

*Miltex*  
Redefining Excellence



**OPHTHALMIC INSTRUMENTS**



## MILTEX® OPHTHALMIC INSTRUMENTS

The MILTEX® name is synonymous with unparalleled quality and service to our customers and surgical instrumentation produced with the utmost attention to consistent detail.

The MILTEX® Ophthalmology product line includes both premium-grade German and American crafted stainless steel surgical instrumentation manufactured to exacting specifications. The surgical “feel” of our instruments, the outstanding cutting ability and the attention to delicate detail are just a few of the aspects that allow our products to outperform and stand out from the competition.

This catalog presents our comprehensive offering of instruments necessary to support the innovative surgical techniques and advances in the field of Ophthalmology. In addition to our Ophthalmic offering, Miltex provides instruments to meet a variety of clinical needs for other specialties including: Plastic Surgery, Dermatology, Otolaryngology, Microsurgery, Gynecology, General Surgery as well as several other markets.

### *General Information:*

*Photographs in this catalog are close to actual size except where otherwise noted. Many illustrations are enlarged to show detail.*

*Surgical instruments shown in this catalog are made of high quality surgical grade stainless steel, unless otherwise noted.*

*Illustrations and content provide general description only and may be subject to change.*

*Some products in this catalog may not be available for sale in the European Union.*

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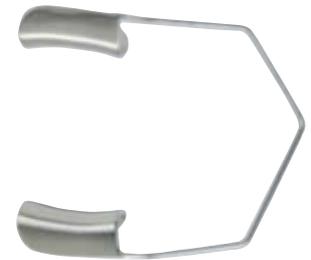
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# SPECULA

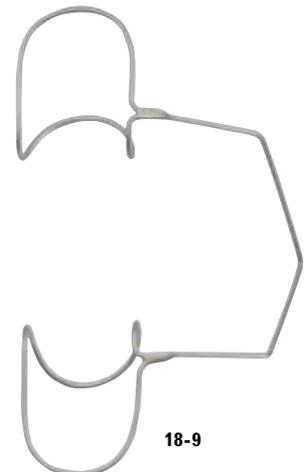


**BARRAQUER Wire Speculum****18-35** 1-3/4" (4.4 cm), large blades 14 mm**18-36** 1-1/4" (3.2 cm), small blades 10 mm**18-35****18-36****BARRAQUER Wire Speculum, Solid Blades****18-17** 1-1/3" (3.3 cm), small blades 10 mm**18-18** 1-1/2" (3.8 cm), large blades 15 mm**18-17****18-18****KRATZ-BARRAQUER Wire Speculum**

One solid and one open wire 15 mm blades

**18-7** 1-1/2" (3.8 cm), for left eye**18-8** 1-1/2" (3.8 cm), for right eye**18-7****18-8****KRATZ-BARRAQUER Wire Speculum, with Wings**

Designed to retract lids up and away from the globe to help minimize external pressure.

**18-9** 1-1/2" (3.8 cm), 15 mm blades**18-9**

NOTE: All above instruments are Non-Magnetic

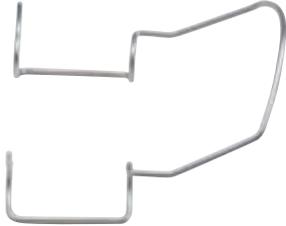
**Temporal Approach Wire Speculum**

with spring on nasal side

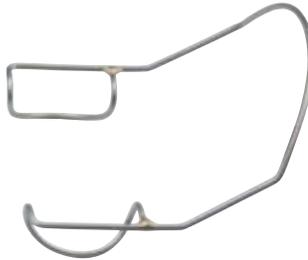
**18-44** 1-1/2" (3.8 cm), open wire, 15 mm blades

**18-45** 1-1/2" (3.8 cm), closed wire, 15 mm blades

**18-46** 1-1/2" (3.8 cm), solid blades, 15 mm blades



**18-44**



**18-45**

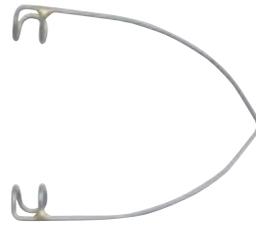


**18-46**

**Infant Lid Speculum**

closed wire blades with gently curved springs

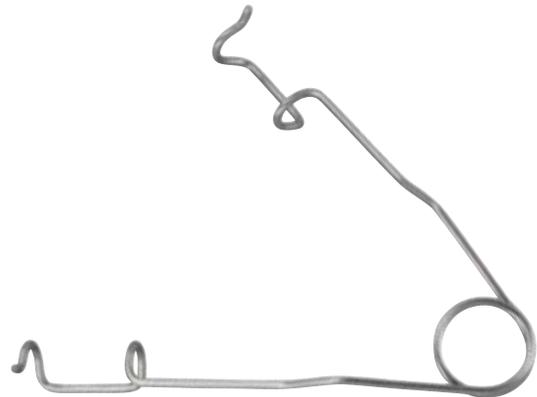
**18-595** 1-1/3" (3.3 cm), 4 mm blades



**18-595**

**Plain Wire Eye Speculum**

**18-34** 2-1/2" (6.4 cm), 15 mm blades



**18-34**

**FEASTER Wire Speculum, Extra Large Solid Blades**

**18-40** 1-1/2" (3.8 cm), 20 mm blades



**18-40**

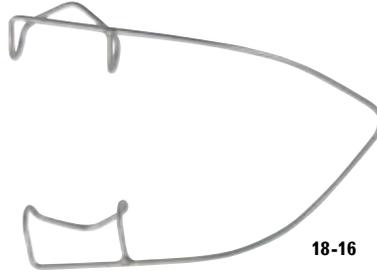
NOTE: All above instruments are Non-Magnetic

**McINTYRE Wire Speculum, V-Shaped Blades**

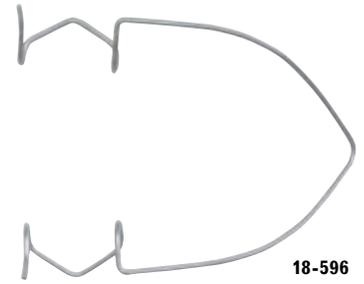
Blade shape helps to position and hold surgical drape under the eyelids.

