



TALENT
S U R G I C A L



NEUROSURGERY SURGICAL INSTRUMENTS

We make more
than 1385 surgical
instruments.

We are proud to
manufacture
premium quality
instruments.



Certification:



Registered with Therapeutic Goods Australia (Scissors)
Registered with Therapeutic Goods Australia (Needle Holder)
Registered with Therapeutic Goods Australia (Forceps)

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TALENT
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Neurosurgery

Skull Opening	004 - 009
Micro Scissors	010 - 113
Micro Forceps	014 - 015
Tumor Forceps	016 - 017
Micro Needle Holders	018
MIN Instruments	019 - 023
SENSATION Instruments	024 - 031
XS Instruments	032 - 036
EC/IC Bypass Instruments	037 - 039
Skull Base Instruments	040 - 041
Micro Dissectors/Rasps/Hooks	042 - 058
Suture and Ligature Instruments	059
Dural Separators	060
Knives	061 - 062
Pituitary Instruments	063 - 079
Suction Cannulas	080 - 088
Elevators	089
Retractors and Handrest Systems	090 - 098
Brain Spatulas	099



TSIN01

ScalpFix® Applicator, Polymer

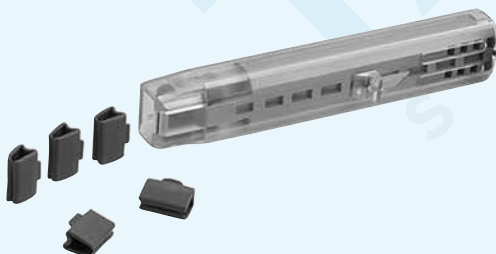
Catalog Number
TSIN01



TSIN02

ScalpFix Applicator, Aluminum

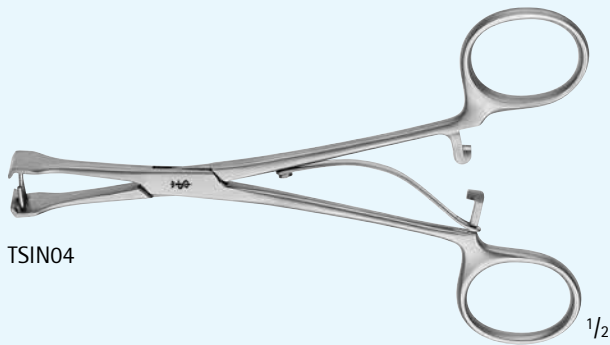
Catalog Number
TSIN02



TSIN03

ScalpFix Scalp Clip, Single Use

Catalog Number	Packaging
TSIN03	BOX = 20 PAC OF 10 PC (200 CLIPS TOTAL)



TSIN04

1/2

ScalpFix® Removal Forceps

Catalog Number	Length (in.)
TSIN04	6

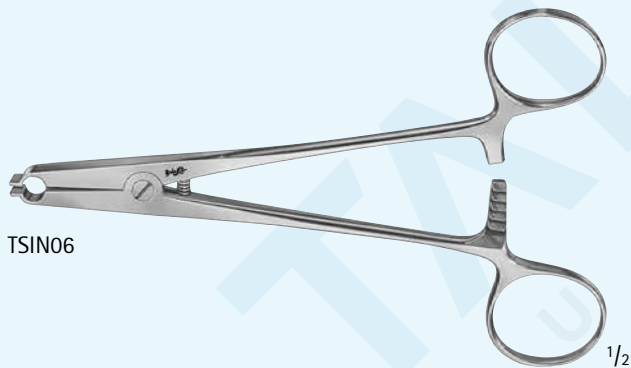


TSIN05

1/1

RANEY Plastic Scalp Hemostasis Clip, Sterile

Catalog Number	Sales Unit
TSIN05	BOX = 20 PACK OF 10 PC (200 CLIPS TOTAL)



TSIN06

1/2

RANEY Applying and Removing Forceps for Scalp Hemostasis Clips

Catalog Number	Compatible w/	Length (in.)
TSIN06	FF015P	6 1/4



TSIN07

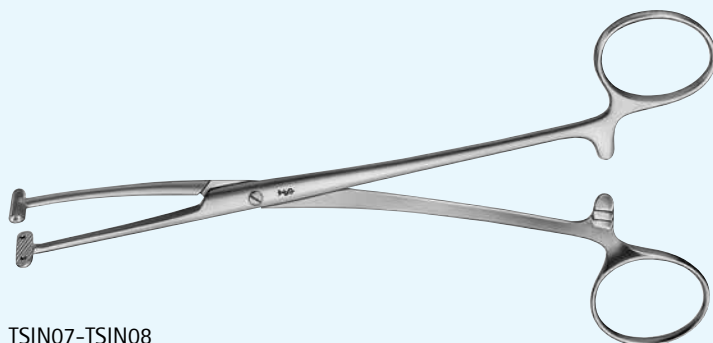
1/2

Scalp Hemostasis Clip

Catalog Number	Sales Unit
TSIN07	BOX OF 10

Scalp Flap Forceps

Catalog Number	Author	Shape	Length (in.)
TSIN07	DEMARTEL	SLIGHT-CVD	5 1/4
TSIN08	WILLETT-DEMARTEL	SLIGHT-CVD	7 1/4



TSIN07-TSIN08



TSIN07



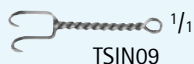
TSIN08



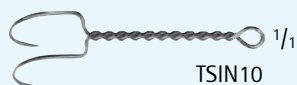
TSIN09-FTSIN10

YASARGIL Spring Hook, F/ Galea Fixation W/ Bulldog Clamp

Catalog Number	Tip
TSIN09	SMALL
TSIN10	LARGE



TSIN09



TSIN10

Galea Hook, W/ Ball Chain

Catalog Number	Compatible w/
TSIN11	FF154R



TSIN11



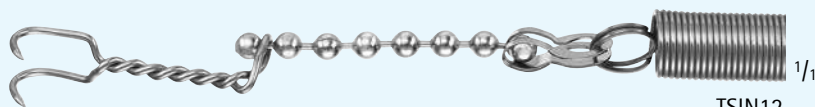
TSIN11

Galea Hook, W/ Ball Chain and Spiral Spring

Catalog Number	Compatible w/
TSIN12	FF154R



TSIN12



TSIN12



TSIN13

HUDSON Drill Brace

Catalog Number
TSIN13



TSIN14

HUDSON Drill Brace Extension

Catalog Number
TSIN14



TSIN15



TSIN16



TSIN17



TSIN18

HUDSON Burr

Catalog Number	Diameter (mm)
TSIN15	9.0
TSIN16	14.0
TSIN17	16.0
TSIN18	22.0



TSIN19

ADSON Burr

Catalog Number	Diameter (mm)
TSIN19	15.0



TSIN20

MCKENZIE Twist Drill

Catalog Number	Diameter (mm)
TSIN20	13.0



TSIN21

CUSHING Flat Drill

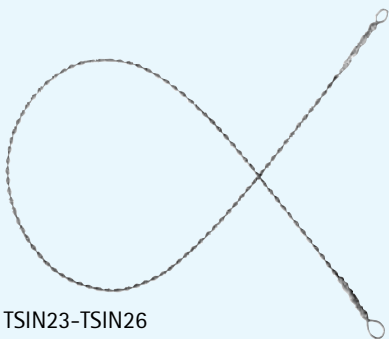
Catalog Number	Diameter (mm)
TSIN21	14.0



TSIN22

Twist Drill

Catalog Number	Diameter (mm)
TSIN22	2.0



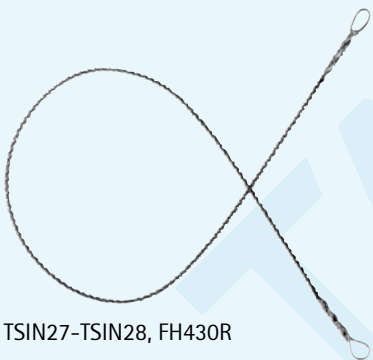
TSIN23-TSIN26



TSIN23-TSIN26

Olivecrona Wire Saw

Catalog Number	Diameter (mm)	Sales Unit	Length (in.)
TSIN23	1.2	BOX OF 5	11 3/4
TSIN24	1.2	BOX OF 5	15 3/4
TSIN25	1.2	BOX OF 5	19 3/4
TSIN26	1.2	BOX OF 5	27 1/2



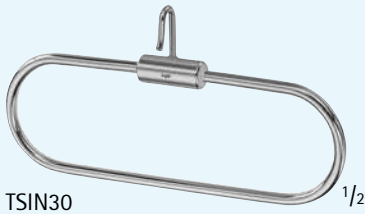
TSIN27-TSIN28, FH430R



TSIN27-TSIN28, TSIN29

Gigli Wire Saw

Catalog Number	Diameter (mm)	Wires	Sales Unit	Length (in.)
TSIN27	1.4	6	BOX OF 5	15 3/4
TSIN28	1.4	6	BOX OF 5	19 3/4
TSIN29	1.8	4	BOX OF 5	19 3/4



GIGLI Saw Handle F/ Wire Saws

Catalog Number	Packaging
TSIN30	2 PER PACKAGE



GIGLI Hook Handle, F/ Wire Saws

Catalog Number	Packaging
TSIN31	2/SET

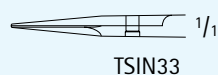


DEMARTEL Conductor

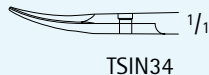
Catalog Number	Compatible w/	Length (in.)
TSIN32	GIGLI AND OLIVECRONA WIRE SAWS	13 3/4



TSIN33-TSIN34



TSIN33



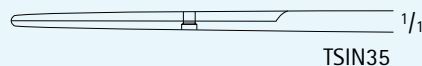
TSIN34

YASARGIL Micro Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN33	S/S	STR	6 1/2
TSIN34	S/S	CVD-UP	6 1/2



TSIN35



TSIN35

YASARGIL Micro Dissecting Scissors

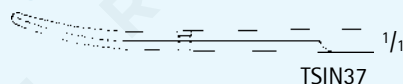
Catalog Number	Tip	Blade	Length (in.)
TSIN35	B/B	STR	7 1/4



TSIN36-TSIN37



TSIN36



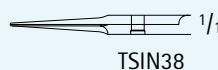
TSIN37

YASARGIL Micro Dissecting Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN36	B/B	STR, SERR	7 7/8
TSIN37	B/B	CVD-UP, SERR	7 7/8



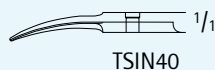
TSIN38-TSIN40



TSIN38



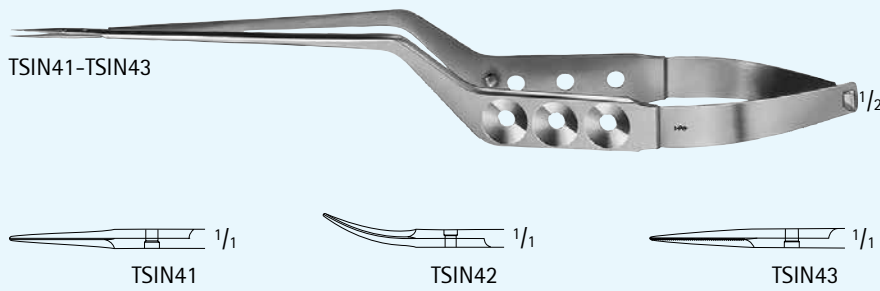
TSIN39



TSIN40

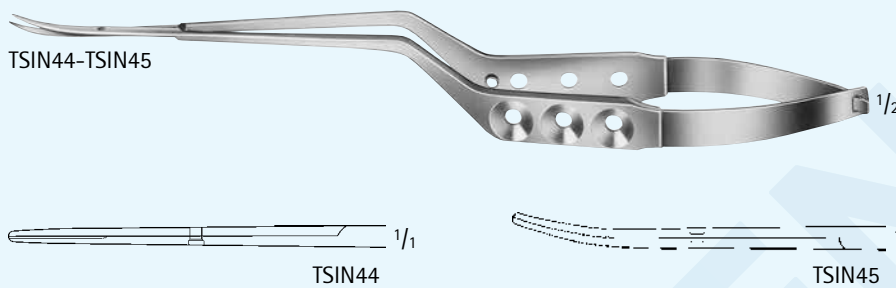
YASARGIL Micro Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN38	S/S	STR, SERR	7 7/8
TSIN39	S/S	CVD-UP, SERR	7 7/8
TSIN40	S/S	CVD-DOWN, SERR	7 7/8



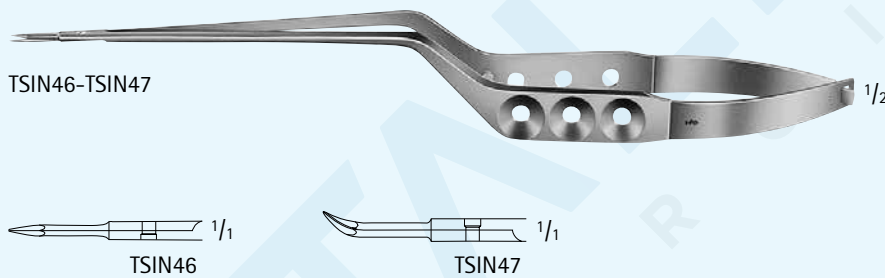
YASARGIL Micro Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN41	S/S	STR	8 7/8
TSIN42	S/S	CVD-UP	8 7/8
TSIN43	S/S	STR, TOOTHED	8 7/8



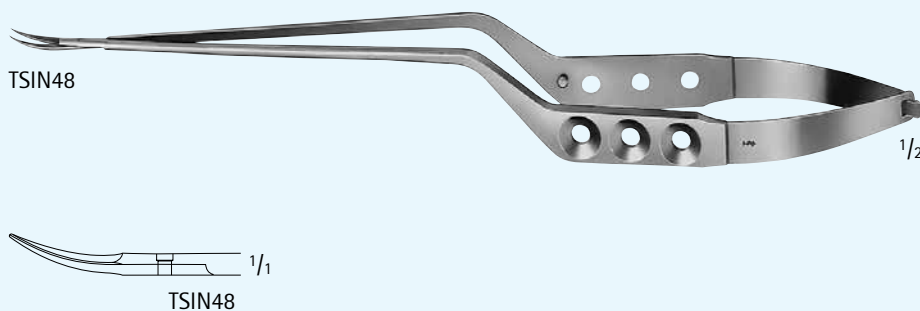
YASARGIL Micro Dissecting Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN44	S/S	STR	8 7/8
TSIN45	S/S	CVD-UP	8 7/8



YASARGIL Micro Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN46	S/S	STR	8 7/8
TSIN47	S/S	CVD-UP	8 7/8



YASARGIL Micro Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN48	S/S	CVD-UP	9 5/8

TSIN49

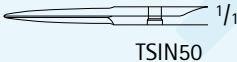


TSIN49

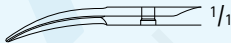
YASARGIL Wire Cutting Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN49	S/S	1-SERR	8 1/4

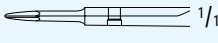
TSIN50-TSIN53



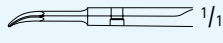
TSIN50



TSIN51



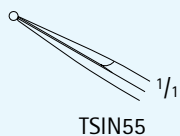
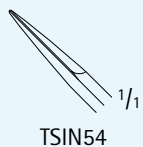
TSIN52



TSIN53

Micro Vessel Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN50	S/S	STR	7 1/2
TSIN51	S/S	CVD	7 1/2
TSIN52	S/S	DEL, STR	7 1/2
TSIN53	S/S	DEL, CVD	7 1/2



NAGEL Micro Scissors

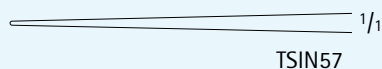
Catalog Number	Tip	Blade	Length (in.)
TSIN54	S/S	45°	7 7/8
TSIN55	1 BALL-PT	45°	7 7/8



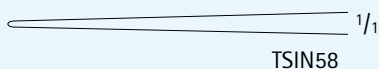
DEBAKEY Circumflex Micro Scissors

Catalog Number	Tip	Blade	Length (in.)
TSIN56	S/S	125°	7 1/2

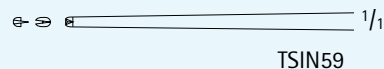
TSIN57-TSIN59



TSIN57



TSIN58

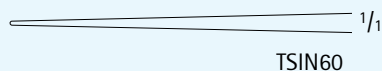
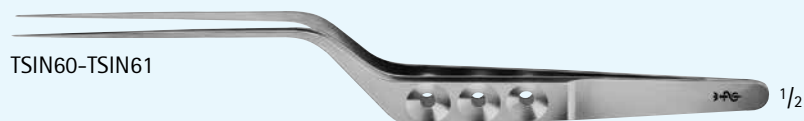


TSIN59

YASARGIL Micro Forceps,
Bayonet-Shaped

Catalog Number	Tip Size (mm)	Teeth	Length (in.)
TSIN57	0.6	-	7
TSIN58	0.9	-	7
TSIN59	-	1 x 2	7

TSIN60-TSIN61



TSIN60



TSIN61

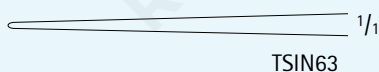
YASARGIL Micro Forceps,
Bayonet-Shaped

Catalog Number	Tip Size (mm)	Length (in.)
TSIN60	0.6	7 7/8
TSIN61	0.9	7 7/8

TSIN62-TSIN63



TSIN62

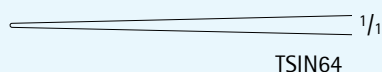


TSIN63

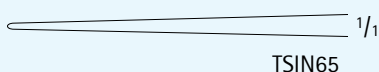
YASARGIL Micro Forceps,
Bayonet-Shaped

Catalog Number	Tip Size (mm)	Length (in.)
TSIN62	0.6	8 3/4
TSIN63	0.9	8 3/4

TSIN64-TSIN65



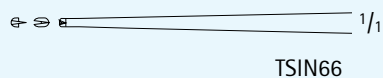
TSIN64



TSIN65

YASARGIL Micro Forceps,
Bayonet-Shaped

Catalog Number	Tip Size (mm)	Length (in.)
TSIN64	0.6	9 1/2
TSIN65	0.9	9 1/2



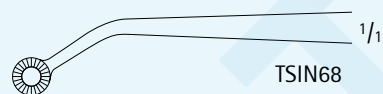
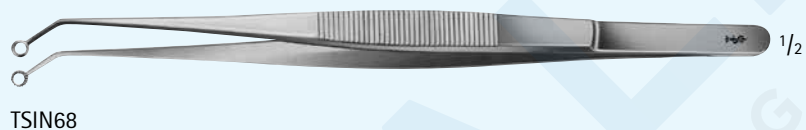
Gruenwald Micro Forceps,
Bayonet-Shaped

Catalog Number	Teeth	Length (in.)
TSIN66	1 x 2	6 1/4



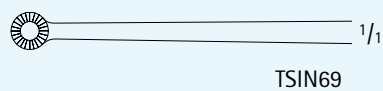
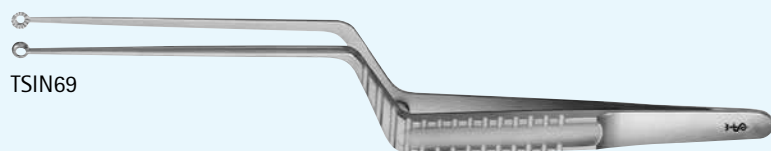
PENFIELD Watchmaker Forceps

Catalog Number	Length (in.)
TSIN67	7



HUNT Grasping Forceps,
Bayonet-Shaped

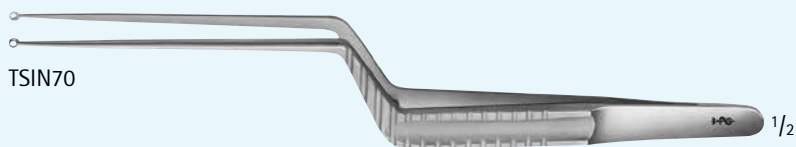
Catalog Number	Tip	Shape	Diameter (mm)	Length (in.)
TSIN68	ANG	STR	4.5	7 7/8



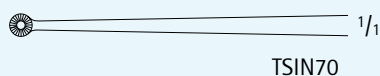
HUNT Grasping Forceps,
Bayonet-Shaped

Catalog Number	Tip	Shape	Diameter (mm)	Length (in.)
TSIN69	STR	BAYONET	4.5	7 7/8





TSIN70



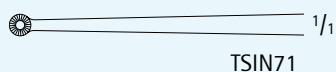
TSIN70

YASARGIL Grasping Forceps,
Bayonet-Shaped

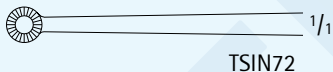
Catalog Number	Tip	Shape	Diameter (mm)	Length (in.)
TSIN70	STR	BAYONET	3.0	7 7/8



TSIN71-TSIN72



TSIN71



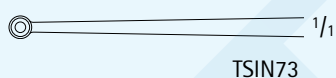
TSIN72

YASARGIL Micro Forceps,
Bayonet-Shaped

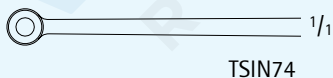
Catalog Number	Diameter (mm)	Length (in.)
TSIN71	3.0	7 7/8
TSIN72	5.0	7 7/8



TSIN73-TSIN74



TSIN73



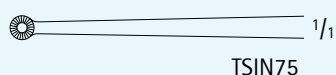
TSIN74

YASARGIL Grasping Forceps,
Bayonet-Shaped

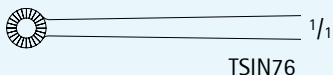
Catalog Number	Jaw	Diameter (mm)	Length (in.)
TSIN73	SPOON-SHAPED	3.0	8 3/4
TSIN74	SPOON-SHAPED	5.0	8 3/4



TSIN75-TSIN76



TSIN75



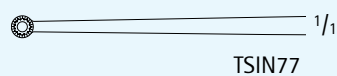
TSIN76

YASARGIL Grasping Forceps,
Bayonet-Shaped

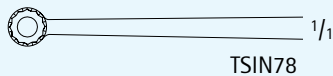
Catalog Number	Jaw	Diameter (mm)	Length (in.)
TSIN75	FLAT/SERR	3.0	8 3/4
TSIN76	FLAT/SERR	5.0	8 3/4



TSIN77-TSIN78



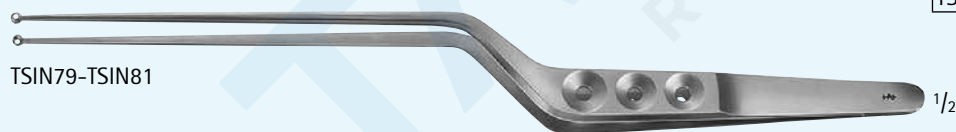
TSIN77



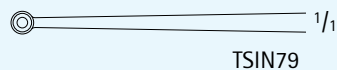
TSIN78

**HEIFETZ Grasping Forceps,
Bayonet-Shaped**

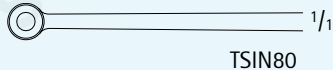
Catalog Number	Jaw	Diameter (mm)	Length (in.)
TSIN77	CURETTE, TOOTHED	3.0	8 3/4
TSIN78	CURETTE, TOOTHED	5.0	8 3/4



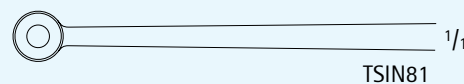
TSIN79-TSIN81



TSIN79



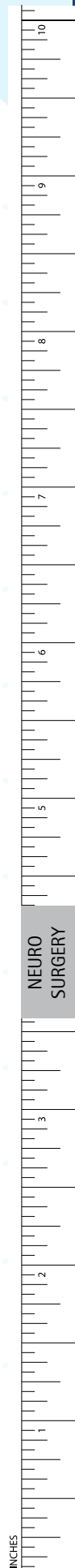
TSIN80



TSIN81

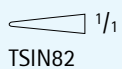
**YASARGIL-SAMII Grasping Forceps,
Bayonet-Shaped**

Catalog Number	Jaw	Diameter (mm)	Length (in.)
TSIN79	SPOON-SHAPED	3.0	9 1/2
TSIN80	SPOON-SHAPED	5.0	9 1/2
TSIN81	SPOON-SHAPED	7.0	9 1/2

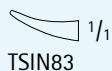




TSIN82-TSIN83



TSIN82



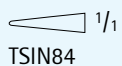
TSIN83

YASARGIL Micro Needle Holder

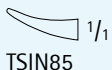
Catalog Number	Tip	Length (in.)
TSIN82	STR	7 7/8
TSIN83	CVD-UP	7 7/8



TSIN84-FD097R



TSIN84



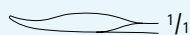
TSIN85

YASARGIL Micro Needle Holder

Catalog Number	Tip	Length (in.)
TSIN84	STR	8 7/8
TSIN85	CVD-UP	8 7/8



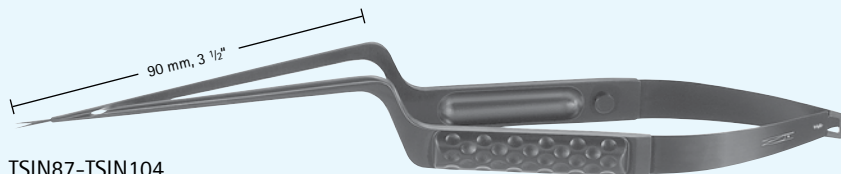
TSIN86



Micro Needle Holder

Catalog Number	Tip	Length (in.)
TSIN86	CVD-UP	7 3/4

MIN Instruments - Noir™ Micro Scissors, Bayonet-Shaped



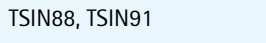
TSIN87-TSIN104



TSIN87, TSIN90



TSIN88, TSIN91



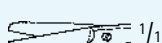
TSIN89, TSIN92



TSIN87-TSIN89



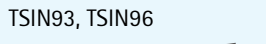
TSIN90-TSIN92



TSIN93, TSIN96



TSIN94-TSIN97



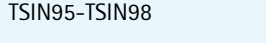
TSIN95-TSIN98



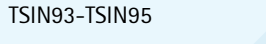
TSIN93-TSIN95



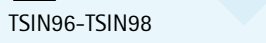
TSIN96-TSIN98



TSIN99, TSIN102



TSIN100, TSIN103



TSIN101, TSIN104



TSIN99-TSIN101



TSIN102-TSIN104

MIN, Noir Micro Scissors W/ Golfball Handle, Serrated Blades

Catalog Number	Tip	Blade	Working Length (in.)	Length (in.)
TSIN87	S/S	STR	2 3/4	7 7/8
TSIN88	S/S	SLIGHT-CVD	2 3/4	7 7/8
TSIN89	S/S	CVD	2 3/4	7 7/8
TSIN90	B/B	STR	2 3/4	7 7/8
TSIN91	B/B	SLIGHT-CVD	2 3/4	7 7/8
TSIN92	B/B	CVD	2 3/4	7 7/8
TSIN93	S/S	STR	3 1/2	8 3/4
TSIN94	S/S	SLIGHT-CVD	3 1/2	8 3/4
TSIN95	S/S	CVD	3 1/2	8 3/4
TSIN96	B/B	STR	3 1/2	8 3/4
TSIN97	B/B	SLIGHT-CVD	3 1/2	8 3/4
TSIN98	B/B	CVD	3 1/2	8 3/4
TSIN99	S/S	STR	4 3/4	9 3/4
TSIN100	S/S	SLIGHT-CVD	4 3/4	9 3/4
TSIN101	S/S	CVD	4 3/4	9 3/4
TSIN102	B/B	STR	4 3/4	9 3/4
TSIN103	B/B	SLIGHT-CVD	4 3/4	9 3/4
TSIN104	B/B	CVD	4 3/4	9 3/4

