23.5 cm (9 1/4")



**NS-203-19**  
**Scoville Nerve Root Retractor**  
8.0 mm  
Overall Length 16.5 cm (6 1/2")

Nerve Root Retractors, Brain Spatulas  
 Nervwurzelhaken, Hirnspatel  
 Separadores para la raiz de nervio, Espátulas cerebrales  
 Retracteurs pour racines nerveuses, Spatules cérébrales  
 Uncini per le radici die nervi, Spatole cerebrali

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**NS-205-21**  
**Campbell Nerve Root Retractor**  
 10.0 mm  
 Malleable  
 Overall Length 21.5 cm (8 1/2")



**Cushing Brain Spatulas**  
 Overall Length 18 cm (7")

- NS-210-07**  
7 + 9 mm
- NS-210-11**  
11 + 13 mm
- NS-210-15**  
15 + 18 mm
- NS-210-18**  
18 + 22 mm

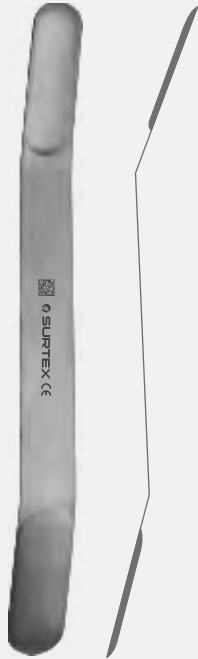


**Olivecrona Brain Spatulas**  
 Convex  
 Overall Length 18 cm (7")

- NS-213-07**  
7 + 9 mm
- NS-213-11**  
11 + 13 mm
- NS-213-15**  
15 + 18 mm
- NS-213-18**  
18 + 22 mm



Brain Spatulas  
Hirnspatel  
Espátulas cerebrales  
Spatules cérébrales  
Spatole cerebrali



- NS-215-07**  
7 + 9 mm
- NS-215-11**  
11 + 13 mm
- NS-215-15**  
15 + 18 mm
- NS-215-18**  
18 + 22 mm

**Olivecrona Brain Spatulas**  
Convex  
Overall Length 18 cm (7")



- NS-218-07**  
7 + 8 mm
- NS-218-10**  
10 + 11 mm
- NS-218-13**  
13 + 14 mm
- NS-218-15**  
15 + 17 mm
- NS-218-17**  
19 + 20 mm
- NS-218-22**  
22 + 22 mm

**Heifetz Brain Spatulas**  
Overall Length 20 cm (8")



- NS-221-08**  
8.0 mm
- NS-221-11**  
11.0 mm
- NS-221-14**  
14.0 mm
- NS-221-17**  
17.0 mm
- NS-221-20**  
20.0 mm

**Heifetz Brain Spatulas**  
Round Handle  
Overall Length 20 cm (8")



- NS-224-12**  
12.0 mm
- NS-224-17**  
17.0 mm

**Brain Spatulas**  
Malleable  
Overall Length 20 cm (8")



- NS-226-13**  
6/13 mm
- NS-226-17**  
9/17 mm

**Brain Spatulas Conical**  
Malleable  
Overall Length 20 cm (8")

Nerve Hooks  
Nervhaken  
Ganchos para nervios  
Crochets à nerfs  
Uncini per nervi



**NS-231-17**  
17 cm (6 3/4")

**NS-233-21**  
21 cm (8 1/4")

**Smithwick Nerve Hook**



**NS-234-20**  
4.0 mm  
Sharp

**NS-235-20**  
4.0 mm  
Blunt

**Adson Dura Hook**  
Overall Length 20 cm (8")



**NS-236-01**  
3.0 mm  
Sharp

**NS-236-02**  
3.0 mm  
Blunt

**Cairns Dura Hook**  
Overall Length 12.5 cm (5")



**NS-237-16**  
**Graham Dura Hook**  
Blunt  
Overall Length 16.5 cm (6 1/2")



**NS-239-18**  
**Sachs Dura Hook**  
Sharp  
Overall Length 18 cm (7")



Nerve Hooks  
Nervhaken  
Ganchos para nervios  
Crochets à nerfs  
Uncini per nervi



**NS-241-18**  
**Frazier Dura Hook**  
Sharp  
Overall Length 18 cm (7")



**NS-245-22**  
**Hoen Nerve Retractor**  
6.0 mm  
Overall Length 22 cm (8 3/4")



**Dandy Nerve Retractor**  
Overall Length 20 cm (8")

**NS-251-01**  
5.0 mm  
Straight



**NS-251-02**  
5.0 mm  
Right



**NS-251-03**  
5.0 mm  
Left





Dura Knives  
Duramesser  
Bisturís para duramadre  
Bistouries pour duremère  
Bisturi per duramadre

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**NS-253-29**  
**Smithwick Nerve Retractor**  
1.0 mm x 10.0 mm / 5.0 mm  
Semi Sharp  
Overall Length 29 cm (11 ½")



**NS-261-15**  
**Toennis Nerve Retractor**  
Overall Length 15 cm (6")

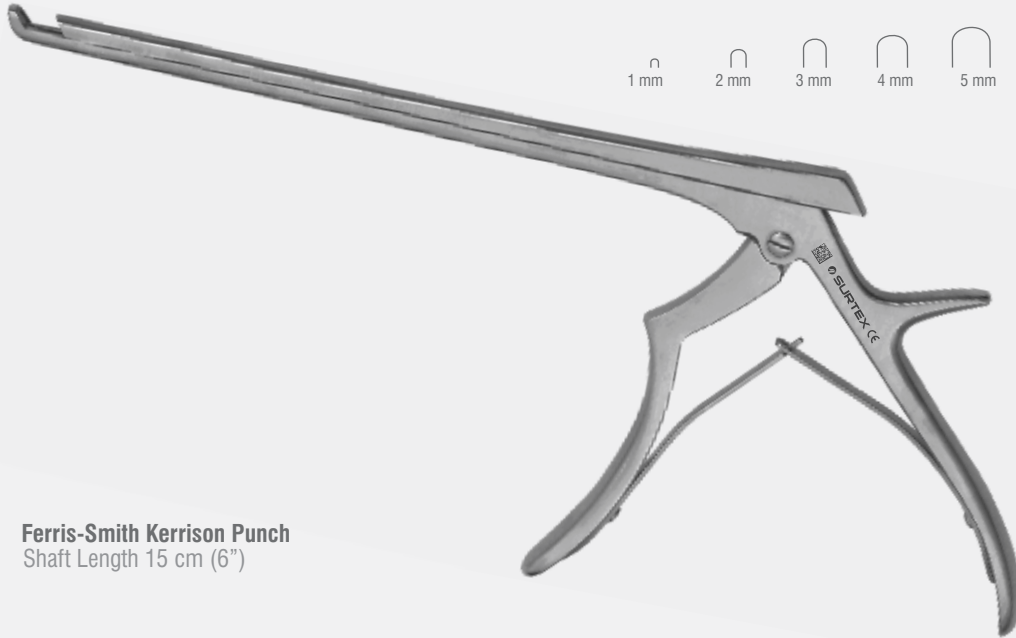


**NS-280-18**  
**Toennis Brain Knife**  
Overall Length 18 cm (7")







**NS-282-20**  
**Halle Brain Knife**  
Overall Length 20 cm (8")

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomia  
Pincas emporte-pièces à laminectomie  
Pinze taglianti per laminectomia



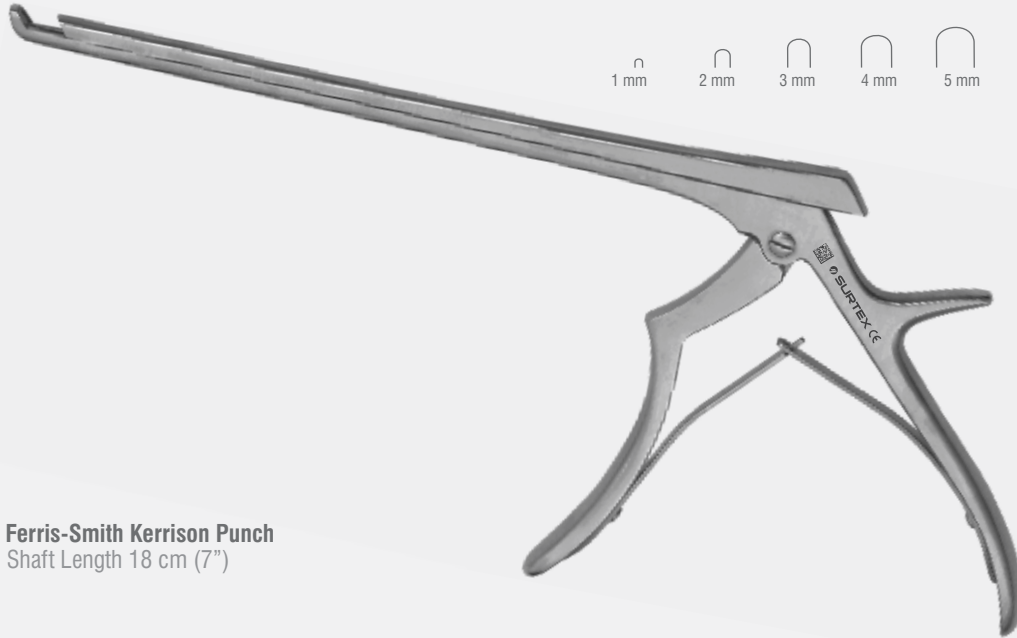
**Ferris-Smith Kerrison Punch**  
Shaft Length 15 cm (6")

 Up Cutting	 Down Cutting	 40° Forward Up Cutting (40°/ 130°)	 40° Forward Down Cutting				
<b>NS-300-01</b> 1.0 mm Regular	<b>NS-300-01 T</b> 1.0 mm Thin Footplate	<b>NS-301-01</b> 1.0 mm Regular	<b>NS-301-01 T</b> 1.0 mm Thin Footplate	<b>NS-302-01</b> 1.0 mm Regular	<b>NS-302-01 T</b> 1.0 mm Thin Footplate	<b>NS-303-01</b> 1.0 mm Regular	<b>NS-303-01 T</b> 1.0 mm Thin Footplate
<b>NS-300-02</b> 2.0 mm Regular	<b>NS-300-02 T</b> 2.0 mm Thin Footplate	<b>NS-301-02</b> 2.0 mm Regular	<b>NS-301-02 T</b> 2.0 mm Thin Footplate	<b>NS-302-02</b> 2.0 mm Regular	<b>NS-302-02 T</b> 2.0 mm Thin Footplate	<b>NS-303-02</b> 2.0 mm Regular	<b>NS-303-02 T</b> 2.0 mm Thin Footplate
<b>NS-300-03</b> 3.0 mm Regular	<b>NS-300-03 T</b> 3.0 mm Thin Footplate	<b>NS-301-03</b> 3.0 mm Regular	<b>NS-301-03 T</b> 3.0 mm Thin Footplate	<b>NS-302-03</b> 3.0 mm Regular	<b>NS-302-03 T</b> 3.0 mm Thin Footplate	<b>NS-303-03</b> 3.0 mm Regular	<b>NS-303-03 T</b> 3.0 mm Thin Footplate
<b>NS-300-04</b> 4.0 mm Regular	<b>NS-300-04 T</b> 4.0 mm Thin Footplate	<b>NS-301-04</b> 4.0 mm Regular	<b>NS-301-04 T</b> 4.0 mm Thin Footplate	<b>NS-302-04</b> 4.0 mm Regular	<b>NS-302-04 T</b> 4.0 mm Thin Footplate	<b>NS-303-04</b> 4.0 mm Regular	<b>NS-303-04 T</b> 4.0 mm Thin Footplate
<b>NS-300-05</b> 5.0 mm Regular	<b>NS-300-05 T</b> 5.0 mm Thin Footplate	<b>NS-301-05</b> 5.0 mm Regular	<b>NS-301-05 T</b> 5.0 mm Thin Footplate	<b>NS-302-05</b> 5.0 mm Regular	<b>NS-302-05 T</b> 5.0 mm Thin Footplate	<b>NS-303-05</b> 5.0 mm Regular	<b>NS-303-05 T</b> 5.0 mm Thin Footplate

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomía  
Pinces emporte-pièces à laminectomie  
Pinze taglienti per laminectomia

NS

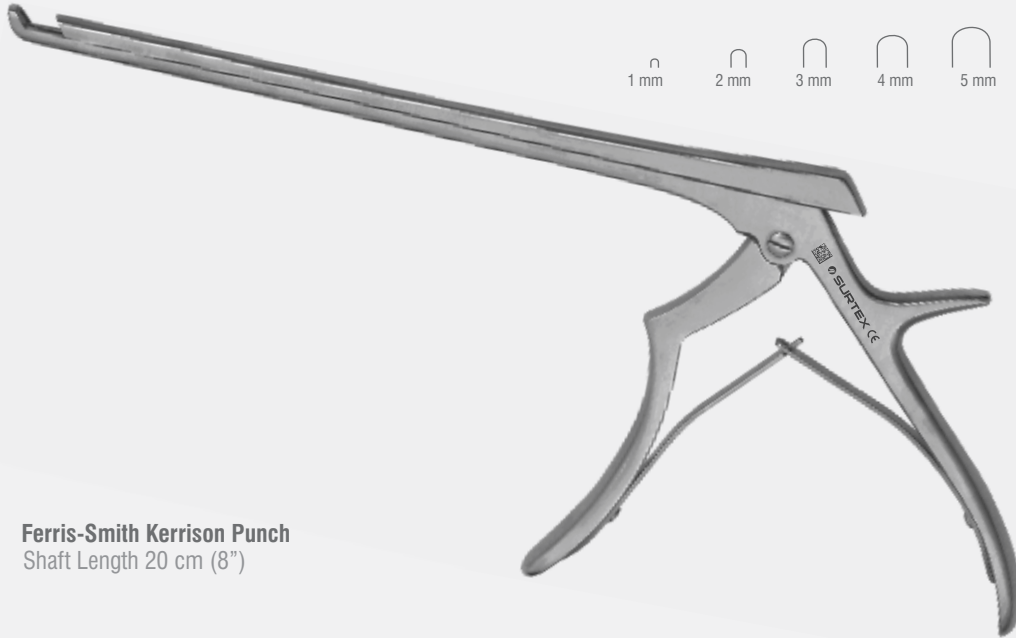
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**Ferris-Smith Kerrison Punch**  
Shaft Length 18 cm (7")