**18-16** 2" (5.1 cm), closed wire, 13 mm blades

**18-596** 2" (5.1 cm), open wire, 13 mm blades



18-16



18-596

**SAUER Eye Speculum, Solid Blades**

**18-47** 1-1/4" (3.2 cm), for infants, 10 mm blades

**18-3** 1" (2.5 cm), for premature infants, 2 mm blades



18-47



18-3

**MURDOCK Eye Speculum, Closed Wire Blades**

**18-50** 2-1/4" (5.7 cm), 15 mm blades



18-50

**COOK Eye Speculum, Solid Blades**

with bottom locking screw

**18-63** 1-7/8" (4.7 cm), infant size, 9 mm blades

**18-64** 1-7/8" (4.7 cm), child size, 11 mm blades



18-63



18-64

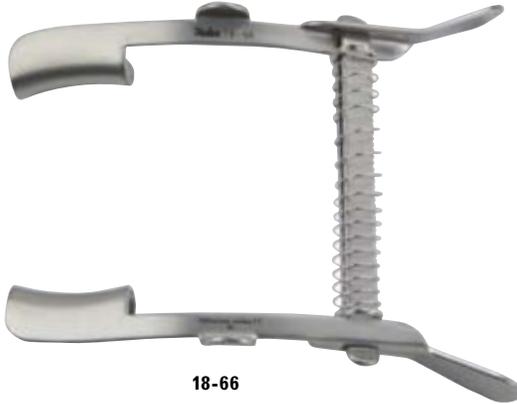
NOTE: All above instruments are Non-Magnetic

**MELLINGER Eye Speculum, Self Retaining**

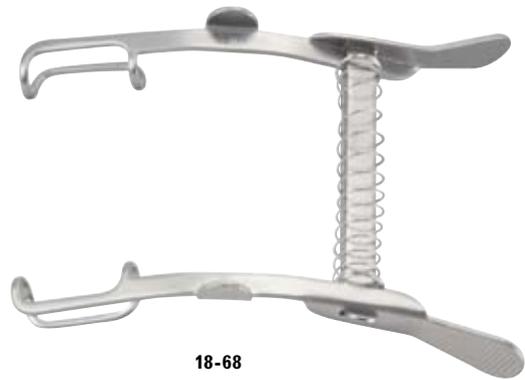
for optimized access with Phaco or I/A tip to the cataract incision.

**18-66** 2-3/4" (7 cm), solid 15 mm blades

**18-68** 2-3/4" (7 cm), fenestrated 15 mm blades



18-66



18-68

**LANCASTER Eye Speculum, Solid Blades**

with adjustable locking mechanism

**18-2** 3-1/4" (8.3 cm), 15 x 5 mm blades



18-2

**KNAPP Eye Speculum**

with adjustable locking mechanism

**18-4** 3-1/4" (8.3 cm), 15 x 6 mm blades



18-4

**CASTROVIEJO Eye Speculum**

with adjustable locking mechanism

**18-10** 4" (10.2 cm), large, 18 x 5 mm blades



18-10

NOTE: All above instruments are Non-Magnetic

**CASTROVIEJO Eye Speculum**

with adjustable locking mechanism

**18-12** 3-3/4" (9.5 cm), medium, 15 x 5 mm blades**18-12****WILLIAMS Eye Speculum**

with adjustable locking mechanism

**18-22** 3-1/4" (8.3 cm), large, 15 x 5 mm blades**18-22****WILLIAMS Eye Speculum**

with adjustable locking mechanism

**18-24** 2-3/4" (7 cm), small, 11 x 5 mm blades**18-24****LIEBERMAN Eye Speculum, Solid Blades**

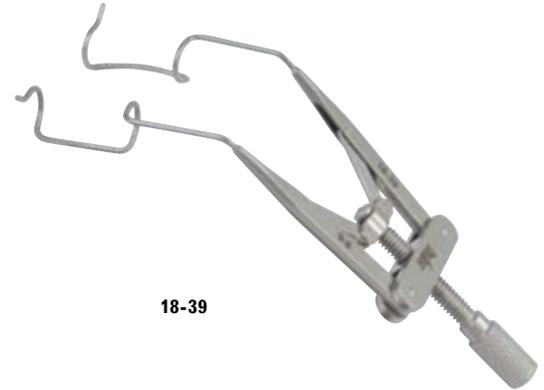
with adjustable locking mechanism

**18-37** 2-3/4" (7 cm), pediatric, infant & small children, 10 mm blades**18-38** 2-3/4" (7 cm), standard size, 15 mm blades**18-37****18-38**

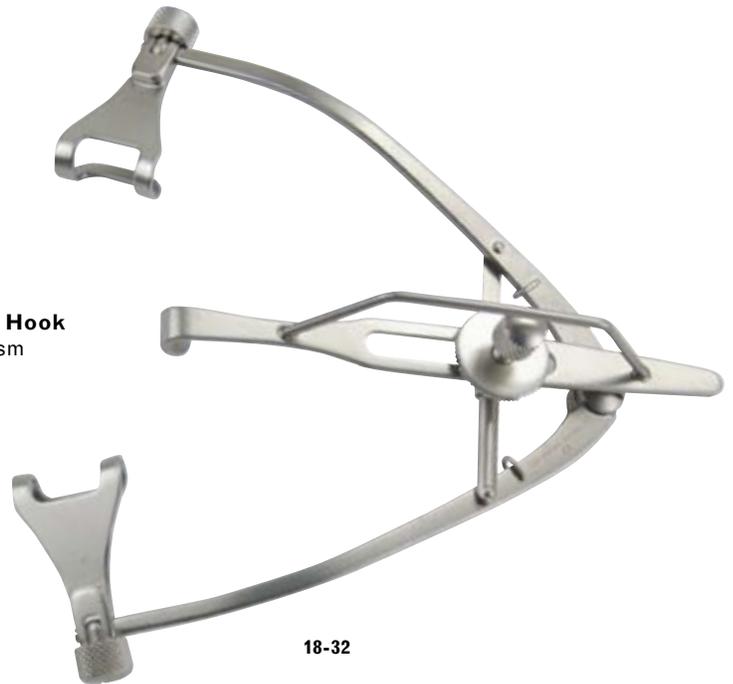
NOTE: All above instruments are Non-Magnetic