MIN Instruments - Noir™ Micro Needle Holders/Noir™ Micro Tissue Forceps/Noir™ Micro Tumor Forceps, Bayonet-Shaped



TSIN105-TSIN107



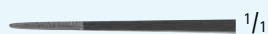
TSIN105-TSIN107

MIN, Noir Micro Needle Holder W/ Golfball Handle

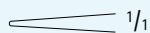
Catalog Number	Suture Size	Working Length (mm)	Length (in.)
TSIN105	7/0 AND SMALLER	70	7 7/8
TSIN106	7/0 AND SMALLER	90	8 3/4
TSIN107	7/0 AND SMALLER	120	9 3/4



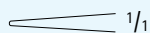
TSIN108-TSIN113



TSIN108, TSIN110, TSIN112



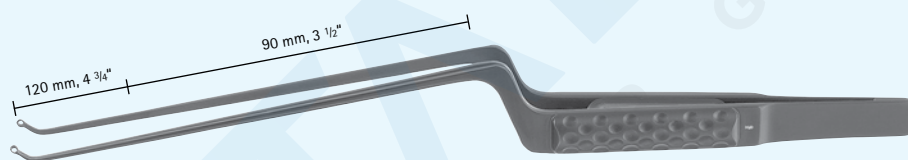
TSIN108, TSIN110, TSIN112



TSIN109, TSIN111, TSIN113

MIN, Noir Micro Tissue Forceps W/ Golfball Handle

Catalog Number	Tip	Tip Size (mm)	Working Length (in.)	Length (in.)
TSIN108	STR	0.5	2 3/4	7 1/2
TSIN109	STR	0.9	2 3/4	7 1/2
TSIN110	STR	0.5	3 1/2	8 1/4
TSIN111	STR	0.9	3 1/2	8 1/4
TSIN112	STR	0.5	4 3/4	9 1/2
TSIN113	STR	0.9	4 3/4	9 1/2



TSIN116-TSIN119



TSIN114, TSIN115, TSIN118, TSIN119



TSIN116, TSIN120



TSIN117, TSIN121



TSIN114-TSIN117, TSIN118-TSIN121



TSIN115, TSIN119

MIN, Noir Micro Tumor Forceps W/ Golfball Handle

Catalog Number	Tip	Tip Size (mm)	Working Length (in.)	Length (in.)
TSIN114	STR	2.5 RING	3 1/2	8 1/4
TSIN115	STR	3.5 RING	3 1/2	8 1/4
TSIN116	45° CVD	2.5 RING	3 1/2	8 1/4
TSIN117	90° CVD	2.5 RING	3 1/2	8 1/4
TSIN118	STR	2.5 RING	4 3/4	9 1/2
TSIN119	STR	3.5 RING	4 3/4	9 1/2
TSIN120	45° CVD	2.5 RING	4 3/4	9 1/2
TSIN121	90° CVD	2.5 RING	4 3/4	9 1/2

MIN Instruments - Noir™ Modular Handles

MIN Set

- Fine instrument tips
- Round golfball handle design
- Various working lengths
- Slender design and angled bayonet-shape
- Noir, No Irritating Reflections



TSIN122



TSIN123

MIN, Noir Modular Handle F/ Golfball Handle Design

Catalog Number	Diameter (mm)	Length (in.)
TSIN122	8	4
TSIN123	11	4



TSIN124



TSIN125



TSIN126



TSIN127

MIN, Noir Modular Bayonet Handle F/ Golfball Handle Design

Catalog Number	Diameter (mm)	Description	Length (in.)
TSIN124	8	LOW BAYONET (21 MM)	4
TSIN125	11	LOW BAYONET (31 MM)	4
TSIN126	8	HIGH BAYONET (21 MM)	4
TSIN127	11	HIGH BAYONET (31 MM)	4

MIN Instruments - Noir™ Micro Dissectors/Noir™ Rasps/Noir™ Hooks

MIN, Noir Micro Probe F/ Modular Golfball Handle

Catalog Number	Tip	Length (in.)
TSIN128	BALL-TIP 0°	7 7/8
TSIN129	BALL-TIP 45°	7 7/8
TSIN130	BALL-TIP 90°	7 7/8

TSIN128-TSIN130



MIN, Noir Micro Hook F/ Modular Golfball Handle

Catalog Number	Tip	Length (in.)
TSIN131	45°, BLUNT	7 7/8
TSIN132	90°, BLUNT	7 7/8
TSIN133	90°, SHARP	7 7/8

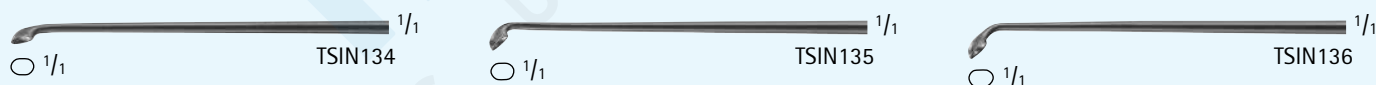
TSIN131-TSIN133



MIN, Noir Micro Scoop F/ Modular Golfball Handle

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN134	10°	2	7 7/8
TSIN135	45°	2	7 7/8
TSIN136	45° W/ NECK	2	7 7/8

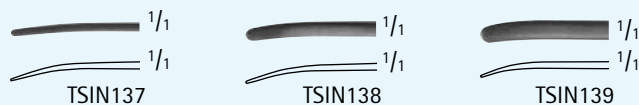
TSIN134-TSIN136



MIN, Noir Micro Dissector F/ Modular Golfball Handle

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN137	CVD	1.0	7 7/8
TSIN138	CVD	2.0	7 7/8
TSIN139	CVD	3.0	7 7/8

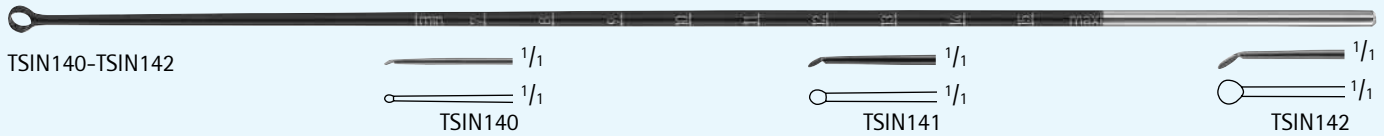
TSIN137-TSIN139



MIN Instruments - Noir™ Micro Dissectors/Noir™ Rasps/Noir™ Hooks

MIN, Noir Micro Raspatory F/ Modular Golfball Handle

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN140	RING	DIAM. 1.0	7 7/8
TSIN141	RING	DIAM. 2.0	7 7/8
TSIN142	RING	DIAM. 3.0	7 7/8



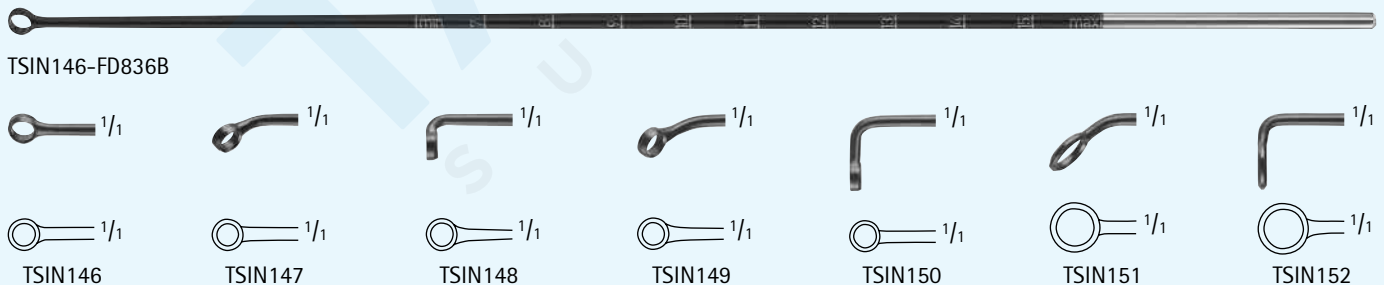
MIN, Noir Micro Tumor Knife F/ Modular Golfball Handle

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN143	45°	DIAM. 1.5	7 7/8
TSIN144	45°	DIAM. 3.0	7 7/8
TSIN145	45°	DIAM. 4.5	7 7/8



MIN, Noir Micro Curette F/ Modular Golfball Handle

Catalog Number	Tip	Diameter (mm)	Length (in.)
TSIN146	0°	4.0	7 7/8
TSIN147	45°	4.0	7 7/8
TSIN148	90°	4.0	7 7/8
TSIN149	45° W/ NECK	4.0	7 7/8
TSIN150	90° W/ NECK	4.0	7 7/8
TSIN151	45°	6.5	7 7/8
TSIN152	90°	6.5	7 7/8



Storage Tray F/ MIN Micro Instruments

Catalog Number	Dimensions (mm)
TSIN153	243 x 253 x 56

SENSATION™ Noir™ Micro Scissors, Bayonet-Shaped

SENSATION Noir Micro Scissors

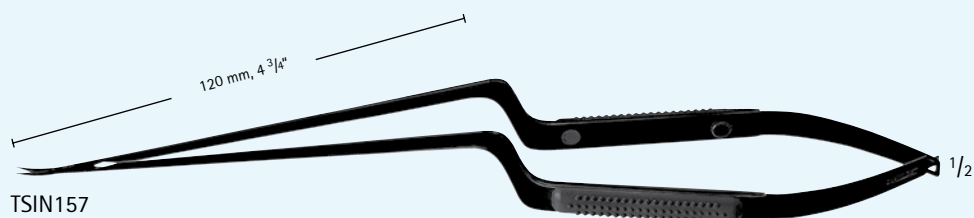
Catalog Number	Tip	Blade	Working Length (in.)	Length (in.)
TSIN154	S/S	CVD-UP	2 $\frac{3}{8}$	7 $\frac{1}{4}$


SENSATION Noir Micro Scissors

Catalog Number	Tip	Blade	Working Length (in.)	Length (in.)
TSIN155	S/S	CVD-UP	2 $\frac{3}{4}$	7 $\frac{3}{4}$


SENSATION Noir Micro Scissors

Catalog Number	Tip	Blade	Working Length (in.)	Length (in.)
TSIN156	S/S	CVD-UP	3 $\frac{1}{2}$	8 $\frac{1}{2}$

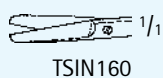
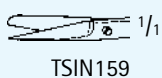
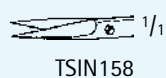

SENSATION Noir Micro Scissors

Catalog Number	Tip	Blade	Working Length (in.)	Length (in.)
TSIN157	S/S	CVD-UP	4 $\frac{3}{4}$	9 $\frac{5}{8}$

SENSATION™ Micro Scissors, Bayonet-Shaped

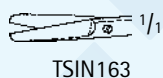
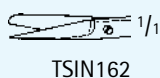
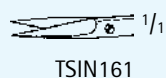
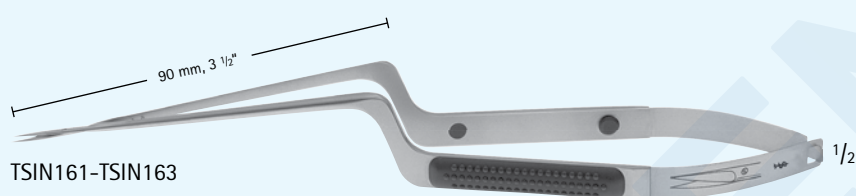
SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN158	S/S	STR	BLUE	2 3/4	7 3/4
TSIN159	S/B	STR	BLUE	2 3/4	7 3/4
TSIN160	B/B	STR	BLUE	2 3/4	7 3/4



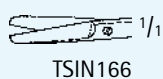
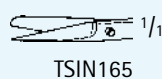
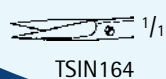
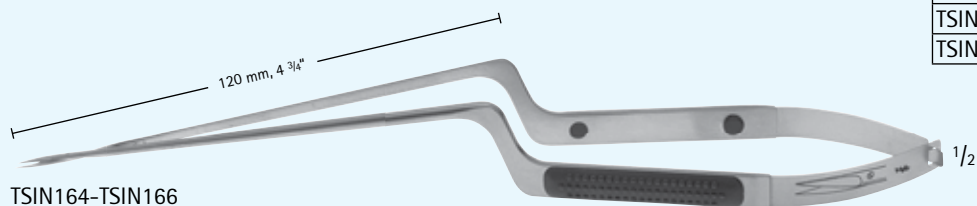
SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN161	S/S	STR	BLUE	3 1/2	8 1/2
TSIN162	S/B	STR	BLUE	3 1/2	8 1/2
TSIN163	B/B	STR	BLUE	3 1/2	8 1/2



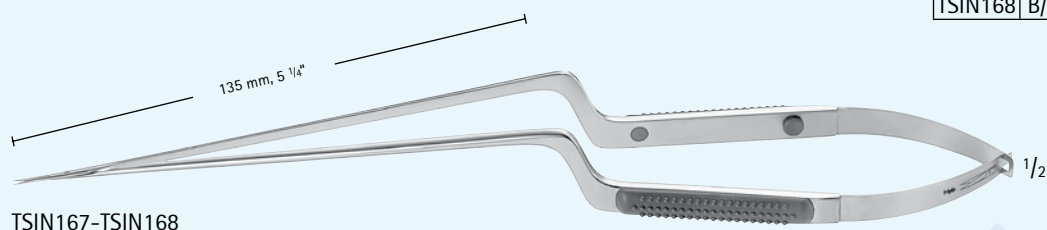
SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN164	S/S	STR	BLUE	4 3/4	9 5/8
TSIN165	S/B	STR	BLUE	4 3/4	9 5/8
TSIN166	B/B	STR	BLUE	4 3/4	9 5/8



SENSATION™ Micro Scissors, Bayonet-Shaped
SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN167	S/S	STR	BLUE	5 1/4	10 1/4
TSIN168	B/B	STR	BLUE	5 1/4	10 1/4



TSIN167-TSIN168



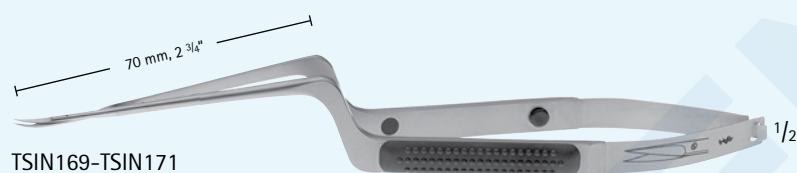
TSIN167



TSIN168

SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN169	S/S	CVD-UP	BLUE	2 3/4	7 3/4
TSIN170	S/B	CVD-UP	BLUE	2 3/4	7 3/4
TSIN171	B/B	CVD-UP	BLUE	2 3/4	7 3/4



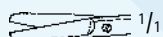
TSIN169-TSIN171



TSIN169



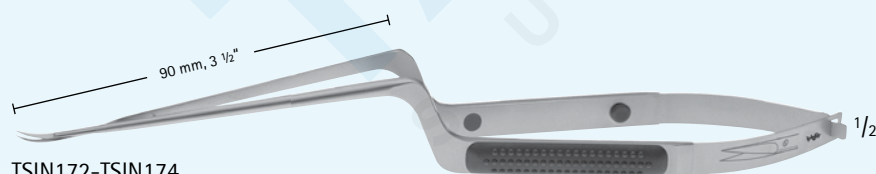
TSIN170



TSIN171

SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN172	S/S	CVD-UP	BLUE	3 1/2	8 1/2
TSIN173	S/B	CVD-UP	BLUE	3 1/2	8 1/2
TSIN174	B/B	CVD-UP	BLUE	3 1/2	8 1/2



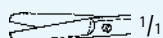
TSIN172-TSIN174



TSIN172



TSIN173

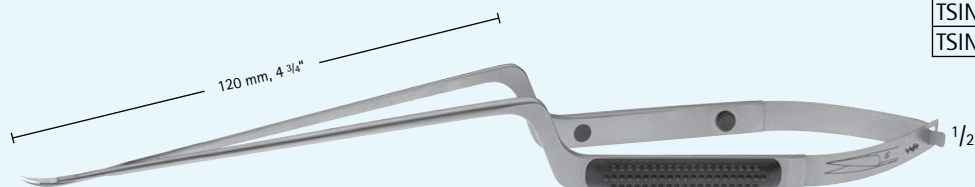


TSIN174

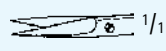
SENSATION™ Micro Scissors, Bayonet-Shaped

SENSATION Micro Scissors

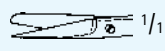
Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN175	S/S	CVD-UP	BLUE	4 3/4	9 5/8
TSIN176	S/B	CVD-UP	BLUE	4 3/4	9 5/8
TSIN177	B/B	CVD-UP	BLUE	4 3/4	9 5/8



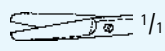
TSIN175-TSIN177



TSIN175



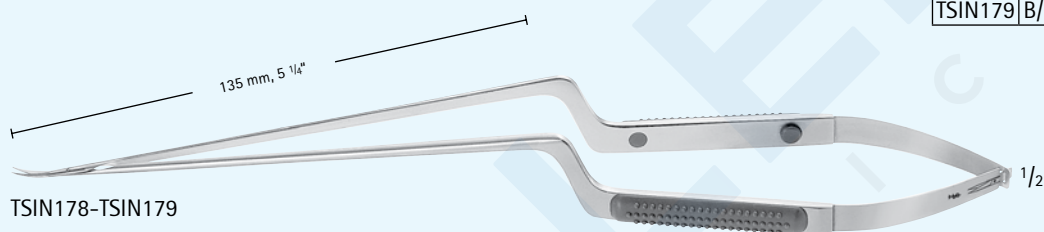
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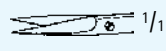
TSIN177

SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN178	S/S	CVD-UP	BLUE	5 1/4	10 1/4
TSIN179	B/B	CVD-UP	BLUE	5 1/4	10 1/4



TSIN178-TSIN179



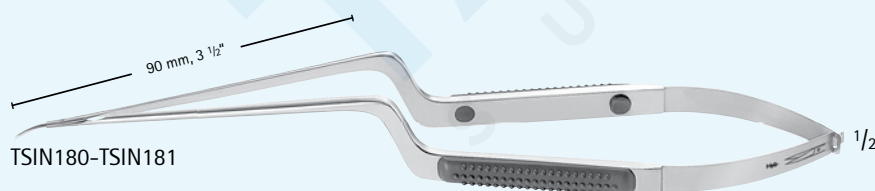
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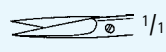
TSIN179

SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN180	S/S	CVD-DOWN	BLUE	3 1/2	8 1/2
TSIN181	B/B	CVD-DOWN	BLUE	3 1/2	8 1/2



TSIN180-TSIN181

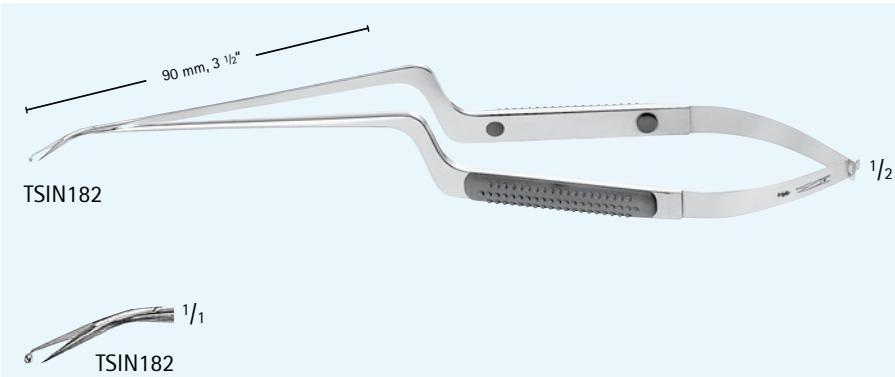


TSIN180



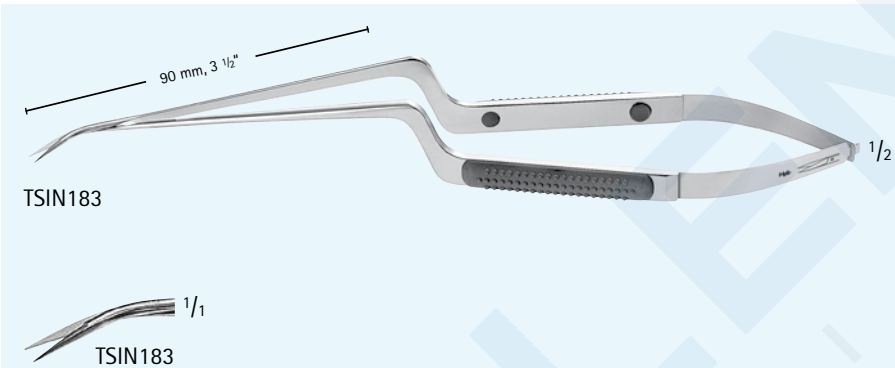
TSIN181

SENSATION™ Micro Scissors, Bayonet-Shaped



SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN182	1 BALL-POINT	45° LATERAL ANG	BLUE	3 1/2	8 1/2



SENSATION Micro Scissors

Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN183	B/B	45° LATERAL ANG	BLUE	3 1/2	8 1/2



SENSATION Micro Scissors

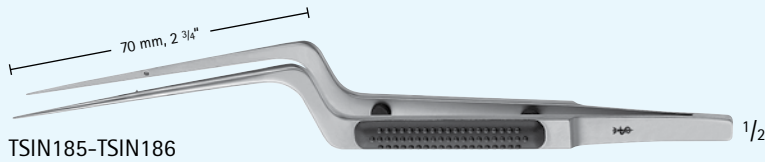
Catalog Number	Tip	Blade	Handle	Working Length (in.)	Length (in.)
TSIN184	B/B	125° LATERAL ANG	BLUE	3 1/2	8 1/2



SENSATION™ Micro Forceps, Bayonet-Shaped

SENSATION Micro Forceps

Catalog Number	Tip Size (mm)	Handle	Working Length (in.)	Length (in.)
TSIN185	0.5	BLACK	2 3/4	7 1/2
TSIN186	0.9	BLACK	2 3/4	7 1/2



TSIN185-TSIN186

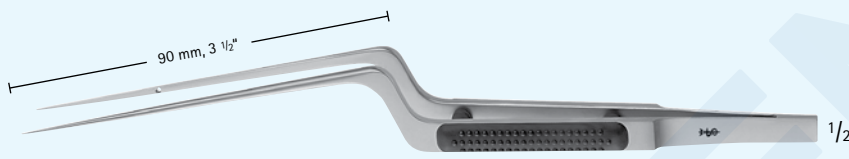
1/2

TSIN185

TSIN186

SENSATION Micro Forceps

Catalog Number	Tip Size (mm)	Handle	Working Length (in.)	Length (in.)
TSIN187	0.5	BLACK	3 1/2	8 1/4
TSIN188	0.9	BLACK	3 1/2	8 1/4



TSIN187-TSIN188

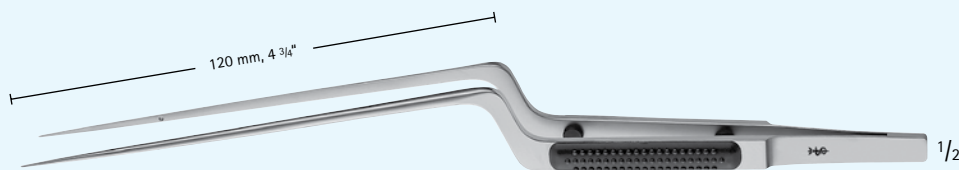
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TSIN187

TSIN188

SENSATION Micro Forceps

Catalog Number	Tip Size (mm)	Handle	Working Length (in.)	Length (in.)
TSIN189	0.5	BLACK	4 3/4	9 1/2
TSIN190	0.9	BLACK	4 3/4	9 1/2



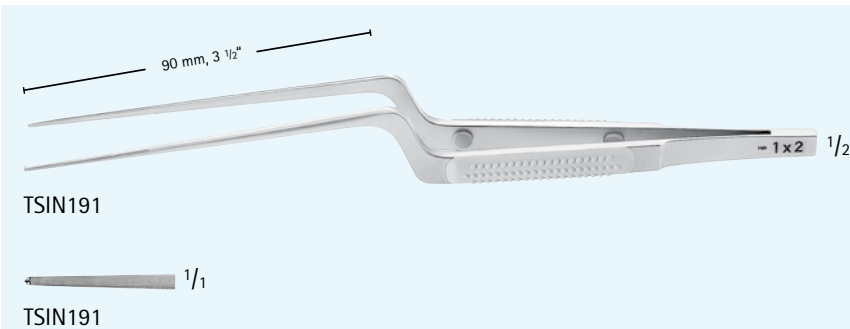
TSIN189-TSIN190

1/2

TSIN189

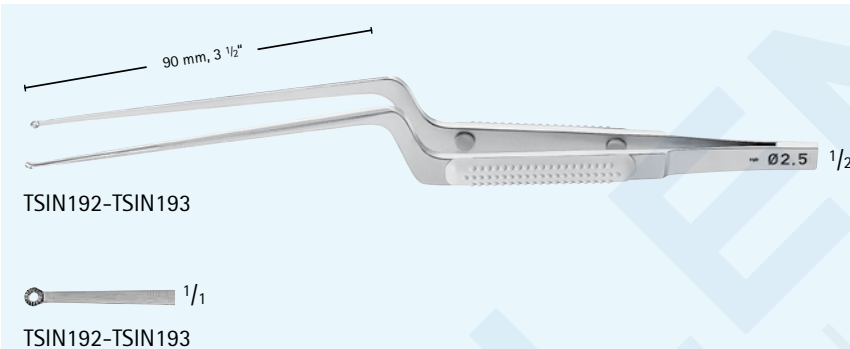
TSIN190

SENSATION™ Tumor Grasper, Bayonet-Shaped



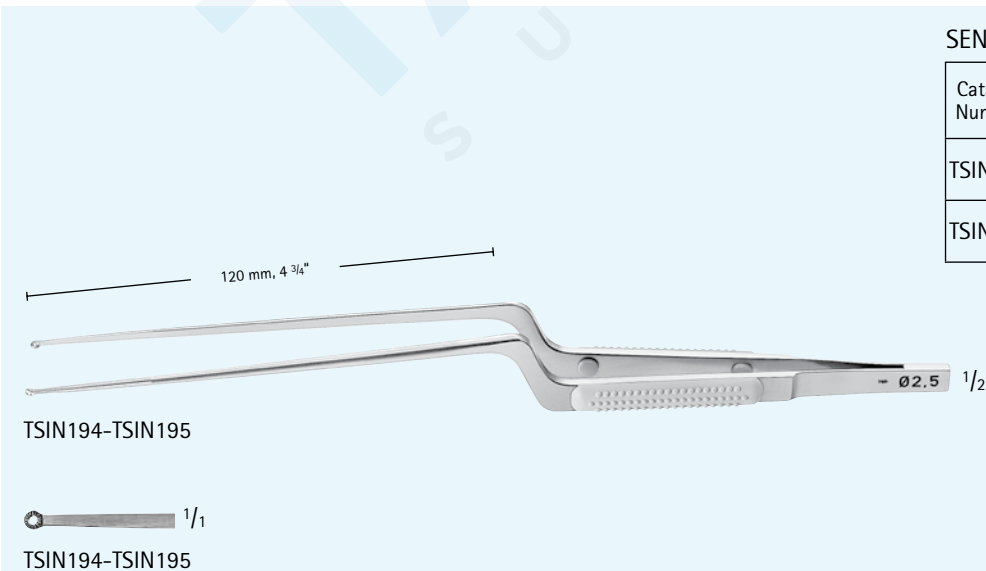
SENSATION Tumor Grasper

Catalog Number	Jaw	Teeth	Handle	Working Length (in.)	Length (in.)
TSIN191	THIN TOOTH	1 x 2	YELLOW	3 1/2	8 1/4



