



SURTEX
INSTRUMENTS

Crafted to Excellence

NS



NEUROSURGERY

Neurosurgery deals with the diagnosis and treatment of pathological processes, which affect the nervous system. It includes the operative, non-operative, intensive care management and rehabilitation of patients with disorders affecting the brain and skull, spine and nervous system.

Perfection is in high demand in this discipline and requires talent, expertise and precision instrument manufacturing. At Surtex we support the skilled hands of the surgeon with high quality instruments for perfect surgical work.

Our neurosurgery instruments include but are not limited to the following Special Micro- Neurosurgical Instruments, special microsurgical tube-shaft Instruments, head-cranio instruments and holding systems, pituitary instruments, self-retaining retractors, spine instruments, Kerrison punches and laminectomy rongeurs, vessel and bulldog clamps, vessel clips, general surgical instruments, neuro-orthopedic instruments and headrest systems to fix the patient's head and flexible Leyla retractor systems.

Neurochirurgie

Neurocirugía

Neurochirurgie

Neurochirurgia



Self-Retaining Brain Retractor
Selbsthaltender Hirnretraktor
Separador cerebral autostático
Retracteur cérébrale autostatique
Retratore celebrale autostatico

Yasargil (Leyla) Brain Retractor Single Arm Complete

Catalog #	Size
NS-010-01	N/A



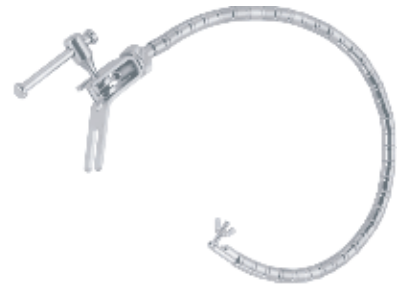
Yasargil (Leyla) Brain Double Retractor Arm Complete

Catalog #	Size
NS-010-02	N/A



Yasargil (Leyla) Flexible Arm

Catalog #	Size
NS-010-10	N/A



Yasargil (Leyla) Flexible Base

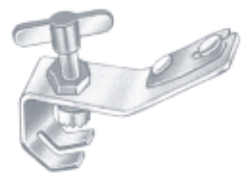
Catalog #	Size
NS-010-21	N/A
NS-010-22	N/A
NS-010-30	N/A



NS-010-21



NS-010-22



NS-010-30

Yasargil (Leyla) Support for Round Spatulas

Catalog #	Size
NS-010-40	N/A





Self-Retaining Brain Retractor
Selbsthaltender Hirnretractor
Separador cerebral autostatico
Retracteur cérébrale autostatique
Retratore celebrale autostatico

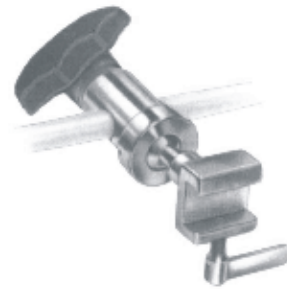
Yasargil (Leyla) Support for Flat Spatulas

Catalog #	Size
NS-010-45	N/A



Yasargil (Leyla) Ball and Socket Joint

Catalog #	Size
NS-012-09	9 x 32 mm
NS-012-10	10 x 25 mm



Yasargil (Leyla) Holding Rod

Catalog #	Size
NS-012-20	N/A



Yasargil (Leyla) Coupling Head

Catalog #	Size
NS-012-25	N/A
NS-012-40	N/A



NS-012-25



NS-012-40

**Caspar Vertebral Distractor
Right**

Catalog #	Size
NS-020-01	N/A





Vertebral Distractor
Wirbel distractor
Vertebrales distractor
Vertébrale distracteur
Vertebrale distrattore

Caspar Drill Guide
Right

Catalog #	Size
NS-020-02	N/A



Casper Vertebral Distractor
Left

Catalog #	Size
NS-022-01	N/A



Caspar Drill Guide
Left

Catalog #	Size
NS-022-02	N/A



Caspar Twist Drill

Catalog #	Size
NS-024-00	14.5 cm (5 1/2")



Caspar Distraction Screw

Catalog #	Working End
NS-026-14	14 mm
NS-026-16	16 mm
NS-026-18	18 mm





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

Casper Screw Driver



Catalog #	Size
NS-028-20	20 cm (8")

Gigli Wire Saw

Catalog #	Size
NS-050-30	30 cm (11 3/4")
NS-050-40	40 cm (11 3/4")
NS-050-50	50 cm (11 3/4")
NS-050-60	60 cm (11 3/4")
NS-050-70	70 cm (11 3/4")



Gigli Wire Saw Handle

Catalog #	Size
NS-055-00	N/A



De Martel Wire Saw Guide



Catalog #	Size
NS-058-00	33 cm (13")

Crutchfield Skull Traction Tongs
Small Pattern

Catalog #	Size
NS-061-01	N/A





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

Crutchfield Skull Traction Tongs
Medium Pattern

Catalog #	Size
NS-061-02	N/A



Crutchfield Drill Point

Catalog #	Size, Diameter
NS-065-35	7 cm (2 3/4"), Ø 3.5 mm
NS-065-50	7 cm (2 3/4"), Ø 5.0 mm



Skull Traction Tongs
Large Pattern

Catalog #	Size
NS-071-00	N/A



Spare Pin

Catalog #	Size
NS-075-01	N/A



Wrench

Catalog #	Size
NS-075-02	N/A



INCHES
MILLIMETERS



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

Dahlgren Cranial Rongeur



Catalog #	Size
NS-091-20	20 cm (8")

De Vibiss Cranial Rongeur



Catalog #	Size
NS-093-21	20.5 cm (8")

Cone Cranial Punch



Catalog #	Size
NS-095-22	22.5 cm (8 3/4")

Raney Scalp Clip



Catalog #	Size
NS-100-00	N/A

Raney Applying - Removal Forcep

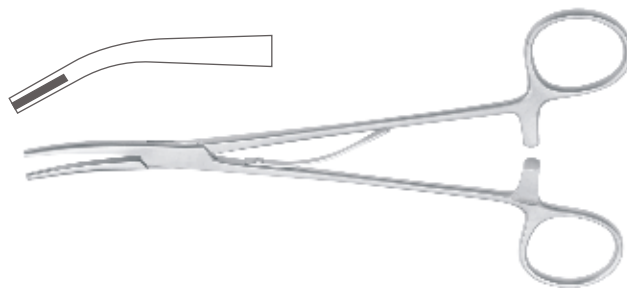


Catalog #	Size
NS-102-00	15.5 cm (6")



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

McKenzie Clip Applying Forcep



Catalog #	Size
NS-112-19	18.5 cm (7 1/4")

Olivecrona-Toennis Clip Applying Forcep



Catalog #	Size, Shaft Length
NS-115-14	N/A, 140 mm

Silver Brain Clip
Pack of 100



Catalog #	Size
NS-118-00	N/A

Yasargil Galea Hook



Catalog #	Size
NS-120-01	N/A
NS-120-02	N/A

Davis Dura Dissector



Catalog #	Size
NS-151-21	21.5 cm (8 1/2")

INCHES
MILLIMETERS



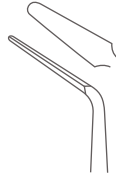
Dura Dissectors
Duradissectoren
Disecadores para duramadre
Dissecteurs à dure-mère
Dissettori per la dura-madre

Davis Dura Dissector



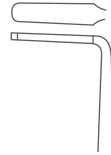
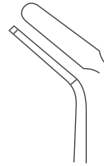
Catalog #	Size
NS-153-24	24.5 cm (9 3/4")