**LIEBERMAN Eye Speculum, Kratz Style Open Wire Blades**

with adjustable locking mechanism

**18-39** 2-3/4" (7 cm), 15 mm blades**18-39****GUYTON-PARK Eye Speculum, with Suture Posts & Canthus Hook**

vertical and horizontal positioning with adjustable locking mechanism

**18-32** 3-1/2" (8.9 cm), fenestrated 14 mm blades**18-32****MAUMENEE-PARK Eye Speculum, with Canthus Hook**

vertical and horizontal positioning with adjustable locking mechanism

**18-33** 3-1/4" (8.3 cm), solid 14 mm blades**18-33**

NOTE: All above instruments are Non-Magnetic

# RETRACTORS

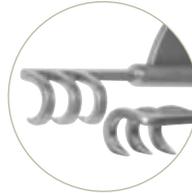
SELF RETAINING  
FINGER HELD



**AGRICOLA Lacrimal Sac Retractor**

with adjustable locking mechanism

**18-80** 1-1/2" (3.8 cm), 3 x 3 sharp prongs, 4 mm deep



**18-80**

**MELLER Lacrimal Sac Retractor**

with adjustable locking mechanism

**18-84** 2-7/8" (7.3 cm), 3 x 3 sharp prongs, 3 mm deep



**18-84**

**GOLDSTEIN Lacrimal Sac Retractor**

with adjustable locking mechanism

**18-88** 1-1/8" (2.8 cm), 3 x 3 sharp prongs, 5 mm deep



**18-88**

**STEVENSON Lacrimal Sac Retractor**

with adjustable locking mechanism

**18-96** 3-1/4" (8.3 cm), 3 x 3 sharp prongs, 3 mm deep



**18-96**

NOTE: All above instruments are Non-Magnetic

**DESMARRES Lid Retractor**

5-1/2" (14 cm)

- PM-4315\*** size 0, 10 mm
- 18-110** size 1, 12 mm
- 18-112** size 2, 14 mm
- 18-114** size 3, 16 mm
- 18-116** size 4, 18 mm



18-110



PM-4315

18-110

18-112

18-114

18-116

**DESMARRES Lid Retractor, Insulated**

5-1/2" (14 cm)

- PM-4315IN\*** size 0, 10 mm
- PM-4316IN\*** size 1, 12 mm
- PM-4317IN\*** size 2, 14 mm



PM-4315IN



PM-4315IN

PM-4316IN

PM-4317IN



PM-4320

**KAWAMOTO Double Ended Retractor, Insulated**

6" (15.2 cm)

- PM-4320\*** 14 mm & 16 mm
- PM-4326\*** 8 mm & 10 mm
- PM-4347\*** 5 mm & 10 mm



PM-4326

PM-4347

**KASDAN Retractor, Double Ended**

6-1/4" (15.9 cm)

- PM-760\*** 13 x 6.5 mm & 19 x 9.5 mm working ends



PM-760

**ZAREM-BAYLIS Eyelid Retractor**

clear autoclavable plastic

**PM-4329\*** 5-1/4" (13.3 cm), 13 mm wide



**PM-4329**

**CLODIUS Orbital Retractor, Double Ended**

often called a "Z-type Retractor"

**PM-652\*** 6-1/4" (15.9 cm), 13 mm & 20 mm wide ends



**PM-652**

**JAEGER Lid Plate**

**18-120** 4-1/4" (10.8 cm), blades 20 mm & 23 mm

**PM-5020\*** 4-1/4" (10.8 cm), blades 21 mm & 24 mm (not shown)



**18-120**

**FOMON Ball End Retractors, with blunt ball ends**

**PM-5430\*** 6-1/4" (15.9 cm), single prong, with blunt ball end

**PM-5435\*** 6-1/4" (15.9 cm), double prong 11 mm wide

**PM-5381\*** 6-1/4" (15.9 cm), double prong 13 mm wide, round knurled handle



1/1



**PM-5430**



**PM-5435**



**PM-5381**



11-30

**Flexible Neck Rake & Lacrimal Sac Retractor**

6" (15.2 cm)

- 11-30 1 sharp prong
- 11-32 2 sharp prongs, 5 mm wide
- 11-34 3 sharp prongs, 8 mm wide
- 11-36 1 blunt prong
- 11-38 2 blunt prongs, 5 mm wide
- 11-40 3 blunt prongs, 8 mm wide



11-30



11-36



11-32



11-38



11-34



11-40

**KNAPP Lacrimal Sac Retractor, Flexible Neck**

11D-27 5" (12.7 cm), 3 sharp prongs



11D-27

**KNAPP (ROLLET) Retractor**

18-100 5-1/4" (13.3 cm), 4 sharp prongs

18-102 5-1/4" (13.3 cm), 4 blunt prongs



18-100



18-102

**SCHEPENS Orbital Retractor**

18-250 6-1/8" (15.6 cm), slightly curved



18-250

**McGANNON Retractor, fenestrated blade**  
**18-439** 5" (12.7 cm), 2.5 mm wide



18-439

**ADAMSON Double Ended Hook & Retractor**  
**PM-9056\*** 6-1/4" (15.9 cm), 7.5 x 5 mm retractor, 3 mm hook



PM-9056

**WRIGHT Fascia Needle**  
 2 mm wide tip, 1 x 6 mm oval eye  
**18-569** 5-1/2" (14 cm)



18-569

**Smith Corneal Protection Shields**  
**PM-4311\*** autoclavable, green, 21 mm diameter  
**PM-4312\*** non-autoclavable, white, 21 mm diameter (not shown)



PM-4311  
 PM-4312

**Laser Eye Shields**  
 non-glare, autoclavable  
**PM-5010\*** Laser Eye Shield only, 1" (25 mm) diameter  
**PM-5012\*** Laser Eye Shield Kit: 2 Shields PM-5010, 1 Suction Handle PM-5015  
**PM-5015\*** Spare Suction Handle for Laser Eye Shield fits PM-5010 & PM-5012