Up Cutting		Down Cutting		40° Forward Up Cutting (40°/ 130°)		40° Forward Down Cutting	
<b>NS-304-01</b> 1.0 mm Regular	<b>NS-304-01 T</b> 1.0 mm Thin Footplate	<b>NS-305-01</b> 1.0 mm Regular	<b>NS-305-01 T</b> 1.0 mm Thin Footplate	<b>NS-306-01</b> 1.0 mm Regular	<b>NS-306-01 T</b> 1.0 mm Thin Footplate	<b>NS-307-01</b> 1.0 mm Regular	<b>NS-307-01 T</b> 1.0 mm Thin Footplate
<b>NS-304-02</b> 2.0 mm Regular	<b>NS-304-02 T</b> 2.0 mm Thin Footplate	<b>NS-305-02</b> 2.0 mm Regular	<b>NS-305-02 T</b> 2.0 mm Thin Footplate	<b>NS-306-02</b> 2.0 mm Regular	<b>NS-306-02 T</b> 2.0 mm Thin Footplate	<b>NS-307-02</b> 2.0 mm Regular	<b>NS-307-02 T</b> 2.0 mm Thin Footplate
<b>NS-304-03</b> 3.0 mm Regular	<b>NS-304-03 T</b> 3.0 mm Thin Footplate	<b>NS-305-03</b> 3.0 mm Regular	<b>NS-305-03 T</b> 3.0 mm Thin Footplate	<b>NS-306-03</b> 3.0 mm Regular	<b>NS-306-03 T</b> 3.0 mm Thin Footplate	<b>NS-307-03</b> 3.0 mm Regular	<b>NS-307-03 T</b> 3.0 mm Thin Footplate
<b>NS-304-04</b> 4.0 mm Regular	<b>NS-304-04 T</b> 4.0 mm Thin Footplate	<b>NS-305-04</b> 4.0 mm Regular	<b>NS-305-04 T</b> 4.0 mm Thin Footplate	<b>NS-306-04</b> 4.0 mm Regular	<b>NS-306-04 T</b> 4.0 mm Thin Footplate	<b>NS-307-04</b> 4.0 mm Regular	<b>NS-307-04 T</b> 4.0 mm Thin Footplate
<b>NS-304-05</b> 5.0 mm Regular	<b>NS-304-05 T</b> 5.0 mm Thin Footplate	<b>NS-305-05</b> 5.0 mm Regular	<b>NS-305-05 T</b> 5.0 mm Thin Footplate	<b>NS-306-05</b> 5.0 mm Regular	<b>NS-306-05 T</b> 5.0 mm Thin Footplate	<b>NS-307-05</b> 5.0 mm Regular	<b>NS-307-05 T</b> 5.0 mm Thin Footplate

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomia  
Pincas emporte-pièces à laminectomie  
Pinze taglianti per laminectomia



**Ferris-Smith Kerrison Punch**  
Shaft Length 20 cm (8")

 Up Cutting	 Down Cutting	 40° Forward Up Cutting (40°/ 130°)	 40° Forward Down Cutting				
<b>NS-308-01</b> 1.0 mm Regular	<b>NS-308-01 T</b> 1.0 mm Thin Footplate	<b>NS-309-01</b> 1.0 mm Regular	<b>NS-309-01 T</b> 1.0 mm Thin Footplate	<b>NS-310-01</b> 1.0 mm Regular	<b>NS-310-01 T</b> 1.0 mm Thin Footplate	<b>NS-311-01</b> 1.0 mm Regular	<b>NS-311-01 T</b> 1.0 mm Thin Footplate
<b>NS-308-02</b> 2.0 mm Regular	<b>NS-308-02 T</b> 2.0 mm Thin Footplate	<b>NS-309-02</b> 2.0 mm Regular	<b>NS-309-02 T</b> 2.0 mm Thin Footplate	<b>NS-310-02</b> 2.0 mm Regular	<b>NS-310-02 T</b> 2.0 mm Thin Footplate	<b>NS-311-02</b> 2.0 mm Regular	<b>NS-311-02 T</b> 2.0 mm Thin Footplate
<b>NS-308-03</b> 3.0 mm Regular	<b>NS-308-03 T</b> 3.0 mm Thin Footplate	<b>NS-309-03</b> 3.0 mm Regular	<b>NS-309-03 T</b> 3.0 mm Thin Footplate	<b>NS-310-03</b> 3.0 mm Regular	<b>NS-310-03 T</b> 3.0 mm Thin Footplate	<b>NS-311-03</b> 3.0 mm Regular	<b>NS-311-03 T</b> 3.0 mm Thin Footplate
<b>NS-308-04</b> 4.0 mm Regular	<b>NS-308-04 T</b> 4.0 mm Thin Footplate	<b>NS-309-04</b> 4.0 mm Regular	<b>NS-309-04 T</b> 4.0 mm Thin Footplate	<b>NS-310-04</b> 4.0 mm Regular	<b>NS-310-04 T</b> 4.0 mm Thin Footplate	<b>NS-311-04</b> 4.0 mm Regular	<b>NS-311-04 T</b> 4.0 mm Thin Footplate
<b>NS-308-05</b> 5.0 mm Regular	<b>NS-308-05 T</b> 5.0 mm Thin Footplate	<b>NS-309-05</b> 5.0 mm Regular	<b>NS-309-05 T</b> 5.0 mm Thin Footplate	<b>NS-310-05</b> 5.0 mm Regular	<b>NS-310-05 T</b> 5.0 mm Thin Footplate	<b>NS-311-05</b> 5.0 mm Regular	<b>NS-311-05 T</b> 5.0 mm Thin Footplate

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomía  
Pinces emporte-pièces à laminectomie  
Pinze taglienti per laminectomia

NS

NEUROSURGERY



**Ferris-Smith Kerrison Punch**  
Detachable Model  
Shaft Length 18 cm (7")



**NS-320-01**  
1.0 mm

**NS-320-02**  
2.0 mm

**NS-320-03**  
3.0 mm

**NS-320-04**  
4.0 mm

**NS-320-05**  
5.0 mm

**NS-321-01**  
1.0 mm

**NS-321-02**  
2.0 mm

**NS-321-03**  
3.0 mm

**NS-321-04**  
4.0 mm

**NS-321-05**  
5.0 mm

**NS-322-01**  
1.0 mm

**NS-322-02**  
2.0 mm

**NS-322-03**  
3.0 mm

**NS-322-04**  
4.0 mm

**NS-322-05**  
5.0 mm

**NS-323-01**  
1.0 mm

**NS-323-02**  
2.0 mm

**NS-323-03**  
3.0 mm

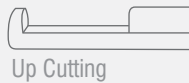
**NS-323-04**  
4.0 mm

**NS-323-05**  
5.0 mm

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomia  
Pinces emporte-pièces à laminectomie  
Pinze taglianti per laminectomia



**Ferris-Smith Kerrison Punch**  
Thin Footplate, Detachable Model  
Shaft Length 18 cm (7")



Up Cutting



Down Cutting



40° Forward  
Up Cutting (40°/ 130°)



40° Forward  
Down Cutting

**NS-320-01 T**  
1.0 mm

**NS-320-02 T**  
2.0 mm

**NS-320-03 T**  
3.0 mm

**NS-320-04 T**  
4.0 mm

**NS-320-05 T**  
5.0 mm

**NS-321-01 T**  
1.0 mm

**NS-321-02 T**  
2.0 mm

**NS-321-03 T**  
3.0 mm

**NS-321-04 T**  
4.0 mm

**NS-321-05 T**  
5.0 mm

**NS-322-01 T**  
1.0 mm

**NS-322-02 T**  
2.0 mm

**NS-322-03 T**  
3.0 mm

**NS-322-04 T**  
4.0 mm

**NS-322-05 T**  
5.0 mm

**NS-323-01 T**  
1.0 mm

**NS-323-02 T**  
2.0 mm

**NS-323-03 T**  
3.0 mm

**NS-323-04 T**  
4.0 mm

**NS-323-05 T**  
5.0 mm

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomía  
Pincas emporte-pièces à laminectomie  
Pinze taglienti per laminectomia

NS

NEUROSURGERY



**Ferris-Smith Kerrison Punch**  
With Ejector, Detachable Model  
Shaft Length 18 cm (7")



Up Cutting

**NS-320-03 E**  
3.0 mm

**NS-320-04 E**  
4.0 mm

**NS-320-05 E**  
5.0 mm



Down Cutting

**NS-321-03 E**  
3.0 mm

**NS-321-04 E**  
4.0 mm

**NS-321-05 E**  
5.0 mm



40° Forward  
Up Cutting (40°/ 130°)

**NS-322-03 E**  
3.0 mm

**NS-322-04 E**  
4.0 mm

**NS-322-05 E**  
5.0 mm



40° Forward  
Down Cutting

**NS-323-03 E**  
3.0 mm

**NS-323-04 E**  
4.0 mm

**NS-323-05 E**  
5.0 mm

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomia  
Pincas emporte-pièces à laminectomie  
Pinze taglianti per laminectomia



**Ferris-Smith Kerrison Punch**  
Thin Footplate With Ejector, Detachable Model  
Shaft Length 18 cm (7")



Up Cutting

**NS-320-03 TE**  
3.0 mm

**NS-320-04 TE**  
4.0 mm

**NS-320-05 TE**  
5.0 mm



Down Cutting

**NS-321-03 TE**  
3.0 mm

**NS-321-04 TE**  
4.0 mm

**NS-321-05 TE**  
5.0 mm



40° Forward  
Up Cutting (40°/ 130°)

**NS-322-03 TE**  
3.0 mm

**NS-322-04 TE**  
4.0 mm

**NS-322-05 TE**  
5.0 mm



40° Forward  
Down Cutting

**NS-323-03 TE**  
3.0 mm

**NS-323-04 TE**  
4.0 mm

**NS-323-05 TE**  
5.0 mm



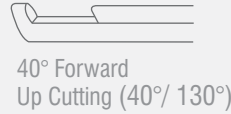
Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomía  
Pinces emporte-pièces à laminectomie  
Pinze taglienti per laminectomia

NS

NEUROSURGERY



**Ferris-Smith Kerrison Punch**  
Detachable Model  
Shaft Length 20 cm (8")



**NS-324-01**  
1.0 mm

**NS-324-02**  
2.0 mm

**NS-324-03**  
3.0 mm

**NS-324-04**  
4.0 mm

**NS-324-05**  
5.0 mm

**NS-325-01**  
1.0 mm

**NS-325-02**  
2.0 mm

**NS-325-03**  
3.0 mm

**NS-325-04**  
4.0 mm

**NS-325-05**  
5.0 mm

**NS-326-01**  
1.0 mm

**NS-326-02**  
2.0 mm

**NS-326-03**  
3.0 mm

**NS-326-04**  
4.0 mm

**NS-326-05**  
5.0 mm

**NS-327-01**  
1.0 mm

**NS-327-02**  
2.0 mm

**NS-327-03**  
3.0 mm

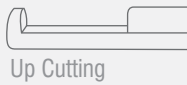
**NS-327-04**  
4.0 mm

**NS-327-05**  
5.0 mm

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomia  
Pinces emporte-pièces à laminectomie  
Pinze taglianti per laminectomia



**Ferris-Smith Kerrison Punch**  
With Ejector, Detachable Model  
Shaft Length 20 cm (8")



Up Cutting

**NS-324-03 E**

3.0 mm

**NS-324-04 E**

4.0 mm

**NS-324-05 E**

5.0 mm



Down Cutting

**NS-325-03 E**

3.0 mm

**NS-325-04 E**

4.0 mm

**NS-325-05 E**

5.0 mm



40° Forward  
Up Cutting (40°/ 130°)

**NS-326-03 E**

3.0 mm

**NS-326-04 E**

4.0 mm

**NS-326-05 E**

5.0 mm



40° Forward  
Down Cutting

**NS-327-03 E**

3.0 mm

**NS-327-04 E**

4.0 mm

**NS-327-05 E**

5.0 mm

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomía  
Pincas emporte-pièces à laminectomie  
Pinze taglienti per laminectomia

NS

NEUROSURGERY



**Ferris-Smith Kerrison Punch**  
Thin Footplate, Detachable Model  
Shaft Length 20 cm (8")



**NS-324-01 T**  
1.0 mm

**NS-324-02 T**  
2.0 mm

**NS-324-03 T**  
3.0 mm

**NS-324-04 T**  
4.0 mm

**NS-324-05 T**  
5.0 mm



**NS-325-01 T**  
1.0 mm

**NS-325-02 T**  
2.0 mm

**NS-325-03 T**  
3.0 mm

**NS-325-04 T**  
4.0 mm

**NS-325-05 T**  
5.0 mm



**NS-326-01 T**  
1.0 mm

**NS-326-02 T**  
2.0 mm

**NS-326-03 T**  
3.0 mm

**NS-326-04 T**  
4.0 mm

**NS-326-05 T**  
5.0 mm



**NS-327-01 T**  
1.0 mm

**NS-327-02 T**  
2.0 mm

**NS-327-03 T**  
3.0 mm

**NS-327-04 T**  
4.0 mm

**NS-327-05 T**  
5.0 mm

Laminectomy Punches  
Laminektomiestanzen  
Pinzas cortantes para laminectomia  
Pinces emporte-pièces à laminectomie  
Pinze taglianti per laminectomia



**Ferris-Smith Kerrison Punch**  
Thin Footplate With Ejector, Detachable Model  
Shaft Length 20 cm (8")



Up Cutting

**NS-324-03 TE**  
3.0 mm

**NS-324-04 TE**  
4.0 mm

**NS-324-05 TE**  
5.0 mm



Down Cutting

**NS-325-03 TE**  
3.0 mm

**NS-325-04 TE**  
4.0 mm

**NS-325-05 TE**  
5.0 mm



40° Forward  
Up Cutting (40°/ 130°)