SENSATION Tumor Grasper

Catalog Number	Jaw	Jaw Size (mm)	Handle	Working Length (in.)	Length (in.)
TSIN192	SERR	DIAM. 2.5	YELLOW	3 1/2	8 1/4
TSIN193	SERR	DIAM. 3.5	YELLOW	3 1/2	8 1/4



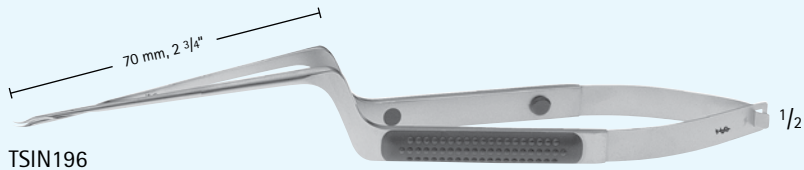
SENSATION Tumor Grasper

Catalog Number	Jaw	Jaw Size (mm)	Handle	Working Length (in.)	Length (in.)
TSIN194	SERR	DIAM. 2.5	YELLOW	4 3/4	9 1/2
TSIN195	SERR	DIAM. 3.5	YELLOW	4 3/4	9 1/2

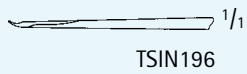
SENSATION™ Micro Needle Holders, Bayonet-Shaped

SENSATION Micro Needle Holder

Catalog Number	Jaw Size (mm)	Handle	Working Length (in.)	Length (in.)
TSIN196	0.5	GREEN	2 3/4	7 3/4



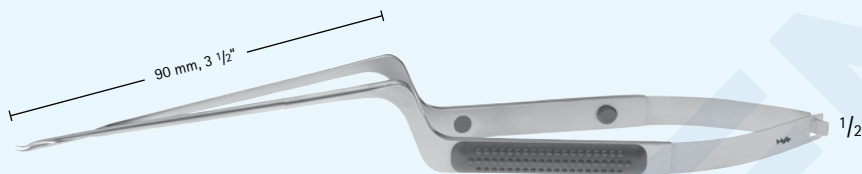
TSIN196



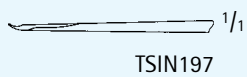
TSIN196

SENSATION Micro Needle Holder

Catalog Number	Jaw Size (mm)	Handle	Working Length (in.)	Length (in.)
TSIN197	0.5	GREEN	3 1/2	8 1/2



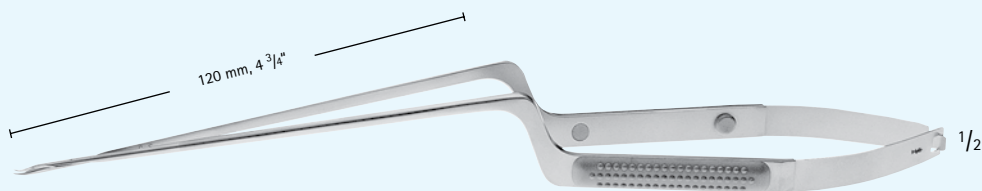
TSIN197



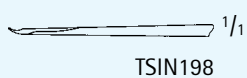
TSIN197

SENSATION Micro Needle Holder

Catalog Number	Jaw Size (mm)	Handle	Working Length (in.)	Length (in.)
TSIN198	2.5	GREEN	4 3/4	9 5/8



TSIN198

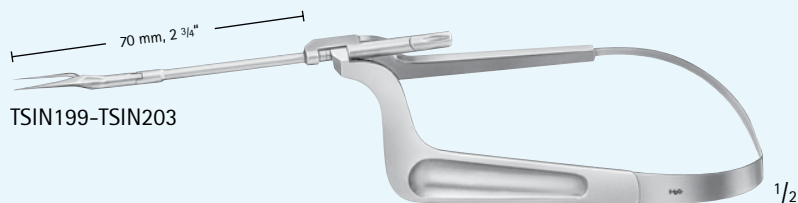


TSIN198



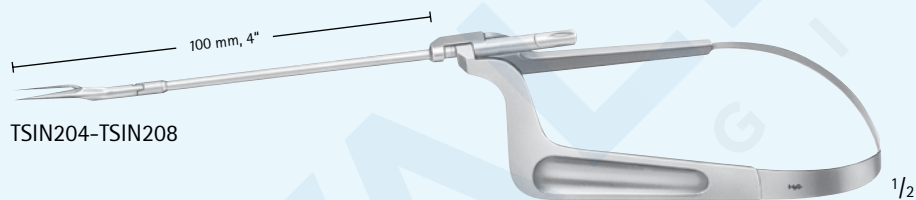
XS Micro Scissors

Catalog Number	Tip	Blade	Item	Working Length (in.)	Length (in.)
TSIN199	S/S	STR	COMPLETE	2 3/4	7 7/8
TSIN200	S/S	STR	JAW INSERT	2 3/4	-
TSIN201	B/B	STR	COMPLETE	2 3/4	7 7/8
TSIN202	B/B	STR	JAW INSERT	2 3/4	-
TSIN203	-	-	HANDLE	-	-



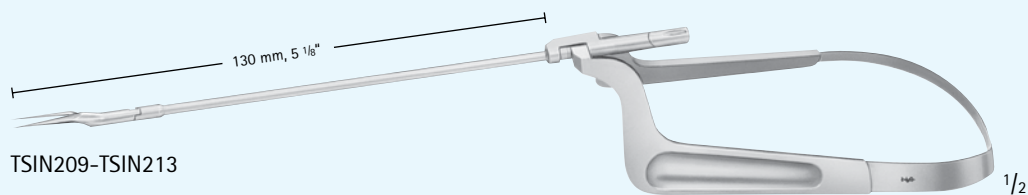
XS Micro Scissors

Catalog Number	Tip	Blade	Item	Working Length (in.)	Length (in.)
TSIN204	S/S	STR	COMPLETE	4	9
TSIN205	S/S	STR	JAW INSERT	4	-
TSIN206	B/B	STR	COMPLETE	4	9
TSIN207	B/B	STR	JAW INSERT	4	-
TSIN208	-	-	HANDLE	-	-



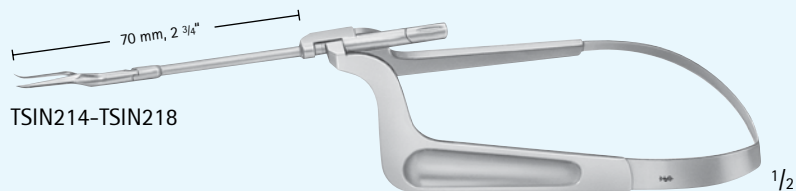
XS Micro Scissors

Catalog Number	Tip	Blade	Item	Working Length (in.)	Length (in.)
TSIN209	S/S	STR	COMPLETE	5 1/8	10 1/4
TSIN210	S/S	STR	JAW INSERT	5 1/8	-
TSIN211	B/B	STR	COMPLETE	5 1/8	10 1/4
TSIN212	B/B	STR	JAW INSERT	5 1/8	-
TSIN213	-	-	HANDLE	-	-



XS Micro Scissors

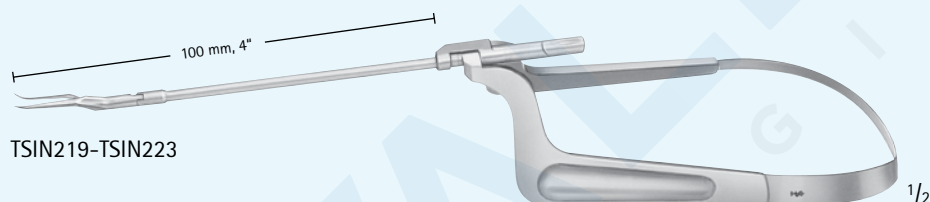
Catalog Number	Tip	Blade	Item	Working Length (in.)	Length (in.)
TSIN214	S/S	CVD	COMPLETE	2 3/4	7 7/8
TSIN215	S/S	CVD	JAW INSERT	2 3/4	-
TSIN216	B/B	CVD	COMPLETE	2 3/4	7 7/8
TSIN217	B/B	CVD	JAW INSERT	2 3/4	-
TSIN218	-	-	HANDLE	-	-



TSIN214-TSIN218

XS Micro Scissors

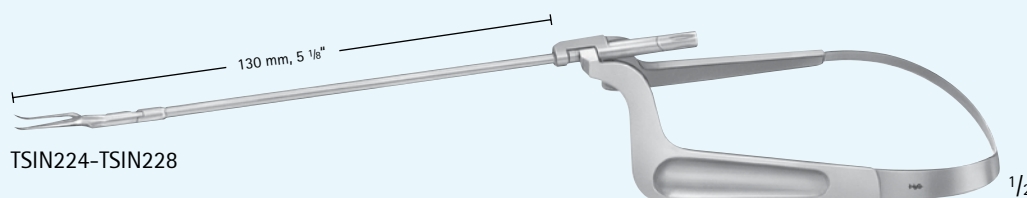
Catalog Number	Tip	Blade	Item	Working Length (in.)	Length (in.)
TSIN219	S/S	CVD	COMPLETE	4	9
TSIN220	S/S	CVD	JAW INSERT	4	-
TSIN221	B/B	CVD	COMPLETE	4	9
TSIN222	B/B	CVD	JAW INSERT	4	-
TSIN223	-	-	HANDLE	-	-



TSIN219-TSIN223

XS Micro Scissors

Catalog Number	Tip	Blade	Item	Working Length (in.)	Length (in.)
TSIN224	S/S	CVD	COMPLETE	5 1/8	10 1/4
TSIN225	S/S	CVD	JAW INSERT	5 1/8	-
TSIN226	B/B	CVD	COMPLETE	5 1/8	10 1/4
TSIN227	B/B	CVD	JAW INSERT	5 1/8	-
TSIN228	-	-	HANDLE	-	-

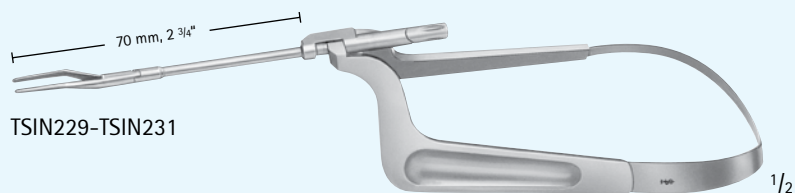


TSIN224-TSIN228



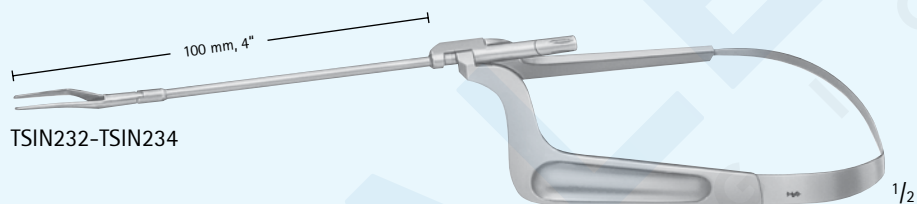
XS Micro Forceps

Catalog Number	Jaw Size (mm)	Item	Working Length (in.)	Length (in.)
TSIN229	0.9	COMPLETE	2 3/4	7 7/8
TSIN230	0.9	JAW INSERT	2 3/4	-
TSIN231	-	HANDLE	-	-



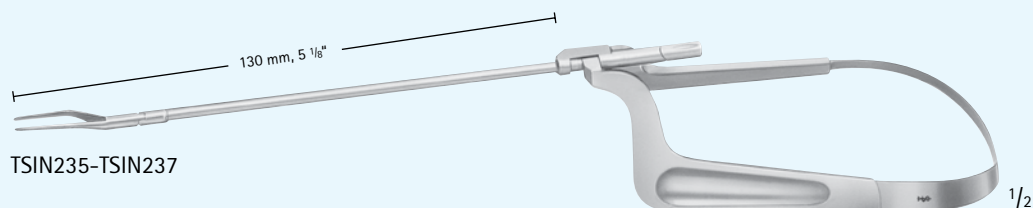
XS Micro Forceps

Catalog Number	Jaw Size (mm)	Item	Working Length (in.)	Length (in.)
TSIN232	0.9	COMPLETE	4	9
TSIN233	0.9	JAW INSERT	4	-
TSIN234	-	HANDLE	-	-



XS Micro Forceps

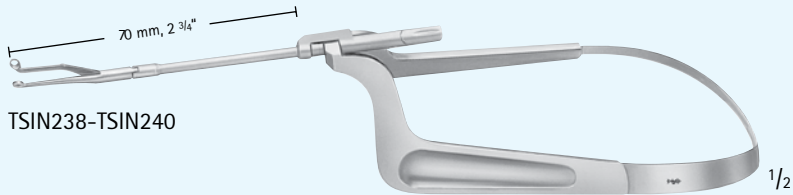
Catalog Number	Jaw Size (mm)	Item	Working Length (in.)	Length (in.)
TSIN235	0.9	COMPLETE	5 1/8	10 1/4
TSIN236	0.9	JAW INSERT	5 1/8	-
TSIN237	-	HANDLE	-	-





XS Micro Tumor Grasping Forceps

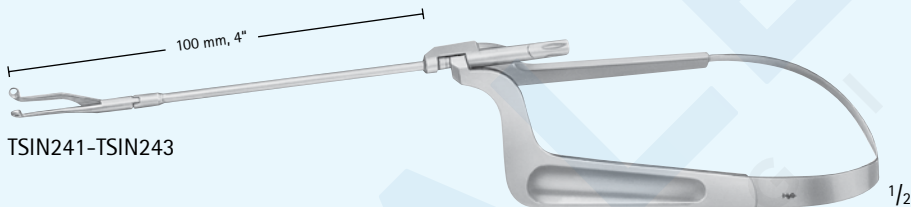
Catalog Number	Jaw Size (mm)	Jaw	Item	Working Length (in.)	Length (in.)
TSIN238	3.0	SHARP	COMPLETE	2 3/4	7 7/8
TSIN239	3.0	SHARP	JAW INSERT	2 3/4	-
TSIN240	-	-	HANDLE	-	-



TSIN238-TSIN240

XS Micro Tumor Grasping Forceps

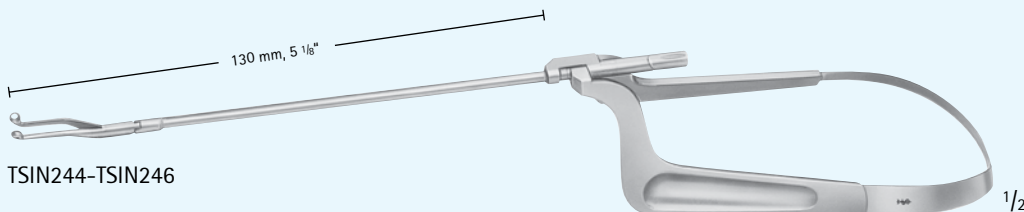
Catalog Number	Jaw Size (mm)	Jaw	Item	Working Length (in.)	Length (in.)
TSIN241	3.0	SHARP	COMPLETE	4	9
TSIN242	3.0	SHARP	JAW INSERT	4	-
TSIN243	-	-	HANDLE	-	-



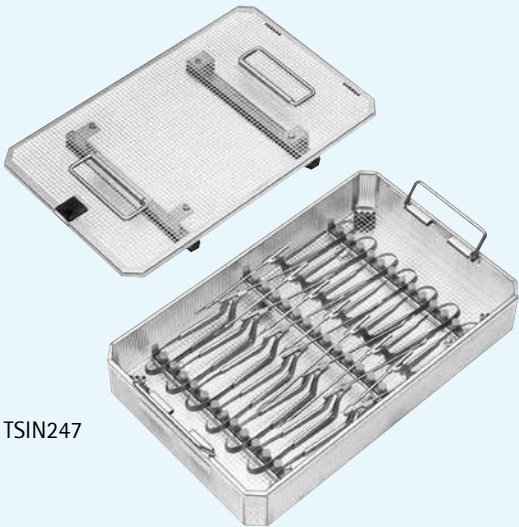
TSIN241-TSIN243

XS Micro Tumor Grasping Forceps

Catalog Number	Jaw Size (mm)	Jaw	Item	Working Length (in.)	Length (in.)
TSIN244	3.0	SHARP	COMPLETE	5 1/8	10 1/4
TSIN245	3.0	SHARP	JAW INSERT	5 1/8	-
TSIN246	-	-	HANDLE	-	-



TSIN244-TSIN246



TSIN247

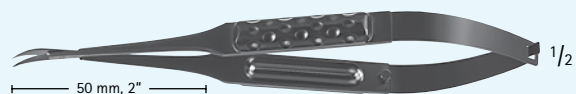
Storage Tray for Micro Instruments,
W/ Instruments Racks

Catalog Number	Compatible w/	Dimensions (mm)
TSIN247	SENSATION AND XS MICRO- INSTRUMENTS	406 x 253 x 76



EC/IC Bypass Instruments, Noir Scissors

Catalog Number	Tip	Blade	Shape	Working Length (in.)	Length (in.)
TSIN248	S/S	CVD	STR	2	5 1/2
TSIN249	B/S	CVD	STR	2	5 1/2
TSIN250	S/S	CVD	STR	3 1/8	6 3/4
TSIN251	S/S	CVD	BAYONET	4	8 7/8
TSIN252	B/S	CVD	BAYONET	4	8 7/8



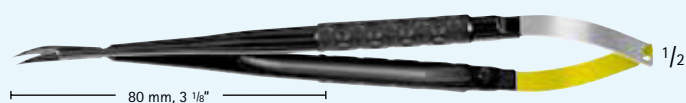
TSIN248-TSIN249



TSIN248



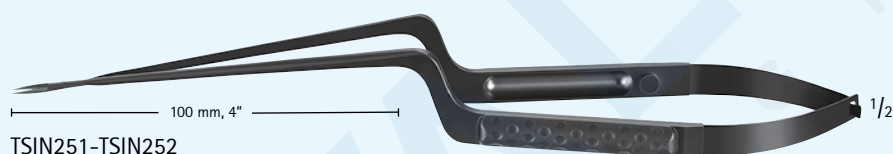
TSIN249



TSIN250



TSIN250



TSIN251-TSIN252



TSIN251



TSIN252



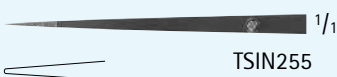
TSIN253



TSIN254



TSIN255



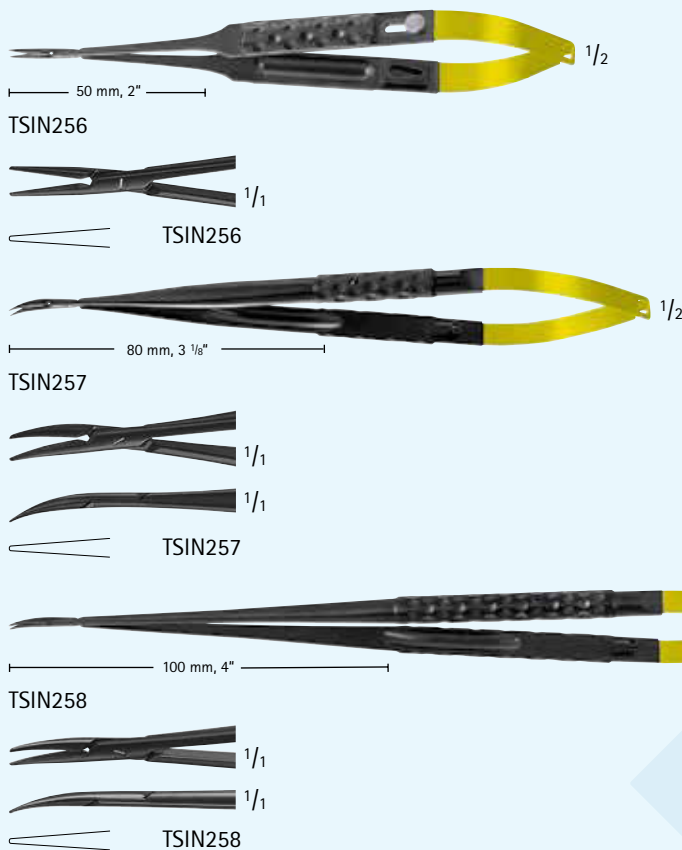
EC/IC Bypass Instruments, Noir Forceps

Catalog Number	Tip	Tip Size (mm)	Working Length (in.)	Length (in.)
TSIN253	STR	0.3	2	5 1/2
TSIN254	STR	0.3	3 1/8	6 3/4
TSIN255	STR	0.3	4	8 1/4

EC/IC Bypass Instruments - Noir™ Needle Holders/Noir™ Bypass Vessel Punch/Storage Rack

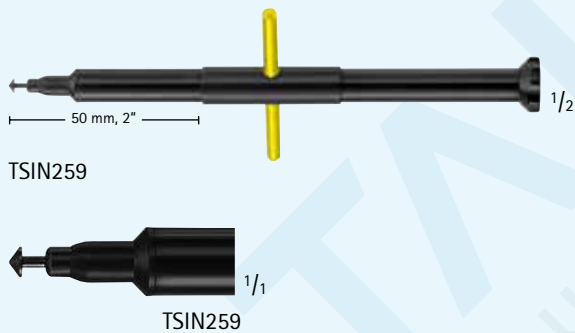
EC/IC Bypass Instruments, Noir Needle Holder

Catalog Number	Tip	Tip Size (mm)	Working Length (in.)	Length (in.)
TSIN256	STR	0.5	2	6
TSIN257	CVD	0.5	3 1/8	6 3/4
TSIN258	CVD	0.5	4	8 1/4



EC/IC Bypass Instruments, Noir Bypass Vessel Punch

Catalog Number	Working Length (in.)	Length (in.)
TSIN259	2	5 1/2

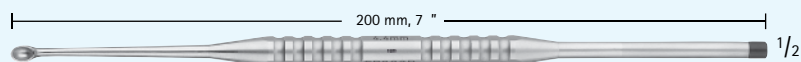


Storage Rack F/ EC/IC Bypass Instruments

Catalog Number	Dimensions (mm)
TSIN260	410 x 257 x 56



TSIN260



TSIN261-TSIN264



TSIN261



TSIN262



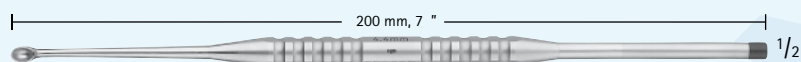
TSIN263



TSIN264

AL-MEFTY Spoon

Catalog Number	Tip	Tip Size (mm)	Handle	Length (in.)
TSIN261	STR, SHARP	2.8	BLACK CAP	7 7/8
TSIN262	ANG, SHARP	2.8	BLACK CAP	7 7/8
TSIN263	STR, SHARP	4.4	BLACK CAP	7 7/8
TSIN264	ANG, SHARP	4.4	BLACK CAP	7 7/8



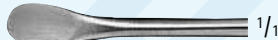
TSIN265-TSIN267



TSIN265



TSIN266



TSIN267

AL-MEFTY Dissector

Catalog Number	Tip	Tip Size (mm)	Handle	Length (in.)
TSIN265	ANG, SHARP	2.0	BLACK CAP	7 7/8
TSIN266	ANG, SHARP	3.5	BLACK CAP	7 7/8
TSIN267	ANG, SHARP	4.0	BLACK CAP	7 7/8



TSIN268-TSIN270



TSIN268



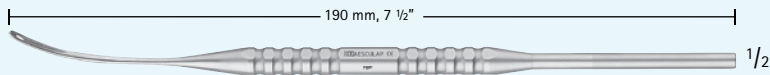
TSIN270

AL-MEFTY Dissector

Catalog Number	Tip	Tip Size (mm)	Handle	Length (in.)
TSIN268	ANG, SEMI-SHARP	2.0	GREY CAP	7 7/8
TSIN269	ANG, SEMI-SHARP	3.5	GREY CAP	7 7/8
TSIN270	STR, SEMI-SHARP	4.0	GREY CAP	7 7/8



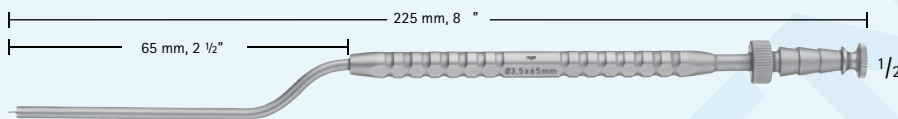
TSIN269



TSIN271

AL-MEFTY Ligature Needle

Catalog Number	Tip	Length (in.)
TSIN271	MALLEABLE	7 1/2



TSIN272

AL-MEFTY Suction Cannula

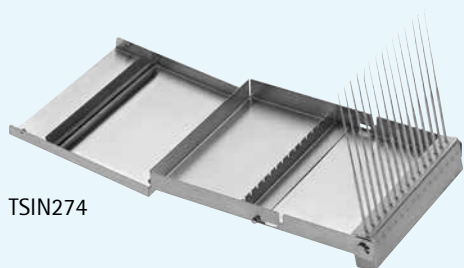
Catalog Number	Working Length (in.)	Diameter (mm)	Length (in.)
TSIN272	2 1/2	3.5	8 7/8



TSIN273

AL-MEFTY Chisel

Catalog Number	Tip Size (mm)	Length (in.)
TSIN273	5.0	8 1/2



TSIN274

Micro Dissector Set

Catalog Number	Description
TSIN274	COMPLETE SET

Set Includes:

- 1 Micro dissector storage case MD132R
- 1 Instrument of each MD133-MD148



TSIN275

Micro Dissector Storage Case

Catalog Number	Dimension (in.)
TSIN275	10.869 x 8.115 x 0.944



TSIN276

Expanded Micro Dissector Storage Case

Catalog Number	Dimension (in.)
TSIN276	10.869 x 10.074 x 0.944



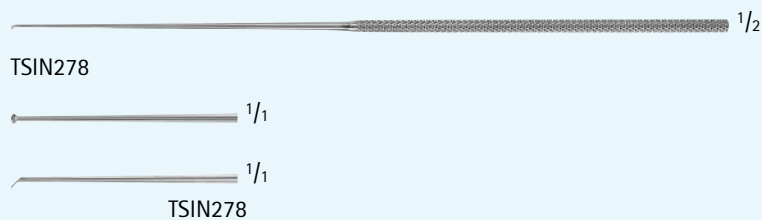
TSIN277

Expanded Micro Dissector Set

Catalog Number	Description
TSIN277	COMPLETE SET

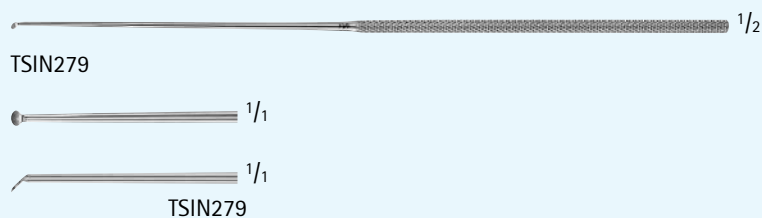
Set Includes:

- 1 Expanded micro dissector storage case TSIN277
- 1 Instrument of each TSIN278-TSIN293, TSIN294-TSIN296