PM-5010

PM-5015

KNIVES  
&  
FOREIGN BODY INSTRUMENTS



**VON GRAEFE Cataract Knife**

- 18-140** 4-3/4" (12.1 cm), No. 1, 1.5 x 25 mm
- 18-142** 4-3/4" (12.1 cm), No. 2, 1.7 x 27 mm
- 18-144** 4-3/4" (12.1 cm), No. 3, 2 x 30 mm
- 18-146** 5" (12.7 cm), No. 4, 2.3 x 33 mm
- 18-148** 5" (12.7 cm), No. 5, 2.5 x 35 mm



**18-140**



**18-142**



**18-144**



**18-146**



**18-148**

**KNAPP Cataract Knife**

- 18-154** 4-1/2" (11.4 cm), 1 x 20 mm



**18-154**

**WHEELER Dissection Knife**

- 18-152** 4-1/2" (11.4 cm), 1 x 18 mm



**18-152**

**ZIEGLER Knife-Needle**

- 18-259** 4-1/4" (10.8 cm), size 0, 3 mm blade
- 18-260** 4-1/4" (10.8 cm), size 1, 5 mm blade
- 18-262** 4-1/2" (11.4 cm), size 2, 6 mm blade
- 18-264** 4-1/2" (11.4 cm), size 3, 7 mm blade



**18-259**



**18-260**



**18-262**



**18-264**

**KNAPP Knife-Needle**

- 18-270** 4-1/2" (11.4 cm), 5 mm blade



**18-270**

**DEAN Knife-Needle****18-292** 5" (12.7 cm), curved blade 1 x 7 mm**18-292****BOWMAN Needle with Stop****18-308** 4-3/4" (12.1 cm), straight blade 3 mm**18-308****GILL Corneal Knife**

slightly curved cutting edge

**18-330** 4-3/4" (12.1 cm), 3.5 mm wide blade**18-330****TOOKE Corneal Knife****18-350** 4-1/2" (11.4 cm), 2.5 x 15 mm dissecting blade**18-350****DESMARRES Corneal Dissector****18-331** 4-3/4" (12.1 cm), 3 x 8 mm blade**18-331**

**WALTER Corneal Spud**

4-5/8" (11.8 cm)

**18-302** straight blade 4 mm

**18-304** curved blade 4 mm



**18-302**



**18-304**

**VON GRAEFE (BECKER) Cystotome**

malleable shaft, right angle blade

**18-314** 4-3/4" (12.1 cm), 1 mm blade



**18-314**

**WILDER Cystotome**

angled blade

**18-320** 4-3/4" (12.1 cm), 3 mm edge



**18-320**

**BARKAN Goniotomy Knife**

**18-344** 4-1/2" (11.4 cm), 2.5 mm blade



**18-344**

**DAVIS Foreign Body Spud**

**18-372** 4-3/4" (12.1 cm), 0.8 mm blade



**18-372**

**DIX Foreign Body Spud**

**18-374** 4-3/4" (12.1 cm), 1.7 x 15 mm blade



**18-374**

**ELLIS Foreign Body Spud**

**18-380** 4-1/2" (11.4 cm), 1.2 mm blade, curved



**18-380**

**ALVIS Foreign Body Spud**

oval curette

**18-384** 4-3/4" (12.1 cm), 1 x 3 mm with fine point



**18-384**

**HOSFORD Foreign Body Spud**

Gouge Blade 1 x 7 mm rounded tip, 4-1/2" (11.4 cm)

**18-388** angled to right

**18-390** angled to left



**18-388**



**18-390**

**Golf Club Foreign Body Spud**

angled and lightly rounded tip

**18-301** 4-1/2" (11.4 cm)



**18-301**

**DIX Foreign Body Needle & Spud**

protected in sliding handle

**18-400** 3-3/4" (9.5 cm) closed length



**18-400**

**DIX Foreign Body Needle & Spud**

protected in reversible screw handle

**18-402** 4-1/2" (11.4 cm) closed length



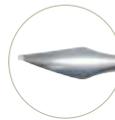
**18-402**



**DIX Foreign Body Needle**

replacement, fits 18-402 screw handle

**18-402A**



**18-402A**

**DIX Foreign Body Spud**

replacement, fits 18-402 screw handle

**18-402B**



**18-402B**

**DIX Foreign Body Needle & Gouge**

protected in reversible screw handle

**18-404** 4-1/2" (11.4 cm) closed length



**18-404**



**Foreign Body Needle**

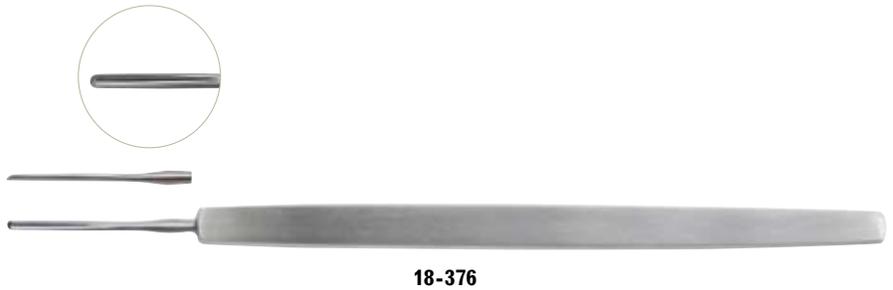
**18-370** 4-3/4" (12.1 cm), 2 x 5 mm blade



**18-370**

**WALTON Foreign Body Gouge**

**18-376** 4-1/2" (11.4 cm), grooved, rounded end



**18-376**

**Eye Magnet & Foreign Body Loop**

magnet probe and plastic wire loop working ends are reversible to fit inside the pencil-shaped handle; provided with protective carrying case

**18-398** 4" (10.2 cm) closed length



**18-398**

**Eye Magnet & Foreign Body Loop**

with adjustable magnifier attached, magnet probe and loop working ends are reversible and fit inside the plastic handle; provided with protective carrying case

**18-398M** 5" (12.7 cm) closed length



**18-398M**

**MILTEX® Eye Magnet**

a powerful magnetic cylinder with round and pointed interchangeable tips; provided in a velvet lined steel carrying case

**18-399** 3-1/4" (8.4 cm) magnet length



**18-399**

# CURETTES & SPATULAS



**MEYERHOEFER Chalazion Curette**

round cup, 5" (12.7 cm)