**NS-326-03 TE**  
3.0 mm

**NS-326-04 TE**  
4.0 mm

**NS-326-05 TE**  
5.0 mm



40° Forward  
Down Cutting

**NS-327-03 TE**  
3.0 mm

**NS-327-04 TE**  
4.0 mm

**NS-327-05 TE**  
5.0 mm

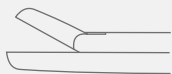
Rongeurs  
Rongeur  
Pinzas cortantes  
Rongeurs  
Pinze per afferrare

NS

NEUROSURGERY



**Cushing Laminectomy Rongeur**



**NS-400-01**  
Straight  
2 x 10 mm

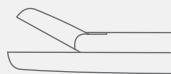


**NS-400-02**  
Up  
2 x 10 mm



**NS-400-03**  
Down  
2 x 10 mm

Shaft Length 13 cm (5")



**NS-401-01**  
Straight  
2 x 10 mm

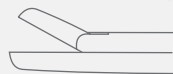


**NS-401-02**  
Up  
2 x 10 mm



**NS-401-03**  
Down  
2 x 10 mm

Shaft Length 15 cm (6")



**NS-402-01**  
Straight  
2 x 10 mm

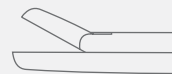


**NS-402-02**  
Up  
2 x 10 mm



**NS-402-03**  
Down  
2 x 10 mm

Shaft Length 18 cm (7")



**NS-403-01**  
Straight  
2 x 10 mm



**NS-403-02**  
Up  
2 x 10 mm



**NS-403-03**  
Down  
2 x 10 mm

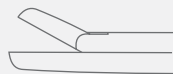
Shaft Length 20 cm (8")



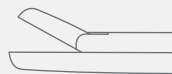
Rongeurs  
Rongeur  
Pinzas cortantes  
Rongeurs  
Pinze per afferrare



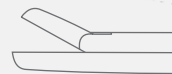
**Love-Gruenwald Laminectomy Rongeur**



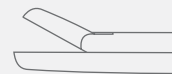
**NS-404-01**  
Straight  
3 x 10 mm



**NS-405-01**  
Straight  
3 x 10 mm



**NS-406-01**  
Straight  
3 x 10 mm



**NS-407-01**  
Straight  
3 x 10 mm



**NS-404-02**  
Up  
3 x 10 mm



**NS-405-02**  
Up  
3 x 10 mm



**NS-406-02**  
Up  
3 x 10 mm



**NS-407-02**  
Up  
3 x 10 mm



**NS-404-03**  
Down  
3 x 10 mm



**NS-405-03**  
Down  
3 x 10 mm



**NS-406-03**  
Down  
3 x 10 mm



**NS-407-03**  
Down  
3 x 10 mm

Shaft Length 13 cm (5")

Shaft Length 15 cm (6")

Shaft Length 18 cm (7")

Shaft Length 20 cm (8")

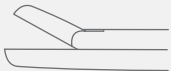
Rongeurs  
Rongeur  
Pinzas cortantes  
Rongeurs  
Pinze per afferrare

NS

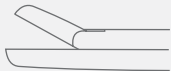
NEUROSURGERY



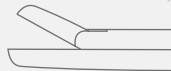
**Spurling Laminectomy Rongeur**



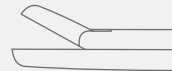
**NS-408-01**  
Straight  
4 x 10 mm



**NS-409-01**  
Straight  
4 x 10 mm



**NS-410-01**  
Straight  
4 x 10 mm



**NS-411-01**  
Straight  
4 x 10 mm



**NS-408-02**  
Up  
4 x 10 mm



**NS-409-02**  
Up  
4 x 10 mm



**NS-410-02**  
Up  
4 x 10 mm



**NS-411-02**  
Up  
4 x 10 mm



**NS-408-03**  
Down  
4 x 10 mm



**NS-409-03**  
Down  
4 x 10 mm



**NS-410-03**  
Down  
4 x 10 mm



**NS-411-03**  
Down  
4 x 10 mm

Shaft Length 13 cm (5")

Shaft Length 15 cm (6")

Shaft Length 18 cm (7")

Shaft Length 20 cm (8")



Rongeurs  
Rongeur  
Pinzas cortantes  
Rongeurs  
Pinze per afferrare



**Caspar Laminectomy Rongeur**  
Fenestrated and Serrated Jaws  
Shaft Length 18 cm (7")



**NS-440-01**  
Straight  
2 x 12 mm



**NS-441-01**  
Straight  
3 x 12 mm



**NS-442-01**  
Straight  
4 x 14 mm



**NS-443-01**  
Straight  
5 x 14 mm



**NS-444-01**  
Straight  
6 x 14 mm



**NS-440-02**  
Up  
2 x 12 mm



**NS-441-02**  
Up  
3 x 12 mm



**NS-442-02**  
Up  
4 x 14 mm



**NS-443-02**  
Up  
5 x 14 mm



**NS-444-02**  
Up  
6 x 14 mm



**NS-440-03**  
Down  
2 x 12 mm



**NS-441-03**  
Down  
3 x 12 mm



**NS-442-03**  
Down  
4 x 14 mm



**NS-443-03**  
Down  
5 x 14 mm



**NS-444-03**  
Down  
6 x 14 mm



Laminektomieezangen  
Laminectomy Rongeurs  
Pinzas para laminectomía  
Pincas pour laminectomie  
Pinze per laminectomia

NS

NEUROSURGERY



**Schlesinger Laminectomy Rongeur**  
Serrated Jaws  
Shaft Length 13 cm (5")



**NS-451-02**  
2 x 10 mm



**NS-451-03**  
3 x 10 mm



**NS-451-04**  
4 x 10 mm



**NS-461-22**  
Ø 2.2 mm

**NS-461-35**  
Ø 3.5 mm

**NS-461-50**  
Ø 5.0 mm

**Yasargil Tumor Grasping Forcep**  
Shaft Length 20 cm (8")



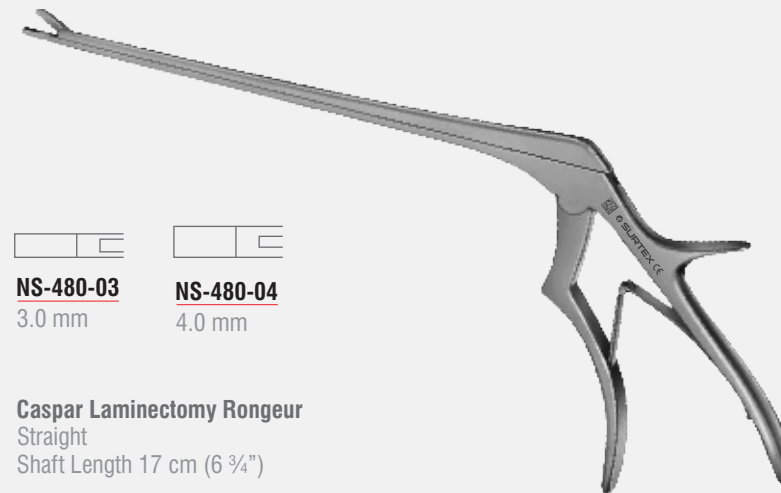
**NS-463-60**  
**Oldberg Tumor Grasping Forcep**  
Ø 6.5 mm  
Shaft Length 18 cm (7")



Laminektomieezangen  
Laminectomy Rongeurs  
Pinzas para laminectomia  
Pincas pour laminectomie  
Pinze per laminectomia



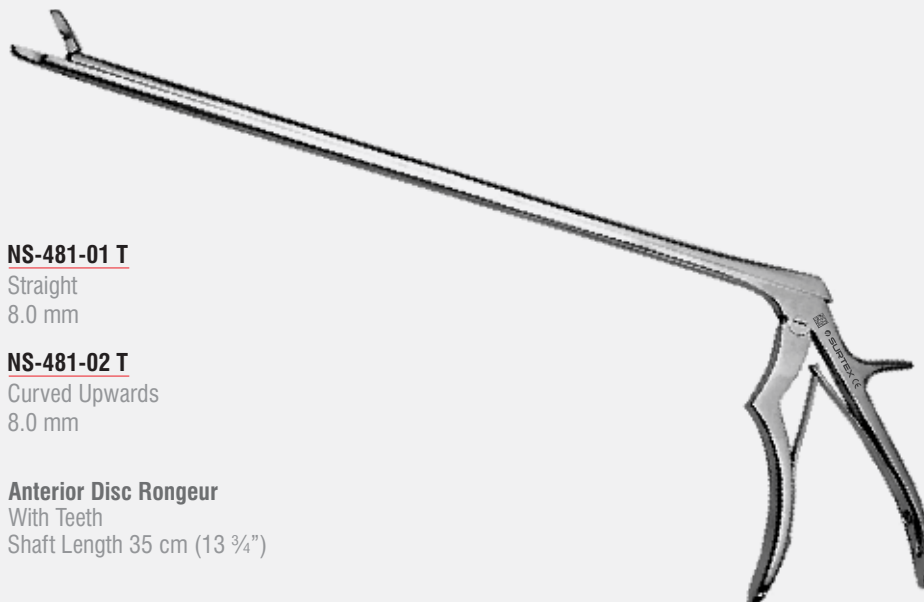
**NS-465-90**  
**Landolt Tumor Grasping Forcep**  
Ø 9.0 mm  
Shaft Length 21 cm (8 ¼")



**NS-480-03**  
3.0 mm

**NS-480-04**  
4.0 mm

**Caspar Laminectomy Rongeur**  
Straight  
Shaft Length 17 cm (6 ¾")



**NS-481-01 T**  
Straight  
8.0 mm

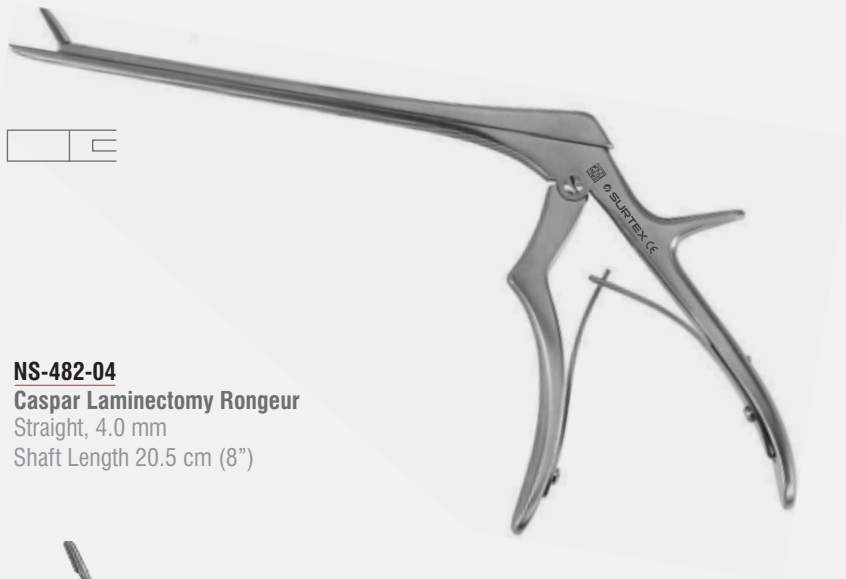
**NS-481-02 T**  
Curved Upwards  
8.0 mm

**Anterior Disc Rongeur**  
With Teeth  
Shaft Length 35 cm (13 ¾")

Laminektomieezangen  
Laminectomy Rongeurs  
Pinzas para laminectomia  
Pinces pour laminectomie  
Pinze per laminectomia

NS

NEUROSURGERY



**NS-482-04**  
**Caspar Laminectomy Rongeur**  
Straight, 4.0 mm  
Shaft Length 20.5 cm (8")



**NS-484-05**  
**Wagner Laminectomy Rongeur**  
Straight, 5.5 mm  
Shaft Length 20.5 cm (8")



**NS-488-05**  
**Wagner Laminectomy Rongeur**  
Straight, 5.5 mm  
Shaft Length 20.5 cm (8")



Rongeurs  
Rongeur  
Pinzas cortantes  
Rongeurs  
Pinze per afferrare



**NS-492-02**  
**Sypert Laminectomy Rongeur**  
Curved Upwards, 5.8 mm  
Shaft Length 25 cm (10")

Microdissectomy Curettes  
 Mikrodisektomie-Küretten  
 Curetas para microdissectomía  
 Curettes de microdissectomie  
 Curette per microdissectomia