Frazier Dura Dissector



Catalog #	Size
NS-155-01	15 cm (6")

Hoer Dura Dissector



NS-155-02

NS-155-03

Catalog #	Size
NS-155-02	15 cm (6")
NS-155-03	15 cm (6")



Love-Adson Dura Dissector



Catalog #	Size
NS-157-16	16 cm (6 1/2")

Toennis Dura Dissector

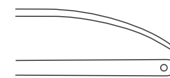


Catalog #	Size
NS-159-26	26 cm (10 1/4")



Dura Dissectors
Duradissectoren
Disecadores para duramadre
Dissecteurs à dure-mère
Dissettori per la dura-madre

Olivecrona Dura Dissector



Catalog #	Size
NS-161-01	24 cm (9 1/2")

Olivecrona Dura Dissector



Catalog #	Size
NS-161-02	18 cm (7")

Olivecrona Dura Dissector



Catalog #	Size
NS-161-03	24 cm (9 1/2")

Olivecrona Dura Dissector



Catalog #	Size
NS-161-04	20 cm (8")

Sachs Dura Dissector
Sharp



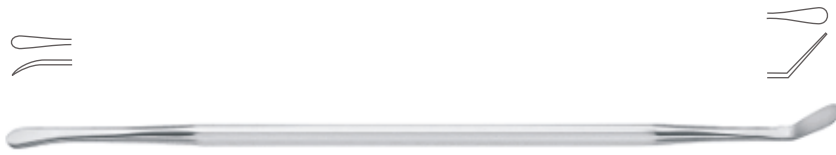
Catalog #	Size
NS-163-21	20 cm (8")

INCHES
MILLIMETERS



Dura Dissectors
Duradissectoren
Disecadores para duramadre
Dissecteurs à dure-mère
Dissettori per la dura-madre

Milligan Dura Dissector



Catalog # Size
NS-165-21 21.5 cm (8 1/2")

Dura Dissector



Catalog # Size
NS-167-22 22 cm (8 3/4")

Penfield Dura Dissector



Catalog # Size, Profile
NS-171-01 17.5 cm (7"), Fig. 1

Penfield Dura Dissector



Catalog # Size, Profile
NS-171-02 19.5 cm (7 3/4"), Fig. 2

Penfield Dura Dissector



Catalog # Size, Profile
NS-171-03 19.5 cm (7 3/4"), Fig. 3



Dura Dissectors
Duradissectoren
Disecadores para duramadre
Dissecteurs à dure-mère
Dissettori per la dura-madre

Penfield Dura Dissector



Catalog #	Size, Profile
NS-171-04	20.5 cm (8"), Fig. 4

Penfield Dura Dissector



Catalog #	Size, Profile
NS-171-05	18 cm (7"), Fig. 5

Horsley Dura Elevator



Catalog #	Size
NS-181-20	20 cm (8")

Sachs Dura Elevator



Catalog #	Size
NS-183-21	21 cm (8 1/4")

Love Nerve Root Retractor
Straight



Catalog #	Size
NS-190-21	21.5 cm (8 1/2")

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

Love Nerve Root Retractor
Angled 45°



Catalog #	Size
NS-191-18	17.5 cm (7")

Love Nerve Root Retractor
Angled 90°



Catalog #	Size
NS-193-11	11 cm (4 1/4")

Love Nerve Root Retractor



Catalog #	Size
NS-195-21	22 cm (8 3/4")

Hess Nerve Root Retractor



Catalog #	Size, Width
NS-197-03	17.5 cm (7"), 3 mm
NS-197-05	17.5 cm (7"), 5 mm
NS-197-07	17.5 cm (7"), 7 mm

Scoville Nerve Root Retractor



Catalog #	Size
NS-200-23	23.5 cm (9 1/4")



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

Holsher Nerve Root Retractor



Catalog #	Size
NS-201-24	23.5 cm (9 1/4")

Scoville Nerve Root Retractor



Catalog #	Size
NS-203-19	16.5 cm (6 1/2")

Cushing Brain Spatulas



Catalog #	Size, Blade Size
NS-210-07	18 cm (7"), 7 + 9 mm
NS-210-11	18 cm (7"), 11 + 13 mm
NS-210-15	18 cm (7"), 15 + 18 mm
NS-210-18	18 cm (7"), 18 + 22 mm

Olivecrona Brain Spatulas
Concave



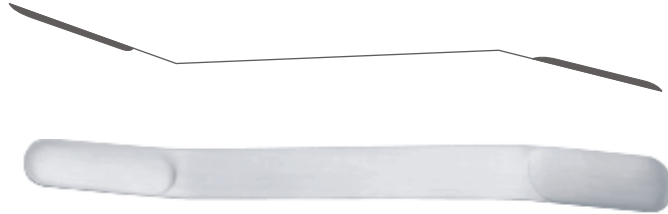
Catalog #	Size, Blade Size
NS-213-07	18 cm (7"), 7 + 9 mm
NS-213-11	18 cm (7"), 11 + 13 mm
NS-213-15	18 cm (7"), 15 + 18 mm
NS-213-18	18 cm (7"), 18 + 22 mm

INCHES
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Brain Spatulas
Hirnspatel
Espátulas cerebrales
Spatules cérébrales
Spatole cerebrali

Olivecrona Brain Spatulas
Convex



Catalog #	Size, Blade Size
NS-215-07	18 cm (7"), 7 + 9 mm
NS-215-11	18 cm (7"), 11 + 13 mm
NS-215-15	18 cm (7"), 15 + 18 mm
NS-215-18	18 cm (7"), 18 + 22 mm

Heifetz Brain Spatulas



Catalog #	Size, Blade Size
NS-218-07	20 cm (8"), 7 + 8 mm
NS-218-10	20 cm (8"), 10 + 11 mm
NS-218-13	20 cm (8"), 13 + 14 mm
NS-218-15	20 cm (8"), 15 + 17 mm
NS-218-19	20 cm (8"), 19 + 20 mm
NS-218-22	20 cm (8"), 22 + 22 mm

Heifetz Brain Spatulas
Round Handle



Catalog #	Size, Blade Size
NS-221-08	20 cm (8"), 8 mm
NS-221-11	20 cm (8"), 11 mm
NS-221-14	20 cm (8"), 14 mm
NS-221-17	20 cm (8"), 17 mm
NS-221-20	20 cm (8"), 20 mm

Brain Spatulas
Malleable



Catalog #	Size
NS-224-12	20 cm (8"), 12 mm
NS-224-17	20 cm (8"), 17 mm



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

Smithwick Nerve Hook



Catalog #	Size
NS-231-17	17 cm (6 3/4")

Smithwick Nerve Hook



Catalog #	Size
NS-233-21	21 cm (8 1/4")

Adson Dura Hook



Catalog #	Size, Profile
NS-234-20	20 cm (8"), Sharp
NS-235-20	20 cm (8"), Curved

Graham Dura Hook
Blunt



Catalog #	Size
NS-237-16	16.5 cm (6 1/2")

Sachs Dura Hook
Sharp



Catalog #	Size
NS-239-18	18 cm (7")

INCHES
MILLIMETERS



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

Frazier Dura Hook
Sharp



Catalog #	Size
NS-241-18	18 cm (7")

Hoen Nerve Retractor



Catalog #	Size
NS-245-22	22 cm (8 3/4")

Dandy Nerve Retractor



NS-251-01



NS-251-02



NS-251-03

Catalog #	Size
NS-251-01	20 cm (8")
NS-251-02	20 cm (8")
NS-251-03	20 cm (8")