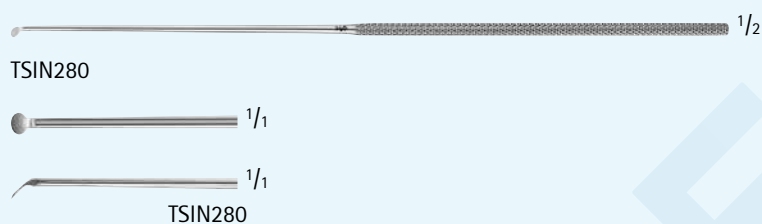
Micro Dissector, Round

Catalog Number	Tip Size (mm)	Length (in.)
TSIN278	1.0	7 1/2



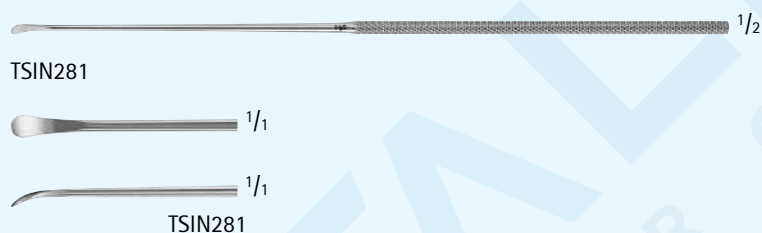
Micro Dissector, Round

Catalog Number	Tip Size (mm)	Length (in.)
TSIN279	2.0	7 1/2



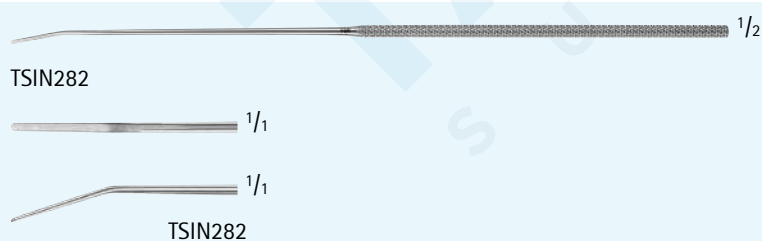
Micro Dissector, Round

Catalog Number	Tip Size (mm)	Length (in.)
TSIN280	3.0	7 1/2



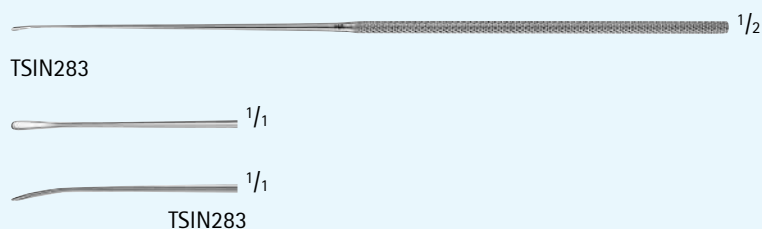
Micro Elevator

Catalog Number	Tip	Length (in.)
TSIN281	CVD	7 1/2



Micro Dissector Elevator

Catalog Number	Tip	Length (in.)
TSIN282	ANG	7 1/2

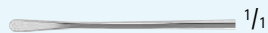


Micro Spatula Dissector

Catalog Number	Tip	Length (in.)
TSIN283	SMALL	7 1/2



TSIN284



TSIN284

Micro Spatula Dissector

Catalog Number	Tip	Length (in.)
TSIN284	MEDIUM	7 1/2



TSIN285



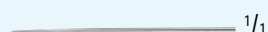
TSIN285

Micro Spatula Dissector

Catalog Number	Tip	Length (in.)
TSIN285	LARGE	7 1/2



TSIN286



TSIN286

Micro Hook

Catalog Number	Tip	Length (in.)
TSIN286	90°, SEMI-SHARP	7 1/2



TSIN287



TSIN287

Micro Hook

Catalog Number	Tip	Length (in.)
TSIN287	90°, BLUNT	7 1/2



TSIN288



TSIN288

Micro Needle Dissector

Catalog Number	Tip	Length (in.)
TSIN288	45°, SEMI-SHARP	7 1/2



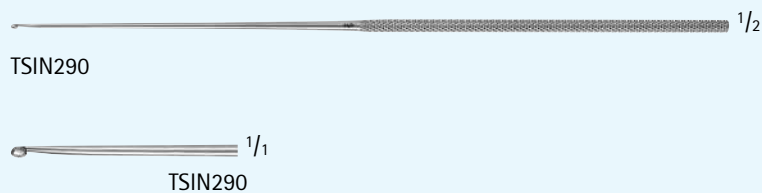
TSIN289



TSIN289

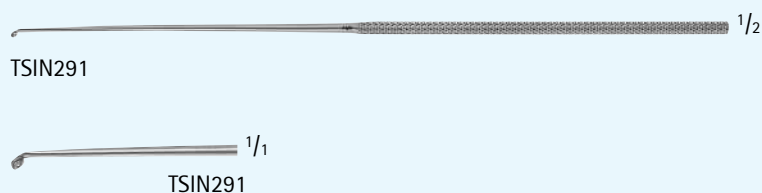
Micro Needle Dissector

Catalog Number	Tip	Length (in.)
TSIN289	STR, SEMI-SHARP	7 1/2



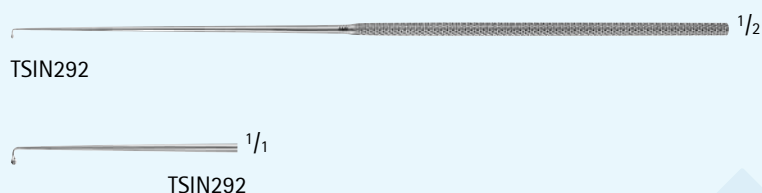
Micro Curette

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN290	STR	1 x 2	7 1/2



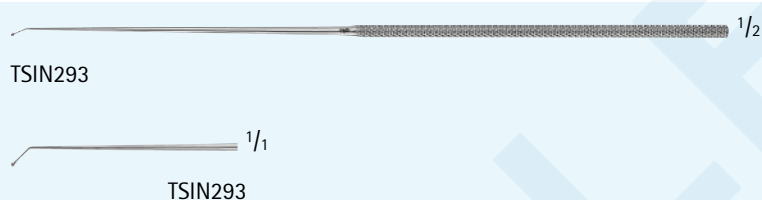
Micro Curette

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN291	ANG	1 x 2	7 1/2



Micro Ball Dissector

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN292	90°	3.0	7 1/2



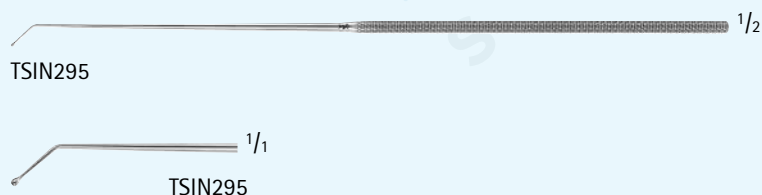
Micro Ball Dissector

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN293	45°	4.0	7 1/2



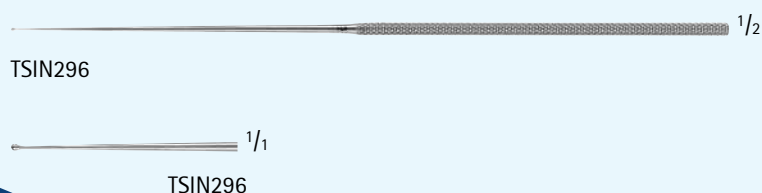
Micro Ball Dissector

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN294	90°	5.0	7 1/2



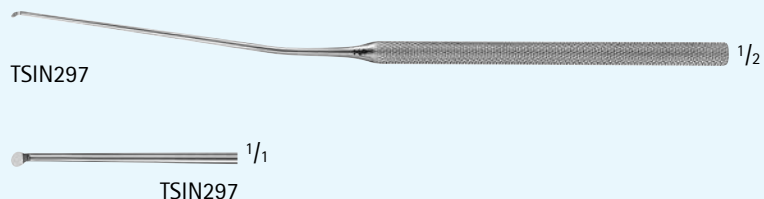
Micro Ball Dissector

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN295	45°	8.0	7 1/2



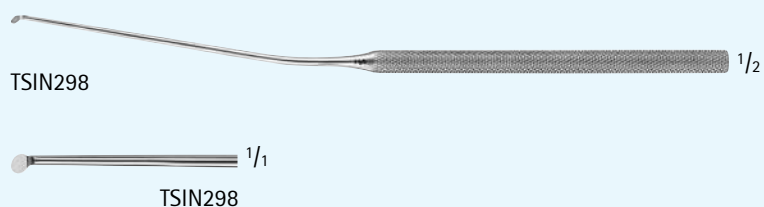
Micro Ball Dissector

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN296	STR	0.8	7 1/2



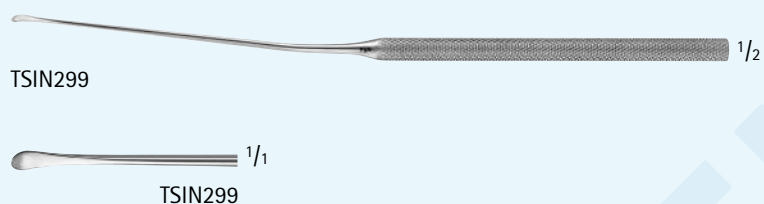
Jannetta Style Knife #1

Catalog Number	Diameter (mm)	Length (in.)
TSIN297	2.0	7 1/2



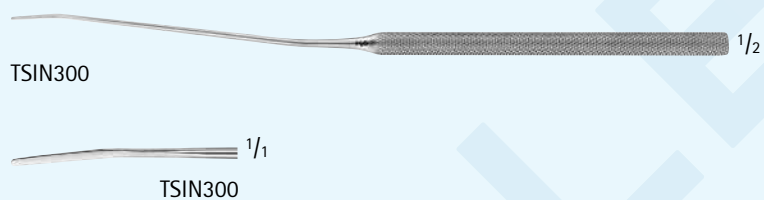
Jannetta Style Knife #2

Catalog Number	Diameter (mm)	Length (in.)
TSIN298	2.5	7 1/2



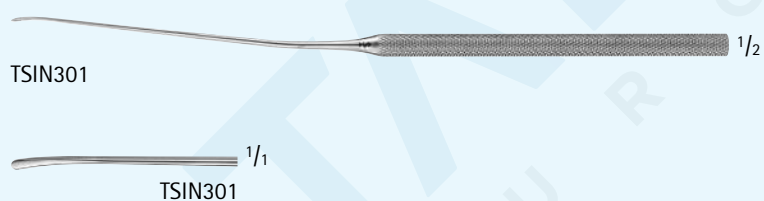
Jannetta Style Duckbill Elevator #3

Catalog Number	Width (mm)	Length (in.)
TSIN299	2.7	7 1/2



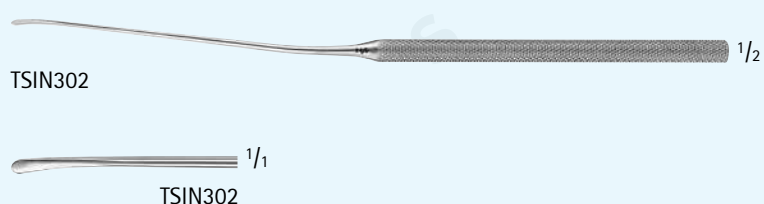
Jannetta Style Elevator #4

Catalog Number	Width (mm)	Length (in.)
TSIN300	1.2	7 1/2



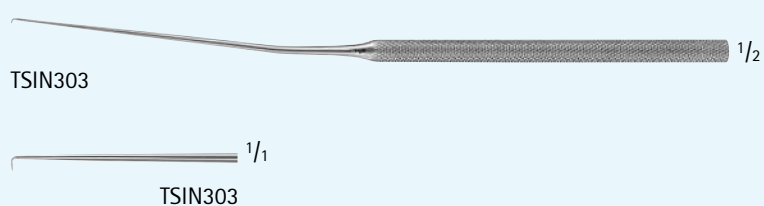
Jannetta Style Dissector #5

Catalog Number	Width (mm)	Length (in.)
TSIN301	1.6	7 1/2



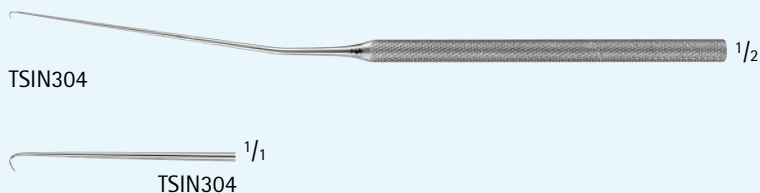
Jannetta Style Dissector #6

Catalog Number	Width (mm)	Length (in.)
TSIN302	2.0	7 1/2



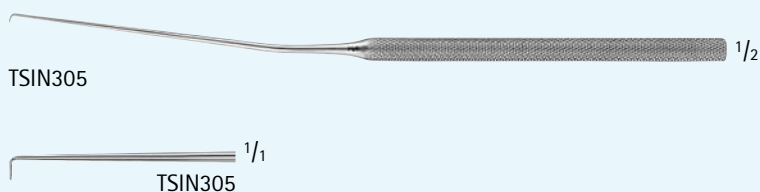
Jannetta Style Right Angle Hook #7

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN303	90°	2.0	7 1/2



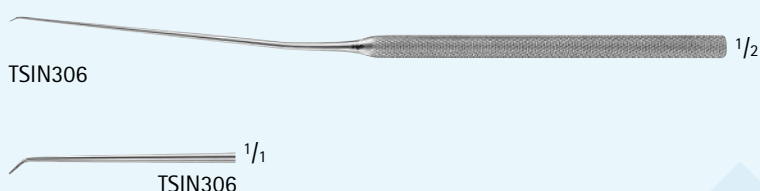
Jannetta Style Probe #8

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN304	45°	1.7	7 1/2



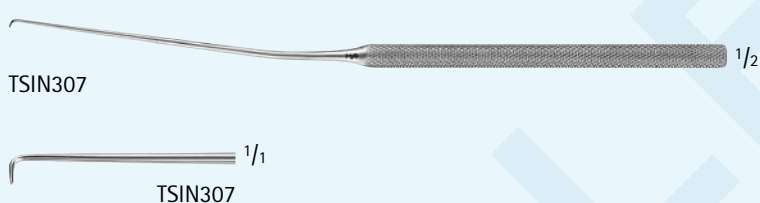
Jannetta Style Right Angle Hook #9

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN305	90°	3.5	7 1/2



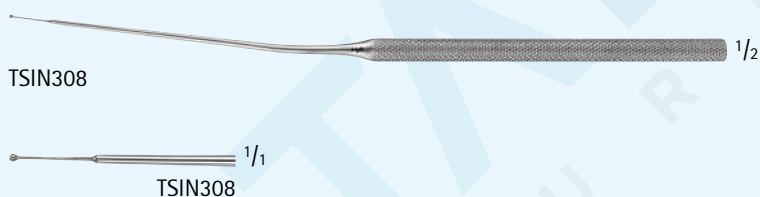
Jannetta Style Hook #9A

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN306	45°	2.8	7 1/2



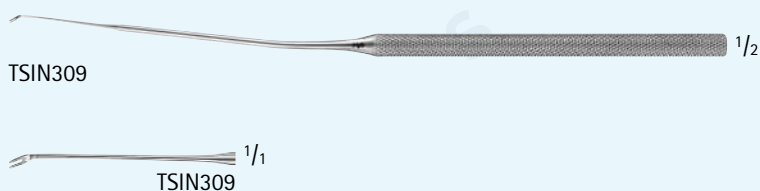
Jannetta Style Right Angle Hook #10

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN307	90°	4.7	7 1/2



Jannetta Style Probe #11

Catalog Number	Tip	Diameter (mm)	Length (in.)
TSIN308	BALL-PT	0.8	7 1/2



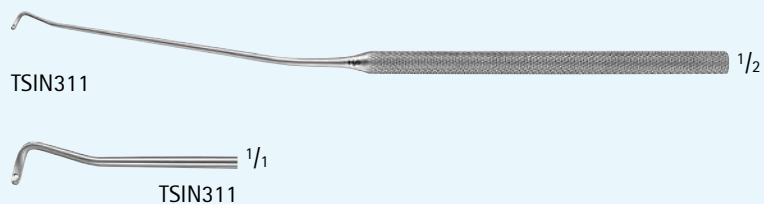
Jannetta Style Double Prong Fork #12

Catalog Number	Tip	Width (mm)	Length (in.)
TSIN309	30°	1.1	7 1/2

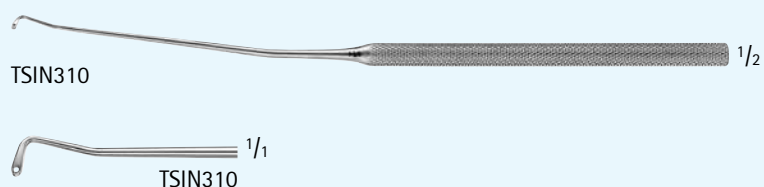


Jannetta Style Double Prong Fork #13

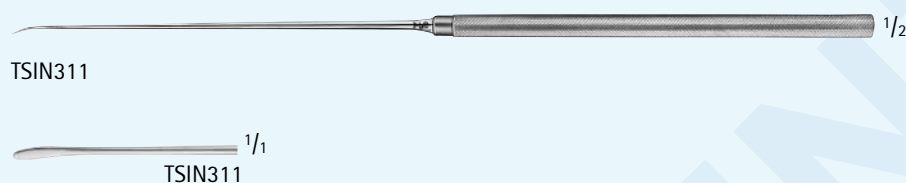
Catalog Number	Tip	Width (mm)	Length (in.)
TSIN310	30°	1.4	7 1/2

Jannetta Style Aneurysm Neck
Dissector #14

Catalog Number	Tip	Length (in.)
TSIN311	RIGHT	7 1/2

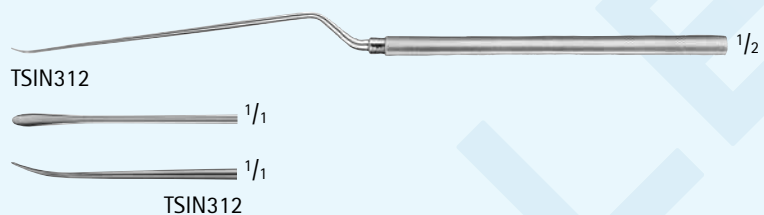
Jannetta Style Aneurysm Neck
Dissector #15

Catalog Number	Tip	Length (in.)
TSIN310	RIGHT	7 1/2



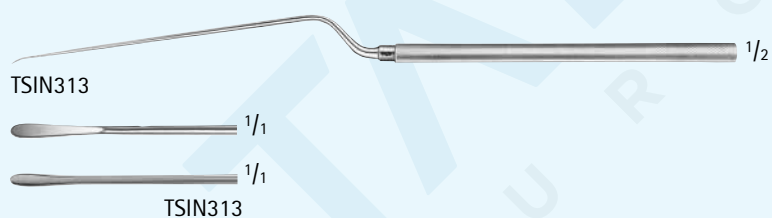
Micro Dissector

Catalog Number	Length (in.)
TSIN311	9



Micro Dissector

Catalog Number	Tip	Shape	Length (in.)
TSIN312	CVD-UP	BAYONET	9



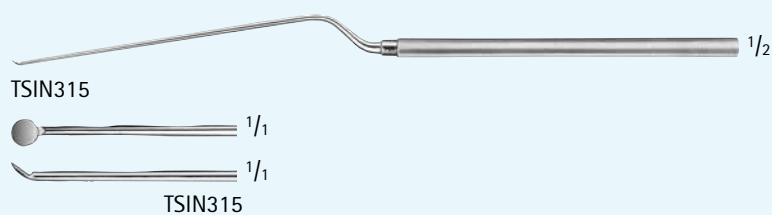
Micro Dissector

Catalog Number	Tip	Shape	Length (in.)
TSIN313	CVD	BAYONET	9



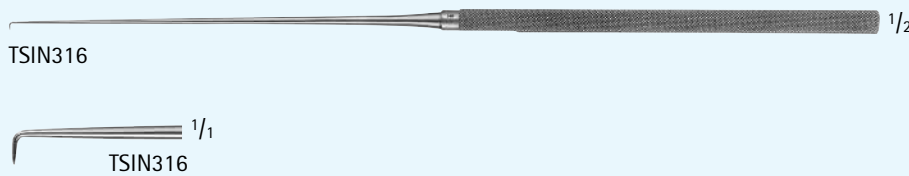
Micro Raspatory

Catalog Number	Tip	Length (in.)
TSIN314	PLATE-SHAPED ANG-DOWN	9



Micro Raspatory

Catalog Number	Tip	Shape	Length (in.)
TSIN315	PLATE-SHAPED ANG-UP	BAYONET	9



Micro Hook

Catalog Number	Tip	Length (in.)
TSIN316	SEMI-SHARP	9



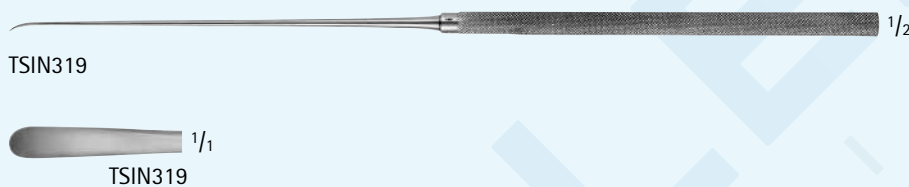
Micro Hook

Catalog Number	Tip	Length (in.)
TSIN317	BLUNT	9



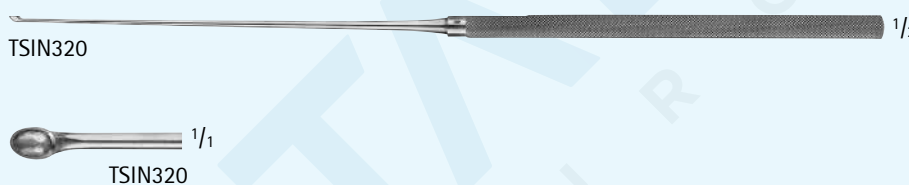
Micro Dissector

Catalog Number	Tip	Length (in.)
TSIN318	STR	9



Micro Dissector

Catalog Number	Tip	Length (in.)
TSIN319	SMALL	9



Micro Scoop

Catalog Number	Tip	Length (in.)
TSIN320	STR, SHARP	9



Micro Scoop

Catalog Number	Tip	Length (in.)
TSIN321	ANG, SHARP	9



Micro Raspatory

Catalog Number	Tip	Length (in.)
TSIN322	ROUND, SMALL	9



TSIN323

YASARGIL Dissector, F/ Pediatrics

Catalog Number	Tip Size (mm)	Shaft	Length (in.)
TSIN323	4.0	FLEX	7 3/4



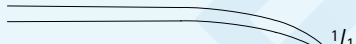
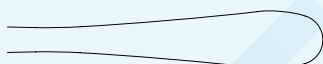
TSIN324

YASARGIL Dissector, F/ Adults

Catalog Number	Tip Size (mm)	Shaft	Length (in.)
TSIN324	7.0	FLEX	7 3/4



TSIN325



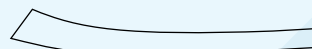
TSIN325

PENFIELD Dissector, Double Ended

Catalog Number	Tip	Size	Length (in.)
TSIN325	SLIGHT-CVD, S/B	#1	6 7/8



TSIN326



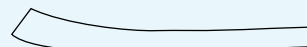
TSIN326

PENFIELD Dissector, Double Ended

Catalog Number	Tip	Size	Length (in.)
TSIN326	SLIGHT-CVD, S/B	#2	7 3/4



TSIN327



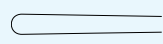
TSIN327

PENFIELD Dissector, Double Ended

Catalog Number	Tip	Size	Length (in.)
TSIN327	CVD, S/B	#3	7 3/4



TSIN327



TSIN327

PENFIELD Dissector

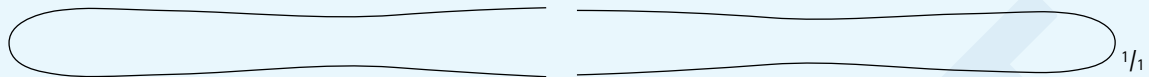
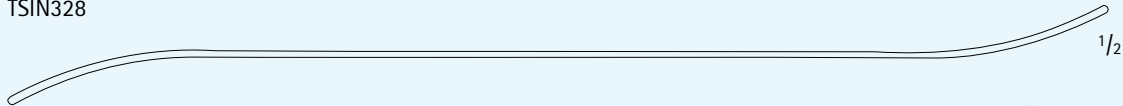
Catalog Number	Tip	Size	Length (in.)
TSIN328	SLIGHT-CVD	#4	8

PENFIELD Dissector, Double Ended

Catalog Number	Tip	Size	Length (in.)
TSIN328	SLIGHT-CVD, B/B	#5	11 1/2



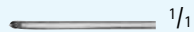
TSIN328



TSIN328



TSIN329



TSIN329



TSIN330



TSIN330

CASPAR Micro Dissector

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN329	CVD	1.0	7 7/8
TSIN330	CVD	4.5	9



TSIN331



TSIN331



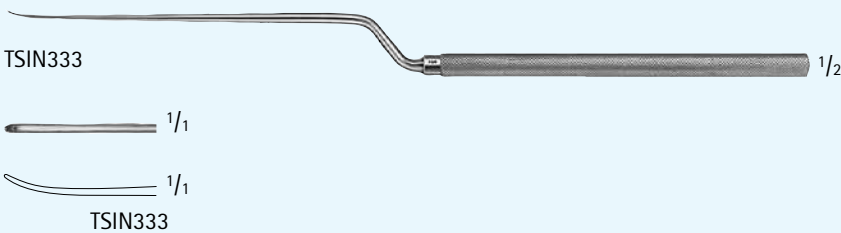
TSIN332



TSIN332

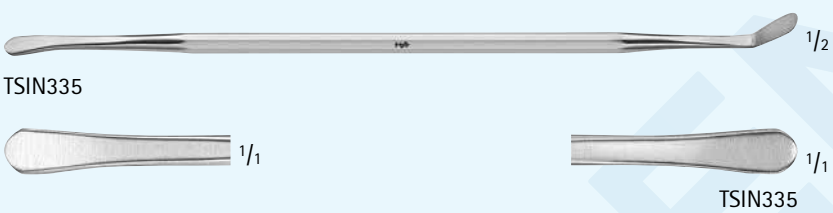
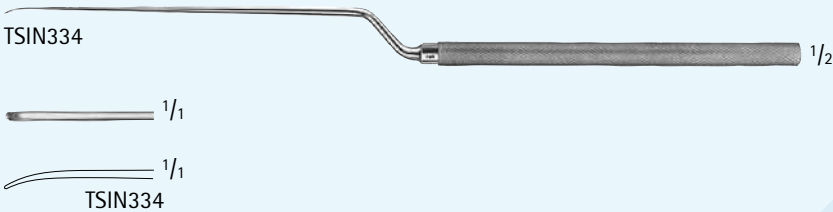
CASPAR Micro Dissector

Catalog Number	Tip	Tip Size (mm)	Shape	Length (in.)
TSIN331	CVD-DOWN	2.0	BAYONET	9
TSIN332	CVD-DOWN	4.5	BAYONET	9



CASPAR Micro Dissector

Catalog Number	Tip	Tip Size (mm)	Shape	Length (in.)
TSIN333	CVD-UP	1.0	BAYONET	8 1/4
TSIN334	CVD-DOWN	1.0	BAYONET	8 1/4