NS

NEUROSURGERY



<p><b>NS-501-01</b>                      Angled Forward                      Straight Tip, Fig. 1                      21.5 cm (8 ½")</p>	<p><b>NS-501-01 L</b>                      Angled Forward                      Straight Tip, Fig. 1                      24 cm (9 ½")</p>	<p><b>NS-501-02</b>                      Angled Forward                      Straight Tip, Fig. 2                      21.5 cm (8 ½")</p>	<p><b>NS-501-02 L</b>                      Angled Forward                      Straight Tip, Fig. 2                      24 cm (9 ½")</p>
<p><b>NS-501-03</b>                      Angled Forward                      Straight Tip, Fig. 3                      21.5 cm (8 ½")</p>	<p><b>NS-501-03 L</b>                      Angled Forward                      Straight Tip, Fig. 3                      24 cm (9 ½")</p>	<p><b>NS-501-04</b>                      Angled Forward                      Straight Tip, Fig. 4                      21.5 cm (8 ½")</p>	<p><b>NS-501-04 L</b>                      Angled Forward                      Straight Tip, Fig. 4                      24 cm (9 ½")</p>
<p><b>NS-503-01</b>                      Angled Forward                      Curved Tip, Fig. 1                      21.5 cm (8 ½")</p>	<p><b>NS-503-01 L</b>                      Angled Forward                      Curved Tip, Fig. 1                      24 cm (9 ½")</p>	<p><b>NS-503-02</b>                      Angled Forward                      Curved Tip, Fig. 2                      21.5 cm (8 ½")</p>	<p><b>NS-503-02 L</b>                      Angled Forward                      Curved Tip, Fig. 2                      24 cm (9 ½")</p>
<p><b>NS-503-03</b>                      Angled Forward                      Curved Tip, Fig. 3                      21.5 cm (8 ½")</p>	<p><b>NS-503-03 L</b>                      Angled Forward                      Curved Tip, Fig. 3                      24 cm (9 ½")</p>	<p><b>NS-503-04</b>                      Angled Forward                      Curved Tip, Fig. 4                      21.5 cm (8 ½")</p>	<p><b>NS-503-04 L</b>                      Angled Forward                      Curved Tip, Fig. 4                      24 cm (9 ½")</p>
<p><b>NS-505-01</b>                      Angled Backward                      Straight Tip, Fig. 1                      21.5 cm (8 ½")</p>	<p><b>NS-505-01 L</b>                      Angled Backward                      Straight Tip, Fig. 1                      24 cm (9 ½")</p>	<p><b>NS-505-02</b>                      Angled Backward                      Straight Tip, Fig. 2                      21.5 cm (8 ½")</p>	<p><b>NS-505-02 L</b>                      Angled Backward                      Straight Tip, Fig. 2                      24 cm (9 ½")</p>
<p><b>NS-505-03</b>                      Angled Backward                      Straight Tip, Fig. 3                      21.5 cm (8 ½")</p>	<p><b>NS-505-03 L</b>                      Angled Backward                      Straight Tip, Fig. 3                      24 cm (9 ½")</p>	<p><b>NS-505-04</b>                      Angled Backward                      Straight Tip, Fig. 4                      21.5 cm (8 ½")</p>	<p><b>NS-505-04 L</b>                      Angled Backward                      Straight Tip, Fig. 4                      24 cm (9 ½")</p>
<p><b>NS-507-01</b>                      Angled Backward                      Curved Tip, Fig. 1                      21.5 cm (8 ½")</p>	<p><b>NS-507-01 L</b>                      Angled Backward                      Curved Tip, Fig. 1                      24 cm (9 ½")</p>	<p><b>NS-507-02</b>                      Angled Backward                      Curved Tip, Fig. 2                      21.5 cm (8 ½")</p>	<p><b>NS-507-02 L</b>                      Angled Backward                      Curved Tip, Fig. 2                      24 cm (9 ½")</p>
<p><b>NS-507-03</b>                      Angled Backward                      Curved Tip, Fig. 3                      21.5 cm (8 ½")</p>	<p><b>NS-507-03 L</b>                      Angled Backward                      Curved Tip, Fig. 3                      24 cm (9 ½")</p>	<p><b>NS-507-04</b>                      Angled Backward                      Curved Tip, Fig. 4                      21.5 cm (8 ½")</p>	<p><b>NS-507-04 L</b>                      Angled Backward                      Curved Tip, Fig. 4                      24 cm (9 ½")</p>

**Cervical Microdissectomy Curette**  
 Overall Length 24 cm (9 ½")

Microdissectomy Currettes  
Mikrodissektomie-Küretten  
Curetas para microdissectomía  
Currettes de microdissectomie  
Curette per microdissectomia



**Lumbar Microdissectomy Curette**  
Overall Length 24 cm (9 1/2")

**NS-509-00**  
Angled Forward  
Straight Tip, Fig. 0

**NS-515-00**  
Angled Backward  
Straight Tip, Fig. 0

**NS-509-01**  
Angled Forward  
Straight Tip, Fig. 1

**NS-515-01**  
Angled Backward  
Straight Tip, Fig. 1

**NS-509-02**  
Angled Forward  
Straight Tip, Fig. 2

**NS-515-02**  
Angled Backward  
Straight Tip, Fig. 2

**NS-511-00**  
Angled Forward  
Curved Tip, Fig. 0

**NS-517-00**  
Angled Backward  
Curved Tip, Fig. 0

**NS-511-01**  
Angled Forward  
Curved Tip, Fig. 1

**NS-517-01**  
Angled Backward  
Curved Tip, Fig. 1

**NS-511-02**  
Angled Forward  
Curved Tip, Fig. 2

**NS-517-02**  
Angled Backward  
Curved Tip, Fig. 2

**NS-513-00**  
Angled Forward  
Reverse Curved Tip, Fig. 0

**NS-519-00**  
Angled Backward  
Reverse Curved Tip, Fig. 0

**NS-513-01**  
Angled Forward  
Reverse Curved Tip, Fig. 1

**NS-519-01**  
Angled Backward  
Reverse Curved Tip, Fig. 1

**NS-513-02**  
Angled Forward  
Reverse Curved Tip, Fig. 2

**NS-519-02**  
Angled Backward  
Reverse Curved Tip, Fig. 2

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-550-18**  
**Jacobson Micro Knife**  
Straight  
Overall Length 18.5 cm (7 1/4")



**Koos Micro Knife**  
Bayonet Shaped  
Overall Length 18.5 cm (7 1/4")



**NS-555-01**  
Curved  
Upwards



**NS-557-01**  
Curved  
Upwards



**NS-555-02**  
Curved  
Downwards



**NS-557-02**  
Curved  
Downwards



**NS-555-03**  
Curved  
Upwards



**NS-555-04**  
Curved  
Downwards



**Yasargil Micro Knife**  
Bayonet Shaped  
Overall Length 18.5 cm (7 1/4")



**NS-559-01**  
Curved  
Upwards

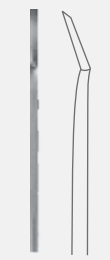


**NS-559-02**  
Curved  
Downwards

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**Yasargil Micro Raspatory**  
Overall Length 18.5 cm (7 1/4")



**NS-564-01**  
1.4 mm



**NS-564-02**  
2.6 mm



**NS-564-03**  
4.0 mm



**NS-564-04**  
3.0 mm



**NS-564-05**  
2.6 mm



**Yasargil Micro Raspatory**  
Bayonet Shaped  
Overall Length 18.5 cm (7 1/4")



**NS-565-01**  
Curved  
Downwards  
3.0 mm



**NS-565-02**  
Curved  
Downwards  
3.0 mm



**NS-565-03**  
Curved  
Upwards  
3.0 mm



Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-567-18**  
**Yasargil Micro Curette**  
Bayonet Shaped, 1.7 mm  
Overall Length 18.5 cm (7 1/4")



**NS-571-01**  
3.0 mm  
**NS-571-02**  
5.0 mm

**Micro Nerve & Vessel Hook**  
Overall Length 18.5 cm (7 1/4")



**NS-573-01**  
Fig. 1  
0.6 mm / 3.2 mm  
Short Ball Tip

**NS-573-02**  
Fig. 2  
0.8 mm / 3.2 mm  
Long Ball Tip

**NS-573-03**  
Fig. 1  
Ø 0.6 mm / 3.3 mm  
Short Ball Tip

**NS-573-04**  
Fig. 2  
Ø 1.1 mm / 4.5 mm  
Long Ball Tip

**Krayenbuhl Micro Nerve & Vessel Hook**  
Overall Length 18.5 cm (7 1/4")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**Yasargil Ligature Guide**  
Overall Length 18.5 cm (7 1/4")



**NS-575-01**  
Fig. 1  
Ø 1.5 mm



**NS-575-02**  
Fig. 2  
Ø 1.5 mm



**NS-575-03**  
Fig. 3  
Ø 1.5 mm



**NS-575-04**  
Fig. 4  
Ø 1.5 mm



**NS-576-16**  
**Biemer Vessel Spreader**  
Overall Length 16 cm (6 1/4")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-577-01**  
Fig. 1  
Ø 0.5 mm



**NS-577-02**  
Fig. 2  
Ø 1.0 mm



**NS-577-03**  
Fig. 3  
Ø 1.5 mm

**Micro Vessel Dilator**  
Overall Length 12.5 cm (5")



**Jacobson Micro Vessel Probe**  
Overall Length 18.5 cm (7 1/4")



**NS-579-01**  
1 Prong  
Ø 0.8 mm



**NS-579-02**  
2 Prongs  
Ø 0.8 mm



Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**NS-579-03**  
**Jacobson Micro Suture Probe**  
Slightly Curved, 2.0 mm  
Overall Length 18.5 cm (7 1/4")



**Caspar Exploration Hook**  
Overall Length 24.5 cm, (9 1/2")



**NS-581-01**  
Fig. 1  
Ø 1.8 mm / 5.0 mm



**NS-581-02**  
Fig. 2  
Ø 2.0 mm / 7.0 mm



**NS-581-03**  
Fig. 3  
Ø 2.5 mm / 9.0 mm



**NS-581-04**  
Fig. 4  
Ø 1.8 mm / 11.0 mm

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-591-01**  
Ø 1.0 mm



**NS-591-02**  
Ø 2.0 mm



**NS-591-03**  
Ø 3.0 mm

Round Shaped



**NS-591-04**  
1.0 mm



**NS-591-05**  
1.5 mm



**NS-591-06**  
2.0 mm

Spatula Shaped

**NS-590-00**  
**Rhoton Micro Dissector**  
Set of 15  
Ref: NS-591-01 up to  
NS-591-15

**Rhoton Micro Dissector**  
Overall Length 18.5 cm (7 ¼")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**NS-591-07**  
1.2 mm



**NS-591-08**  
2.8 mm



**NS-591-09**  
**Rhoton Micro Needle**  
Semi, Sharp  
Overall Length 18.5 cm (7 1/4")



**NS-591-10**  
2.0 mm  
Blunt  
Angled 90°



**NS-591-11**  
2.0 mm  
Semi Sharp  
Angled 90°



**NS-591-12**  
3.0 mm  
Semi Sharp  
Angled 45°

**Rhoton Micro Elevator**  
Overall Length 18.5 cm (7 1/4")

**Rhoton Micro Hook**  
Overall Length 18.5 cm (7 1/4")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-591-13**  
**Rhoton Micro Probe**  
Angled 90°  
Overall Length 18.5 cm (7 1/4")



**NS-591-14**  
1.0 x 2.0 mm

**NS-591-15**  
Angled 45°  
1.0 x 2.0 mm

**Rhoton Micro Curette**  
Overall Length 18.5 cm (7 1/4")



**NS-601-02**  
**Yasargil Micro Hook**  
Sharp, Curved  
Overall Length 13 cm (5")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**NS-618-24**  
**Yasargil Micro Needle**  
Bayonet Shaped, Semi Sharp  
Overall Length 24 cm (9 1/2")



**NS-631-01**  
Straight  
1.7 mm



**NS-633-01**  
Angled  
1.7 mm



**NS-635-01**  
**Yasargil Micro Curette**  
Curved Downwards  
1.7 mm, Bayonet Shaped  
Overall Length 24 cm (9 1/2")





Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-655-24**  
**Hardy Implant Fork**  
Bayonet Shaped  
Overall Length 24 cm (9 1/2")

**Hardy Micro Sickle Dissector**  
Bayonet Shaped  
Overall Length 24 cm (9 1/2")



Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**Hardy-Fahlbusch Micro Dissector**  
Bayonet Shaped Sharp  
Overall Length 24 cm (9 1/2")



**NS-659-01**  
Curved  
Downwards Sharp



**NS-659-02**  
Curved  
Upwards Sharp



**NS-671-10**  
Straight  
1.0 mm



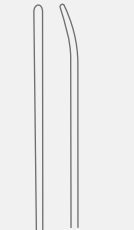
**NS-671-45**  
Straight  
4.5 mm

**NS-670-00**  
**Caspar Micro Dissector**  
Set of 6  
Overall Length 24 cm (9 1/2")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

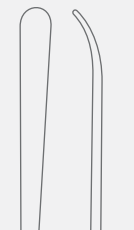
NEUROSURGERY



**NS-673-10**  
Curved Down  
1.0 mm



**NS-673-20**  
Curved Down  
2.0 mm



**NS-673-45**  
Curved Down  
4.5 mm



**NS-675-10**  
Curved Up  
1.0 mm



**NS-677-14**  
1.0 mm



**NS-677-20**  
1.4 mm



**NS-677-18**  
1.8 mm

**Caspar Micro Dissector**  
Bayonet Shaped  
Overall Length 24 cm (9 1/2")

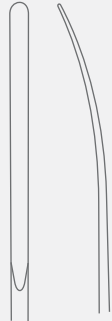
**Micro Dissector**  
Semi Sharp Straight Handle  
Overall Length 24 cm (9 1/2")



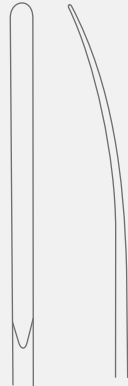
Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**Micro Dissector**  
Straight



**NS-679-19**  
19 cm (7 1/2")



**NS-679-22**  
21.5 cm (8 1/2")



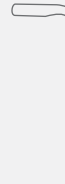
**Ray Micro Curette**  
Overall Length 19 cm (7 1/2")



**NS-680-03**  
Angled 45°  
Horizontal



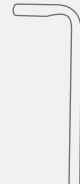
**NS-680-04**  
Angled 45°  
Horizontal



**NS-681-03**  
Angled 90°  
Horizontal



**NS-682-04**  
Angled 45°  
Vertical



**NS-683-03**  
Angled 90°  
Vertical

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-684-04**  
Curved  
Downwards  
Ø 4.0 mm  
Angled 45°



**NS-684-06**  
Curved  
Downwards  
Ø 6.0 mm  
Angled 45°



**NS-685-04**  
Curved  
Upwards  
Ø 4.0 mm  
Angled 90°



**NS-685-06**  
Curved  
Downward  
Ø 6.0 mm  
Angled 90°



**NS-686-04**  
Curved  
Upwards  
Ø 4.0 mm  
Angled 45°  
Horizontally



**NS-686-06**  
Curved  
Upwards  
Ø 6.0 mm  
Angled 45°  
Horizontally



**NS-687-04**  
Curved  
Upwards  
Ø 4.0 mm  
Angled 90°



**NS-687-06**  
Curved  
Upwards  
Ø 6.0 mm  
Angled 90°

**Hardy Micro Curette**  
Bayonet Shaped  
Overall Length 26 cm (10 1/4")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**Hardy Micro Curette**  
Bayonet Shaped  
Overall Length 24 cm (9 1/2")



**NS-688-01**  
Upwards  
Ø 3.0 mm  
Angled 90°



**NS-688-03**  
Downwards  
Ø 3.0 mm  
Angled 90°



**NS-688-09**  
Right  
Ø 3.0 mm  
Angled 45°



**NS-688-13**  
Curved, Right  
Ø 3.0 mm



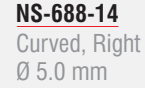
**NS-688-02**  
Upwards  
Ø 5.0 mm  
Angled 90°