Smithwick Nerve Retractor



Catalog #	Size
NS-253-29	29 cm (11 1/2")

Toennis Nerve Retractor



Catalog #	Size
NS-261-15	15 cm (6")



Dura Knives, Laminectomy Punches
 Duramesser, Laminektomiestanzen
 Bisturis para duramadre, Pinzas cortantes para laminectomía
 Bistouries pour duremère, Pincas emporte-pièces à laminectomie
 Bisturi per duramadre, Pinze taglianti per laminectomia

Toennis Brain Knife



Catalog #	Size
NS-280-18	18 cm (7")

Halle Brain Knife



Catalog #	Size
NS-282-20	20 cm (8")

**Ferris-Smith Kerrison Rongeur
Up Cutting**



Catalog #	Size, Bite Size
NS-300-01	15 cm (6"), 1 mm
NS-300-02	15 cm (6"), 2 mm
NS-300-03	15 cm (6"), 3 mm
NS-300-04	15 cm (6"), 4 mm
NS-300-05	15 cm (6"), 5 mm

**Ferris-Smith Kerrison Rongeur
Down Cutting**



Catalog #	Size, Bite Size
NS-301-01	15 cm (6"), 1 mm
NS-301-02	15 cm (6"), 2 mm
NS-301-03	15 cm (6"), 3 mm
NS-301-04	15 cm (6"), 4 mm
NS-301-05	15 cm (6"), 5 mm



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

Ferris-Smith Kerrison Rongeur
40° Forward Up Cutting



Catalog #	Size, Bite Size
NS-302-01	15 cm (6"), 1 mm
NS-302-02	15 cm (6"), 2 mm
NS-302-03	15 cm (6"), 3 mm
NS-302-04	15 cm (6"), 4 mm
NS-302-05	15 cm (6"), 5 mm



Ferris-Smith Kerrison Rongeur
40° Forward Down Cutting



Catalog #	Size, Bite Size
NS-303-01	15 cm (6"), 1 mm
NS-303-02	15 cm (6"), 2 mm
NS-303-03	15 cm (6"), 3 mm
NS-303-04	15 cm (6"), 4 mm
NS-303-05	15 cm (6"), 5 mm



Ferris-Smith Kerrison Rongeur
Up Cutting



Catalog #	Size, Bite Size
NS-304-01	18 cm (7"), 1 mm
NS-304-02	18 cm (7"), 2 mm
NS-304-03	18 cm (7"), 3 mm
NS-304-04	18 cm (7"), 4 mm
NS-304-05	18 cm (7"), 5 mm





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

Ferris-Smith Kerrison Rongeur
Down Cutting



Catalog #	Size, Bite Size
NS-305-01	18 cm (7"), 1 mm
NS-305-02	18 cm (7"), 2 mm
NS-305-03	18 cm (7"), 3 mm
NS-305-04	18 cm (7"), 4 mm
NS-305-05	18 cm (7"), 5 mm



Ferris-Smith Kerrison Rongeur
40° Forward Up Cutting



Catalog #	Size, Bite Size
NS-306-01	18 cm (7"), 1 mm
NS-306-02	18 cm (7"), 2 mm
NS-306-03	18 cm (7"), 3 mm
NS-306-04	18 cm (7"), 4 mm
NS-306-05	18 cm (7"), 5 mm



Ferris-Smith Kerrison Rongeur
40° Forward Down Cutting



Catalog #	Size, Bite Size
NS-307-01	18 cm (7"), 1 mm
NS-307-02	18 cm (7"), 2 mm
NS-307-03	18 cm (7"), 3 mm
NS-307-04	18 cm (7"), 4 mm
NS-307-05	18 cm (7"), 5 mm





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

Ferris-Smith Kerrison Rongeur
Up Cutting



Catalog #	Size, Bite Size
NS-308-01	20 cm (8"), 1 mm
NS-308-02	20 cm (8"), 2 mm
NS-308-03	20 cm (8"), 3 mm
NS-308-04	20 cm (8"), 4 mm
NS-308-05	20 cm (8"), 5 mm



Ferris-Smith Kerrison Rongeur
Down Cutting



Catalog #	Size, Bite Size
NS-309-01	20 cm (8"), 1 mm
NS-309-02	20 cm (8"), 2 mm
NS-309-03	20 cm (8"), 3 mm
NS-309-04	20 cm (8"), 4 mm
NS-309-05	20 cm (8"), 5 mm



Ferris-Smith Kerrison Rongeur
40° Forward Up Cutting



Catalog #	Size, Bite Size
NS-310-01	20 cm (8"), 1 mm
NS-310-02	20 cm (8"), 2 mm
NS-310-03	20 cm (8"), 3 mm
NS-310-04	20 cm (8"), 4 mm
NS-310-05	20 cm (8"), 5 mm





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

Ferris-Smith Kerrison Rongeur
40° Forward Down Cutting



Catalog #	Size, Bite Size
NS-311-01	20 cm (8"), 1 mm
NS-311-02	20 cm (8"), 2 mm
NS-311-03	20 cm (8"), 3 mm
NS-311-04	20 cm (8"), 4 mm
NS-311-05	20 cm (8"), 5 mm

Ferris-Smith Kerrison Rongeur
Detachable Model, Up Cutting



Catalog #	Size, Bite Size
NS-320-01	18 cm (7"), 1 mm
NS-320-02	18 cm (7"), 2 mm
NS-320-03	18 cm (7"), 3 mm
NS-320-04	18 cm (7"), 4 mm
NS-320-05	18 cm (7"), 5 mm

Ferris-Smith Kerrison Rongeur
Detachable Model, Down Cutting



Catalog #	Size, Bite Size
NS-321-01	18 cm (7"), 1 mm
NS-321-02	18 cm (7"), 2 mm
NS-321-03	18 cm (7"), 3 mm
NS-321-04	18 cm (7"), 4 mm
NS-321-05	18 cm (7"), 5 mm



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

Ferris-Smith Kerrison Rongeur
Detachable Model, 40° Forward Up Cutting

Catalog #	Size, Bite Size
NS-322-01	18 cm (7"), 1 mm
NS-322-02	18 cm (7"), 2 mm
NS-322-03	18 cm (7"), 3 mm
NS-322-04	18 cm (7"), 4 mm
NS-322-05	18 cm (7"), 5 mm



Ferris-Smith Kerrison Rongeur
Detachable Model, 40° Forward Down Cutting

Catalog #	Size, Bite Size
NS-323-01	18 cm (7"), 1 mm
NS-323-02	18 cm (7"), 2 mm
NS-323-03	18 cm (7"), 3 mm
NS-323-04	18 cm (7"), 4 mm
NS-323-05	18 cm (7"), 5 mm



Ferris-Smith Kerrison Rongeur
Detachable Model, Up Cutting

Catalog #	Size, Bite Size
NS-324-01	20 cm (8"), 1 mm
NS-324-02	20 cm (8"), 2 mm
NS-324-03	20 cm (8"), 3 mm
NS-324-04	20 cm (8"), 4 mm
NS-324-05	20 cm (8"), 5 mm





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

Ferris-Smith Kerrison Rongeur
Detachable Model, Down Cutting

Catalog #	Size, Bite Size
NS-325-01	20 cm (8"), 1 mm
NS-325-02	20 cm (8"), 2 mm
NS-325-03	20 cm (8"), 3 mm
NS-325-04	20 cm (8"), 4 mm
NS-325-05	20 cm (8"), 5 mm