MILLIGAN Dissector, Double Ended

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN335	S/B	7.8	8 3/4

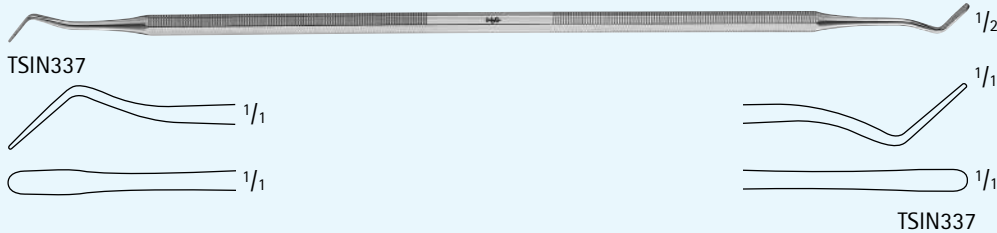


PENNYBACKER Probe Dissector, Double Ended

Catalog Number	Tip	Length (in.)
TSIN336	SLIGHT-CVD	9

WOODSON Elevator, Spatula, Double Ended

Catalog Number	Tip	Length (in.)
TSIN337	DBL-END	10



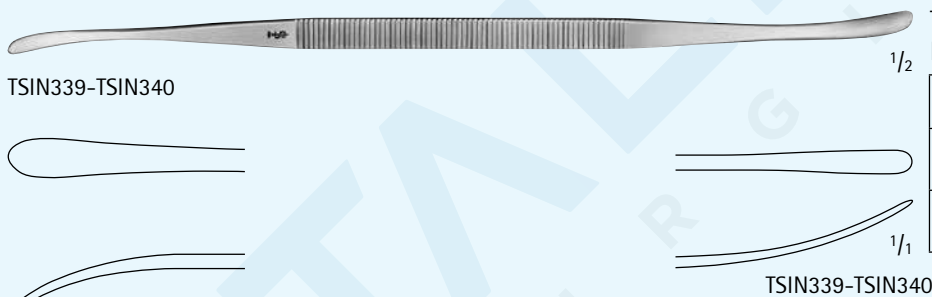
DAVIS Vascular Spatula, Double Ended

Catalog Number	Tip	Length (in.)
TSIN338	SLIGHT-CVD, B/B	9 5/8



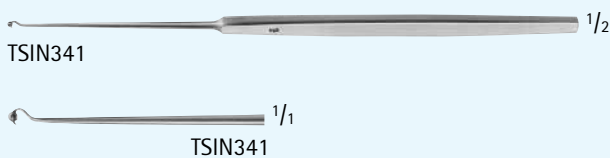
TOENNIS Vascular Spatula, Double Ended

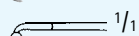
Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN339	SLIGHT-CVD, B/B	3 + 4	9 1/2
TSIN340	SLIGHT-CVD, B/B	5 + 6	9 1/2



MUELLER Dura Hook

Catalog Number	Tip	Length (in.)
TSIN341	1 PRONG	6





TSIN342

MUELLER Dura Hook

Catalog Number	Tip	Length (in.)
TSIN342	2 PRONGS	6



TSIN343

CAIRNS Dura Retractor

Catalog Number	Tip	Length (in.)
TSIN343	ANG SHARP	5 1/8



TSIN344

FRAZIER Dura Retractor

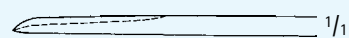
Catalog Number	Tip	Length (in.)
TSIN344	CVD SHARP	5 1/8



TSIN345

TOENNIS Dura Retractor

Catalog Number	Tip	Length (in.)
TSIN345	CVD SHARP	6



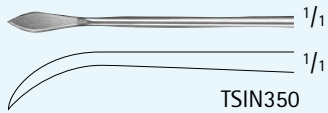
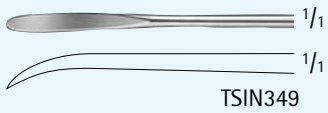
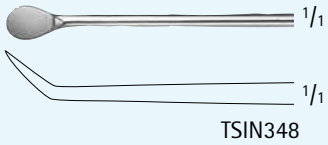
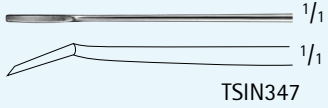
TSIN346

KRAEMER Osteophyte Chisel

Catalog Number	Tip Size (mm)	Length (in.)
TSIN346	2.5	8 1/2



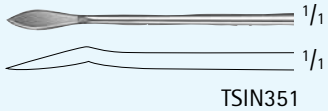
TSIN347-TSIN350 $\frac{1}{2}$



YASARGIL Micro Raspatory

Catalog Number	Tip	Shape	Length (in.)
TSIN347	ANG-UP	STR	7 1/4
TSIN348	ANG-UP	STR	7 1/4
TSIN349	SLIGHT-CVD	STR	7 1/4
TSIN350	HEAVY-CVD	STR	7 1/4

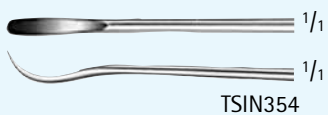
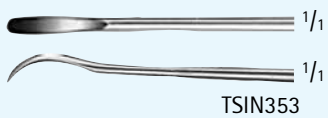
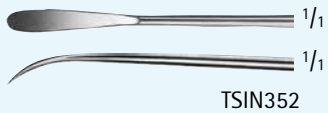
TSIN351 $\frac{1}{2}$



YASARGIL Micro Dissector

Catalog Number	Tip	Shape	Length (in.)
TSIN351	ANG-UP	STR	7 1/4

TSIN352-TSIN354 $\frac{1}{2}$



YASARGIL Micro Raspatory

Catalog Number	Tip	Shape	Length (in.)
TSIN352	CVD	BAYONET	7 1/4
TSIN353	CVD	BAYONET	7 1/4
TSIN354	CVD-UP	BAYONET	7 1/4



Twist Hook Tissue Pick

Catalog Number	Tip	Length (in.)
TSIN355	1.8	7 1/4



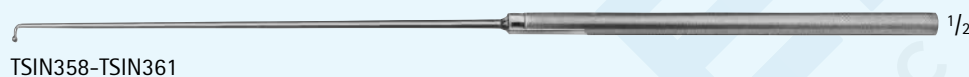
FISCH Hook, Sharp

Catalog Number	Tip	Length (in.)
TSIN356	90°	7 1/4



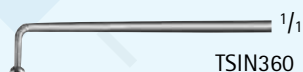
Dura Hook, Sharp

Catalog Number	Tip	Length (in.)
TSIN357	90°	7 1/4



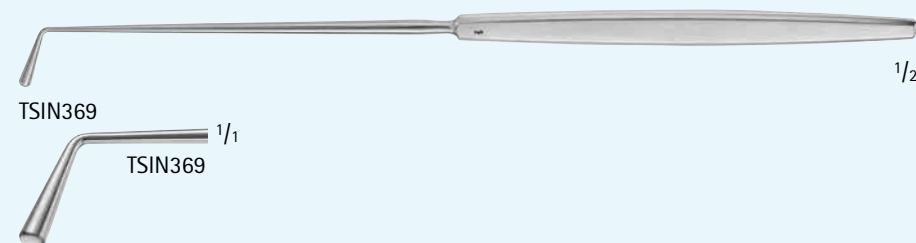
CASPAR Exploration Hook, Probe-End

Catalog Number	Tip	Length (in.)
TSIN358	90° SHORT	9 5/8
TSIN359	90° MEDIUM	9 5/8
TSIN360	90° LONG	9 5/8
TSIN361	45°	9 5/8



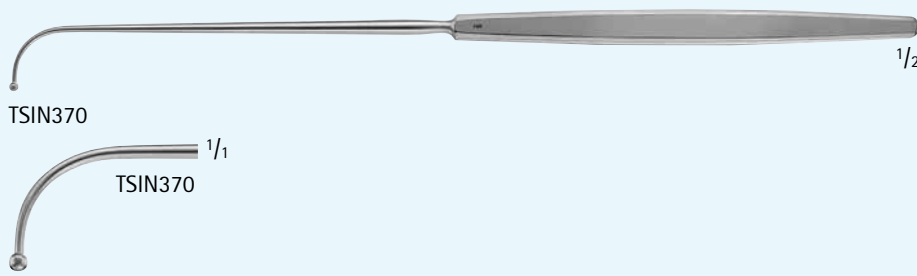
MCCULLOCH Probe

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN362	-	COMPLETE SET	-
TSIN363	ANG HOOK	2	9 1/2
TSIN364	ANG HOOK	3	9 1/2
TSIN365	ANG HOOK	5	9 1/2
TSIN366	ANG BALL	4	9 1/2
TSIN367	ANG BALL	7	9 1/2
TSIN368	ANG BALL	8	9 1/2
TSIN369	FORAMINAL	17	9 1/2



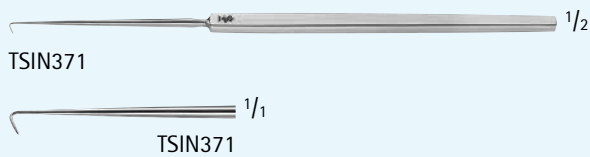
TSIN362 Includes:

1 Probe of each TSIN368, TSIN363, TSIN364, TSIN365, TSIN369



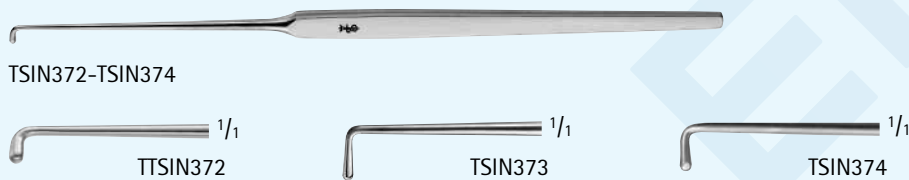
MURPHY Ball Hook

Catalog Number	Tip	Length (in.)
TSIN370	HEAVY-CVD	9 1/4



CUSHING Dura Hook

Catalog Number	Length (in.)
TSIN371	5 3/4



CUSHING Vessel Hook

Catalog Number	Tip Size (mm)	Tip	Length (in.)
TSIN372	1 x 4	BLUNT	7 1/2
TSIN373	1 x 7	BLUNT	7 1/2
TSIN374	1 x 6	BLUNT	11



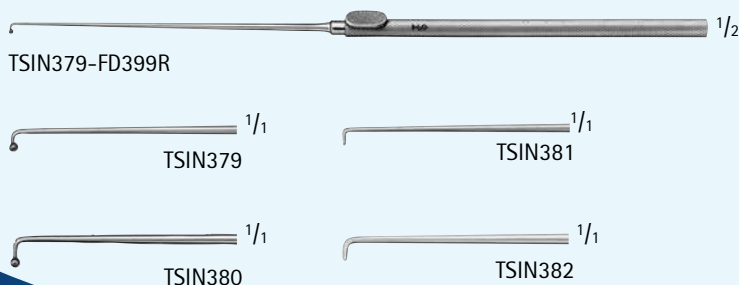
CRILE Vessel Hook

Catalog Number	Tip Size (mm)	Tip	Length (in.)
TSIN375	1.5 x 9	BLUNT	7 7/8



MALIS Style Nerve Hook

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN376	BLUNT	2.0	7
TSIN377	BLUNT	3.0	7
TSIN378	BALL-POINT	3.0	7



KRAYENBUEHL Nerve Hook

Catalog Number	Tip	Length (in.)
TSIN379	SHORT BALL-POINT	7 1/4
TSIN380	BALL-POINT	7 1/4
TSIN381	BLUNT	7 1/4
TSIN382	BLUNT	7 1/4



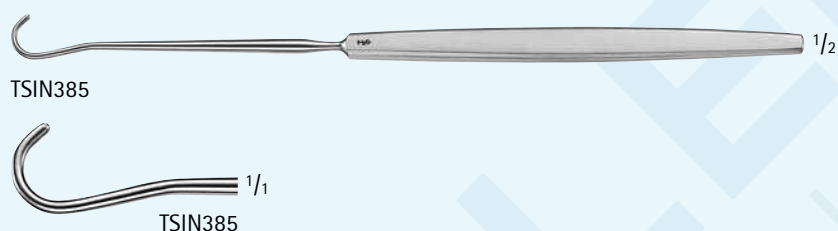
DANDY Nerve Hook

Catalog Number	Tip Size (mm)	Blade End	Length (in.)
TSIN383	1 x 8	BLUNT	8 3/4



WEARY Nerve Hook

Catalog Number	Color	Length (in.)
TSIN384	BLACK	8

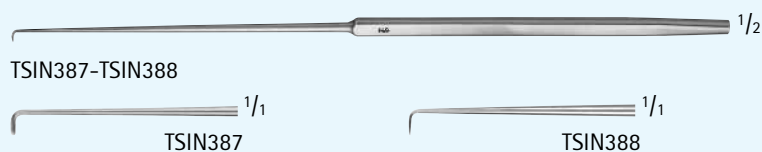


SMITHWICK Nerve Hook

Catalog Number	Length (in.)
TSIN385	8 1/4

SMITHWICK Nerve Hook and Dissector,
Double Ended

Catalog Number	Length (in.)
TSIN386	12 1/4

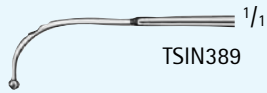


ADSON Nerve Hook

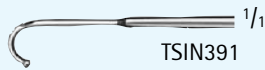
Catalog Number	Tip	Length (in.)
TSIN387	BLUNT	7 1/2
TSIN388	SHARP	7 1/2



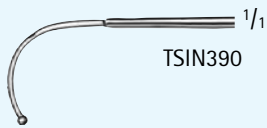
TSIN389-TSIN392



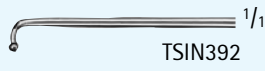
TSIN389



TSIN391



TSIN390



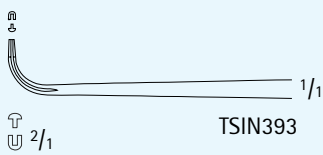
TSIN392

YASARGIL Ligature Guide, W/ Ball Point

Catalog Number	Tip	Length (in.)
TSIN389	CVD-LEFT	7 1/4
TSIN390	CVD	7 1/4
TSIN391	HEAVY-CVD	7 1/4
TSIN392	90°	7 1/4



TSIN393



TSIN393

YASARGIL Ligature Forceps

Catalog Number	Tip	Shape	Length (in.)
TSIN393	TOOTHED	BAYONET	7



TSIN394



TSIN394

CASPAR Suture Pusher

Catalog Number	Shape	Length (in.)
TSIN394	BAYONET	9



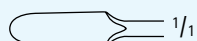
TSIN395-TSIN396

HOEN Dural Separator

Catalog Number	Tip	Depth (mm)	Width (mm)	Length (in.)
TSIN395	90°	15	3.0	5 1/2
TSIN396	45°	15	3.0	6



TSIN397



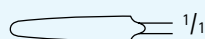
TSIN397

DORSEY Dural Separator

Catalog Number	Depth (mm)	Width (mm)	Length (in.)
TSIN397	15	5.0	6



TSIN398



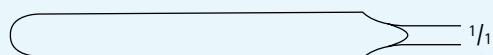
TSIN398

FRAZIER Dural Separator

Catalog Number	Depth (mm)	Width (mm)	Length (in.)
TSIN398	13	3.0	6



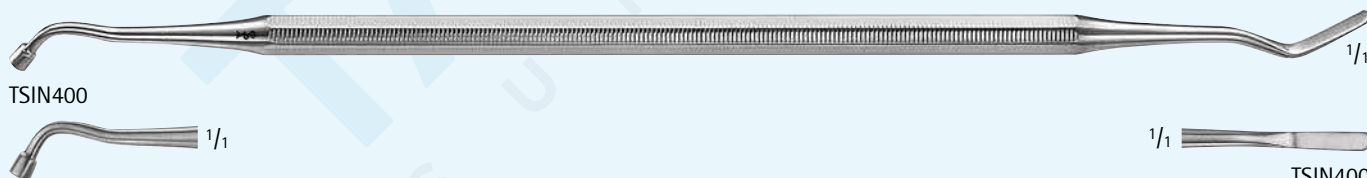
TSIN399



TSIN399

HORSLEY Dural Separator

Catalog Number	Depth (mm)	Width (mm)	Length (in.)
TSIN399	55	6.5	8 1/4



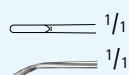
TSIN400

WOODSON Dural Separator, Double Ended

Catalog Number	Length (in.)
TSIN400	7



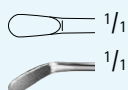
TSIN401-FD418R



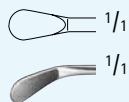
TSIN401



TSIN403



TSIN405



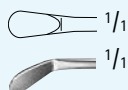
TSIN407



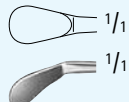
TSIN402



TSIN404



TSIN406



TSIN408

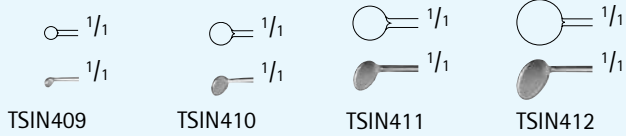
SAMII Knives for Tumor Tissue

Catalog Number	Tip Size (mm)	Length (in.)
TSIN401	1.0	9
TSIN402	1.5	9
TSIN403	2.0	9
TSIN404	2.5	9
TSIN405	3.0	9
TSIN406	3.5	9
TSIN407	4.0	9
TSIN408	5.0	9



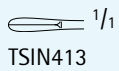
SAMII Tumor Tissue Knife, Round Blade

Catalog Number	Diameter (mm)	Length (in.)
TSIN409	1.5	9
TSIN410	3.0	9
TSIN411	4.5	9
TSIN412	6.0	9



SAMII Lancet Knife

Catalog Number	Length (in.)
TSIN413	9



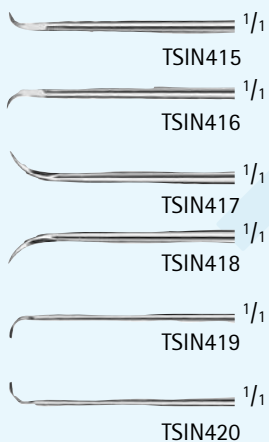
CASPAR Micro Knife

Catalog Number	Tip	Shape	Length (in.)
TSIN414	BLUNT	STR	7 7/8



KOOS Micro Vessel Knife, Bayonet-Shaped

Catalog Number	Tip	Length (in.)
TSIN415	CVD-UP	7 1/4
TSIN416	CVD-DOWN	7 1/4
TSIN417	SLIGHT CVD-UP	7 1/4
TSIN418	SLIGHT CVD-DOWN	7 1/4
TSIN419	STRONG CVD-DOWN	7 1/4
TSIN420	STRONG CVD-UP	7 1/4



JACOBSON Vessel Knife

Catalog Number	Length (in.)
TSIN421	7 1/4





TSIN422



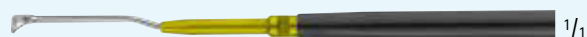
TSIN422

Diamond Knife

Catalog Number	Tip	Blade	Handle Color	Length (in.)
TSIN422	7 FACETS	ROUND	GOLD	8



TSIN423



TSIN423

Diamond Knife

Catalog Number	Tip	Blade	Handle Color	Length (in.)
TSIN423	60°	RETRO	COPPER	8



TSIN424



TSIN424

Diamond Knife

Catalog Number	Tip	Blade	Handle Color	Length (in.)
TSIN424	45°	WEDGE	BLACK	8



TSIN425



TSIN425

Diamond Knife

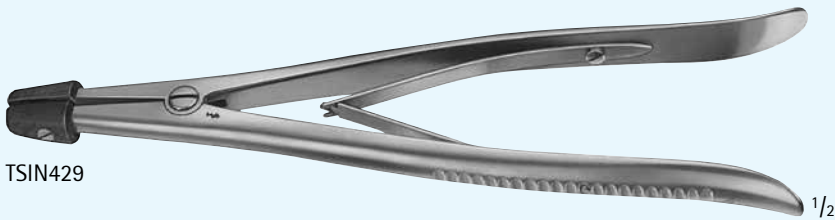
Catalog Number	Tip	Blade	Handle Color	Length (in.)
TSIN425	60°	LANCET	BRONZE	8



TSIN426-TSIN428

CUSHING-LANDOLT Transssphenoidal Speculum

Catalog Number	Blade Size (mm)	Length (in.)
TSIN426	70 x 15	-
TSIN427	90 x 15	-
TSIN428	110 x 15	-
TSIN429	SPREADER FOR OK100R-OK102R	8 1/4



TSIN429



TSIN430-TSIN432

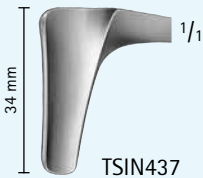
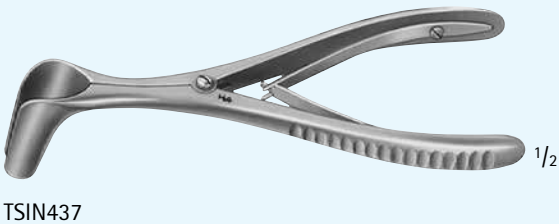
KILLIAN Speculum, Self Retaining

Catalog Number	Blade Size (mm)
TSIN430	51 x 7
TSIN431	76 x 7
TSIN432	90 x 7



PAPAVERO-HARTMANN (CASPAR)
Transsphenoidal Speculum, Slim,
W/ Key

Catalog Number	Blade Size (mm)	Description	Length (in.)
TSIN433	80 x 11	-	-
TSIN434	90 x 13	-	-
TSIN435	100 x 15	-	-
TSIN436	-	HEX KEY	-
TSIN437	34 x 9	SPREADER FOR FF589R-FF591R	5 1/2

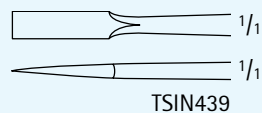


Noir Transsphenoidal Specula

Catalog Number	Blade Size (mm)
TSIN438	90 x 13



TSIN439



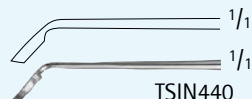
TSIN439

PAPAVERO Chisel

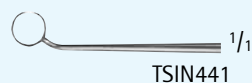
Catalog Number	Tip	Tip Size (mm)	Shape	Length (in.)
TSIN439	STR	4.0	BAYONET	9



TSIN440-TSIN441



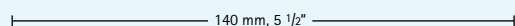
TSIN440



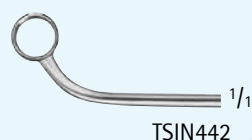
TSIN441

RAY Curette

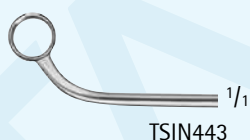
Catalog Number	Tip	Diameter (mm)	Length (in.)
TSIN440	HORIZONTAL 45°	4.0	7
TSIN441	VERTICAL 45°	4.0	7



TSIN442-TSIN444



TSIN442



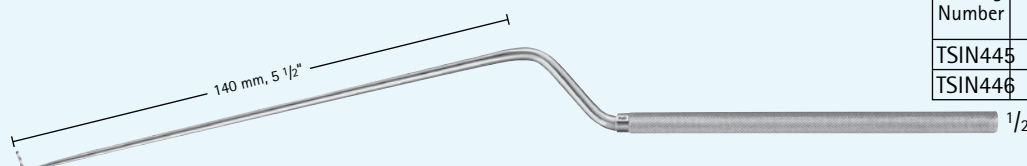
TSIN443



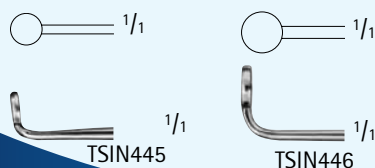
TSIN444

NICOLA Curette, Malleable, Bayonet-Shaped

Catalog Number	Tip	Diameter (mm)	Working Length (in.)	Length (in.)
TSIN442	CUT-RIGHT	6.5	5 1/2	10 1/4
TSIN443	CUT-LEFT	6.5	5 1/2	10 1/4
TSIN444	-	6.5	5 1/2	10 1/4



TSIN445-TSIN446

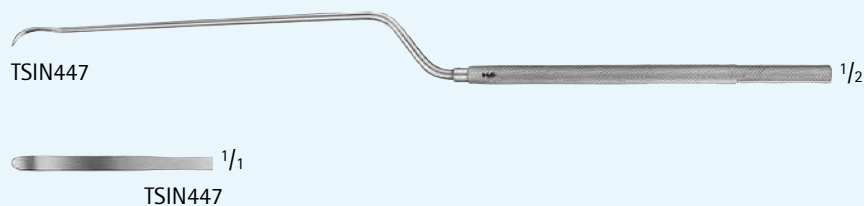


TSIN445

TSIN446

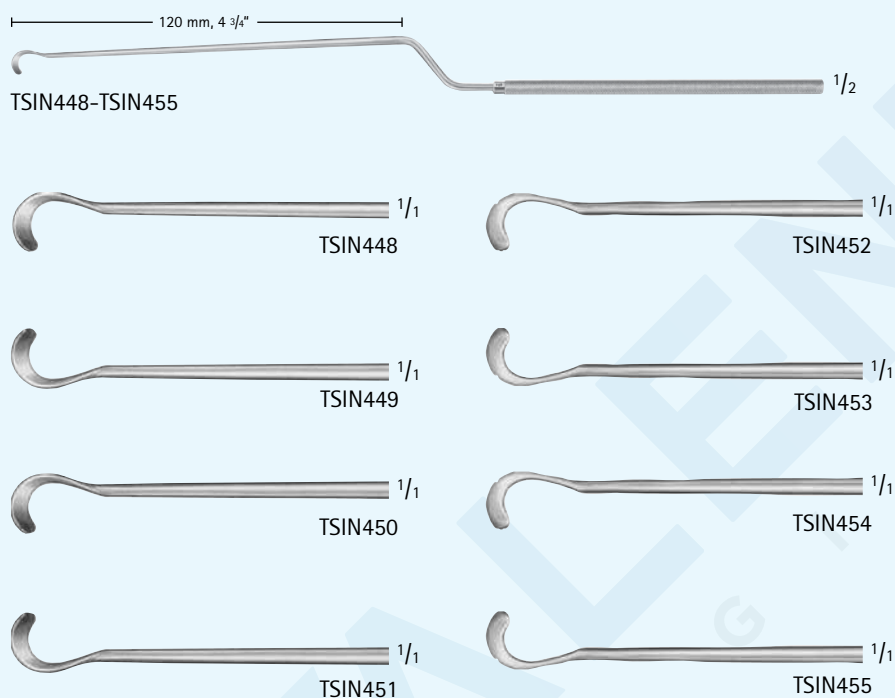
HARDY Curette, Malleable, Bayonet-Shaped

Catalog Number	Diameter (mm)	Working Length (in.)	Length (in.)
TSIN445	4.0	5 1/2	10 1/4
TSIN446	6.0	5 1/2	10 1/4



NICOLA Raspatory, Bayonet-Shaped

Catalog Number	Length (in.)
TSIN447	8 3/4

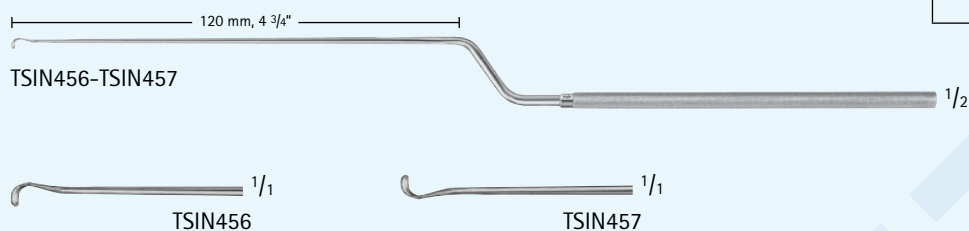


HARDY Enucleator, Bayonet-Shaped

Catalog Number	Tip	Working Length (in.)	Length (in.)
TSIN448	CVD-RIGHT, CUT-RIGHT, BLUNT	4 3/4	9 5/8
TSIN449	CVD-LEFT, CUT-RIGHT, BLUNT	4 3/4	9 5/8
TSIN450	CVD-RIGHT, CUT-RIGHT, SHARP	4 3/4	9 5/8
TSIN451	CVD-LEFT, CUT-RIGHT, SHARP	4 3/4	9 5/8
TSIN452	CVD-RIGHT, CUT-LEFT, BLUNT	4 3/4	9 5/8
TSIN453	CVD-LEFT, CUT-LEFT, BLUNT	4 3/4	9 5/8
TSIN454	CVD-RIGHT, CUT-LEFT, SHARP	4 3/4	9 5/8
TSIN455	CVD-LEFT, CUT-LEFT, SHARP	4 3/4	9 5/8