**NS-688-04**  
Downward  
Ø 5.0 mm  
Angled 90°



**NS-688-10**  
Right  
Ø 5.0 mm  
Angled 45°



**NS-688-14**  
Curved, Right  
Ø 5.0 mm

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-689-01**

Left  
Ø 6.5 mm



**NS-689-02**

Right  
Ø 6.5 mm



**NS-689-03**

Angled Up, Vertical  
Ø 6.5 mm

**NS-689-04**

Angled Up, Horizontal  
Ø 6.5 mm



**NS-690-21**

**Nicola Micro Raspatory Curved**

Curved Downwards  
Bayonet Shaped  
Overall Length 21.5 cm (8 1/2")

**Nicola Micro Curette**

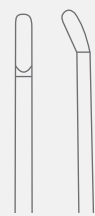
Bayonet Shaped  
Overall Length 21.5 cm (8 1/2")



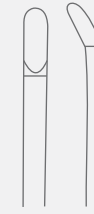
Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**NS-691-10**  
Oval, 1.0 mm



**NS-691-15**  
Oval, 1.5 mm



**NS-691-20**  
Oval, 2.0 mm



**NS-691-25**  
Oval, 2.5 mm



**NS-691-30**  
Oval, 3.0 mm



**NS-691-35**  
Oval, 3.5 mm



**NS-691-40**  
Oval, 4.0 mm



**NS-691-50**  
Oval, 5.0 mm

**Samii Tumor Knife**  
Overall Length 23 cm (9")



**NS-693-15**  
Round, 1.5 mm



**NS-693-30**  
Round, 3.0 mm



**NS-693-45**  
Round 4.5 mm



**NS-693-60**  
Round, 6.0 mm

**Samii Tumor Knife**  
Overall Length 23 cm (9")



Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-694-18**  
1.8 mm  
23 cm (9")



**NS-694-25**  
1.8 mm  
23 cm (9")

**Samii Lancet Knife**



**NS-695-26**  
**Hosobuchi Fork Spatula**  
Bayonet Shaped, Rigid  
Overall Length 26 cm (10 1/4")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**NS-697-26**  
Landolt Micro Curette



**NS-699-26**  
Landolt Micro Hook  
Blunt



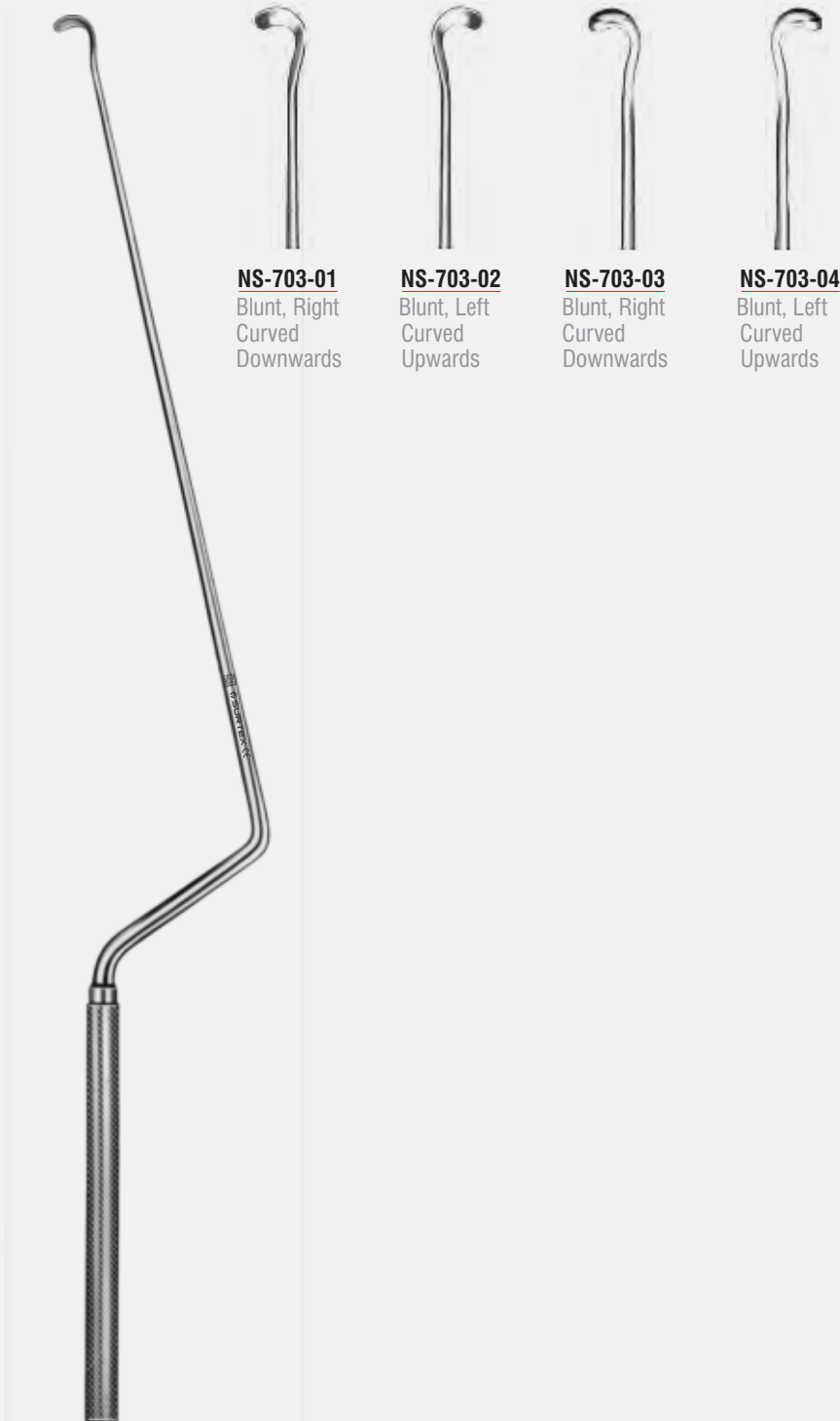
**NS-701-26**  
Landolt Micro Raspatory  
Bayonet Shaped, Malleable  
Overall Length 26 cm (10 1/4")

Bayonet Shaped, Malleable  
Overall Length 26 cm (10 1/4")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-703-01**  
Blunt, Right  
Curved  
Downwards

**NS-703-02**  
Blunt, Left  
Curved  
Upwards

**NS-703-03**  
Blunt, Right  
Curved  
Downwards

**NS-703-04**  
Blunt, Left  
Curved  
Upwards

**Landolt Micro Enucleator**  
Bayonet Shaped, Malleable, Blunt Tip  
Overall Length 26 cm (10 1/4")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**Landolt-Reulen**  
Rigid, Bayonet Shaped  
Overall Length 26 cm (10 1/4")



**NS-711-26**  
Micro Dissector  
Curved Upwards  
Tip Size Ø 2.0 mm



**NS-713-26**  
Micro Hook  
Blunt  
Tip Size 1.7 mm



**NS-715-26**  
Micro Curette  
Blunt  
Tip Size Ø 2.5 mm



**NS-717-22**  
Micro Raspatory  
Blunt  
Tip Size 2.2 mm



**NS-717-32**  
Micro Raspatory  
Blunt  
Tip Size 3.2 mm

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**NS-719-01**  
2.5 mm  
Spoon



**NS-719-02**  
Ø 2.5 mm  
Curette



**NS-729-08**  
**Micro Ball Probe**  
Bayonet Shaped, Straight Tip  
Ø 0.8 mm  
Overall Length 19.5 cm (7 3/4")



**Micro Dissector**  
Bayonet Shaped  
Overall Length 23 cm (9")



**NS-730-23**  
Straight Shaft  
Blunt Tip



**NS-731-23**  
Curved Upwards  
Blunt Tip



**NS-733-23**  
Curved Downwards  
Blunt Tip



Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**NS-734-23**  
**Micro Raspatory**  
Straight Shaft, Round Tip  
Overall Length 23 cm (9")



**NS-735-23**  
**Micro Raspatory**  
Curved Upwards, Round Tip  
Bayonet Shaped  
Overall Length 23 cm (9")



**NS-737-01**  
Straight Shaft  
Semi Sharp Tip

**NS-737-02**  
Straight Shaft  
Blunt Tip

**Micro Hook**  
Overall Length 23 cm (9")



**NS-739-01**  
Straight Shaft



**NS-739-02**  
Straight Shaft

**Micro Dissector**  
Overall Length 23 cm (9")

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti

NS

NEUROSURGERY



**Micro Scoop**  
Overall Length 23 cm (9")



**NS-740-01**  
Straight Shaft  
Straight Tip



**NS-740-02**  
Straight Shaft  
Angled Tip



**NS-741-01**  
**Micro Raspatory**  
Straight Shaft Angled Tip  
Overall Length 23 cm (9")



**NS-751-01**  
70 x 15 mm

**NS-751-02**  
90 x 15 mm

**NS-751-03**  
110 x 15 mm

**Cushing-Landolt Specula**



**NS-753-01**  
80 x 11 mm

**NS-753-02**  
90 x 13 mm

**NS-753-03**  
100 x 15 mm

**Papavero-Caspar Specula**

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**NS-755-21**  
**Landolt Specula**  
Overall Length 21.5 cm (8 1/2")



Mirror

**NS-790-06**  
Ø 6.0 mm

**NS-790-08**  
Ø 8.0 mm

**NS-790-10**  
Ø 10.0 mm

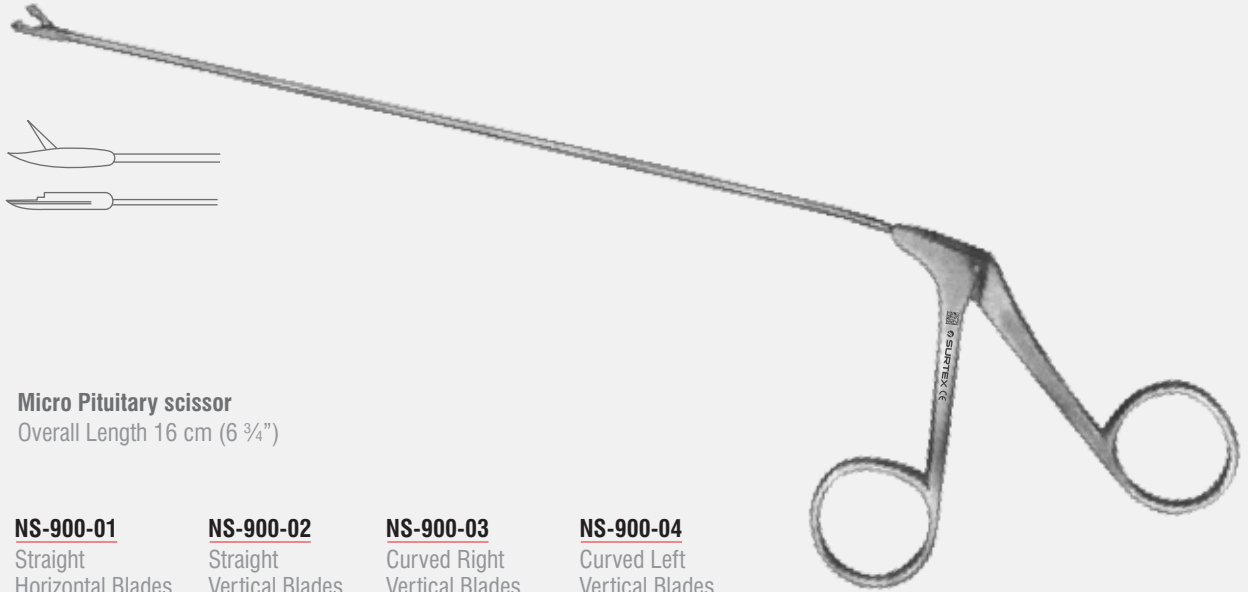
**NS-790-12**  
Ø 12.0 mm



**NS-792-00**  
**Mirror Handle**  
Bayonet Shaped  
Overall Length 15 cm (6")



Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



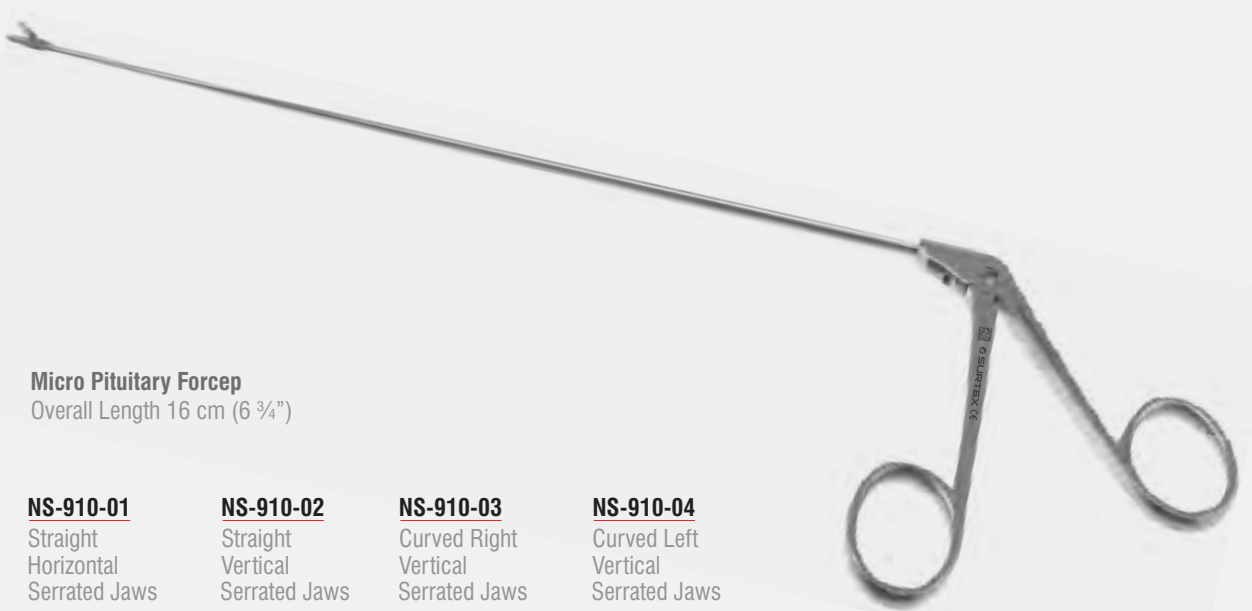
**Micro Pituitary scissor**  
Overall Length 16 cm (6 3/4")