Ferris-Smith Kerrison Rongeur
Detachable Model, 40° Up Cutting

Catalog #	Size, Bite Size
NS-326-01	20 cm (8"), 1 mm
NS-326-02	20 cm (8"), 2 mm
NS-326-03	20 cm (8"), 3 mm
NS-326-04	20 cm (8"), 4 mm
NS-326-05	20 cm (8"), 5 mm



Ferris-Smith Kerrison Rongeur
Detachable Model, 40° Down Cutting

Catalog #	Size, Bite Size
NS-327-01	20 cm (8"), 1 mm
NS-327-02	20 cm (8"), 2 mm
NS-327-03	20 cm (8"), 3 mm
NS-327-04	20 cm (8"), 4 mm
NS-327-05	20 cm (8"), 5 mm

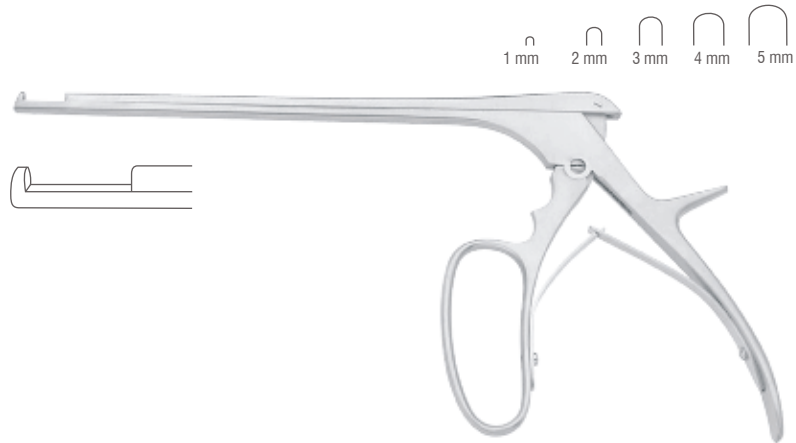




Laminectomy Punches
Laminektomiestanzen
Pinzas cortantes para laminectomía
Pincas emporte-pièces à laminectomie
Pinze taglianti per laminectomia

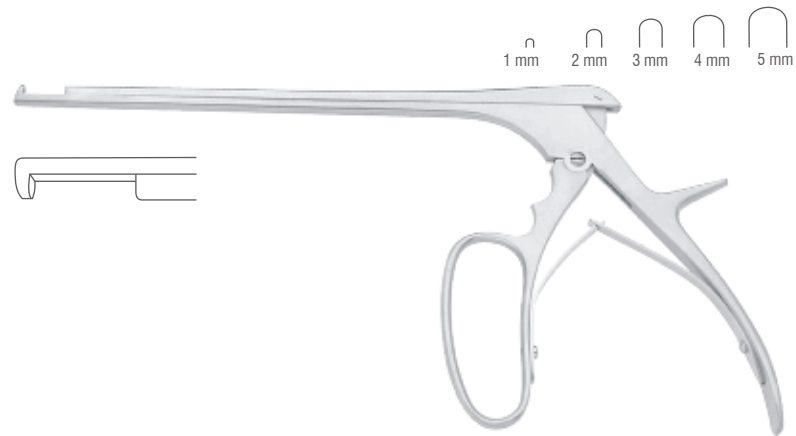
Ferris-Smith Kerrison Rongeur
Up Cutting

Catalog #	Size, Bite Size
NS-330-01	18 cm (7"), 1 mm
NS-330-02	18 cm (7"), 2 mm
NS-330-03	18 cm (7"), 3 mm
NS-330-04	18 cm (7"), 4 mm
NS-330-05	18 cm (7"), 5 mm



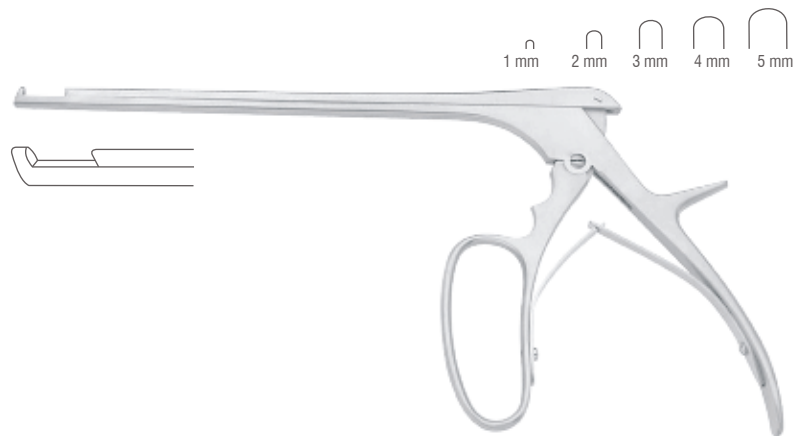
Ferris-Smith Kerrison Rongeur
Down Cutting

Catalog #	Size, Bite Size
NS-331-01	18 cm (7"), 1 mm
NS-331-02	18 cm (7"), 2 mm
NS-331-03	18 cm (7"), 3 mm
NS-331-04	18 cm (7"), 4 mm
NS-331-05	18 cm (7"), 5 mm



Ferris-Smith Kerrison Rongeur
40° Forward Up Cutting

Catalog #	Size, Bite Size
NS-332-01	18 cm (7"), 1 mm
NS-332-02	18 cm (7"), 2 mm
NS-332-03	18 cm (7"), 3 mm
NS-332-04	18 cm (7"), 4 mm
NS-332-05	18 cm (7"), 5 mm





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

Ferris-Smith Kerrison Rongeur
40° Forward Down Cutting



Catalog #	Size, Bite Size
NS-333-01	18 cm (7"), 1 mm
NS-333-02	18 cm (7"), 2 mm
NS-333-03	18 cm (7"), 3 mm
NS-333-04	18 cm (7"), 4 mm
NS-333-05	18 cm (7"), 5 mm

Ferris-Smith Kerrison Rongeur
Up Cutting



Catalog #	Size, Bite Size
NS-334-01	20 cm (8"), 1 mm
NS-334-02	20 cm (8"), 2 mm
NS-334-03	20 cm (8"), 3 mm
NS-334-04	20 cm (8"), 4 mm
NS-334-05	20 cm (8"), 5 mm

Ferris-Smith Kerrison Rongeur
Down Cutting



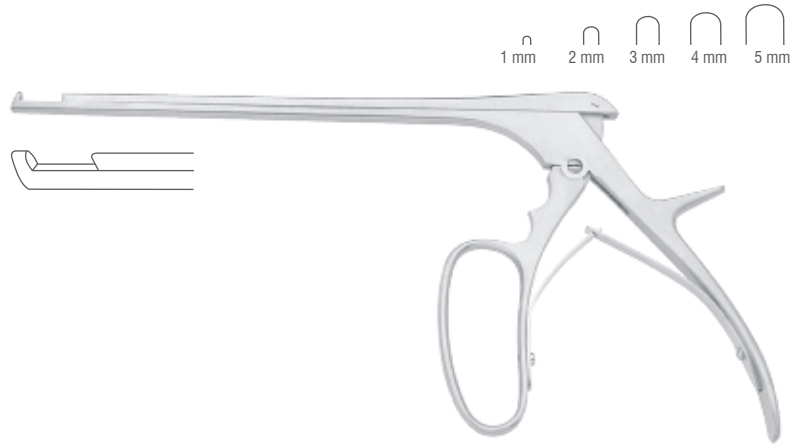
Catalog #	Size, Bite Size
NS-335-01	20 cm (8"), 1 mm
NS-335-02	20 cm (8"), 2 mm
NS-335-03	20 cm (8"), 3 mm
NS-335-04	20 cm (8"), 4 mm
NS-335-05	20 cm (8"), 5 mm