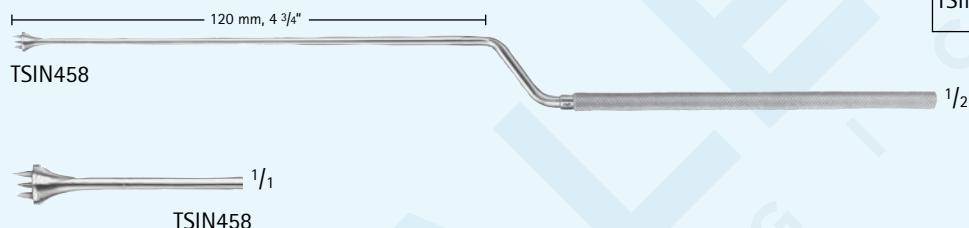
HARDY-FAHLBUSCH Dissector, Bayonet-Shaped

Catalog Number	Tip	Working Length (in.)	Length (in.)
TSIN456	CVD-RIGHT, CUT-LEFT, SHARP	4 3/4	9 5/8
TSIN457	CVD-LEFT, CUT-RIGHT, SHARP	4 3/4	9 5/8



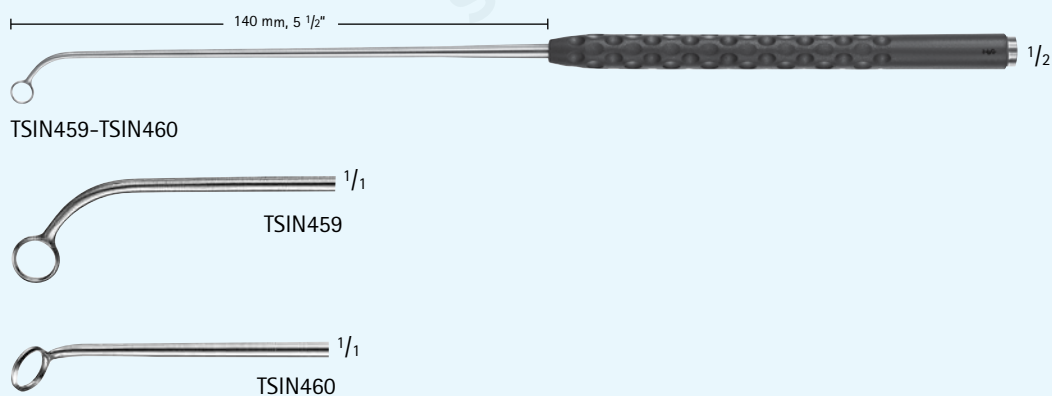
HARDY Implant Fork, Bayonet-Shaped

Catalog Number	Working Length (in.)	Length (in.)
TSIN458	4 3/4	9 5/8



NICOLA Curette

Catalog Number	Tip	Diameter (mm)	Handle	Working Length (in.)	Length (in.)
TSIN459	VERTICAL 45°	6.5	STR	5 1/2	10 1/2
TSIN460	HORIZONTAL 45°	6.5	STR	5 1/2	10 1/2



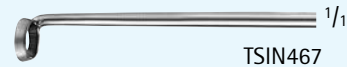
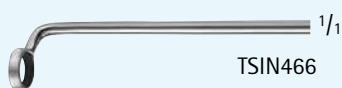
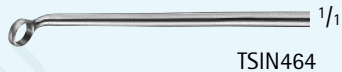
HARDY Enucleator

Catalog Number	Tip	Handle	Working Length (in.)	Length (in.)
TSIN461	CVD-LEFT, CUT-LEFT	STR	5 1/2	10 1/2
TSIN462	CVD-LEFT, CUT-RIGHT	STR	5 1/2	10 1/2



HARDY Curette

Catalog Number	Tip	Diameter (mm)	Handle	Working Length (in.)	Length (in.)
TSIN463	45° SHORT NECK	4.0	STR	5 1/2	10 1/2
TSIN464	90° LONG NECK	4.0	STR	5 1/2	10 1/2
TSIN465	90° SHORT NECK	4.0	STR	5 1/2	10 1/2
TSIN466	90° LONG NECK	6.0	STR	5 1/2	10 1/2
TSIN467	90° SHORT NECK	6.0	STR	5 1/2	10 1/2



LANDOLT-REULEN Hook

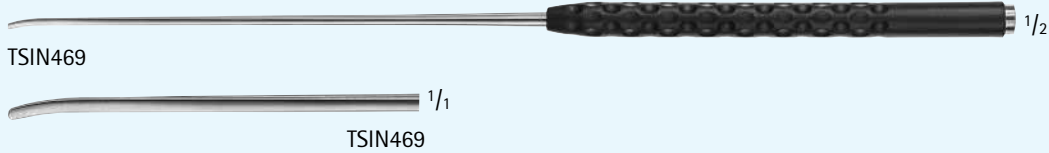
Catalog Number	Diameter (mm)	Handle	Working Length (in.)	Length (in.)
TSIN468	1.7	STR	5 1/2	10 1/2





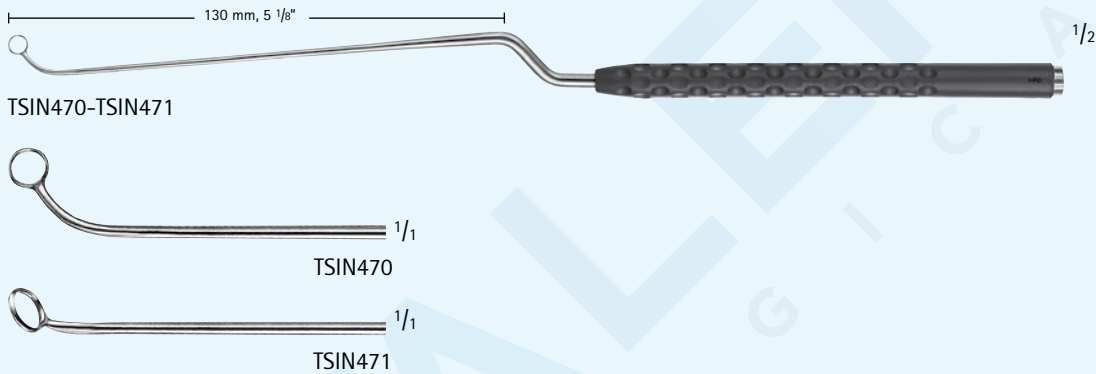
LANDOLT-REULEN Dissector

Catalog Number	Diameter (mm)	Handle	Working Length (in.)	Length (in.)
TSIN469	2.0	STR	5 1/2	10 1/2



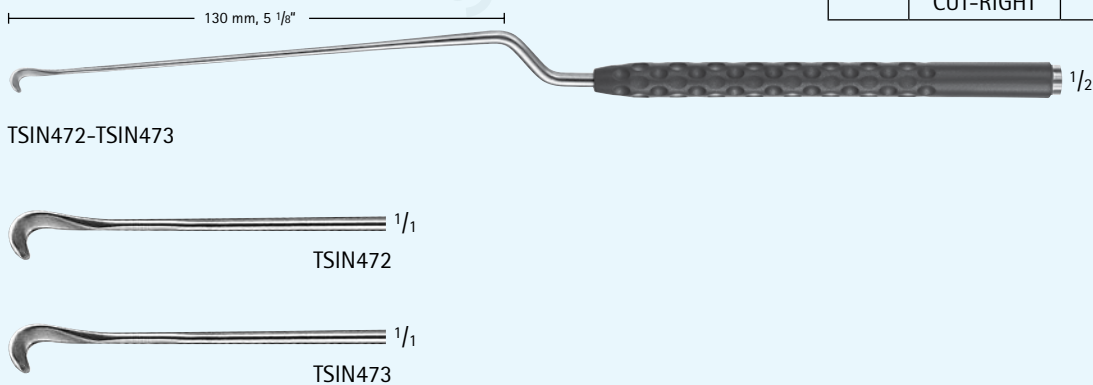
NICOLA Curette, Bayonet-Shaped

Catalog Number	Tip	Diameter (mm)	Working Length (in.)	Length (in.)
TSIN470	VERTICAL 45°	6.5	5 1/8	11
TSIN471	HORIZONTAL 45°	6.5	5 1/8	11



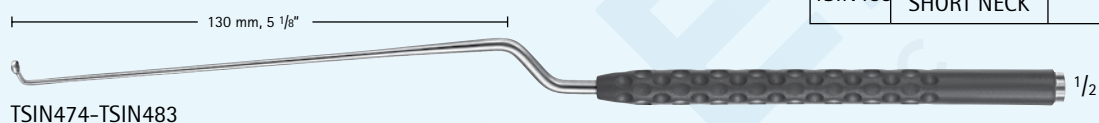
HARDY Enucleator, Bayonet-Shaped

Catalog Number	Tip	Working Length (in.)	Length (in.)
TSIN472	CVD-LEFT, CUT-LEFT	5 1/8	11
TSIN473	CVD-LEFT, CUT-RIGHT	5 1/8	11



HARDY Curette, Bayonet-Shaped

Catalog Number	Tip	Diameter (mm)	Working Length (in.)	Length (in.)
TSIN474	90° LEFT/ LONG NECK	4.0	5 1/8	11
TSIN475	90° LEFT/ SHORT NECK	4.0	5 1/8	11
TSIN476	90° RIGHT/ LONG NECK	4.0	5 1/8	11
TSIN477	90° RIGHT/ SHORT NECK	4.0	5 1/8	11
TSIN478	45° LEFT HORIZONTAL/ SHORT NECK	4.0	5 1/8	11
TSIN479	45° RIGHT HORIZONTAL/ SHORT NECK	4.0	5 1/8	11
TSIN480	90° LEFT/ LONG NECK	6.0	5 1/8	11
TSIN481	90° LEFT/ SHORT NECK	6.0	5 1/8	11
TSIN482	90° RIGHT/ LONG NECK	6.0	5 1/8	11
TSIN483	90° RIGHT/ SHORT NECK	6.0	5 1/8	11



TSIN474-TSIN483



TSIN474



TSIN479



TSIN475



TSIN480



TSIN476



TSIN481



TSIN477 1/1



TSIN482



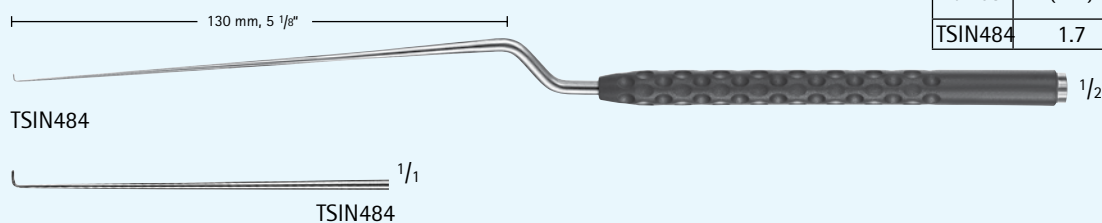
TSIN478



TSIN483

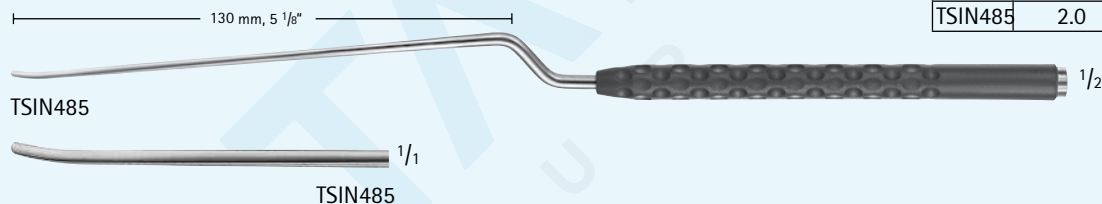
LANDOLT-REULEN Hook,
Bayonet-Shaped

Catalog Number	Diameter (mm)	Working Length (in.)	Length (in.)
TSIN484	1.7	5 1/8	11



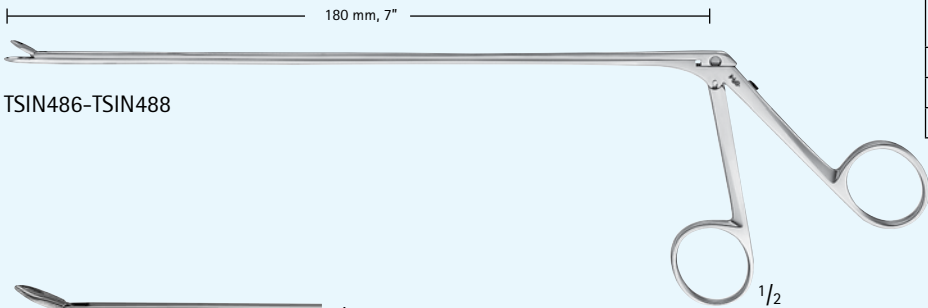
LANDOLT-REULEN Dissector,
Bayonet-Shaped

Catalog Number	Diameter (mm)	Working Length (in.)	Length (in.)
TSIN485	2.0	5 1/8	11



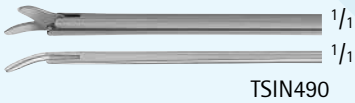
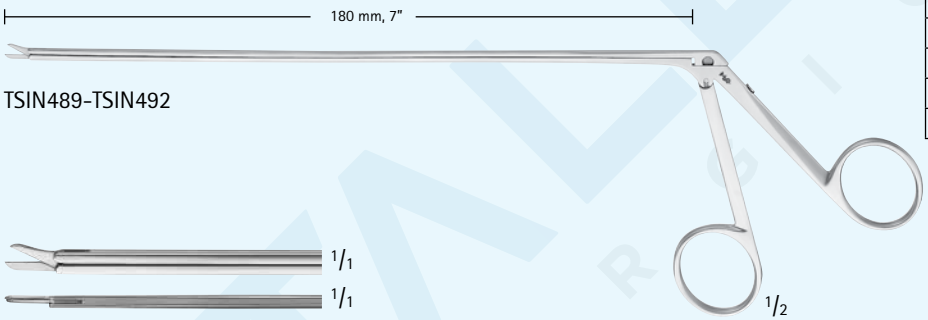
Micro Forceps

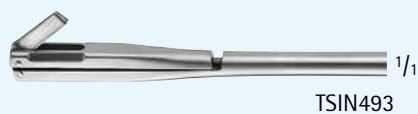
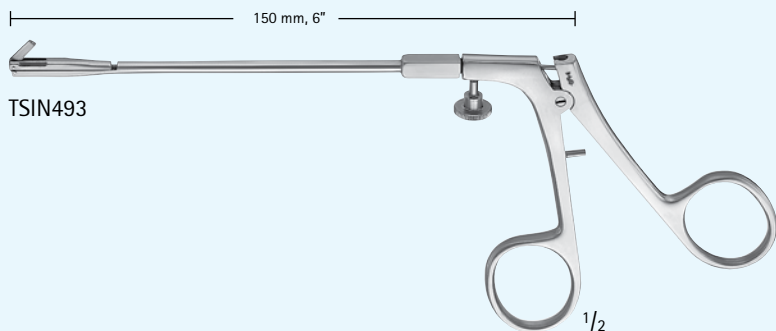
Catalog Number	Blade	Length (in.)
TSIN486	STR	7
TSIN487	CVD-RIGHT	7
TSIN488	CVD-LEFT	7



Micro Scissors

Catalog Number	Blade	Length (in.)
TSIN489	STR	7
TSIN490	CVD-LEFT	7
TSIN491	CVD-RIGHT	7
TSIN492	ANG	7





Antrum Punch, Backwards Cutting

Catalog Number	Shaft	Working Length (in.)	Length (in.)
TSIN493	ROTATABLE 360°	4 3/4	6

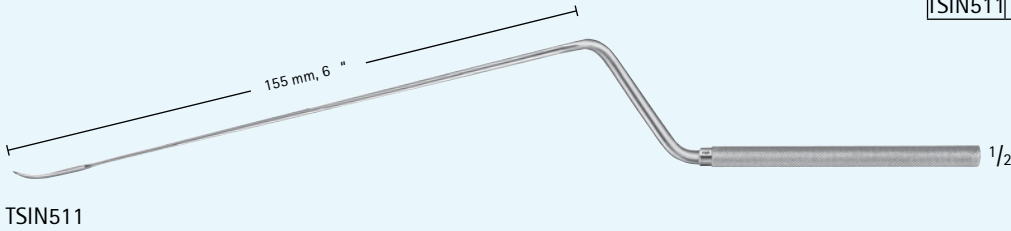
Rotatable Ring Curette

Catalog Number	Tip	Tip Size (mm)	Length (in.)
TSIN494	45°, BLUNT	2.0	10 1/2
TSIN495	45°, BLUNT	3.0	10 1/2
TSIN496	45°, BLUNT	4.0	10 1/2
TSIN497	45°, BLUNT	5.0	10 1/2
TSIN498	90°, BLUNT	2.0	10 1/2
TSIN499	90°, BLUNT	3.0	10 1/2
TSIN500	90°, BLUNT	4.0	10 1/2
TSIN501	90°, BLUNT	5.0	10 1/2
TSIN502	90°, BLUNT	6.0	10 1/2
TSIN503	45°, SHARP	2.0	10 1/2
TSIN504	45°, SHARP	3.0	10 1/2
TSIN505	45°, SHARP	4.0	10 1/2
TSIN506	45°, SHARP	5.0	10 1/2
TSIN507	90°, SHARP	2.0	10 1/2
TSIN508	90°, SHARP	3.0	10 1/2
TSIN509	90°, SHARP	4.0	10 1/2
TSIN510	90°, SHARP	5.0	10 1/2



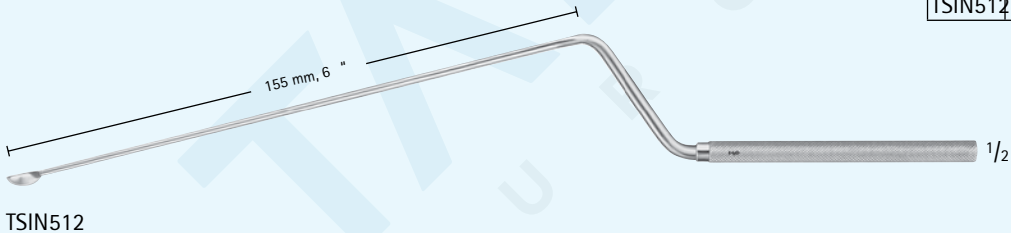
LANDOLT Spatula, Bayonet-Shaped

Catalog Number	Shaft	Working Length (in.)	Length (in.)
TSIN511	MALLEABLE	6 1/8	10 1/4



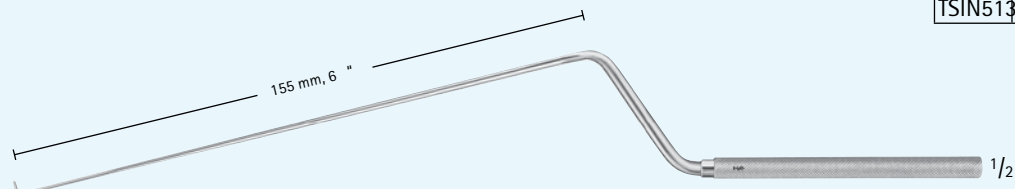
LANDOLT Spoon, Bayonet-Shaped

Catalog Number	Shaft	Working Length (in.)	Length (in.)
TSIN512	MALLEABLE	6 1/8	10 1/4



LANDOLT Hook, Blunt, Bayonet-Shaped

Catalog Number	Shaft	Working Length (in.)	Length (in.)
TSIN513	MALLEABLE	6 1/8	10 1/4



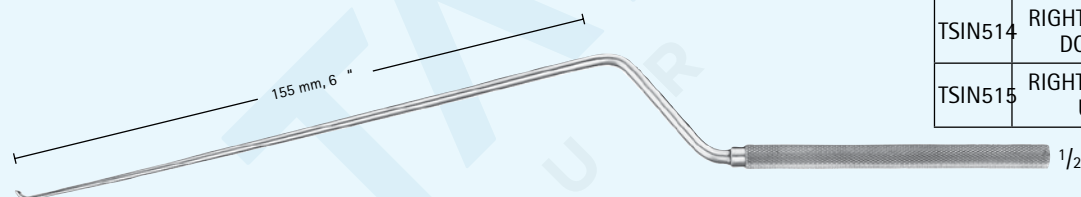
TSIN513



TSIN513

LANDOLT Enucleator, Malleable, Bayonet-Shaped

Catalog Number	Tip	Working Length (in.)	Length (in.)
TSIN514	RIGHT BLUNT DOWN	6 1/8	10 1/4
TSIN515	RIGHT BLUNT UP	6 1/8	10 1/4



TSIN514-TSIN515



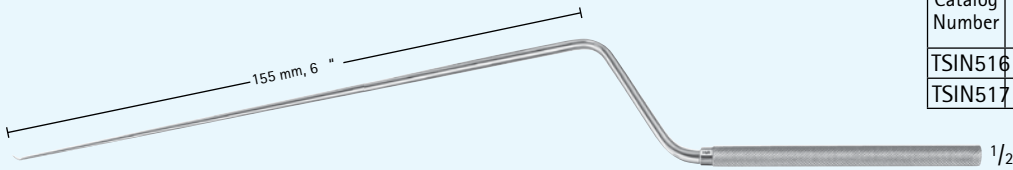
TSIN514



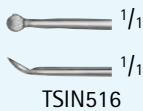
TSIN515

LANDOLT-REULEN Raspatory,
Bayonet-Shaped

Catalog Number	Diameter (mm)	Shaft	Working Length (in.)	Length (in.)
TSIN516	2.2	RIGID	6 1/8	10 1/4
TSIN517	3.2	RIGID	6 1/8	10 1/4

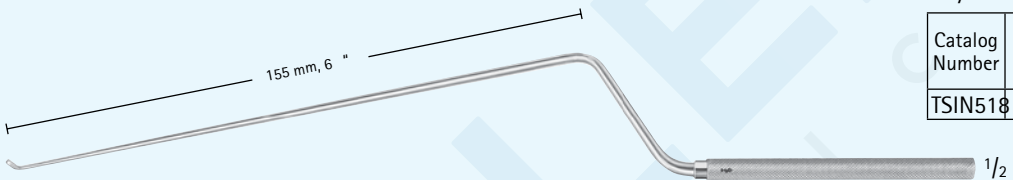


TSIN516-TSIN517

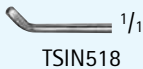
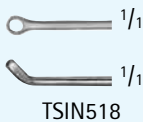


LANDOLT-REULEN Curette,
Bayonet-Shaped

Catalog Number	Diameter (mm)	Shaft	Working Length (in.)	Length (in.)
TSIN518	2.5	RIGID	6 1/8	10 1/4

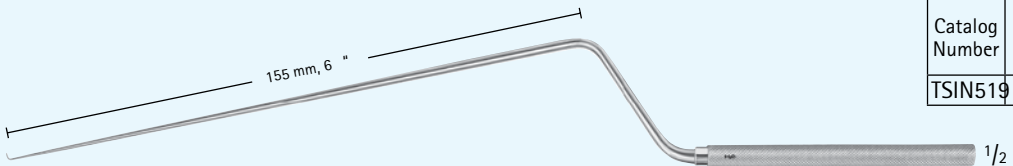


TSIN518

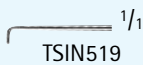


LANDOLT-REULEN Hook, Blunt,
Bayonet-Shaped

Catalog Number	Tip Size (mm)	Shaft	Working Length (in.)	Length (in.)
TSIN519	1.7	RIGID	6 1/8	10 1/4

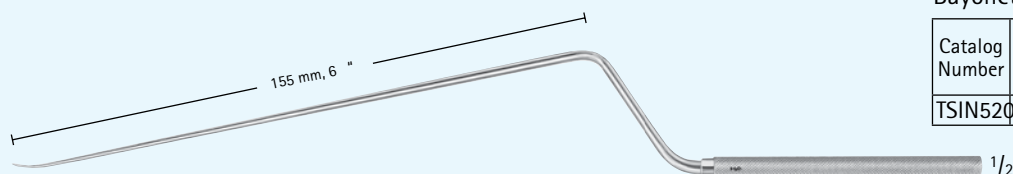


TSIN519

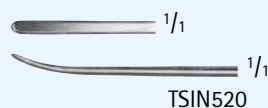


LANDOLT-REULEN Dissector,
Bayonet-Shaped

Catalog Number	Diameter (mm)	Shaft	Working Length (in.)	Length (in.)
TSIN520	2.0	RIGID	6 1/8	10 1/4



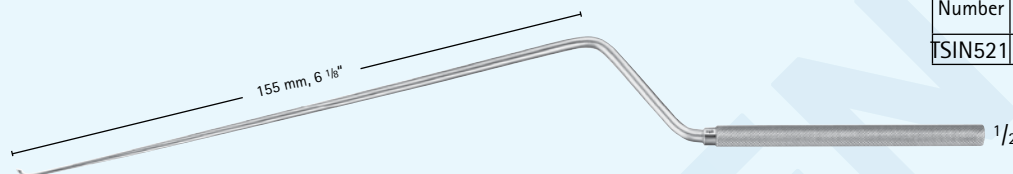
TSIN520



TSIN520

FAHLBUSCH Spoon, Bayonet-Shaped

Catalog Number	Diameter (mm)	Shaft	Working Length (in.)	Length (in.)
TSIN521	2.0	MALLEABLE	6 1/8	10 1/4



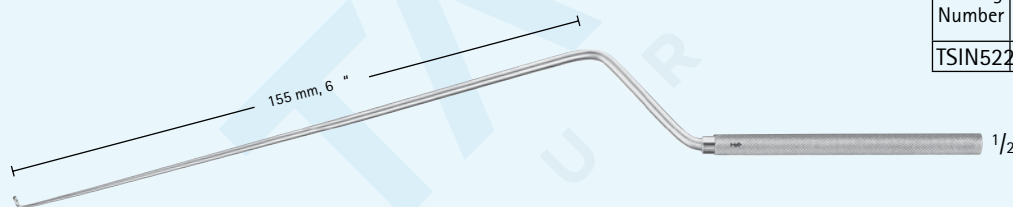
TSIN521



TSIN521

FAHLBUSCH Curette, Bayonet-Shaped

Catalog Number	Diameter (mm)	Shaft	Working Length (in.)	Length (in.)
TSIN522	2.5	MALLEABLE	6 1/8	10 1/4



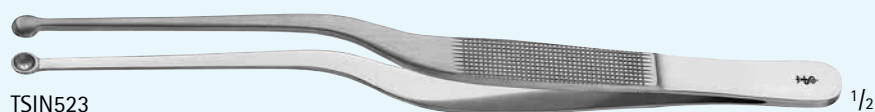
TSIN522



TSIN522

D'ERRICO Hypophyseal Forceps

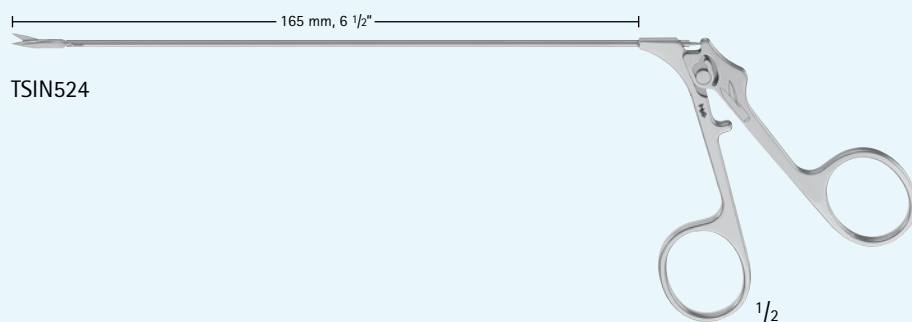
Catalog Number	Jaw	Jaw Size (mm)	Length (in.)
TSIN523	CUP	6.0	8 1/2