**NS-900-01**  
Straight  
Horizontal Blades

**NS-900-02**  
Straight  
Vertical Blades

**NS-900-03**  
Curved Right  
Vertical Blades

**NS-900-04**  
Curved Left  
Vertical Blades



**Micro Pituitary Forcep**  
Overall Length 16 cm (6 3/4")

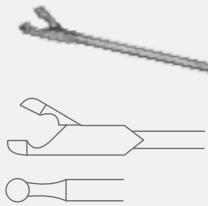
**NS-910-01**  
Straight  
Horizontal  
Serrated Jaws

**NS-910-02**  
Straight  
Vertical  
Serrated Jaws

**NS-910-03**  
Curved Right  
Vertical  
Serrated Jaws

**NS-910-04**  
Curved Left  
Vertical  
Serrated Jaws

Micro Neuro Instruments  
Mikro Neuro Instrumente  
Micro Neuro Instrumentos  
Micro Neuro Instruments  
Micro Neuro Strumenti



**Micro Pituitary Cup Biopsy Forcep**

Ø 1.0 mm  
Overall Length 16 cm (6 3/4")

**NS-920-01**

Straight  
Horizontal  
Cup Shaped Jaws

**NS-920-02**

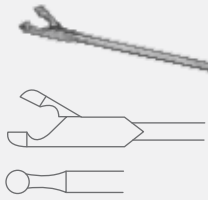
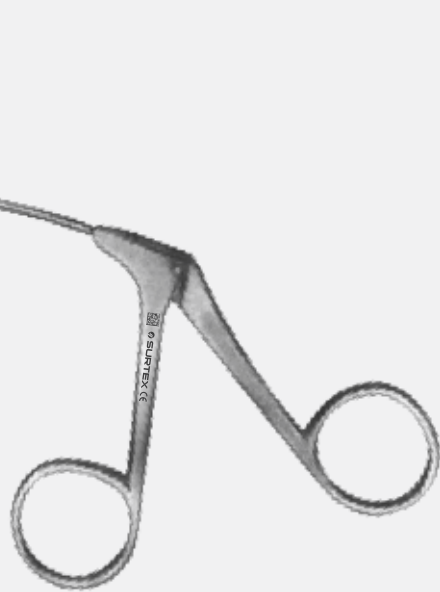
Straight  
Vertical  
Cup Shaped Jaws

**NS-920-03**

Curved Right  
Vertical  
Cup Shaped Jaws

**NS-920-04**

Curved Left  
Vertical  
Cup Shaped Jaws



**Micro Pituitary Cup Biopsy Forcep**

Ø 2.0 mm  
Overall Length 16 cm (6 3/4")

**NS-922-01**

Straight  
Horizontal  
Cup Shaped Jaws

**NS-922-02**

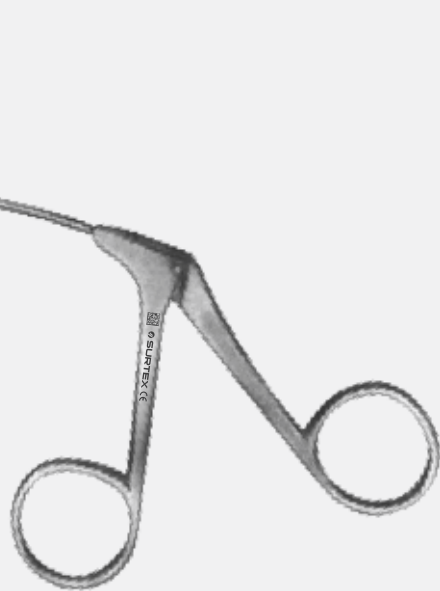
Straight  
Vertical  
Cup Shaped Jaws

**NS-922-03**

Curved Right  
Vertical  
Cup Shaped Jaws

**NS-922-04**

Curved Left  
Vertical  
Cup Shaped Jaws





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**SURTEX**  
INSTRUMENTS

*Crafted to Excellence*

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Neurosurgery Surgery Sets



**SURTEX**  
INSTRUMENTS

*Crafted to Excellence*

### Laminectomy Set

Codes	Description	Quantity
SL-010-03	Bard-Parker Scalpel Handle No. 3 Solid 12 cm - 4 3/4"	1
SL-010-04	Bard-Parker Scalpel Handle No. 4 Solid 13.5 cm - 5 3/8 "	1
SL-030-07	Scalpel Handle No. 7 Solid 16 cm - 6 1/4"	1
SS-004-14	Operating Scissor Straight - Sharp/Blunt 14.5 cm - 5 3/4"	1
SS-005-14	Operating Scissor Curved - Sharp/Blunt 14.5 cm - 5 3/4"	1
SS-040-17	Mayo Dissecting Scissor Straight 17 cm - 6 3/4"	1
SS-041-17	Mayo Dissecting Scissor Curved 17 cm - 6 3/4"	1
AF-160-12	Halsted-Mosquito Haemostatic Forcep Straight 12.5 cm - 5"	12
AF-161-12	Halsted-Mosquito Haemostatic Forcep Curved 12 cm - 4 3/4"	12
AF-210-14	Crile Haemostatic Forcep Straight 14.5 cm - 5 3/4"	12
AF-211-14	Crile Haemostatic Forcep Curved 14 cm - 5 1/2"	12
FR-010-14	Standard Pattern Dressing Forcep 14.5 cm - 5 3/4"	1
FR-010-20	Standard Pattern Dressing Forcep 20 cm - 8"	2
FR-200-14	Standard Pattern Dissecting Forcep 1 x 2 Teeth 14.5 cm - 5 3/4"	1
FR-200-20	Standard Pattern Dissecting Forcep 1 x 2 Teeth 20 cm - 8"	2
FR-090-17	Cushing Dressing Forcep Straight 17.5 cm - 7"	1
FR-294-17	Cushing Dissecting Forcep 1 x 2 Teeth 18 cm - 7"	1
FR-590-16	DeBakey Atrauma Forcep 16 cm - 6 1/4" Tip Size 1.5 mm	2
SI-015-15	Allis Intestinal and Tissue Grasping Forcep 5 x 6 Teeth 15.5 cm - 6"	4
OR-943-18	Luer Bone Rongeur Curved 18 cm - 7"	1
OR-982-01	Stille-Liston Bone Cutting Forcep Straight - Compound Action 27.5 cm - 10 3/4"	1
OR-985-27	Liston-Key Bone Cutting Forcep Compound Action 25.5 cm - 10"	1
OR-964-22	Stille-Luer Bone Rongeur Straight - Compound Action 22.5 cm - 8 3/4"	1
OR-965-22	Stille-Luer Bone Rongeur Curved - Compound Action 22 cm - 8 3/4"	1
OR-961-01	Leksell-Stille Bone Rongeur Compound Action 24.5 cm - 9 3/4"	1
OR-528-30	Bruns Bone Curette Round - Fig. 000 17 cm - 6 3/4"	1
OR-528-20	Bruns Bone Curette Round - Fig. 00 17 cm - 6 3/4"	1
OR-528-10	Bruns Bone Curette Round - Fig. 0 17 cm - 6 3/4"	1
OR-528-01	Bruns Bone Curette Round - Fig. 1 17 cm - 6 3/4"	1
OR-528-02	Bruns Bone Curette Round - Fig. 2 17 cm - 6 3/4"	1
OR-528-03	Bruns Bone Curette Round - Fig. 3 17 cm - 6 3/4"	1
OR-528-04	Bruns Bone Curette Round - Fig. 4 17 cm - 6 3/4"	1
RT-696-20	Weitlaner Self Retaining Retractor 3 x 4 Sharp Prongs 20 cm - 8"	2
RT-753-33	Adson Self Retaining Retractor 4 x 5 Blunt Prongs 33 cm - 13"	2
RT-977-17	Inge Lamina Spreader 16 cm - 6 1/4"	1
NS-171-02	Penfield Dura Dissector Fig.2 19.5 cm - 7 3/4"	1
NS-190-21	Love Nerve Root Retractor Straight 21.5 cm - 8 1/2"	1
NS-191-18	Love Nerve Root Retractor Angled 45° 17.5 cm - 7"	1
NS-251-01	Dandy Nerve Retractor 20 cm - 8"	1
NS-253-29	Smithwick Nerve Retractor 29 cm - 11 1/2"	1
NS-406-01	Love-Gruenwald Laminectomy Rongeur Straight 18 cm - 7" Bite Size 3 x 10 mm	1
NS-406-02	Love-Gruenwald Laminectomy Rongeur Up 18 cm - 7" Bite Size 3 x 10 mm	1
NS-406-03	Love-Gruenwald Laminectomy Rongeur Down 18 cm - 7" Bite Size 3 x 10 mm	1
NS-306-02	Ferris-Smith Kerrison Punch 40° Forward Up Cutting 18 cm - 7" Bite Size 2 mm	1
NS-306-03	Ferris-Smith Kerrison Punch 40° Forward Up Cutting 18 cm - 7" Bite Size 3 mm	1
NS-306-04	Ferris-Smith Kerrison Punch 40° Forward Up Cutting 18 cm - 7" Bite Size 4 mm	1
NS-306-05	Ferris-Smith Kerrison Punch 40° Forward Up Cutting 18 cm - 7" Bite Size 5 mm	1
AF-773-13	Backhaus Towel Clamp 13 cm - 5"	12
OT-207-18	Adson Ear Forcep Bayonet Shaped 17.5 cm - 7"	1
SS-141-18	Metzenbaum-Nelson Dissecting Scissor Curved - Blunt/Blunt 18 cm - 7"	1
SS-325-23	Strully Neurological Scissor Curved 22.5 cm - 8 3/4"	1
SU-600-20	UltraGripX TC Mayo-Hegar Needle Holder 20 cm - 8"	2
SF-350-25	Foerster Sponge Holding Forcep Straight 25 cm - 9 3/4"	6

### Lumbar Puncture Set

Codes	Description	Quantity
SL-010-03	Bard-Parker Scalpel Handle No. 3 Solid 12 cm - 4 3/4"	1
SS-006-14	Operating Scissor Straight - Sharp/Sharp 14.5 cm - 5 3/4"	1
FR-010-14	Standard Pattern Dressing Forcep 14.5 cm - 5 3/4"	1
AF-761-09	Jones Towel Clamp Sharp 8.5 cm - 3 1/4"	1
AF-200-14	Kelly Haemostatic Forcep Straight 14.5 cm - 5 3/4"	1
SU-050-15	Crile-Wood Needle Holder 15 cm - 6"	1
SF-350-18	Foerster Sponge Holding Forcep Straight 18 cm - 7"	1
TR-460-12	Tuohy Lumbar Puncture Needle 18 G - With Luer Lock Connection - Special Tip Needle Size ? 1.2 x 76 mm	1
TR-460-14	Tuohy Lumbar Puncture Needle 17 G - With Luer Lock Connection - Special Tip Needle Size ? 1.4 x 76 mm	1
TR-460-16	Tuohy Lumbar Puncture Needle 16 G - With Luer Lock Connection - Special Tip Needle Size √ø 1.6 x 76 mm	1

### Sympathectomy Set

Codes	Description	Quantity
AF-773-13	Backhaus Towel Clamp 13 cm - 5"	8
SF-350-25	Foerster Sponge Holding Forcep Straight 25 cm - 9 3/4"	4
SL-010-03	Bard-Parker Scalpel Handle No. 3 Solid 12 cm - 4 3/4"	2
SS-141-28	Metzenbaum-Nelson Dissecting Scissor Curved - Blunt/Blunt 28.5 cm - 11 1/4"	1
SS-141-18	Metzenbaum-Nelson Dissecting Scissor Curved - Blunt/Blunt 18 cm - 7"	1
FR-010-20	Standard Pattern Dressing Forcep 20 cm - 8"	2
FR-010-30	Standard Pattern Dressing Forcep 30.5 cm - 12"	2
AF-230-16	Ochsner-Kocher Haemostatic Forcep Straight - 1 x 2 Teeth 16.5 cm - 6 1/2"	4
RT-471-07	Deaver Retractor Fig. 7 30 cm - 11 3/4" Blade Width 38 mm	2
RT-471-09	Deaver Retractor Fig. 9 31.5 cm - 12 1/2" Blade Width 75 mm	2
AF-321-20	Rochester-Carmalt Haemostatic Forcep Curved 20 cm - 8"	6
AF-221-24	Rochester-Pean Haemostatic Forcep Curved 24 cm - 9 1/2"	1
RT-042-02	Cushing Nerve Hook Blunt - Fig.2 28 cm - 11"	1
AF-479-01	Zenker Dissecting and Ligature Forcep Curved 29.5 cm - 11 1/2"	1
SU-060-16	Mayo-Hegar Needle Holder 16 cm - 6 1/4"	1
SU-060-24	Mayo-Hegar Needle Holder 24 cm - 9 1/2"	2