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

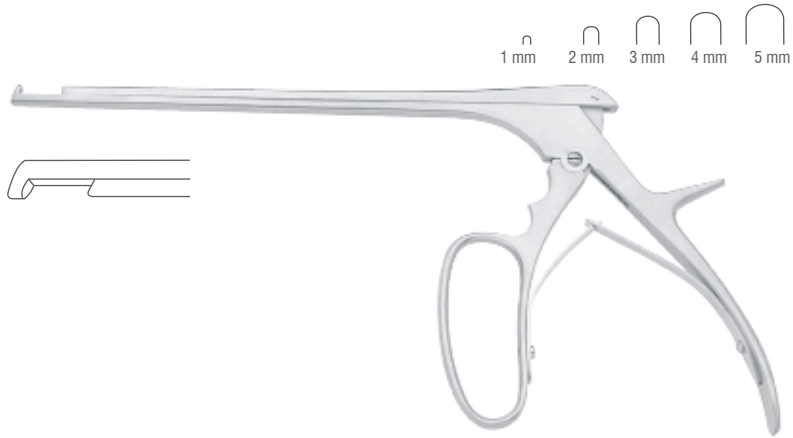
Ferris-Smith Kerrison Rongeur
40° Forward Up Cutting

Catalog #	Size, Bite Size
NS-336-01	20 cm (8"), 1 mm
NS-336-02	20 cm (8"), 2 mm
NS-336-03	20 cm (8"), 3 mm
NS-336-04	20 cm (8"), 4 mm
NS-336-05	20 cm (8"), 5 mm



Ferris-Smith Kerrison Rongeur
40° Forward Down Cutting

Catalog #	Size, Bite Size
NS-337-01	20 cm (8"), 1 mm
NS-337-02	20 cm (8"), 2 mm
NS-337-03	20 cm (8"), 3 mm
NS-337-04	20 cm (8"), 4 mm
NS-337-05	20 cm (8"), 5 mm



Cushing Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-400-01	13 cm (5"), 2 x 10 mm, Straight
NS-400-02	13 cm (5"), 2 x 10 mm, Up
NS-400-03	13 cm (5"), 2 x 10 mm, Down



Cushing Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-401-01	15 cm (6"), 2 x 10 mm, Straight
NS-401-02	15 cm (6"), 2 x 10 mm, Up
NS-401-03	15 cm (6"), 2 x 10 mm, Down





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

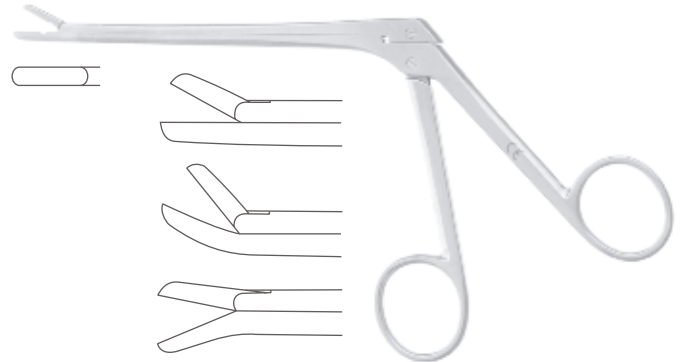
Cushing Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-402-01	18 cm (7"), 2 x 10 mm, Straight
NS-402-02	18 cm (7"), 2 x 10 mm, Up
NS-402-03	18 cm (7"), 2 x 10 mm, Down



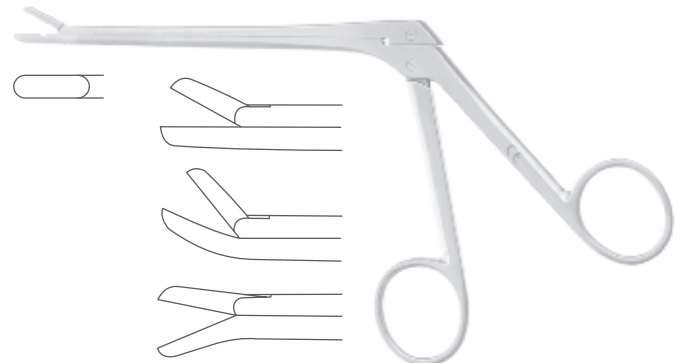
Cushing Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-403-01	20 cm (8"), 2 x 10 mm, Straight
NS-403-02	20 cm (8"), 2 x 10 mm, Up
NS-403-03	20 cm (8"), 2 x 10 mm, Down



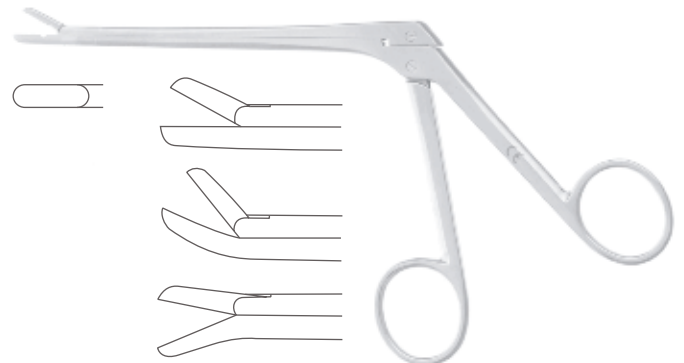
Love-Gruenwald Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-404-01	13 cm (5"), 3 x 10 mm, Straight
NS-404-02	13 cm (5"), 3 x 10 mm, Up
NS-404-03	13 cm (5"), 3 x 10 mm, Down



Love-Gruenwald Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-405-01	15 cm (6"), 3 x 10 mm, Straight
NS-405-02	15 cm (6"), 3 x 10 mm, up
NS-405-03	15 cm (6"), 3 x 10 mm, Down



INCHES
MILLIMETERS



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

Love-Gruenwald Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-406-01	18 cm (7"), 3 x 10 mm, Straight
NS-406-02	18 cm (7"), 3 x 10 mm, Up
NS-406-03	18 cm (7"), 3 x 10 mm, Down



Love-Gruenwald Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-407-01	20 cm (8"), 3 x 10 mm, Straight
NS-407-02	20 cm (8"), 3 x 10 mm, Up
NS-407-03	20 cm (8"), 3 x 10 mm, Down



Spurling Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-408-01	13 cm (5"), 4 x 10 mm, Straight
NS-408-02	13 cm (5"), 4 x 10 mm, Up
NS-408-03	13 cm (5"), 4 x 10 mm, Down



Spurling Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-409-01	15 cm (6"), 4 x 10 mm, Straight
NS-409-02	15 cm (6"), 4 x 10 mm, Up
NS-409-03	15 cm (6"), 4 x 10 mm, Down





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

Spurling Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-410-01	18 cm (7"), 4 x 10 mm, Straight
NS-410-02	18 cm (7"), 4 x 10 mm, up
NS-410-03	18 cm (7"), 4 x 10 mm, Down



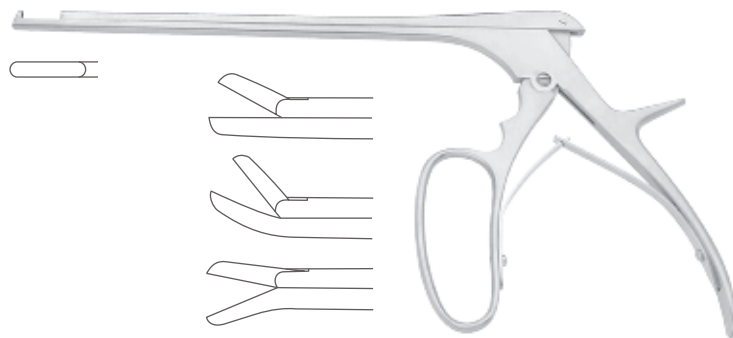
Spurling Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-411-01	20 cm (8"), 4 x 10 mm, Straight
NS-411-02	20 cm (8"), 4 x 10 mm, Up
NS-411-03	20 cm (8"), 4 x 10 mm, Down