**18-498** size 00, 1.0 mm

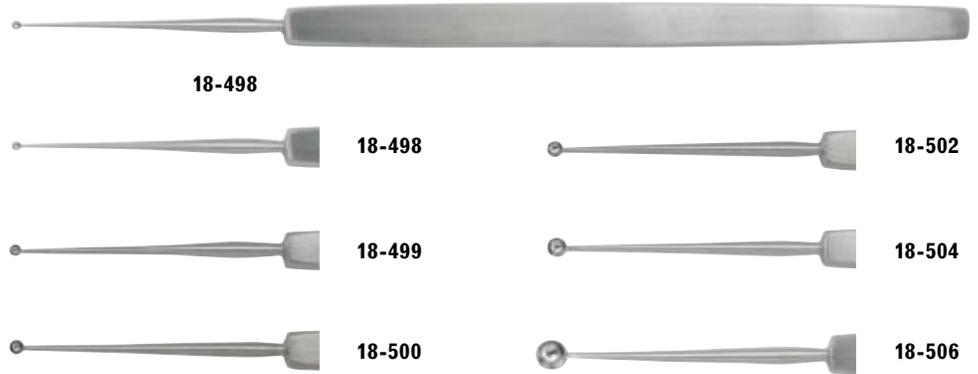
**18-499** size 0, 1.5 mm

**18-500** size 1, 1.7 mm

**18-502** size 2, 2.0 mm

**18-504** size 3, 2.5 mm

**18-506** size 4, 3.5 mm



**HEBRA Chalazion Curette**

oval cup, 5" (12.7 cm)

**18-510** 1.0 x 1.7 mm

**18-512** 2.0 x 3.3 mm

**18-514** 2.5 x 4.0 mm



**SKEELE Chalazion Curette**

round cup, serrated edge, 5" (12.7 cm)

**18-520** 1.0 mm

**18-522** 2.0 mm

**18-524** 2.5 mm



**HEATH Chalazion Curette**

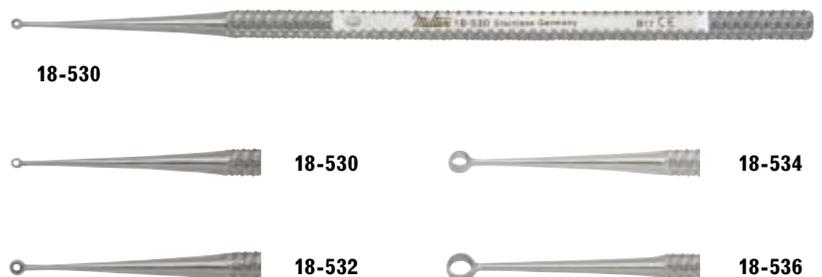
one sharp and one blunt edge, 4" (10.2 cm)

**18-530** size 0, 0.5 mm

**18-532** size 1, 1.0 mm

**18-534** size 2, 2.0 mm

**18-536** size 3, 3.0 mm



**CASTROVIEJO Spatula**

double ended, sterling, 3.5 mm wide angled and 2 mm wide slightly curved  
**18-564** 5-1/2" (14 cm)

**18-564****GREEN Spatula**

double ended, 4 x 14 mm, and 5 x 16 mm curved working ends  
**18-570** 6" (15.2 cm)

**18-570****SMITH-FISHER Iris Spatula**

double ended, sterling, one flat end 2 mm wide, one spoon end 2 mm, curved working ends  
**18-566** 5" (12.7 cm)

**18-566****WECKER Iris Spatula**

sterling blade 2 x 30 mm  
**18-584** 5" (12.7 cm)

**18-584****FISHER Spoon & Needle**

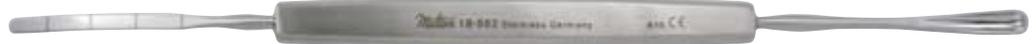
curved spoon end 7 x 15 mm, needle 33 mm long  
**18-568** 5-1/2" (14 cm)

**18-568**

**LINDNER Cyclodialysis Spoon & Spatula**

double ended, curved, malleable spatula  
end is graduated in 6 mm increments

**18-562** 5-1/2" (14 cm)



**18-562**

**CASTROVIEJO Cyclodialysis Spatula**

double ended, 5-1/4" (13.3 cm)

**18-573A** blades 10 mm & 15 mm, 0.75 mm wide

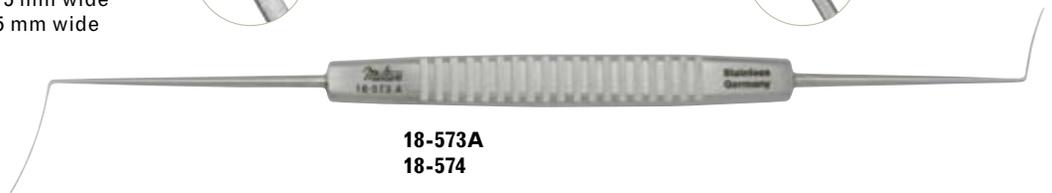
**18-574** blades 10 mm & 15 mm, 0.5 mm wide



**18-573A**



**18-574**



**18-573A**

**18-574**

**CASTROVIEJO Cyclodialysis Spatula**

blade 1 x 10 mm

**18-576** 5-1/4" (13.3 cm)



**18-576**

**KRITZINGER-UPDEGRAFF LASIK Flap Elevator & Manipulator**

for LASIK Flap; elevator cuts the epithelium and manipulator lifts flap during LASIK procedure

**18-2028** 5" (12.7 cm)



**18-2028**

**SLADE LASIK Retreatment Spatula**

for lifting the flap and separating the epithelium  
4-3/4" (12.1 cm), with semi-sharp edges

**18-593** 1.0 mm wide tip, smooth

**18-594** 1.3 mm wide tip, with serrations



**18-593**



**18-594**



**18-593**

**18-594**

**MACHAT LASIK Retreatment Spatula**

angulated tip helps to separate and break epithelial bond, spatula aids lifting flap and separating epithelium