### Craniotomy Set

Codes	Description	Quantity
SL-010-03	Bard-Parker Scalpel Handle No. 3 Solid 12 cm - 4 3/4"	1
SS-860-14	UltraCut TC Mayo Dissecting Scissor Straight 14.5 cm - 5 3/4"	1
SS-861-14	UltraCut TC Mayo Dissecting Scissor Curved 14.5 cm - 5 3/4"	1
SS-905-18	UltraCut TC Metzenbaum Dissecting Scissor Curved 18 cm - 7"	1
SS-281-25	Potts-Smith Vascular Scissor Angled 25° 19 cm - 7 1/2"	1
SS-104-15	Joseph Dissecting Scissor / Opreating Scissor Straight 15 cm - 6"	1
FR-274-15	Semken Dissecting Forcep 1 x 2 Teeth 15.5 cm - 6"	1
FR-250-12	Adson Dissecting Forcep 1 x 2 Teeth 12 cm - 4 3/4"	1
FR-294-17	Cushing Dissecting Forcep 1 x 2 Teeth 18 cm - 7"	1
FR-050-12	Adson Dressing Forcep 12 cm - 4 3/4"	1
OT-213-21	Jansen Ear Forcep Bayonet Shaped 21.5 cm - 8 1/2"	1
AF-170-12	Micro-Mosquito Haemostatic Forcep Straight 12 cm - 4 3/4"	6
AF-171-12	Micro-Mosquito Haemostatic Forcep Curved 11.5 cm - 4 1/2"	6
AF-283-14	Dandy Haemostatic Forcep Laterally Curved 14.5 cm - 5 3/4"	12
AF-230-16	Ochsner-Kocher Haemostatic Forcep Straight - 1 x 2 Teeth 16.5 cm - 6 1/2"	2
AF-230-18	Ochsner-Kocher Haemostatic Forcep Straight - 1 x 2 Teeth 18.5 cm - 7 1/4"	2
AF-268-18	Adson Haemostatic Forcep Straight 19 cm - 7 1/2"	2
AF-269-18	Adson Haemostatic Forcep Curved 18.5 cm - 7 1/4"	2
AF-773-08	Backhaus Towel Clamp 9 cm - 3 1/2"	8
AF-773-13	Backhaus Towel Clamp 13 cm - 5"	8
SF-350-25	Foerster Sponge Holding Forcep Straight 25 cm - 9 3/4"	1
SU-594-15	UltraGripX TC Crile-Wood Needle Holder 15 cm - 6"	1
SU-594-18	UltraGripX TC Crile-Wood Needle Holder 18 cm - 7"	1
SS-991-12	UltraCut TC Universal Wire Cutting Scissor Angled - One Toothed Cutting Edge 12.5 cm - 5"	1
RT-677-10	Jansen Self Retaining Retractor 3 x 3 Blunt Prongs - With Adjustment Screw 10 cm - 4"	1
RT-162-16	Senn-Miller Retractor Sharp 16 cm - 6 1/4" Blade Size 20 x 7 mm	2
RT-224-04	Murphy Retractor 4 Sharp Prongs 19.5 cm - 7 3/4"	2
RT-750-32	Beckmann Self Retaining Retractor 4 x 4 Sharp Prongs 32 cm - 12 1/2"	1
RT-686-20	Anderson-Adson Self Retaining Retractor 4 x 4 Sharp Prongs 20 cm - 8"	1
SI-015-15	Allis Intestinal and Tissue Grasping Forcep 5 x 6 Teeth 15.5 cm - 6"	2
RH-475-18	Freer Septum Elevator Double Ended - Sharp/Blunt 18.5 cm - 7 1/4" Blade Size 1 - Blade Size 2 5.0 mm - 5.0 mm	1
TR-101-07	Frazier Suction Tube 7 Charr. 19.5 cm - 7 3/4" √ø 2.3 mm	1
TR-101-09	Frazier Suction Tube 9 Charr. 19.5 cm - 7 3/4" √ø 3.0 mm	1
OR-951-18	Zaufal-Jansen Bone Rongeur Compound Action 18 cm - 7"	1
NS-190-21	Love Nerve Root Retractor Straight 21.5 cm - 8 1/2"	1
OR-965-22	Stille-Luer Bone Rongeur Curved - Compound Action 22 cm - 8 3/4"	1
OR-050-00	Hudson Hand Drill Complete Complete with 4 Burrs Ref. OR-050-01 up to OR-050-04	1
NS-050-50	Gigli Wire Saw 50 cm - 19 3/4"	2
NS-055-00	Gigli Wire Saw Handle (Pair)	1
NS-058-00	De Martel Wire Saw Guide 33 cm - 13"	1
OR-942-18	Luer Bone Rongeur Straight 18.5 cm - 7 1/4"	1
NS-406-01	Love-Gruenwald Laminectomy Rongeur Straight 18 cm - 7" Bite Size 3 x 10 mm	1
NS-306-03	Ferris-Smith Kerrison Punch 40° Forward Up Cutting 18 cm - 7" Bite Size 3 mm	1
NS-451-03	Schlesinger Laminectomy Rongeur Serrated Jaws 13 cm - 5" Bite Size 3 x 10 mm	1
NS-218-15	Heifetz Brain Spatulas 20 cm - 8" Blade Size 15 + 17 mm	1
NS-155-01	Frazier Dura Dissector 15 cm - 6"	1
NS-241-18	Frazier Dura Hook Sharp 18 cm - 7"	2
NS-235-20	Adson Dura Hook Blunt 20 cm - 8"	1
NS-251-01	Dandy Nerve Retractor 20 cm - 8"	1
NS-191-18	Love Nerve Root Retractor Angled 45° 17.5 cm - 7"	1
NS-193-11	Love Nerve Root Retractor Angled 90° 11 cm - 4 1/4"	1
OR-639-01	Cushing Periosteal Raspatory / Elevator 17.5 cm - 7"	1
OR-643-19	Langenbeck Periosteal Raspatory / Elevator 19.5 cm - 7 3/4"	1
OR-685-02	Adson Periosteal Raspatory / Elevator 17 cm - 6 3/4"	1

Head & Neck Surgery Set

Codes	Description	Quantity
SL-010-03	Bard-Parker Scalpel Handle No. 3 Solid 12 cm - 4 3/4"	1
SL-020-13	Scalpel Handle No. 3L Solid, Long 21.5 cm - 8 1/2"	1
SS-903-14	UltraCut TC Metzenbaum Dissecting Scissor Curved 14.5 cm - 5 3/4"	1
SS-905-18	UltraCut TC Metzenbaum Dissecting Scissor Curved 18 cm - 7"	1
SS-890-17	UltraCut TC Mayo-Stille Dissecting Scissor Straight 17 cm - 6 3/4"	1
SS-891-17	UltraCut TC Mayo-Stille Dissecting Scissor Curved 17 cm - 6 3/4"	1
AF-160-12	Halsted-Mosquito Haemostatic Forcep Straight 12.5 cm - 5"	6
AF-161-12	Halsted-Mosquito Haemostatic Forcep Curved 12 cm - 4 3/4"	16
AF-221-16	Rochester-Pean Haemostatic Forcep Curved 16 cm - 6 1/4"	6
AF-230-16	Ochsner-Kocher Haemostatic Forcep Straight - 1 x 2 Teeth 16.5 cm - 6 1/2"	4
AF-210-14	Crile Haemostatic Forcep Straight 14.5 cm - 5 3/4"	4
AF-211-14	Crile Haemostatic Forcep Curved 14 cm - 5 1/2"	20
TM-252-15	Lahey Goitre Grasping Forcep 3 x 3 Teeth 15.5 cm - 6"	6
AF-493-14	Mixer-Baby Dissecting and Ligature Forcep Curved 13.5 cm - 5 1/4"	2
FR-010-16	Standard Pattern Dressing Forcep 16 cm - 6 1/4"	2
FR-200-16	Standard Pattern Dissecting Forcep 1 x 2 Teeth 16 cm - 6 1/4"	2
SU-594-15	UltraGripX TC Crile-Wood Needle Holder 15 cm - 6"	2
SU-600-16	UltraGripX TC Mayo-Hegar Needle Holder 16 cm - 6 1/4"	2
AF-171-12	Micro-Mosquito Haemostatic Forcep Curved 11.5 cm - 4 1/2"	12
RT-712-13	Weitlaner Self Retaining Retractor 3 x 4 Sharp Prongs 13.5 cm - 5 1/4"	2
SI-060-16	Babcock Intestinal and Tissue Grasping Forcep 15.5 cm - 6"	2
SI-012-15	Allis Intestinal and Tissue Grasping Forcep 4 x 5 Teeth 15.5 cm - 6"	20
RT-742-13	Adson Self Retaining Retractor 3 x 4 Sharp Prongs 14 cm - 5 1/2"	2
FR-258-12	Adson-Brown Dissecting Forcep 7 x 7 Teeth 12 cm - 5"	2
RH-475-18	Freer Septum Elevator Double Ended - Sharp/Blunt 18.5 cm - 7 1/4"	1
	Blade Size 1 - Blade Size 2 5.0 mm - 5.0 mm	
RT-012-02	Gillies Skin Hook Fig. 2 18 cm - 7"	2
RT-064-01	Rollet Fine Wound Retractor 4 Sharp Prongs 13.5 cm - 5 1/4" Width 7.0 mm	2
AF-781-13	Lorna Towel Clamp Fine Serrated, Wide Jaw 13 cm - 5"	2
AF-773-13	Backhaus Towel Clamp 13 cm - 5"	4
RT-174-12	Cushing Retractor / Saddle Hook 24 cm - 9 1/2"	2
AF-269-18	Adson Haemostatic Forcep Curved 18.5 cm - 7 1/4"	4
FR-250-12	Adson Dissecting Forcep 1 x 2 Teeth 12 cm - 4 3/4"	2
FR-050-12	Adson Dressing Forcep 12 cm - 4 3/4"	2
FR-592-16	DeBakey Atrauma Forcep 16 cm - 6 1/4"	2
AF-471-16	Gemini Dissecting and Ligature Forcep Curved 16 cm - 6 1/4"	4
RT-579-21	Parker-Langebeck (US Army) Retractor Set of Fig. 1 (21 mm x 15 / 40 mm x 15 mm) and Fig. 2 (25 mm x 15 / 45 mm x 15 mm) 21.5 cm	1
		2
RT-403-01	Richardson Retractor 23.5 cm - 9 1/4" Blade Size 25 x 21 mm	2
RT-403-02	Richardson Retractor 24 cm - 9 1/2" Blade Size 30 x 29 mm	2
RT-210-04	Volkman Retractor 4 Sharp Prongs 22 cm - 8 3/4"	2
RT-162-16	Senn-Miller Retractor Sharp 16 cm - 6 1/4" Blade Size 20 x 7 mm	1
SS-453-11	Stevens Tenotomy Scissor Curved - Blunt/Blunt 11 cm - 4 1/2"	2
RT-120-12	Desmarres Lid Retractor 16 cm - 6 1/4" Blade Width 12.0 mm	2
TL-031-22	Hurd Tonsil Dissector / Retractor 22.5 cm - 8 3/4" Blade Width 11.0 mm - 14.0 mm	3
SF-350-25	Foerster Sponge Holding Forcep Straight 25 cm - 9 3/4"	2
TR-101-09	Frazier Suction Tube 9 Charr. 19.5 cm - 7 3/4" √ø 3.0 mm	1
TR-101-12	Frazier Suction Tube 12 Charr. 19.5 cm - 7 3/4" √ø 4.0 mm	1
RT-807-18	Gelpi Self Retaining Retractor 18 cm - 7"	1
NS-573-02	Krayenbuhl Micro Nerve & Vessel Hook Fig. 2 18.5 cm - 7 1/4"	1
RT-540-06	Martin Abdominal Spatula Malleable - Very Soft 20 cm - 8" Blade Width 6.5 mm	1
RT-540-09	Martin Abdominal Spatula Malleable - Very Soft 20 cm - 8" Blade Width 9.5 mm	1
RT-540-13	Martin Abdominal Spatula Malleable - Very Soft 20 cm - 8" Blade Width 13 mm	1
RT-540-16	Martin Abdominal Spatula Malleable - Very Soft 20 cm - 8" Blade Width 16 mm	1
RT-540-19	Martin Abdominal Spatula Malleable - Very Soft 20 cm - 8" Blade Width 19 mm	1
RT-540-25	Martin Abdominal Spatula Malleable - Very Soft 20 cm - 8" Blade Width 25 mm	1

Peripheral Nerve Repair Set

Codes	Description	Quantity
SL-010-03	Bard-Parker Scalpel Handle No. 3 Solid 12 cm - 4 3/4"	2
SL-010-04	Bard-Parker Scalpel Handle No. 4 Solid 13.5 cm - 5 3/8 "	1
SF-151-27	Gross-Maier Dressing Forcep Curved - With Ratchet 26 cm - 10 1/4"	4
SF-150-27	Gross-Maier Dressing Forcep Straight - With Ratchet 26.5 cm - 10 1/2"	2
SI-012-15	Allis Intestinal and Tissue Grasping Forcep 4 x 5 Teeth 15.5 cm - 6"	2
AF-773-08	Backhaus Towel Clamp 9 cm - 3 1/2"	4
AF-773-11	Backhaus Towel Clamp 11.5 cm - 4 1/2"	8
SS-176-16	Lexer Dissecting Scissor Straight 16 cm - 6 1/4"	2
SS-201-14	Metzenbaum-Fino Delicate Dissecting Scissor Curved - Blunt/Blunt Slender Pattern 14.5 cm - 5 3/4"	1
SS-245-15	Nerve Dissecting Scissor Curved - Semi Sharp 15 cm - 6"	1
SS-005-16	Operating Scissor Curved - Sharp/Blunt 16.5 cm - 6 1/2"	1
SS-457-11	Strabismus Scissor Curved 11.5 cm - 4 1/2"	1
SS-441-11	Iris Scissor Curved 11.5 cm - 4 1/2"	1
SS-991-12	UltraCut TC Universal Wire Cutting Scissor Angled - One Toothed Cutting Edge 12.5 cm - 5"	1
FR-590-16	DeBakey Atrauma Forcep 16 cm - 6 1/4" Tip Size 1.5 mm	2
FR-010-14	Standard Pattern Dressing Forcep 14.5 cm - 5 3/4"	2
FR-200-14	Standard Pattern Dissecting Forcep 1 x 2 Teeth 14.5 cm - 5 3/4"	2
FR-250-12	Adson Dissecting Forcep 1 x 2 Teeth 12 cm - 4 3/4"	2
AF-161-12	Halsted-Mosquito Haemostatic Forcep Curved 12 cm - 4 3/4"	10
AF-160-12	Halsted-Mosquito Haemostatic Forcep Straight 12.5 cm - 5"	10
AF-411-18	Adson-Baby Dissecting and Ligature Forcep Curved 18 cm - 7"	2
AF-471-18	Gemini Dissecting and Ligature Forcep Curved 18 cm - 7"	2
RT-172-14	Cushing Retractor / Saddle Hook 20.5 cm - 8" Blade Size 14 mm	2
RT-100-04	Wound Retractor 4 Sharp Prongs - Small Curve 16.5 cm - 6 1/2" Width 9.5 mm	2
RT-251-02	Langenbeck Retractor 22.5 cm - 8 3/4" Blade Size 30 x 14 mm	2
RT-713-16	Weitlaner Self Retaining Retractor 3 x 4 Blunt Prongs 16 cm - 6 1/4"	1
RT-713-13	Weitlaner Self Retaining Retractor 3 x 4 Blunt Prongs 13.5 cm - 5 1/4"	1
RT-220-03	Kocher Retractor 3 Sharp Prongs 22 cm - 8 3/4"	2
RT-220-04	Kocher Retractor 4 Sharp Prongs 22 cm - 8 3/4"	2
RT-561-01	Roux Retractor Fig. 1 14 cm - 5 1/2"	1
PR-010-16	Probe 16 cm - 6 1/4" Tip √ø 1 mm	1
PR-010-14	Probe 14.5 cm - 5 3/4" Tip √ø 1 mm	1
PR-131-14	Doyen Butterfly Probe / Grooved Director 14.5 cm - 5 3/4"	1
DI-880-15	Ruler Graduated in mm and inches 16.5 cm - 6 1/2" Measuring Range 150 mm	1
TR-091-20	Adson Suction Tube 12 Charr. 20 cm - 8" √ø 4.0 mm	1
TR-223-15	Yasargil Suction Tube With Luer Hub Working Length - Diameter 150 mm - 1.5 mm	1
SU-594-15	UltraGripX TC Crile-Wood Needle Holder 15 cm - 6"	1
SU-650-18	UltraGripX TC DeBakey Needle Holder 18 cm - 7"	2
SU-863-13	Kronecker Ligature Needle Delicate for Left Hand 12.5 cm - 5"	1
RT-040-01	Cushing Nerve Hook Blunt - Fig.1 19 cm - 7 1/2"	2