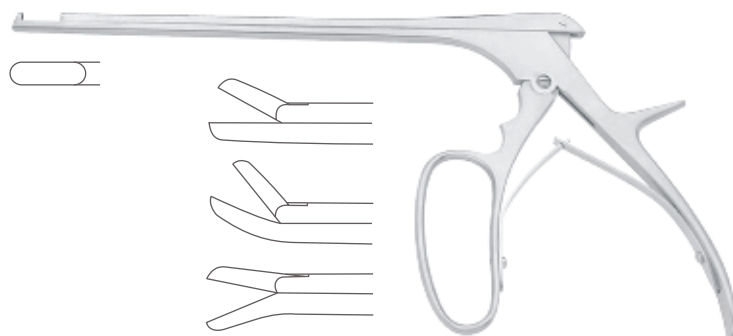
Ferris-Smith Laminectomy Rongeur
Straight

Catalog #	Size, Bite Size, Profile
NS-430-01	15.5 cm (6"), 2 mm, Straight
NS-430-02	15.5 cm (6"), 2 mm, Up
NS-430-03	15.5 cm (6"), 2 mm, Down



Ferris-Smith Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-431-01	18 cm (7"), 3 mm, Straight
NS-431-02	18 cm (7"), 3 mm, Up
NS-431-03	18 cm (7"), 3 mm, Down





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

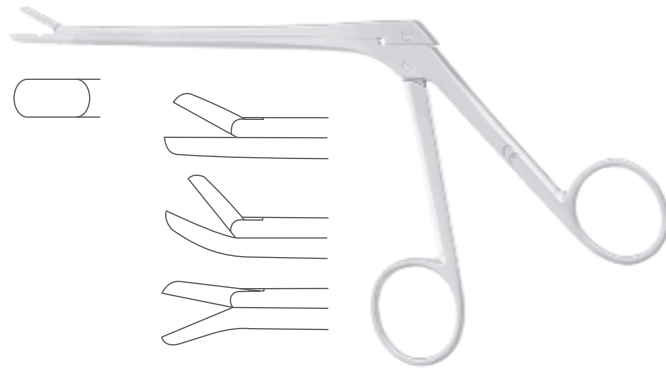
Ferris-Smith Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-432-01	18 cm (7"), 4 mm, Straight
NS-432-02	18 cm (7"), 4 mm, Up
NS-432-03	18cm (7"), 4 mm, Down



Ferris-Smith Laminectomy Rongeur

Catalog #	Size, Bite Size, Profile
NS-433-01	18 cm (7"), 5 mm, Straight
NS-433-02	18 cm (7"), 5 mm, Up
NS-433-03	18 cm (7"), 5 mm, Down



Laminectomy Rongeur
Fenestrated and Serrated Jaws

Catalog #	Size, Bite Size, Profile
NS-440-01	18 cm (7"), 2 x 12 mm, Straight
NS-440-02	18 cm (7"), 2 x 12 mm, Up
NS-440-03	18 cm (7"), 2 x 12 mm, Down



Laminectomy Rongeur
Fenestrated and Serrated Jaws

Catalog #	Size, Bite Size, Profile
NS-441-01	18 cm (7"), 3 x 12 mm, Straight
NS-441-02	18 cm (7"), 3 x 12 mm, Up
NS-441-03	18 cm (7"), 3 x 12 mm, Down





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

Laminectomy Rongeur
Straight, Fenestrated and Serrated Jaws

Catalog #	Size, Bite Size, Profile
NS-442-01	18 cm (7"), 4 x 14 mm, Straight
NS-442-02	18 cm (7"), 4 x 14 mm, Up
NS-442-03	18 cm (7"), 4 x 14 mm, Down



Laminectomy Rongeur
Fenestrated and Serrated Jaws

Catalog #	Size, Bite Size, Profile
NS-443-01	18 cm (7"), 5 x 14 mm, Straight
NS-443-02	18 cm (7"), 5 x 14 mm, Up
NS-443-03	18 cm (7"), 5 x 14 mm, Down



Laminectomy Rongeur
Fenestrated and Serrated Jaws

Catalog #	Size, Bite Size, Profile
NS-444-01	18 cm (7"), 6 x 14 mm, Straight
NS-444-02	18 cm (7"), 6 x 14 mm, Up
NS-444-03	18 cm (7"), 6 x 14 mm, Down



Schlesinger Laminectomy Rongeur
Serrated Jaws

Catalog #	Size, Bite Size
NS-451-02	13 cm (5"), 2 x 10 mm
NS-451-03	13 cm (5"), 3 x 10 mm
NS-451-04	13 cm (5"), 4 x 10 mm





Laminectomy Punches, Micro Neuro Instruments
Laminektomiestanzen, Mikro Neuro Instrumente
Pinzas cortantes para laminectomia, Micro Neuro Instrumentos
Pinces emporte-pièces à laminectomie, Micro Neuro Instruments
Pinze taglienti per laminectomia, Micro Neuro Strumenti

Yasargil Tumor Grasping Forcep

Catalog #	Size, Bite Size
NS-461-35	20 cm (8"), Ø 3.5 mm



Oldberg Tumor Grasping Forcep

Catalog #	Size, Bite Size
NS-463-60	18 cm (7"), Ø 6.5 mm



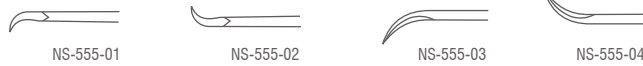
Jacobson Micro Knife
Straight

Catalog #	Size
NS-550-18	18.5 cm (7 1/4")



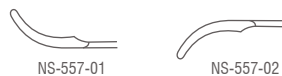
Koos Micro Knife
Bayonet Shaped

Catalog #	Size, Bite Size
NS-555-01	18.5 cm (7 1/4")
NS-555-02	18.5 cm (7 1/4")
NS-555-03	18.5 cm (7 1/4")
NS-555-04	18.5 cm (7 1/4")



Koos Micro Knife
Bayonet Shaped

Catalog #	Size
NS-557-01	18.5 cm (7 1/4")
NS-557-02	18.5 cm (7 1/4")





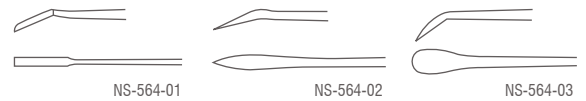
Micro Neuro Instruments
Mikro Neuro Instrumente
Micro Neuro Instrumentos
Micro Neuro Instruments
Micro Neuro Strumenti

Yasargil Micro Knife
Bayonet Shaped



Catalog #	Size
NS-559-01	18.5 cm (7 1/4")
NS-559-02	18.5 cm (7 1/4")

Yasargil Micro Respiratory
Straight



Catalog #	Size
NS-564-01	18.5 cm (7 1/4")
NS-564-02	18.5 cm (7 1/4")
NS-564-03	18.5 cm (7 1/4")
NS-564-04	18.5 cm (7 1/4")
NS-564-05	18.5 cm (7 1/4")