TSIN523



TSIN523



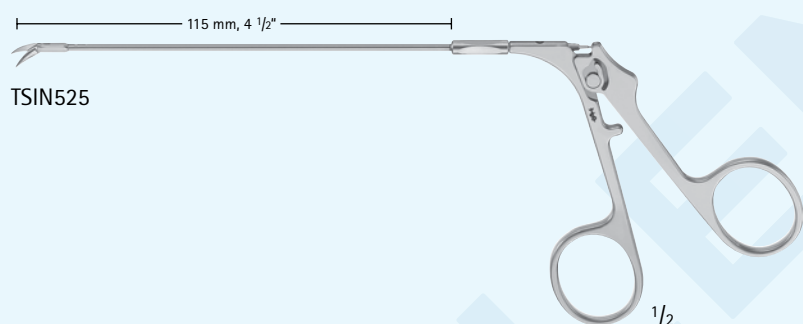
TSIN524

NICOLA Modular Micro Scissors

Catalog Number	Tip	Blade	Shaft	Working Length (in.)
TSIN524	S/S	STR	TUBULAR	6 1/2



TSIN524



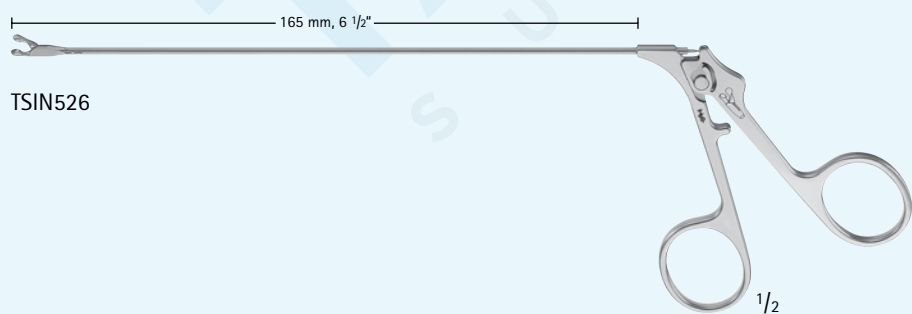
TSIN525

CASPAR Modular Micro Scissors

Catalog Number	Tip	Blade	Shaft	Working Length (in.)
TSIN525	S/S	CVD	ROTATABLE 360°	4 1/2



TSIN525



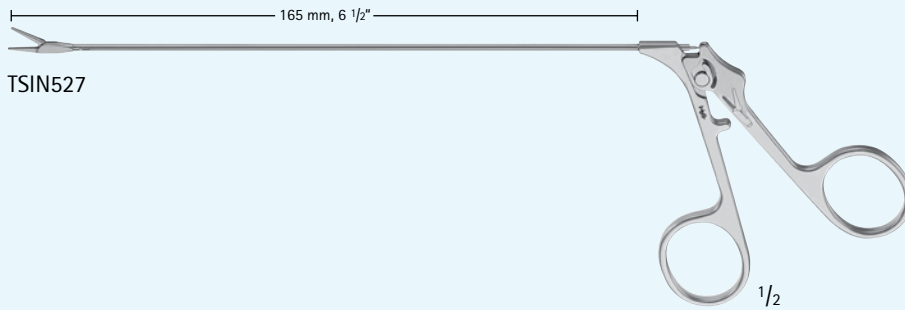
TSIN526

NICOLA Modular Micro Forceps

Catalog Number	Jaw	Tip Size (mm)	Working Length (in.)
TSIN526	SCOOP-SHAPED	DIAM. 2.5 MM	6 1/2



TSIN526



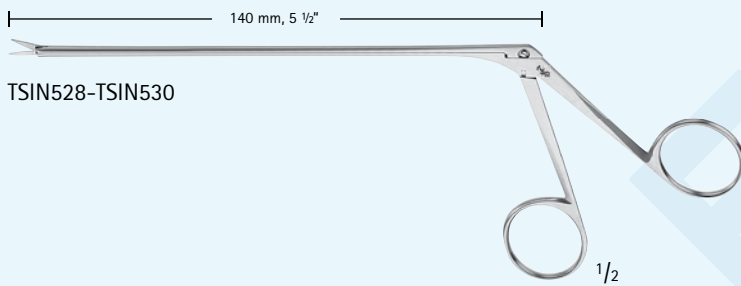
TSIN527

YASARGIL-NICOLA Modular Micro Forceps

Catalog Number	Jaw	Tip	Working Length (in.)
TSIN527	LONG	STR, SERR	6 1/2



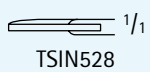
TSIN527



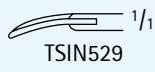
TSIN528-TSIN530

KURZE Dissecting Scissors

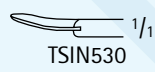
Catalog Number	Tip	Blade	Length (in.)
TSIN528	B/B	STR	5 1/2
TSIN529	B/B	CVD-LEFT	5 1/2
TSIN530	B/B	CVD-RIGHT	5 1/2



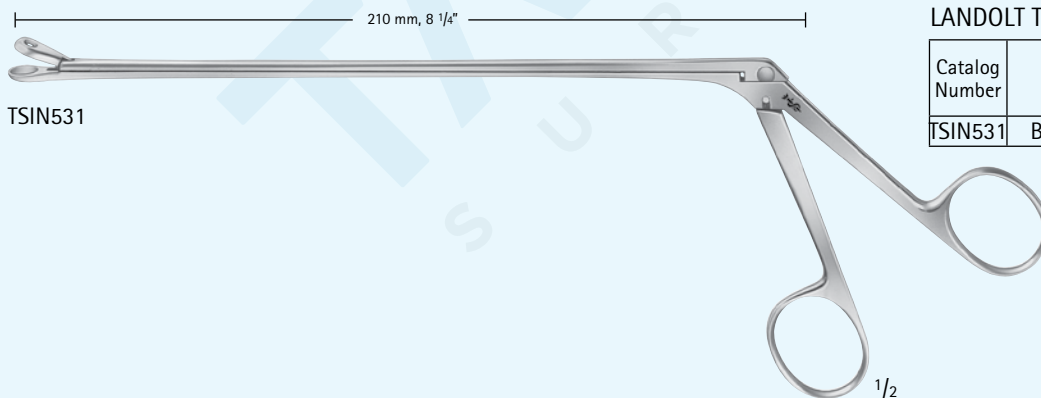
TSIN528



TSIN529



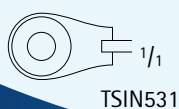
TSIN530



TSIN531

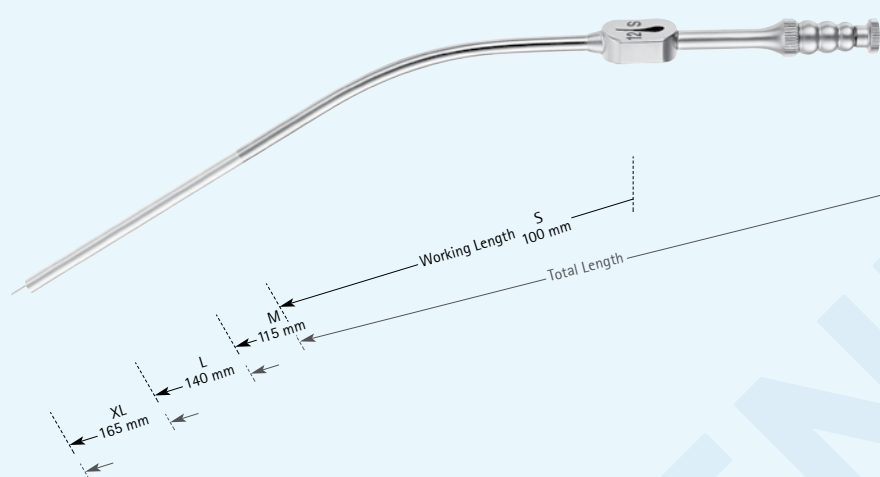
LANDOLT Tumor Grasping Forceps

Catalog Number	Jaw	Jaw Size (mm)	Shaft Length (in.)
TSIN531	BLUNT	DIAM. 9.0	8 1/4



TSIN531

- Teardrop shaped thumb control for a very precise suction regulation
- Malleable material for individual forming of the suction hose
- Conical design of the tube prevents plugging
- Delivered with stylet



TSIN532-TSIN567

Suction Tube, Fukushima Style,
W/ Tapered Teardrop Control

Catalog Number	Size	Tip Size (mm)	Tip Size (FR)	Working Length (in.)	Length (in.)
TSIN532	S	1.0	3	4	6 1/2
TSIN533	S	1.4	4	4	6 1/2
TSIN534	S	1.7	5	4	6 1/2
TSIN535	S	2.0	6	4	6 1/2
TSIN536	S	2.3	7	4	6 1/2
TSIN537	S	2.7	8	4	6 1/2
TSIN538	S	3.0	9	4	6 1/2
TSIN539	S	3.3	10	4	6 1/2
TSIN540	S	4.0	12	4	6 1/2
TSIN541	M	1.0	3	4 1/2	7
TSIN542	M	1.4	4	4 1/2	7
TSIN543	M	1.7	5	4 1/2	7
TSIN544	M	2.0	6	4 1/2	7
TSIN545	M	2.3	7	4 1/2	7
TSIN546	M	2.7	8	4 1/2	7
TSIN547	M	3.0	9	4 1/2	7
TSIN548	M	3.3	10	4 1/2	7
TSIN549	M	4.0	12	4 1/2	7
TSIN550	L	1.0	3	5 1/2	8
TSIN551	L	1.4	4	5 1/2	8
TSIN552	L	1.7	5	5 1/2	8
TSIN553	L	2.0	6	5 1/2	8
TSIN554	L	2.3	7	5 1/2	8
TSIN555	L	2.7	8	5 1/2	8
TSIN556	L	3.0	9	5 1/2	8
TSIN557	L	3.3	10	5 1/2	8
TSIN558	L	4.0	12	5 1/2	8
TSIN559	XL	1.0	3	6 1/2	9
TSIN560	XL	1.4	4	6 1/2	9
TSIN561	XL	1.7	5	6 1/2	9
TSIN562	XL	2.0	6	6 1/2	9
TSIN563	XL	2.3	7	6 1/2	9
TSIN564	XL	2.7	8	6 1/2	9
TSIN565	XL	3.0	9	6 1/2	9
TSIN566	XL	3.3	12	6 1/2	9
TSIN567	XL	4.0	12	6 1/2	9



TSIN568-TSIN589



MIN Instruments, Noir™ Modular Suction Cannula,
F/ Golfball Handle

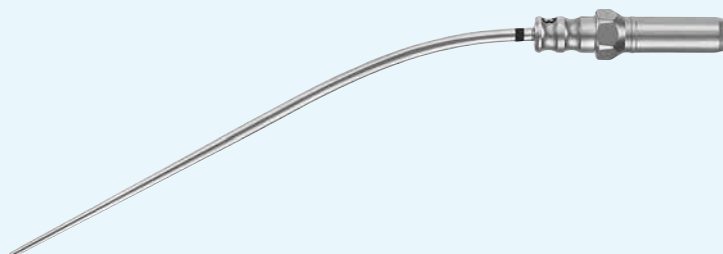
Catalog Number	Size	Tip	Tip Size (mm)	Tip Size (FR)	Working Length (in.)
TSIN568	S	STR	1.4	4	3 1/8
TSIN569	S	STR	2.0	6	3 1/8
TSIN570	S	STR	2.7	8	3 1/8
TSIN571	M	CVD LEFT	2.0	6	4
TSIN572	M	CVD RIGHT	2.0	6	4
TSIN573	M	CVD LEFT	2.7	8	4
TSIN574	M	CVD RIGHT	2.7	8	4
TSIN575	M	STR	1.4	4	4
TSIN576	M	STR	2.0	6	4
TSIN577	M	STR	2.7	8	4
TSIN578	M	STR, LATERAL HOLES	2.0	6	4
TSIN579	M	STR, LATERAL HOLES	2.7	8	4
TSIN580	L	STR	1.4	4	4 3/4
TSIN581	L	STR	2.0	6	4 3/4
TSIN582	L	STR	2.7	8	4 3/4
TSIN583	L	STR, LATERAL HOLES	2.0	6	4 3/4
TSIN584	L	STR, LATERAL HOLES	2.7	8	4 3/4
TSIN585	XL	STR	1.4	4	5 1/2
TSIN586	XL	STR	2.0	6	5 1/2
TSIN587	XL	STR	2.7	8	5 1/2
TSIN588	XL	STR, LATERAL HOLES	2.0	6	5 1/2
TSIN589	XL	STR, LATERAL HOLES	2.7	8	5 1/2



TSIN590

Modular Thumb Control for MIN
Suction Cannulas

Catalog Number	Description
TSIN590	TEAR DROP SHAPED



TSIN591-TSIN626

Modular Suction Cannula

Catalog Number	Size)	Tip Size (mm)	Tip Size (FR)	Working Length (in.)	Length (in.)
TSIN591	S	1.0	3	4	7 1/4
TSIN592	S	1.4	4	4	7 1/4
TSIN593	S	1.7	5	4	7 1/4
TSIN594	S	2.0	6	4	7 1/4
TSIN595	S	2.3	7	4	7 1/4
TSIN596	S	2.7	8	4	7 1/4
TSIN597	S	2.0	9	4	7 1/4
TSIN598	S	3.3	10	4	7 1/4
TSIN599	S	4.0	12	4	7 1/4
TSIN600	M	1.0	3	4 1/2	7 7/8
TSIN601	M	1.4	4	4 1/2	7 7/8
TSIN602	M	1.7	5	4 1/2	7 7/8
TSIN603	M	2.0	6	4 1/2	7 7/8
TSIN604	M	2.3	7	4 1/2	7 7/8
TSIN605	M	2.7	8	4 1/2	7 7/8
TSIN606	M	3.0	9	4 1/2	7 7/8
TSIN607	M	3.3	10	4 1/2	7 7/8
TSIN608	M	4.0	12	4 1/2	7 7/8
TSIN609	L	1.0	3	5 1/2	8 7/8
TSIN610	L	1.4	4	5 1/2	8 7/8
TSIN611	L	1.7	5	5 1/2	8 7/8
TSIN612	L	2.0	6	5 1/2	8 7/8
TSIN613	L	2.3	7	5 1/2	8 7/8
TSIN614	L	2.7	8	5 1/2	8 7/8
TSIN615	L	3.0	9	5 1/2	8 7/8
TSIN616	L	3.3	10	5 1/2	8 7/8
TSIN617	L	4.0	12	5 1/2	8 7/8
TSIN618	XL	1.0	3	6 1/2	9 3/4
TSIN619	XL	1.4	4	6 1/2	9 3/4
TSIN620	XL	1.7	5	6 1/2	9 3/4
TSIN621	XL	2.0	6	6 1/2	9 3/4
TSIN622	XL	2.3	7	6 1/2	9 3/4
TSIN623	XL	2.7	8	6 1/2	9 3/4
TSIN624	XL	3.0	9	6 1/2	9 3/4
TSIN625	XL	3.3	10	6 1/2	9 3/4
TSIN626	XL	4.0	12	6 1/2	9 3/4



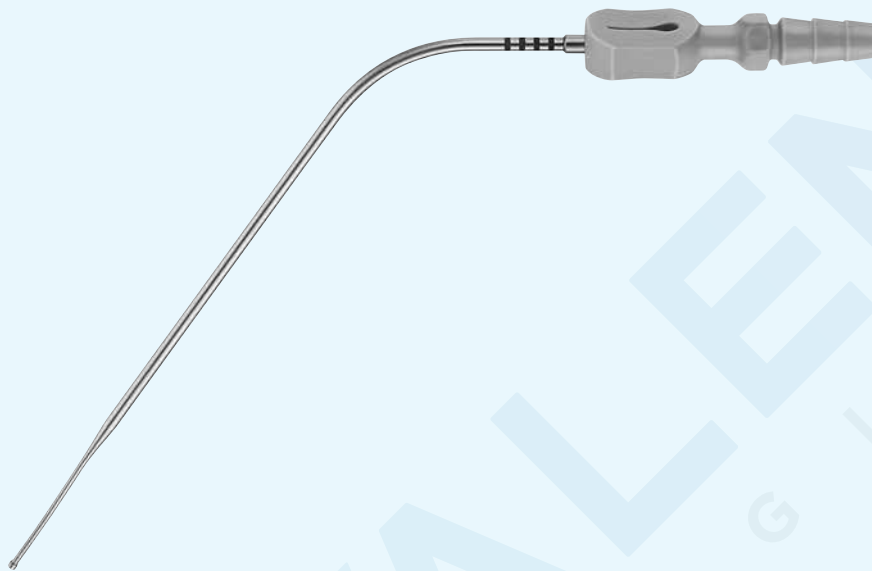
TSIN627

Thumb Control for Modular Suction Tubes

Catalog Number	Shape
TSIN627	TEARDROP SHAPED

RAABE Micro Suction Tube, W/ Tapered Teardrop Control

Catalog Number	Tip	Tip Size (mm)	Tip Size (FR)	Handle	Working Length (in.)	Length (in.)
TSIN628	ATRAUMATIC	1.4	4	YELLOW	3 1/8	5 1/8
TSIN629	ATRAUMATIC	2.0	6	BLUE	3 1/8	5 1/8
TSIN630	ATRAUMATIC	2.7	8	GREEN	3 1/8	5 1/8
TSIN631	ATRAUMATIC	1.4	4	YELLOW	4	6
TSIN632	ATRAUMATIC	2.0	6	BLUE	4	6
TSIN633	ATRAUMATIC	2.7	8	GREEN	4	6
TSIN634	ATRAUMATIC	1.4	4	YELLOW	4 3/4	6 1/2
TSIN635	ATRAUMATIC	2.0	6	BLUE	4 3/4	6 1/2
TSIN636	ATRAUMATIC	2.7	8	GREEN	4 3/4	6 1/2
TSIN637	ATRAUMATIC	1.4	4	YELLOW	5 1/2	7 1/4
TSIN638	ATRAUMATIC	2.0	6	BLUE	5 1/2	7 1/4
TSIN639	ATRAUMATIC	2.7	8	GREEN	5 1/2	7 1/4



TSIN628-TSIN639

Suction Tube, Fukushima Style, W/ Tapered Teardrop Control

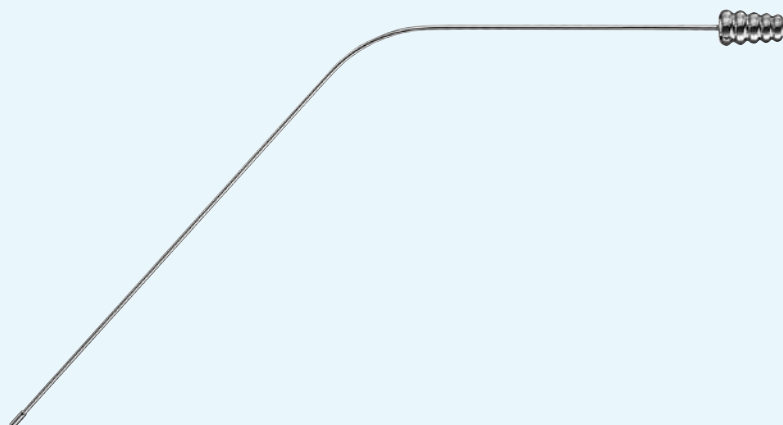
Catalog Number	Tip	Tip Size (mm)	Tip Size (FR)	Working Length (in.)	Length (in.)
TSIN640	CVD-RIGHT	2.0	8	5 1/4	9 3/4
TSIN641	CVD-LEFT	2.0	6	5 1/4	9 3/4



TSIN640-TSIN641



TSIN640-TSIN641

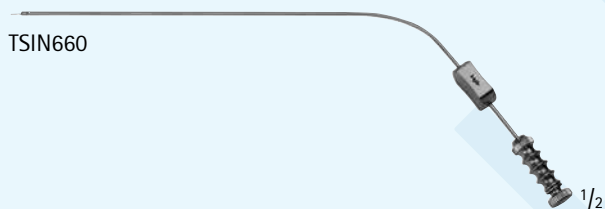


TSIN642-TSIN658

YASARGIL Suction Tube

Catalog Number	Tip Size (mm)	Length (in.)
TSIN642	1.5	5
TSIN643	1.5	6
TSIN644	1.5	7
TSIN645	1.5	8 1/2
TSIN646	2.0	5
TSIN647	2.0	6
TSIN648	2.0	7
TSIN649	2.0	8 1/2
TSIN650	2.5	5
TSIN651	2.5	6
TSIN652	2.5	7
TSIN653	2.5	8 1/2
TSIN654	3.5	5
TSIN655	3.5	6
TSIN656	3.5	7
TSIN657	3.5	8 1/2
TSIN658	4.5	7

TSIN660



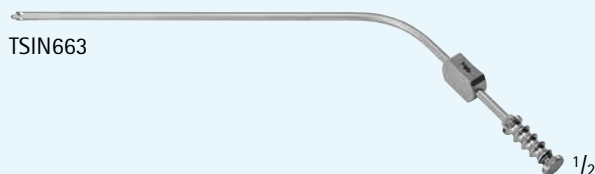
TSIN661



TSIN662



TSIN663

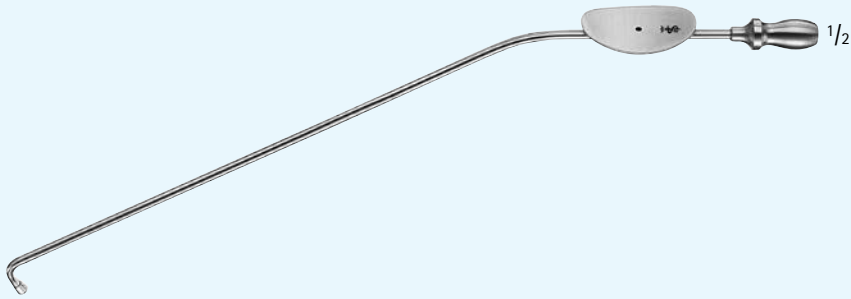


MCCULLOCH Suction Tube

Catalog Number	Tip Size (mm)	Length (in.)
TSIN659	COMPLETE SET	5 3/4
TSIN660	1.7	5 3/4
TSIN661	2.3	5 3/4
TSIN662	3.0	5 3/4
TSIN663	4.0	5 3/4

TSIN659 Set of 4 Includes:

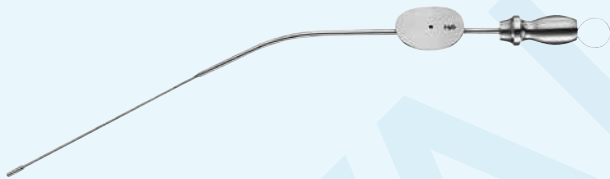
1 Suction cannula of each TSIN663, TSIN660, TSIN661, TSIN662



TSIN664-TSIN669

Atraumatic Suction Tube

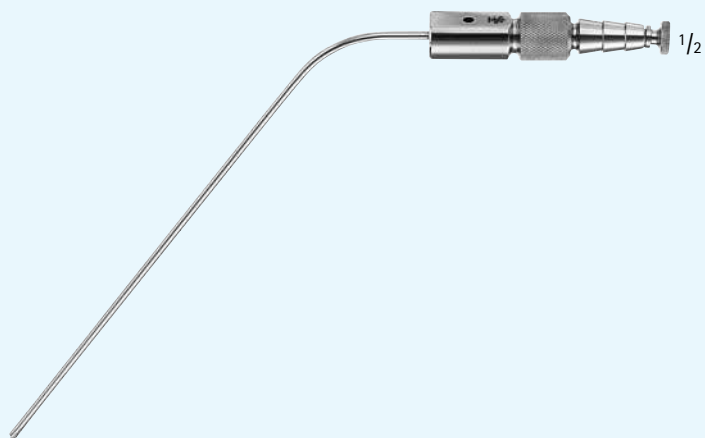
Catalog Number	Tip	Tip Size (FR)	Length (in.)
TSIN664	90° DOWN	5	8 1/2
TSIN665	90° DOWN	7	8 1/2
TSIN666	90° DOWN	10	8 1/2
TSIN667	90° UP	5	8 1/2
TSIN668	90° UP	7	8 1/2
TSIN669	90° UP	10	8 1/2



TSIN670-TSIN684

Atraumatic Suction Tube

Catalog Number	Tip Size (FR)	Working Length (in.)	Length (in.)
TSIN670	3	3	6 1/4
TSIN671	5	3	6 1/4
TSIN672	7	3	6 1/4
TSIN673	10	3	6 1/4
TSIN674	12	3	6 1/4
TSIN675	3	4	7 1/4
TSIN676	5	4	7 1/4
TSIN677	7	4	7 1/4
TSIN678	10	4	7 1/4
TSIN679	12	4	7 1/4
TSIN680	3	5	8 1/4
TSIN681	5	5	8 1/4
TSIN682	7	5	8 1/4
TSIN683	10	5	8 1/4
TSIN684	12	5	8 1/4



TSIN685-TSIN687

FRAZIER Suction Dissector

Catalog Number	Tip Size (FR)	Working Length (in.)
TSIN685	5	6 1/2
TSIN686	7	6 1/2
TSIN687	10	6 1/2



TSIN688-TSIN707

FRAZIER Slotted Suction Tube, Straight

Catalog Number	Tip Size (FR)	Length (in.)
TSIN688	3	5 1/2
TSIN689	4	5 1/2
TSIN690	5	5 1/2
TSIN691	6	5 1/2
TSIN692	7	5 1/2
TSIN693	8	5 1/2
TSIN694	9	5 1/2
TSIN695	10	5 1/2
TSIN696	11	5 1/2
TSIN697	12	5 1/2
TSIN698	3	7
TSIN699	4	7
TSIN700	5	7
TSIN701	6	7
TSIN702	7	7
TSIN703	8	7
TSIN704	9	7
TSIN705	10	7
TSIN706	11	7
TSIN707	12	7

FRAZIER Slotted Suction Tube, Angled

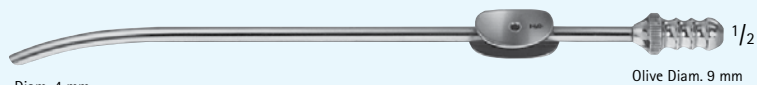
Catalog Number	Tip Size (FR)	Length (in.)
TSIN708	3	5 1/2
TSIN709	4	5 1/2
TSIN710	5	5 1/2
TSIN711	6	5 1/2
TSIN712	7	5 1/2
TSIN713	8	5 1/2
TSIN714	9	5 1/2
TSIN715	10	5 1/2
TSIN716	11	5 1/2
TSIN717	12	5 1/2
TSIN718	3	7
TSIN719	4	7
TSIN720	5	7
TSIN721	6	7
TSIN722	7	7
TSIN723	8	7
TSIN724	9	7
TSIN725	10	7
TSIN726	11	7
TSIN727	12	7