**18-597** 5" (12.7 cm)



**HERZIG LASIK Elevator & Retreatment Spatula**

**18-592** 5" (12.7 cm)



**JAFFE Lens Spatula**

flat, 0.5 mm wide

**18-586** 4-3/4" (12.1 cm)



**HIRSCHMAN Lens Spatula**

flat, 0.5 mm wide with multiple notches

**18-585** 4-3/4" (12.1 cm)



**OBSTBAUM Synechiae Spatula**

0.25 mm wide with semi-sharp tip

**18-590** 5" (12.7 cm)



**GIRARD Synechiaie Spatula**  
0.5 mm wide with semi-sharp tip  
**18-591** 4-1/2" (11.4cm)



**18-591**

**KOCH Nucleus Spatula**  
gently curved duckbill shaped tip, smooth  
**18-587** 4-1/2" (11.4 cm)



**18-587**

**LIPPMAN Nucleus Spatula**  
0.5 mm diameter round shaft with blunt forked tip  
**18-588** 4-1/2" (11.4 cm)



**18-588**

**NAGAHARA Nucleus Spatula**  
flat inferior edge  
**18-589** 4-1/2" (11.4 cm)



**18-589**

NUCLEUS INSTRUMENTS  
&  
IOL MANIPULATORS



**ROSEN Phaco Splitter**

wedge shaped inferior edge with blunt tip

**18-2014** 4-1/2" (11.4 cm)



**18-2014**

**ROSEN Phaco Splitter**

60° angled wedge shaped inferior edge with blunt tip

**18-2015** 4-1/2" (11.4 cm)

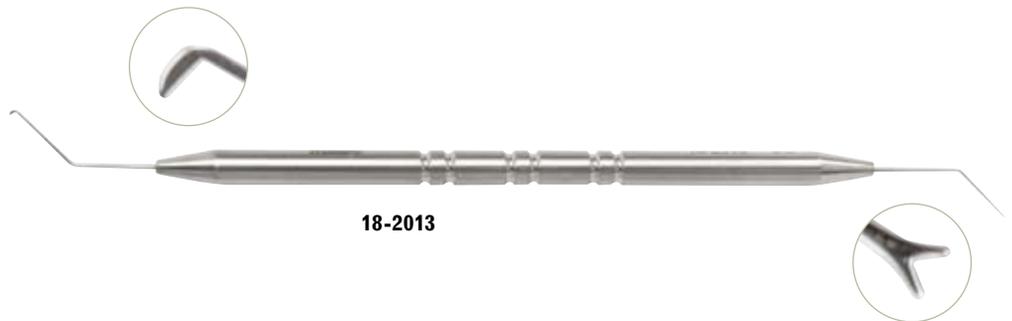


**18-2015**

**ROWEN Phaco Splitter Combo**

Rosen Phaco Splitter with wedge shaped inferior edge and blunt tip, Bechert Nucleus Rotator with blunt forked tip angled at 7 mm

**18-2013** 5" (12.7 cm)



**18-2013**

**KOCH Phaco Manipulator & Splitter**

thin and smooth spatula to push, rotate, lift and split nucleus

**18-2029** 4-1/2" (11.4 cm), 0.8 mm tip



**18-2029**

**NAGAHARA Phaco Chopper**

60° 1.5 mm cutting edge

**18-2018** 4-1/2" (11.4 cm)



**18-2018**

**NAGAHARA Phaco Chopper**

90° 1.5 mm cutting edge

**18-2019** 4-1/2" (11.4 cm)



**18-2019**

**CHANG DUO Quick Chopper, Left**

**18-2017** 5-1/2" (14 cm)



**18-2017**

**BECHERT Nucleus Rotator**

blunt forked tip angled at 7 mm

**18-2007** 4-1/2" (11.4 cm)



**18-2007**

**JAFFE-BECHERT Nucleus Rotator**

blunt forked tip angled at 9 mm

**18-2008** 4-1/2" (11.4 cm)



**18-2008**

**CLAYMAN Nucleus Rotator**

0.5 mm wide flat spatula with V-notched tip

**18-2009** 4-3/4" (12.1 cm)



**18-2009**

**PISACANO Nucleus Rotator**  
flat disc shaped tip, horizontal  
**18-2010** 4-1/2" (11.4 cm)



**PISACANO Nucleus Rotator**  
flat disc shaped tip, vertical  
**18-2011** 4-1/2" (11.4 cm)



**TENNANT Nucleus Rotator**  
0.6 mm diameter ball tip, angled  
**18-2012** 4-3/4" (12.1 cm)



**ANIS Ball Tip Nucleus Manipulator**  
0.5 mm diameter ball tip, straight  
**18-2021** 4-1/2" (11.4 cm)



**ANIS Ball Tip Nucleus Manipulator**  
0.5 mm diameter ball tip, angled  
**18-2022** 4-1/2" (11.4 cm)



**DRYSDALE Nucleus Manipulator**  
 paddle shaped tip  
**18-2023** 4-1/2" (11.4 cm)



**18-2023**

**SIEPSER Endocapsular Controller**  
 trumpet shaped tip  
**18-2020** 4-1/2" (11.4 cm)



**18-2020**

**KANSAS Nucleus Bisector**  
 for manual surgery with small incision to  
 divide nucleus into 2 pieces  
**18-2003** 4-1/2" (11.4 cm)



**18-2003**

Contact Miltex® Customer Service at 866-854-8300  
 for more information and trial samples of our  
 Miltex® Instrument Care and Cleaning Products.  
 Refer to pages 136-137 for more detailed  
 product information.



**KANSAS Nucleus Trisector**

4 mm wide, for manual surgery with small incision to divide nucleus into 3 pieces, recommended use with 18-2002  
 KANSAS Nucleus Vectis (see below)  
**18-2006** 4" (10.2 cm)



**BUCHER-KANSAS Nucleus Trisector**

2.5 mm wide, for manual surgery with small incision to divide nucleus into 3 pieces, recommended use with 18-2002  
 KANSAS Nucleus Vectis or 18-2031  
 ALFONSO Cutting Platform (see below)  
**18-2005** 4-1/4" (10.8 cm)



**ALFONSO Nucleus Trisector**

1.5 mm wide, for manual surgery with small incision to divide nucleus into 3 pieces, recommended use with 18-2002  
 KANSAS Nucleus Vectis or 18-2030  
 ALFONSO Cutting Platform (see below)  
**18-2004** 4-1/4" (10.8 cm)



**KANSAS Nucleus Vectis**

3.0 mm wide solid blade used as a cutting block for nucleus bisector and trisector  
**18-2002** 4-1/2" (11.4 cm)