Hydrocephalus Shunt Operations Set (VP SHUNT)

Codes	Description	Quantity
AF-773-08	Backhaus Towel Clamp 9 cm - 3 1/2"	4
SL-010-03	Bard-Parker Scalpel Handle No. 3 Solid 12 cm - 4 3/4"	1
SL-030-07	Scalpel Handle No. 7 Solid 16 cm - 6 1/4"	1
SF-350-18	Foerster Sponge Holding Forcep Straight 18 cm - 7"	4
SS-040-14	Mayo Dissecting Scissor Straight 14.5 cm - 5 3/4"	1
SS-130-14	Metzenbaum Dissecting Scissor Straight - Blunt/Blunt 14.5 cm - 5 3/4"	1
SS-440-11	Iris Scissor Straight 11.5 cm - 4 1/2"	1
FR-250-12	Adson Dissecting Forcep 1 x 2 Teeth 12 cm - 4 3/4"	2
FR-258-12	Adson-Brown Dissecting Forcep 7 x 7 Teeth 12 cm - 5"	2
FR-074-17	Taylor Dressing Forcep 17 cm - 6 3/4"	1
FR-090-17	Cushing Dressing Forcep Straight 17.5 cm - 7"	2
FR-282-17	Taylor Dissecting Forcep With Dissector End - 1 x 2 Teeth 17 cm - 6 3/4"	2
AF-160-12	Halsted-Mosquito Haemostatic Forcep Straight 12.5 cm - 5"	8
AF-161-12	Halsted-Mosquito Haemostatic Forcep Curved 12 cm - 4 3/4"	8
AF-211-14	Crile Haemostatic Forcep Curved 14 cm - 5 1/2"	1
AF-215-16	Crile-Rankin Haemostatic Forcep Curved 17 cm - 6 3/4"	1
AF-230-14	Ochsner-Kocher Haemostatic Forcep Straight - 1 x 2 Teeth 14.5 cm - 5 3/4"	1
AF-285-14	Dandy Haemostatic Forcep Laterally Curved - 1 x 2 Teeth 14.5 cm - 5 3/4"	8
SI-015-15	Allis Intestinal and Tissue Grasping Forcep 5 x 6 Teeth 15.5 cm - 6"	2
OR-951-18	Zaufal-Jansen Bone Rongeur Compound Action 18 cm - 7"	1
RT-162-16	Senn-Miller Retractor Sharp 16 cm - 6 1/4" Blade Size 20 x 7 mm	2
RT-677-10	Jansen Self Retaining Retractor 3 x 3 Blunt Prongs - With Adjustment Screw 10 cm - 4"	2
RT-713-13	Weitlaner Self Retaining Retractor 3 x 4 Blunt Prongs 13.5 cm - 5 1/4"	1
RT-669-07	Alm Wound Spreader 4 x 4 Blunt Prongs 7 cm - 2 3/4"	1
OR-532-02	Bruns Bone Curette Oval - Solid Handle - Fig. 2 23 cm - 9" Scoop Size 4.8 mm	1
PR-030-13	Probe With Eye 13 cm - 5" Tip √ø 2 mm	1
DI-880-15	Ruler Graduated in mm and inches 16.5 cm - 6 1/2" Measuring Range 150 mm	1
TR-101-10	Frazier Suction Tube 10 Charr. 19.5 cm - 7 3/4" √ø 3.3 mm	1
SU-600-16	UltraGripX TC Mayo-Hegar Needle Holder 16 cm - 6 1/4"	2
FR-256-12	Micro-Adson Dissecting Forcep 1 x 2 Teeth 12 cm - 4 3/4"	1
SU-520-18	UltraGripX TC Micro Needle Holder Straight - With Lock 18 cm - 7"	1
SU-955-03	Koenig Ligature Conductor 19.5 cm - 7 3/4"	1
SU-863-13	Kronecker Ligature Needle Delicate for Left Hand 12.5 cm - 5"	1
CV-459-17	Glover Atrauma Multipurpose Vascular Clamp 17.5 cm - 7"	1
CV-477-13	DeBakey Atrauma Pediatric Vascular Clamp 12.5 cm - 5"	2
SS-004-14	Operating Scissor Straight - Sharp/Blunt 14.5 cm - 5 3/4"	0

### Exploration Set

Codes	Description	Quantity
NS-581-01	Caspar Exploration Hook Fig. 1 24.5 cm - 9 1/2"	1
NS-581-02	Caspar Exploration Hook Fig. 2 24.5 cm - 9 1/2"	1
NS-581-03	Caspar Exploration Hook Fig. 3 24.5 cm - 9 1/2"	1
NS-581-04	Caspar Exploration Hook Fig. 4 24.5 cm - 9 1/2"	1

### Skull Traction Set

Codes	Description	Quantity
SF-350-25	Foerster Sponge Holding Forcep Straight 25 cm - 9 3/4"	2
SL-010-03	Bard-Parker Scalpel Handle No. 3 Solid 12 cm - 4 3/4"	1
FR-200-14	Standard Pattern Dissecting Forcep 1 x 2 Teeth 14.5 cm - 5 3/4"	1
SS-004-14	Operating Scissor Straight - Sharp/Blunt 14.5 cm - 5 3/4"	1
AF-161-12	Halsted-Mosquito Haemostatic Forcep Curved 12 cm - 4 3/4"	1
NS-061-02	Crutchfield Skull Traction Tongs Medium Pattern	1
NS-065-35	Crutchfield Drill Point 7 cm - 2 3/4" Tip $\sqrt{\text{d}}$ 3.5 mm	1
NS-065-50	Crutchfield Drill Point 7 cm - 2 3/4" Tip $\sqrt{\text{d}}$ 5.0 mm	1
NS-061-01	Crutchfield Skull Traction Tongs Small Pattern	1
NS-071-00	Skull Traction Tongs Large Pattern	1

### Micro Nerve Repair Set

Codes	Description	Quantity
AF-170-10	Backhaus Towel Clamp 13 cm - 5"	5
AF-171-10	Foerster Sponge Holding Forcep Straight 25 cm - 9 3/4"	5
RT-024-01	Bard-Parker Scalpel Handle No. 3 Solid 12 cm - 4 3/4"	2
SU-210-14	Metzenbaum-Nelson Dissecting Scissor Curved - Blunt/Blunt 28.5 cm - 11 1/4"	1
SL-010-03	Metzenbaum-Nelson Dissecting Scissor Curved - Blunt/Blunt 18 cm - 7"	1
SS-694-08	Standard Pattern Dressing Forcep 20 cm - 8"	1
SS-695-08	Standard Pattern Dressing Forcep 30.5 cm - 12"	1



### Neuro Microsurgery Set

Codes	Description	Quantity
FR-420-05	Lazar Micro Suturing Forcep 15.5 cm - 6" Tip Size 0.5 mm	1
FR-420-08	Lazar Micro Suturing Forcep 15.5 cm - 6" Tip Size 0.8 mm	1
FR-323-13	Vise Micro Jeweller Forcep Curved - With Plateau 13.5 cm - 5 1/4" Tip Size 0.3 mm	1
FR-407-20	Hunt Tumor Grasping Forcep Angled 20 cm - 8" Tip Size √ø 5.0 mm	1
FR-403-04	Yasargil Tumor Grasping Forcep Bayonet Shaped 22 cm - 8 3/4" Tip Size √ø 5.0 mm	1
SU-510-14	UltraGripX TC Castroviejo Micro Needle Holder Straight - With Lock 14.5 cm - 5 3/4"	1
SU-520-18	UltraGripX TC Micro Needle Holder Straight - With Lock 18 cm - 7"	1
SS-729-12	Vannas Micro Scissor Angled on Flat 12 cm - 4 3/4"	1
FR-403-01	Yasargil Tumor Grasping Forcep Bayonet Shaped 22 cm - 8 3/4" Tip Size √ø 3.0 mm	1
NS-575-02	Yasargil Ligature Guide Fig. 2 18.5 cm - 7 1/4"	1
NS-575-03	Yasargil Ligature Guide Fig. 3 18.5 cm - 7 1/4"	1
NS-590-00	Rhoton Micro Dissector Set of 15	1
NS-550-18	Jacobson Micro Knife Straight 18.5 cm - 7 1/4"	1
NS-235-20	Adson Dura Hook Blunt 20 cm - 8"	1
NS-573-03	Krayenbuhl Micro Nerve & Vessel Hook Fig. 3 18.5 cm - 7 1/4"	1
NS-573-04	Krayenbuhl Micro Nerve & Vessel Hook Fig. 4 18.5 cm - 7 1/4"	1
NS-711-26	Landolt-Reulen Micro Dissector Bayonet Shaped - Rigid 26 cm - 10 1/4" Tip Size 2.0 mm	1
SS-636-12	Micro Scissor Straight 12 cm - 4 3/4"	1
SS-637-12	Micro Scissor Curved 12 cm - 4 3/4"	1
SS-808-23	Jacobson Micro Scissor Straight - Bayonet Shaped 23 cm - 9"	1
SS-809-23	Potts Micro Scissor Curved Downwards - Bayonet Shaped 23 cm - 9"	1
SU-281-20	Yasargil Micro Needle Holder Curved - Bayonet Shaped - Smooth Jaws 20 cm - 8"	1
TR-101-06	Frazier Suction Tube 6 Charr. 19.5 cm - 7 3/4" √ø 2.0 mm	1
TR-101-09	Frazier Suction Tube 9 Charr. 19.5 cm - 7 3/4" √ø 3.0 mm	1

### Aneurysm Set

Codes	Description	Quantity
TR-115-05	Fukushima Tear Drop Suction Tube Straight Malleable 5 Fr. 18 cm - 7" Diameter 1.6 mm	1
TR-115-11	Fukushima Tear Drop Suction Tube Straight Malleable 11 Fr. 18 cm - 7" Diameter 3.6 mm	1
NS-591-16	Rhoton Micro Probe Angled 45° 18.5 cm - 7 1/4" Ø 1.0 mm	1
NS-591-02	Rhoton Micro Dissector Round Shaped 18.5 cm - 7 1/4" √d 2.0 mm	1
NS-591-05	Rhoton Micro Dissector Spatula Shaped 18.5 cm - 7 1/4" Tip Size 1.5 mm	1
NS-591-17	Rhoton Micro Probe Straight 18.5 cm - 7 1/4" Ø 1.0 mm	1
FR-411-18	Yasargil Micro Forcep Bayonet Shaped 18 cm - 7" Tip Size 0.6 mm	1
SS-807-23	Potts Micro Scissor Curved Upwards - Bayonet Shaped 23 cm - 9"	1
SS-810-23	Micro Scissor Straight - Bayonet Shaped 23 cm - 9"	1
SS-801-18	Micro Scissor Curved - Round Handle 18 cm - 7" Blade Size 10 mm	1

### LEYLA RETRACTOR SET

Codes	Description	Quantity
NS-010-22	Yasargil (Leyla) Fixation Base	1
NS-010-10	Yasargil (Leyla) Flexible Arm	2
NS-010-45	Yasargil (Leyla) Support for Flat Spatulas	2
NS-012-09	Yasargil (Leyla) Ball and Socket Joint Size 9 x 32 mm	1
NS-012-20	Yasargil (Leyla) Holding Rod	1
NS-012-25	Yasargil (Leyla) Coupling Head	1

### BASIC CASPAR RETRACTOR SET

Codes	Description	Quantity
RT-1263-02	Caspar Side Loading Rack Retractor Double Hinged	1
RT-1267-00	Caspar Side Loading Rack Retractor Double Hinged	2
RT-1275-40	Caspar Side Loading Lateral Blade Fenestrated Toothed 40 x 24 mm	1
RT-1275-45	Caspar Side Loading Lateral Blade Fenestrated Toothed 45 x 24 mm	1
RT-1275-50	Caspar Side Loading Lateral Blade Fenestrated Toothed 50 x 24 mm	1
RT-1275-55	Caspar Side Loading Lateral Blade Fenestrated Toothed 55 x 24 mm	1
RT-1275-60	Caspar Side Loading Lateral Blade Fenestrated Toothed 60 x 24 mm	1
RT-1271-40	Caspar Side Loading Medial Blade Fenestrated 5 Prongs 40 x 24 mm	1
RT-1271-45	Caspar Side Loading Medial Blade Fenestrated 5 Prongs 45 x 24 mm	1
RT-1271-50	Caspar Side Loading Medial Blade Fenestrated 5 Prongs 50 x 24 mm	1
RT-1271-50	Caspar Side Loading Medial Blade Fenestrated 5 Prongs 50 x 24 mm	1
RT-1271-60	Caspar Side Loading Medial Blade Fenestrated 5 Prongs 60 x 24 mm	1



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