FERGUSON Suction Tube, Luer Hub

Catalog Number	Diameter (mm)	Working Length (in.)	Length (in.)
TSIN728	1.5	4 1/4	7 3/4
TSIN729	2.0	4 1/4	7 3/4
TSIN730	2.5	4 1/4	7 3/4
TSIN731	3.0	4 1/4	7 3/4
TSIN732	4.0	4 1/4	7 3/4
TSIN733	5.0	4 1/4	7 3/4
TSIN734	1.5	5 1/8	8 1/2
TSIN735	2.0	5 1/8	8 1/2
TSIN736	2.5	5 1/8	8 1/2
TSIN737	3.0	5 1/8	8 1/2
TSIN738	4.0	5 1/8	8 1/2
TSIN739	5.0	5 1/8	8 1/2
TSIN740	1.5	6 1/4	9 5/8
TSIN741	2.0	6 1/4	9 5/8
TSIN742	2.5	6 1/4	9 5/8
TSIN743	3.0	6 1/4	9 5/8
TSIN744	4.0	6 1/4	9 5/8
TSIN745	5.0	6 1/4	9 5/8
TSIN746	1.5	7 7/8	11
TSIN747	2.0	7 7/8	11
TSIN748	2.5	7 7/8	11
TSIN749	3.0	7 7/8	11
TSIN750	4.0	7 7/8	11
TSIN751	5.0	7 7/8	11

TSIN708-TSIN727

TSIN728-TSIN751



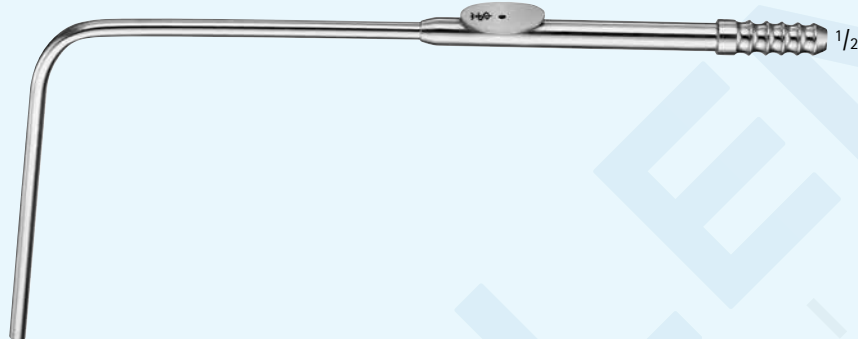
Diam. 4 mm

Olive Diam. 9 mm

TSIN752

ADSON Suction Tube

Catalog Number	Tip Size (mm)	Tip Size (FR)	Length (in.)
TSIN752	4	11	7 1/2



TSIN753-TSIN754

SACHS Suction Tube

Catalog Number	Tip Size (mm)	Length (in.)
TSIN753	SMALL	8 1/2
TSIN754	LARGE	8 1/2



TSIN755

CUSHING-CAIRNS Ventricular Cannula

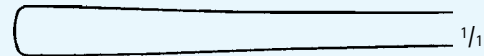
Catalog Number	Diameter (mm)	Working Length (in.)
TSIN755	2.3	3 3/4
TSIN756	2.6	3 3/4

CASPAR Muscle Dissector

Catalog Number	Tip	Width (mm)	Length (in.)
TSIN757	SHARP	6.2	7
TSIN758	BLUNT	6.2	7



TSIN757



TSIN757



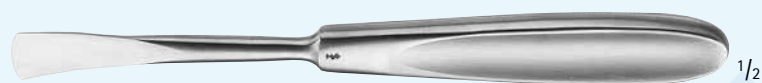
TSIN758



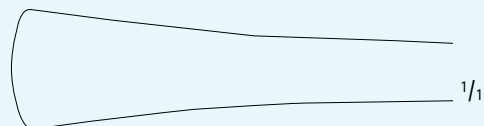
TSIN758

CUSHING Periosteal Elevator

Catalog Number	Tip	Width (mm)	Length (in.)
TSIN759	ROUND, SHARP	15	7 1/4
TSIN760	SQUARE, SHARP	15	7 1/4



TSIN759-TSIN760



TSIN759



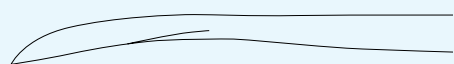
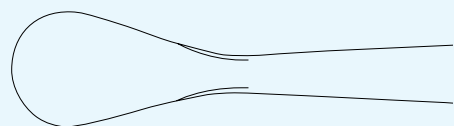
TSIN760

HOEN Periosteal Elevator

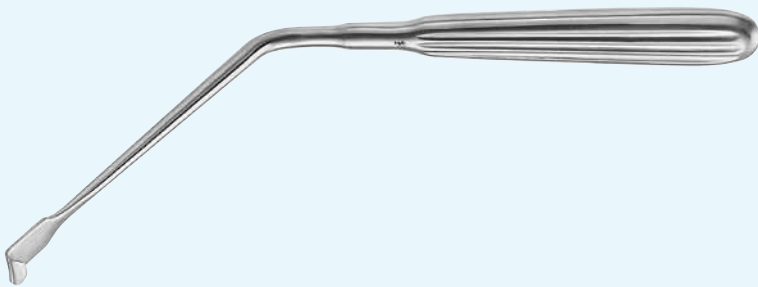
Catalog Number	Tip Size (mm)	Length (in.)
TSIN761	7.0	7 1/4
TSIN762	15.0	7 1/4
TSIN763	20.0	7 1/4



TSIN761-TSIN763



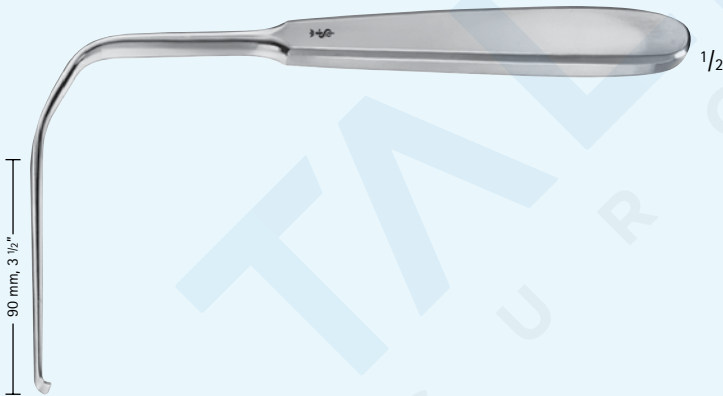
TSIN763



TSIN764-TSIN766

SCOVILLE Nerve Root Retractor

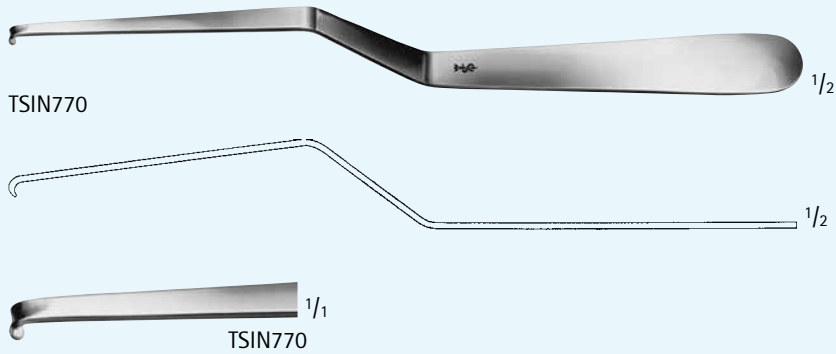
Catalog Number	Shape	Width (mm)	Working Length (in.)
TSIN764	45°	8.0	4
TSIN765	90°	8.0	4
TSIN766	STR	8.0	7 1/4



TSIN767-TSIN769

HESS Nerve Root Retractor

Catalog Number	Width (mm)	Working Length (in.)	Length (in.)
TSIN767	3.0	3 1/2	6 7/8
TSIN768	5.0	3 1/2	6 7/8
TSIN769	7.0	3 1/2	6 7/8



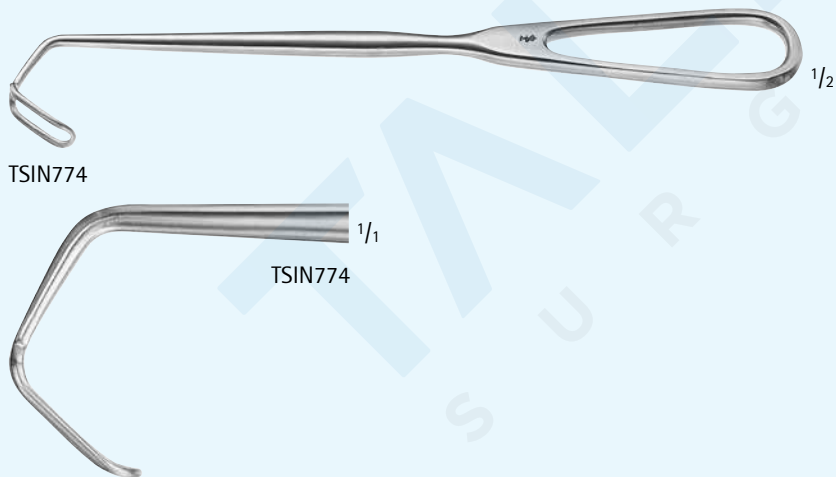
LOVE Nerve Root Retractor

Catalog Number	Length (in.)
TSIN770	8 1/4



LOVE Nerve Root Retractor

Catalog Number	Shape	Length (in.)
TSIN771	STR	8 3/4
TSIN772	45°	8 3/4
TSIN773	90°	8 3/4



CUSHING Decompression Retractor

Catalog Number	Tip	Length (in.)
TSIN774	ANG	8 1/4



SACHS Vein Retractor

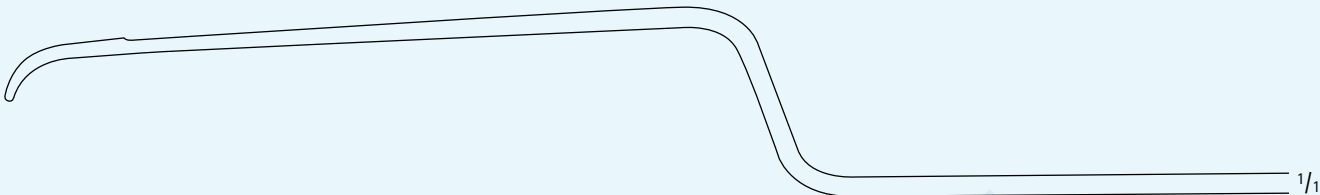
Catalog Number	Tip	Blade	Length (in.)
TSIN775	ANG	TOOTHED	8 1/2
TSIN776	ANG	PLAIN	8 1/2
TSIN777	ANG, SHARP	HOOK	8 1/2



TSIN778

D'ERRICO Nerve Root Retractor,
Bayonet-Shaped

Catalog Number	Length (in.)
TSIN778	9



TSIN778



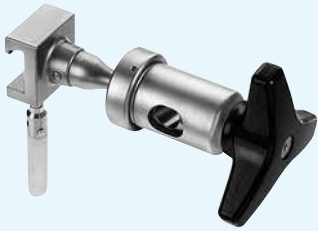
TSIN779-TSIN782

CASPAR Nerve Root Retractor

Catalog Number	Width (mm)	Length (in.)
TSIN779	4.0	9 1/2
TSIN780	6.0	9 1/2
TSIN781	8.0	9 1/2
TSIN782	10.0	9 1/2



TSIN779-TSIN782



TSIN783-TSIN784

Ball and Socket Joint, F/ Holding Rod
FF285R

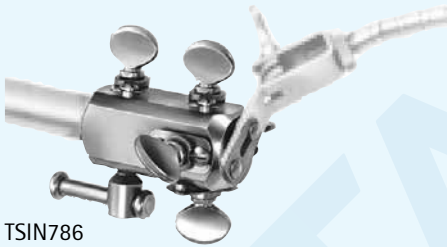
Catalog Number	Size (mm)
TSIN783	10 x 25
TSIN784	9 x 32



TSIN785

Holding Rod, F/ Ball and Socket Joint
FF280R

Catalog Number	Compatible w/
TSIN785	FF282R, FF283R or FF284R



TSIN786

Coupling Head, F/ Up to 5 Flexible
Arms FF270R

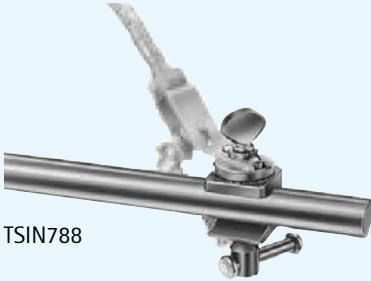
Catalog Number
TSIN786



TSIN787

Coupling Head, F/ Flexible Arm FF270R,
Rotatable

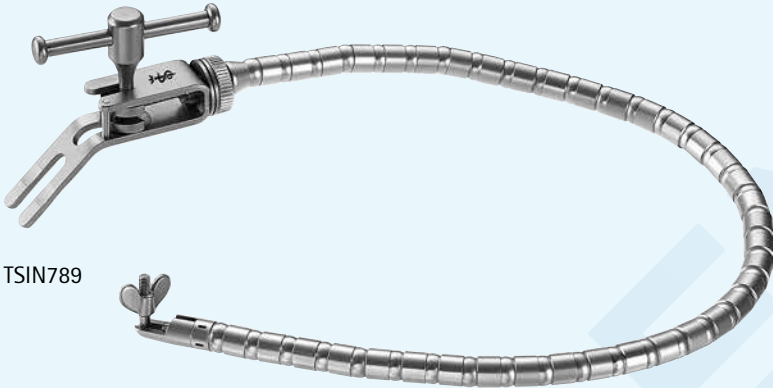
Catalog Number
TSIN787



TSIN788

Coupling Head, F/ Flexible Arm FF270R, Rotatable, Laterally Open

Catalog Number
TSIN788



TSIN789

YASARGIL Flexible Arm

Catalog Number	Description
TSIN789	COUPLING HEADS:TSIN790, TSIN791, TSIN792 FIXATION BASES: TSIN793, TSIN794, TSIN795



TSIN796 1/2

Support for Brain Spatula, F/ Flexible Arm TSIN789

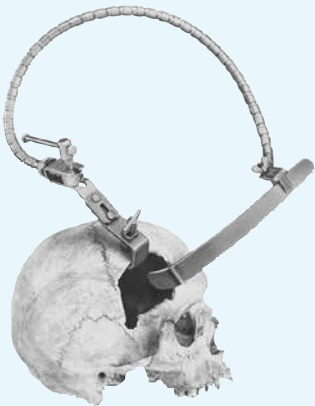
Catalog Number
TSIN796



TSIN797 1/2

Support for Brain Spatula, W/ Round Shaft, F/ Flexible Arm TSIN789

Catalog Number



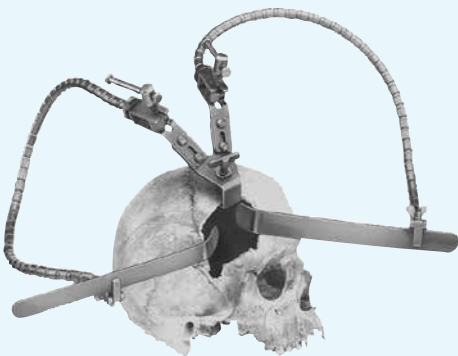
TSIN798

**YASARGIL Self-Retaining Retractor,
W/ 1 Flexible Arm**

Catalog Number
TSIN798

TSIN798 Includes:

- 1 Fixation base TSIN800,
- 1 Flexible arm TSIN789 and
- 1 Support for brain spatula TSIN796



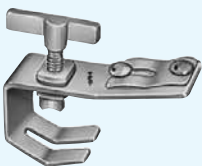
TSIN799

**YASARGIL Self-Retaining Retractor,
W/ 2 Flexible Arms TSIN798**

Catalog Number
TSIN799

FF262R Includes:

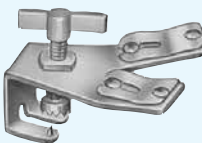
- 1 Fixation base TSIN801,
- 2 Flexible arms TSIN789 and
- 2 Supports for brain spatulas TSIN796



TSIN800

**Fixation Base, F/ Skull Mounting, Holds
1 Flexible Arm TSIN798**

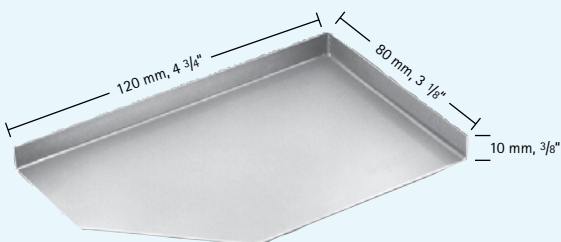
Catalog Number
TSIN800



TSIN801

**Fixation Base, F/ Skull Mounting, Hold
2 Flexible Arms FF270R**

Catalog Number
TSIN801



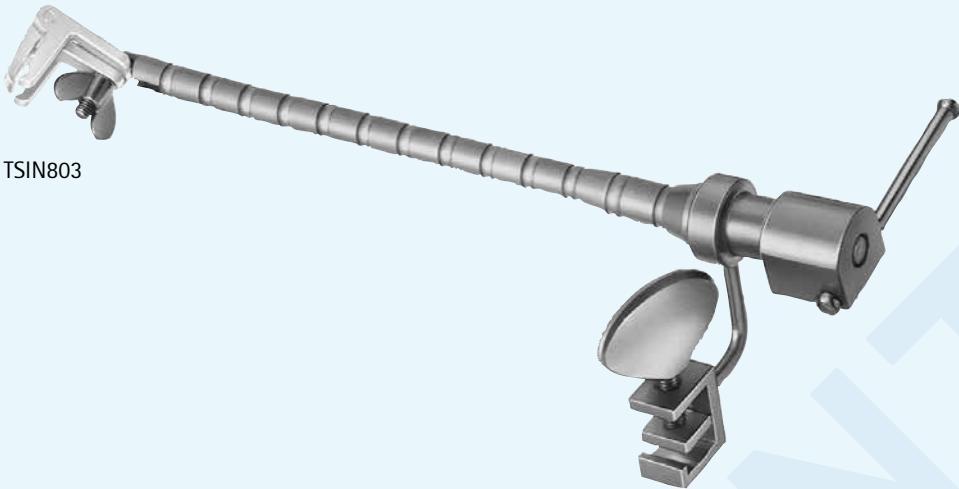
TSIN802

Utility Tray

Catalog Number	Compatible w/	Width (in.)	Length (in.)
TSIN802	FLEXIBLE ARMS TSIN789 AND TSIN796	3 1/8	4 3/4

NEW JERSEY Flexible Arm

Catalog Number
TSIN803



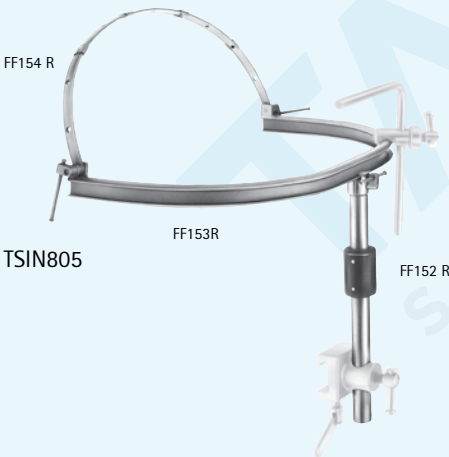
TSIN803



TSIN804

Table Attachment

Catalog Number	Compatible w/
TSIN804	FF150R



FF154 R

TSIN805

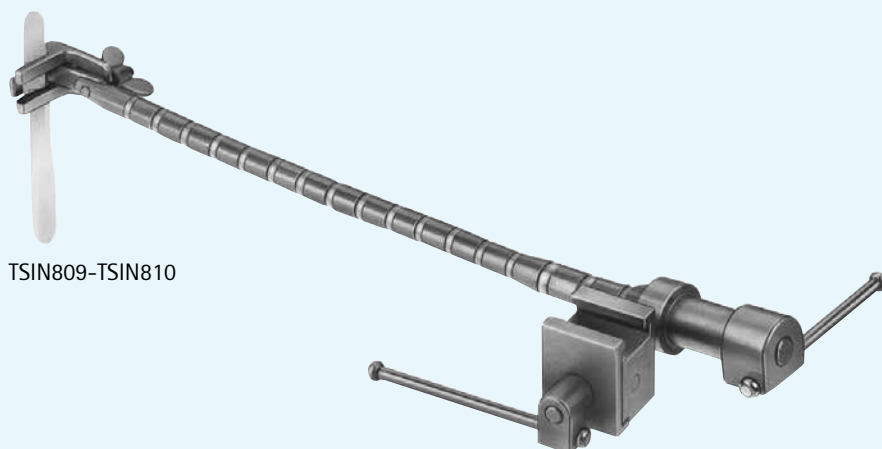
FF153R

FF152 R

GILSBACH Basic Unit

Catalog Number	Description
TSIN805	COMPLETE BASIC UNIT
TSIN806	GILSBACH INSULATING HOLDING ROD
TSIN807	GILSBACH SEMI-CIRCULAR BASIC BAR
TSIN808	FRAME FOR GALEA HOOK

TSIN805 Includes:
1 Insulated holding rod TSIN806
1 Semi-circular basic bar TSIN807
1 Frame TSIN808 for Galea hook



TSIN809-TSIN810

GILSBACH Flexible Arm

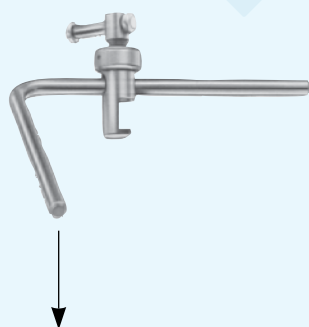
Catalog Number	Length (in.)
TSIN809	7 7/8
TSIN810	9 3/4



TSIN811

Forceps Holder

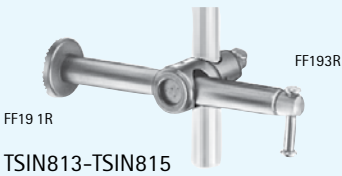
Catalog Number	Compatible w/
TSIN811	FF153R



TSIN812

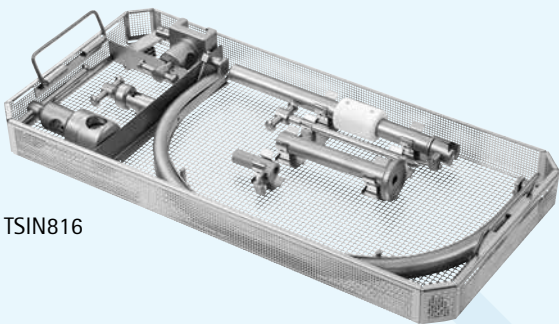
GILSBACH Handrest, Adjustable Height

Catalog Number	Compatible w/
TSIN812	FF153R

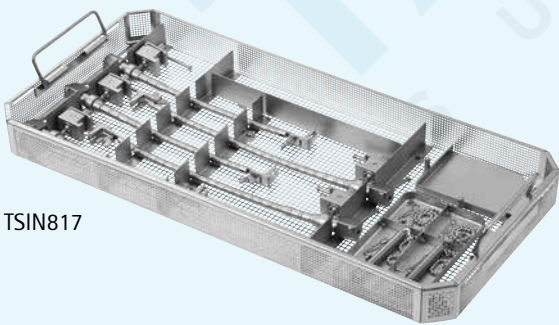


Catalog Number	Description
TSIN813	COMPLETE HOLDING DEVICE
TSIN814	HOLDING ROD TO BE FIXED TO MAYFIELD HEAD HOLDER
TSIN815	CONNECTION PIECE TO BE MOUNTED TO HOLDING ROD TSIN814

TSIN814 Connection Piece is compatible with TSIN806, TSIN814 and TSIN828 holding rods



Catalog Number	Dimensions (mm)
TSIN816	540 x 253 x 56



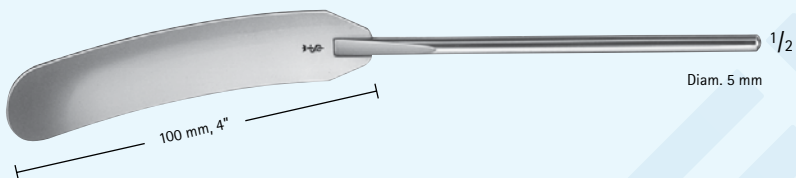
Catalog Number	Dimensions (mm)
TSIN817	540 x 254 x 50



TSIN818-TSIN822

Silicone Brain Spatula, Flat, Single Use

Catalog Number	Blade Size (mm)	Packaging	Length (in.)
TSIN818	6.0	BOX OF 10	7 7/8
TSIN819	7.5	BOX OF 10	7 7/8
TSIN820	10.0	BOX OF 10	7 7/8
TSIN821	12.5	BOX OF 10	7 7/8
TSIN822	15.0	BOX OF 10	7 7/8



TSIN823-TSIN825

Malleable Brain Spatula W/ Round Shaft for TSIN797

Catalog Number	Working Length (in.)	Blade Size (mm)	Diameter (mm)	Length (in.)
TSIN823	4	14	5.0	7 7/8
TSIN824	4	17	5.0	7 7/8
TSIN825	4	20	5.0	7 7/8



TSIN826-TSIN829

HEIFETZ Malleable Brain Spatula W/ Round Shaft for TSIN797

Catalog Number	Working Length (in.)	Blade Size (mm)	Diameter (mm)	Length (in.)
TSIN826	4	8	3.5	6 1/8
TSIN827	4	11	3.5	6 1/8
TSIN828	4	14	3.5	6 1/8
TSIN829	4	17	3.5	6 1/8



TSIN830-TSIN835

**AACHEN (MARTIN) Brain Spatula,
Malleable**

Catalog Number	Blade Size (mm)	Length (in.)
TSIN830	7 x 8	7 7/8
TSIN831	10 x 11	7 7/8
TSIN832	13 x 14	7 7/8
TSIN833	16 x 17	7 7/8
TSIN834	19 x 20	7 7/8
TSIN835	22 x 25	7 7/8



TSIN836-TSIN838

Brain Spatula, Flat, Malleable

Catalog Number	Blade Size (mm)	Length (in.)
TSIN836	9	7 7/8
TSIN837	12	7 7/8
TSIN838	12	9 3/4



TSIN839-FF214R

Brain Spatula, Flat, Malleable

Catalog Number	Blade Size (mm)	Length (in.)
TSIN839	7 x 9	7
TSIN840	11 x 13	7
TSIN841	15 x 18	7
TSIN842	18 x 22	7



TSIN843-TSIN844

**OLIVECRONA Brain Spatula, Flat,
Malleable**

Catalog Number	Blade Size (mm)	Length (in.)
TSIN843	7 x 9	7
TSIN844	11 x 13	7



TSIN845-TSIN850

DAVIS Brain Spatula, Flat, Malleable

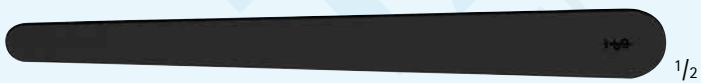
Catalog Number	Blade Size (mm)
TSIN845	6.0
TSIN846	9.0
TSIN847	13.0
TSIN848	16.0
TSIN849	19.0
TSIN850	25.0



TSIN851-TSIN858

Silicone Coated Brain Spatula, Post

Catalog Number	Blade Size (mm)	Length (in.)
TSIN851	6.0	5 3/4
TSIN852	8.0	5 3/4
TSIN853	10.0	5 3/4
TSIN854	11.0	5 3/4
TSIN855	14.0	5 3/4
TSIN856	15.0	5 3/4
TSIN857	20.0	5 3/4
TSIN858	25.0	5 3/4



TSIN859-TSIN862

Silicone Coated Brain Spatula

Catalog Number	Blade Size (mm)	Length (in.)
TSIN859	10 x 6	6 3/4
TSIN860	15 x 8	6 3/4
TSIN861	20 x 11	6 3/4
TSIN862	25 x 14	6 3/4



Sialkot, Pakistan Office

Contact Person: Hasham khalid



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