Yasargil Micro Respiratory
Bayonet Shaped



Catalog #	Size
NS-565-01	18.5 cm (7 1/4")
NS-565-02	18.5 cm (7 1/4")
NS-565-03	18.5 cm (7 1/4")

Yasargil Micro Curette
Bayonet Shaped



Catalog #	Size
NS-567-18	18.5 cm (7 1/4")

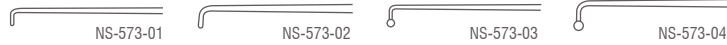


Micro Nerve & Vessel Hook



Catalog #	Size, Tip Length
NS-571-01	18.5 cm (7 1/4"), 3.0 mm
NS-571-02	18.5 cm (7 1/4"), 5.0 mm

Krayenbuhl Micro Nerve & Vessel Hook



Catalog #	Size, Profile
NS-573-01	18.5 cm (7 1/4"), Fig. 1
NS-573-02	18.5 cm (7 1/4"), Fig. 2
NS-573-03	18.5 cm (7 1/4"), Fig. 3
NS-573-04	18.5 cm (7 1/4"), Fig. 4



Yasargil Ligature Guide



Catalog #	Size, Profile
NS-575-01	18.5 cm (7 1/4"), Fig. 1
NS-575-02	18.5 cm (7 1/4"), Fig. 2
NS-575-03	18.5 cm (7 1/4"), Fig. 3
NS-575-04	18.5 cm (7 1/4"), Fig. 4



Micro Vessel Dilator

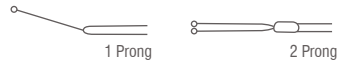


Catalog #	Size, Diameter, Profile
NS-577-01	12.5 cm (5"), Ø 0.5 mm, Fig. 1
NS-577-02	12.5 cm (5"), Ø 1.0 mm, Fig. 2
NS-577-03	12.5 cm (5"), Ø 1.5 mm, Fig. 3



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

Jacobson Micro Vessel Probe



Catalog #	Size, Profile
NS-579-01	18.5 cm (7 1/4"), 1 Prong
NS-579-02	18.5 cm (7 1/4"), 2 Prong

Jacobson Micro Suture Pusher



Catalog #	Size
NS-579-03	18.5 cm (7 1/4")

Rhoton Micro Dissector

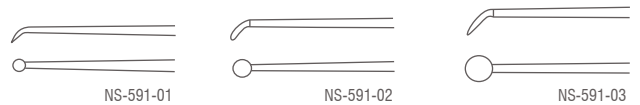
Set of 15 Ref: NS-591-01 up to NS-591-15



Catalog #	Size
NS-590-00	N/A

Rhoton Micro Dissector

Round Shaped

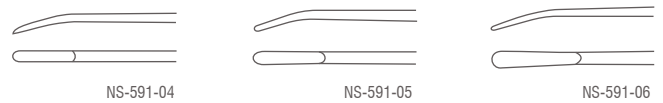


Catalog #	Size, Diameter
NS-591-01	18.5 cm (7 1/4"), Ø 1.0 mm
NS-591-02	18.5 cm (7 1/4"), Ø 2.0 mm
NS-591-03	18.5 cm (7 1/4"), Ø 3.0 mm



Rhoton Micro Dissector

Spatula Shaped



Catalog #	Size, Tip Size
NS-591-04	18.5 cm (7 1/4"), 1.0 mm
NS-591-05	18.5 cm (7 1/4"), 1.5 mm
NS-591-06	18.5 cm (7 1/4"), 2.0 mm



INCHES
MILLIMETERS



Rhoton Micro Elevator



Catalog #	Size, Tip Size
NS-591-07	18.5 cm (7 1/4"), 1.2 mm
NS-591-08	18.5 cm (7 1/4"), 2.8 mm

Rhoton Micro Needle
Semi, Sharp



Catalog #	Size
NS-591-09	18.5 cm (7 1/4")

Rhoton Micro Hook
Angled 90°, Blunt



Catalog #	Size, Tip Size
NS-591-10	18.5 cm (7 1/4"), 2 mm

Rhoton Micro Hook
Angled 90°, Semi Sharp



Catalog #	Size, Tip Size
NS-591-11	18.5 cm (7 1/4"), 2 mm

Rhoton Micro Hook
Angled 45°, Semi Sharp



Catalog #	Size, Tip Size
NS-591-12	18.5 cm (7 1/4"), 3 mm



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

Rhoton Micro Hook
Angled 90°



Catalog #	Size
NS-591-13	18.5 cm (7 1/4")

Rhoton Micro Curette



Catalog #	Size, Tip Size
NS-591-14	18.5 cm (7 1/4"), 1.0 x 2.0 mm

Rhoton Micro Curette
Angled 45°



Catalog #	Size, Tip Size
NS-591-15	18.5 cm (7 1/4"), 1.0 x 2.0 mm

Yasargil Micro Elevator
Bayonet Shaped



Catalog #	Size
NS-607-24	24 cm (9 1/2")

Yasargil Micro Elevator
Bayonet Shaped



Catalog #	Size
NS-611-24	24 cm (9 1/2")



Yasargil Micro Raspatory
Bayonet Shaped

Catalog #	Size
NS-613-24	24 cm (9 1/2")



Yasargil Micro Dissector
Bayonet Shaped

Catalog #	Size
NS-615-01	24 cm (9 1/2")
NS-615-02	24 cm (9 1/2")



Yasargil Micro Needle
Bayonet Shaped, Semi Sharp

Catalog #	Size
NS-618-24	24 cm (9 1/2")



Yasargil Micro Curette
Straight

Catalog #	Size
NS-631-01	24 cm (9 1/2")



Yasargil Micro Curette
Angled

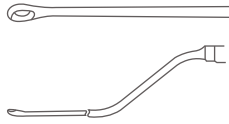
Catalog #	Size
NS-633-01	24 cm (9 1/2")





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

Yasargil Micro Curette
Bayonet Shaped



Catalog #	Size
NS-635-01	24 cm (9 1/2")



Hardy Micro Sickle Dissector
Bayonet Shaped, Blunt



Catalog #	Size
NS-651-01	24 cm (9 1/2")
NS-651-02	24 cm (9 1/2")

Hardy Micro Sickle Dissector
Bayonet Shaped, Sharp



Catalog #	Size
NS-651-03	24 cm (9 1/2")
NS-651-04	24 cm (9 1/2")

Hardy Implant Fork
Bayonet Shaped



Catalog #	Size
NS-655-24	24 cm (9 1/2")

Hardy-Fahlbusch Micro Dissector
Bayonet Shaped Sharp



Catalog #	Size
NS-659-01	24 cm (9 1/2")
NS-659-02	24 cm (9 1/2")



Casper Micro Dissector

Set of 6 Ref: NS-671-10 up to NS-675-10



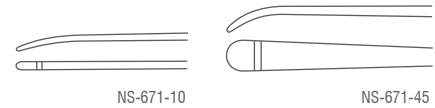
Catalog #	Size
NS-670-00	N/A

Casper Micro Dissector

Straight



Catalog #	Size, Tip Size
NS-671-10	24 cm (9 1/2"), 1.0 mm
NS-671-45	24 cm (9 1/2"), 4.5 mm

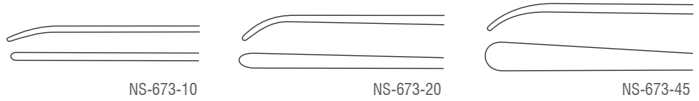


Casper Micro Dissector

Bayonet Shaped, Curved Down



Catalog #	Size, Tip Size
NS-673-10	24 cm (9 1/2"), 1.0 mm
NS-673-20	24 cm (9 1/2"), 2.0 mm
NS-673-45	24 cm (9 1/2"), 4.5 mm