**ALFONSO Cutting Platform**

used as a cutting block for nucleus trisector during manual small incision surgery

**18-2030** 5" (12.7 cm), 2 mm wide, used with 18-2004  
**18-2031** 5" (12.7 cm), 3 mm wide, used with 18-2005



**HUNKELER IOL Manipulator**

0.3 mm diameter hemi-ball tip

**18-2024** 5" (12.7 cm)



**LESTER IOL Manipulator**

0.25 mm diameter tip, straight with guard,  
for multi-directional IOL manipulation

**18-2025** 4-3/4" (12.1 cm)

**18-2033** Replacement guard/cap



**LESTER IOL Manipulator**

0.25 mm diameter tip, angled, for  
multi-directional IOL manipulation

**18-2026** 4-3/4" (12.1 cm)



**MALONEY IOL Manipulator**

0.25 mm diameter tip, vaulted shank  
with guard

**18-2027** 4-3/4" (12.1 cm)

**18-2033** Replacement guard/cap



IOL MANIPULATING HOOKS

IRIS HOOKS

OTHER MISCELLANEOUS HOOKS

FIXATION RINGS



**CLAYMAN-JAFFE Lens Manipulating Hook**

0.15 mm diameter blunt tip, angled

**18-455** 4-1/2" (11.4 cm)



**JAFFE Lens Manipulating Hook**

0.15 mm diameter blunt tip, straight

**18-456** 4-1/2" (11.4 cm)



**FENZL Lens Manipulating Hook**

0.15 mm diameter tip

**18-457** 4-3/4" (12.1 cm), straight with guard

**18-458** 4-3/4" (12.1 cm), angled

**18-2033** Replacement guard/cap



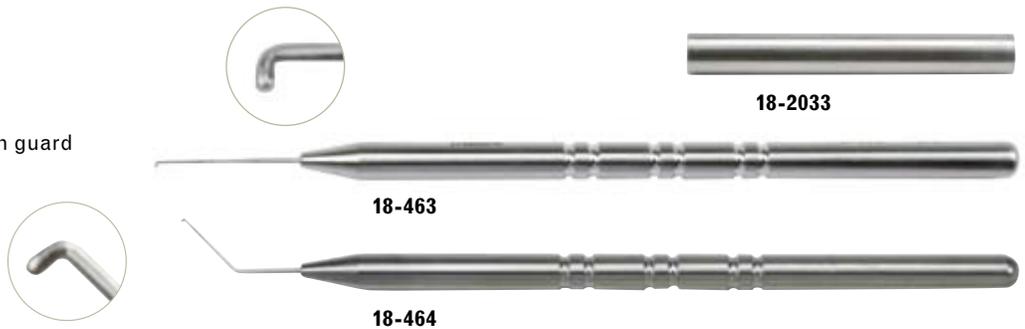
**SINSKEY Lens Manipulating Hook**

0.25 mm diameter blunt tip

**18-463** 4-1/2" (11.4 cm), straight with guard

**18-464** 4-1/2" (11.4 cm), angled

**18-2033** Replacement guard/cap



**SINSKEY II Lens Manipulating Hook**

0.20 mm diameter blunt tip

**18-465** 4-1/2" (11.4 cm), straight, with guard

**18-466** 4-1/2" (11.4 cm), angled

**18-2033** Replacement guard/cap



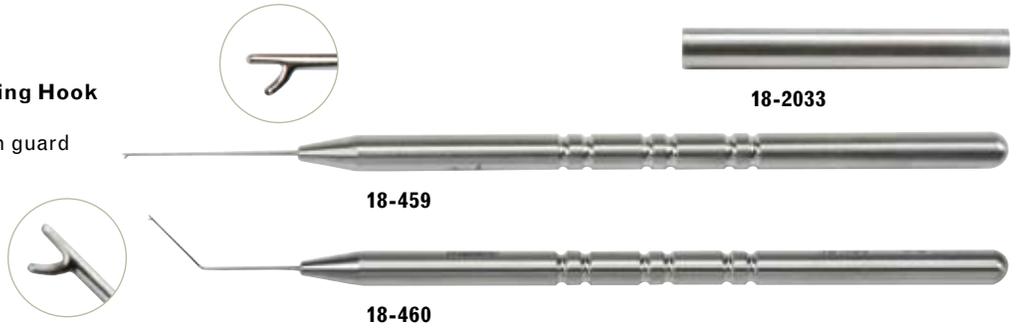
**MALTZMAN-FENZL Lens Manipulating Hook**