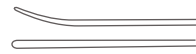


Casper Micro Dissector

Bayonet Shaped, Curved Up



Catalog #	Size, Tip Size
NS-675-10	24 cm (9 1/2"), 1.0 mm

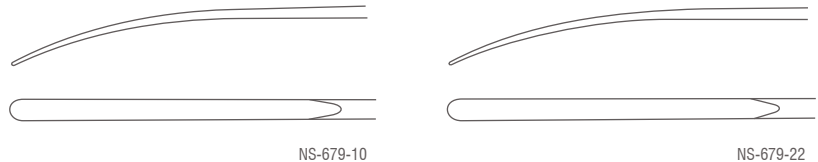


Micro Dissector

Straight



Catalog #	Size
NS-679-19	19 cm (7 1/2")
NS-679-22	21.5 cm (8 1/2")





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

Ray Micro Curette
Angled 45°, Horizontal



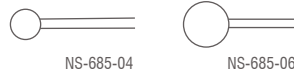
Catalog #	Size, Diameter
NS-681-01	19 cm (7 1/2"), Ø 4.0 mm

Ray Micro Curette
Angled 45°, Vertical



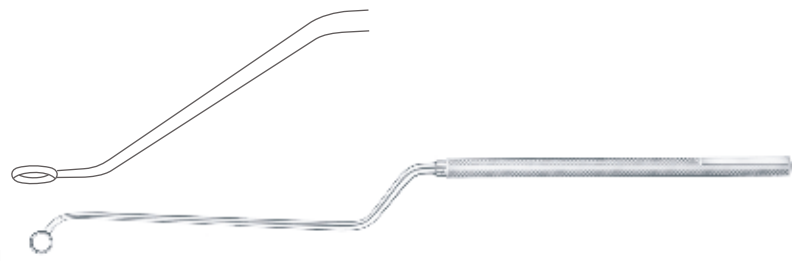
Catalog #	Size, Diameter
NS-681-02	19 cm (7 1/2"), Ø 4.0 mm

Hardy Micro Curette
Bayonet Shaped



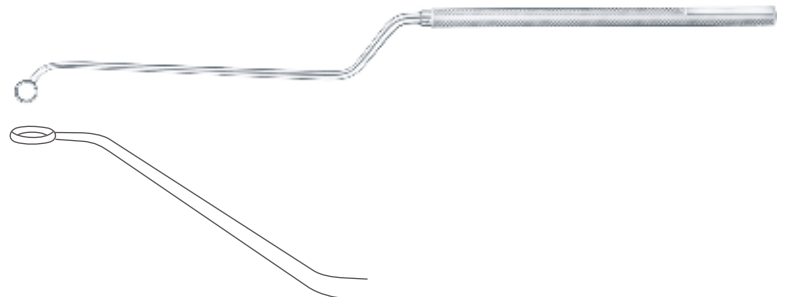
Catalog #	Size, Diameter
NS-685-04	26 cm (10 1/4"), Ø 4.0 mm
NS-685-06	26 cm (10 1/4"), Ø 6.0 mm

Nicola Micro Curette
Bayonet Shaped, Left



Catalog #	Size, Diameter
NS-689-01	21.5 cm (8 1/2"), Ø 6.5 mm

Nicola Micro Curette
Bayonet Shaped, Right



Catalog #	Size, Diameter
NS-689-02	21.5 cm (8 1/2"), Ø 6.5 mm



Nicola Micro Curette
Bayonet Shaped, Angled Up



Catalog #	Size, Diameter
NS-689-03	21.5 cm (8 1/2"), Ø 6.5 mm

Hosobuchi Fork Spatula
Bayonet Shaped, Rigid



Catalog #	Size
NS-695-26	26 cm (10 1/4")

Landolt Micro Curette
Bayonet Shaped, Malleable



Catalog #	Size
NS-697-26	26 cm (10 1/4")

Landolt Micro Curette
Bayonet Shaped, Blunt, Malleable



Catalog #	Size
NS-699-26	26 cm (10 1/4")

Landolt Micro Raspatory
Bayonet Shaped, Malleable



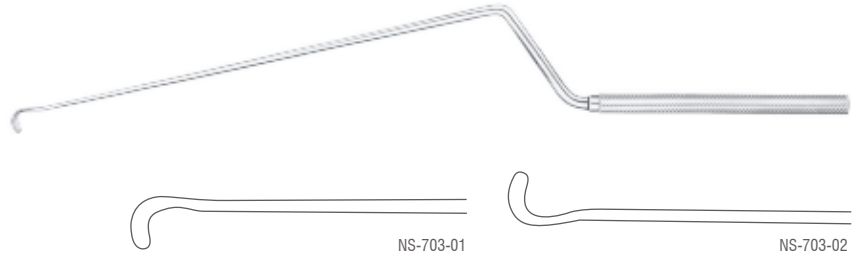
Catalog #	Size
NS-701-26	26 cm (10 1/4")



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

Landolt Micro Enucleator
Bayonet Shaped

Catalog #	Size
NS-703-01	26 cm (10 1/4")
NS-703-02	26 cm (10 1/4")



Landolt-Reulen Micro Dissector
Bayonet Shaped, Rigid

Catalog #	Size, Tip Size
NS-711-26	26 cm (10 1/4"), 2.0 mm



Landolt-Reulen Micro Hook
Bayonet Shaped, Blunt, Rigid

Catalog #	Size, Tip Size
NS-713-26	26 cm (10 1/4"), 1.7 mm



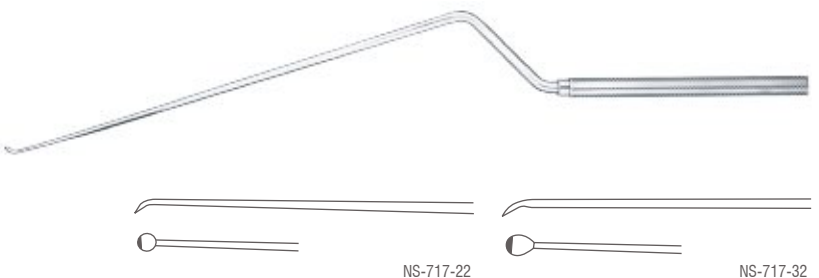
Landolt-Reulen Micro Curette
Bayonet Shaped, Rigid

Catalog #	Size, Diameter
NS-715-26	26 cm (10 1/4"), Ø 2.5 mm



Landolt-Reulen Micro Raspatory
Bayonet Shaped, Rigid

Catalog #	Size, Tip Size
NS-717-22	26 cm (10 1/4"), 2.2 mm
NS-717-32	26 cm (10 1/4"), 2.2 mm



INCHES
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Micro Neuro Instruments
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Fahlbusch Micro Curette
Bayonet Shaped, Malleable



Catalog #	Size, Diameter
NS-719-01	26 cm (10 1/4"), Ø 2.5 mm

Fahlbusch Micro Scoop
Bayonet Shaped, Malleable



Catalog #	Size
NS-719-02	26 cm (10 1/4")

Cushing-Landolt Specula



Catalog #	Size, Blade Size
NS-751-01	N/A, 70 x 15 mm
NS-751-02	N/A, 90 x 15 mm
NS-751-03	N/A, 110 x 15 mm

Landolt Spcula



Catalog #	Size
NS-755-21	21.5 cm (8 1/2")

Mirror



Catalog #	Diameter
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

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Mirror Handle
Bayonet Shaped

Catalog #	Size
NS-792-00	15 cm (6")