0.15 mm diameter tip

**18-459** 4-3/4" (12.1 cm), straight with guard

**18-460** 4-3/4" (12.1 cm), angled

**18-2033** Replacement guard/cap



**OSHER Y-Hook Lens Manipulator**

**18-461** 4-3/4" (12.1 cm), straight with guard

**18-2033** Replacement guard/cap



**RENTSCH "Boat Hook" Lens Manipulator**

multi-purpose instrument for iris/capsule retraction and/or lens manipulation

**18-462** 4-3/4" (12.1 cm), straight with guard

**18-2033** Replacement guard/cap



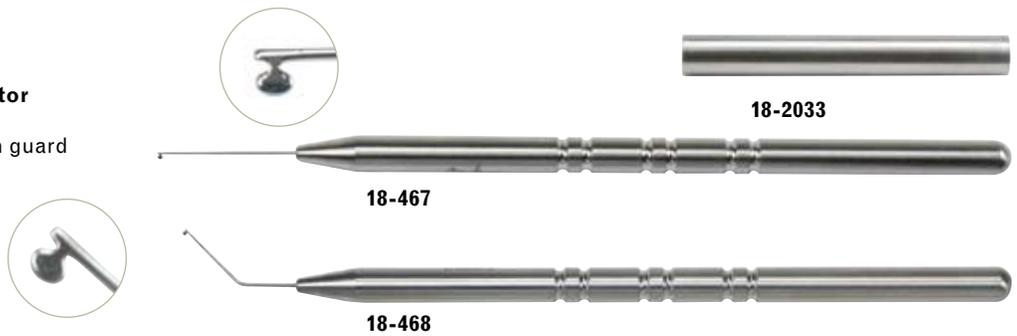
**KUGLEN Iris Hook & Lens Manipulator**

push-pull pattern

**18-467** 4-1/2" (11.4 cm), straight with guard

**18-468** 4-1/2" (11.4 cm), angled

**18-2033** Replacement guard/cap



**SHEPARD Iris Hook**

1.0 mm wide tip

**18-421** 4-3/4" (12.1 cm), blunt



**KNOLLE Iris Hook**

0.8 mm wide tip

**18-470** 4-3/4" (12.1 cm), small, blunt



**18-470**

**HIRSCHMAN Iris Hook**

**18-469** 4-1/2" (11.4 cm), blunt, angled



**18-469**

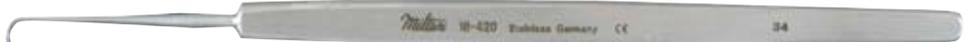
**WIENER Corneal Hook**

**18-418** 5" (12.7 cm), sharp

**18-420** 5" (12.7 cm), blunt



**18-418**



**18-420**

**OSHER Utility Hook**

multi-purpose IOL Hook for retrieving dislocated IOLs, working IOL out of eye during explanation and performing iris tuck reduction with anterior chamber IOLs

**18-417** 4-1/2" (11.4 cm), angled tip



**18-417**

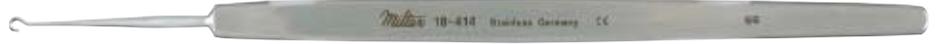
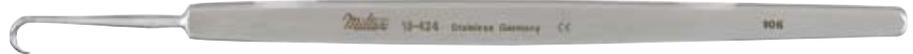
**GUTHRIE Fixation Hook**

sharp double prongs, 1.5 mm wide

**18-416** 5" (12.7 cm)



**18-416**

**TYRELL Hook****18-412** 5" (12.7 cm), sharp**18-414** 5" (12.7 cm), blunt**18-412****18-414****O'CONNOR Hook****18-424** 4-3/4" (12.1 cm), sharp**18-424****NUGENT Hook****18-428** 4-3/4" (12.1 cm), right angle, sharp**18-428****McGANNON Hook & Retractor**

2.5 mm wide

**18-439** 5" (12.7 cm), fenestrated blade**18-439****STEVENS Tenotomy Hook**

5 mm deep

**18-440** 5" (12.7 cm), right angle**18-440**

**GREEN Strabismus Hook**  
**18-442** 5" (12.7 cm), 9 mm deep



**18-442**

**JAMESON Strabismus Hook**  
**18-446** 5" (12.7 cm), 10 mm deep



**18-446**

**VON GRAEFE Strabismus Hook**  
 5-1/2" (14 cm)  
**18-450** small, 8 mm long  
**18-452** medium, 10 mm long  
**18-454** large, 11 mm long



**18-450**



**18-450**



**18-452**



**18-454**

**KIRBY Muscle Hook & Expressor, Double Ended**  
**18-613** 6" (15.2 cm)



**18-613**

**MILTEX® Hook**  
 2 mm diameter  
**21-152** 4-3/4" (12.1 cm), sharp



**21-152**

**SELTZER Hook**  
**33-121** 4-1/2" (11.4 cm), sharp



**33-121**

**GASS Retinal Detachment Hook**

**18-2127** 5-3/4" (14.6 cm), with oval hole



**18-2127**

**THORTON Globe Fixation Ring**

16 mm diameter ring, multiple blunt atraumatic teeth, for refractive surgery procedures

**18-121** 4" (10.2 cm)



**18-121**

**HOFMANN-THORTON Globe Fixation Ring**

16 mm diameter ring, with swivel handle, multiple blunt atraumatic teeth, for refractive surgery procedures

**18-122** 4-1/4" (10.8 cm)



**18-122**

**FINE-THORTON Swivel Fixation Ring**

13 mm diameter ring for clear cornea incisions, with swivel handle, multiple blunt teeth, marks in 15° increments for guide and placement of limbal relaxing incisions

**18-123** 4-1/4" (10.8 cm)



**18-123**

**FINE-THORTON Swivel Fixation Ring**

16 mm diameter ring for scleral tunnel incisions, with swivel handle, multiple blunt teeth, marks in 15° increments for guide and placement of limbal relaxing incisions

**18-124** 4-1/4" (10.8 cm)



**18-124**

# LOOPS & SPOONS



**LEWIS Lens Loop**

5-1/4" (13.3 cm)

**18-480** serrated loop, 5.5 x 8 mm

**18-482** smooth loop, 5.5 x 8 mm



**18-480**



**18-480**



**18-482**

**WILDER Lens Loop**

5-1/4" (13.3 cm)

**18-484** serrated loop, 4 x 15 mm

**18-486** smooth loop, 4 x 15 mm



**18-484**



**18-484**



**18-486**

**FISHER Spoon and Needle**

curved spoon end 7 x 15 mm,

needle 33 mm long

**18-568** 5-1/2" (14 cm)



**18-568**

**DAVIEL Lens Spoon**

**18-472** 5" (12.7 cm), 3 mm wide



**18-472**

**BUNGE Evisceration Spoon**

5-1/2" (14 cm)

**18-540** small, 8 mm cup

**18-542** large, 11 mm cup



**18-540**



**18-540**



**18-542**

**WELLS Enucleation Scoop**

**18-550** 6" (15.2 cm), 21 mm cup



**18-550**



**KELLAN Capsulorhexis Forceps**

cupped tips for grasping the anterior capsule; tongue and groove feature at angle junction helps keep jaws aligned

**18-1095** 4" (10.2 cm), straight

**18-1096** 4" (10.2 cm), vaulted



**18-1095**



**18-1096**

**KRAFF-UTRATA Capsulorhexis Forceps**

cystotome tips; tongue and groove feature at angle junction helps keep jaws aligned

**18-1097** 4" (10.2 cm), blunt tips

**18-1098** 4" (10.2 cm), sharp tips



**18-1097**



**18-1098**

**INAMURA Capsulorhexis Forceps**

delicate tapered shanks and jaw profile seal incision and help eliminate viscoelastic leakage and flattening of the anterior chamber during continuous curvilinear capsulorhexis

**18-1094** 4-3/4" (12.1 cm)



**18-1094**

**ARRUGA Capsule Forceps**

**18-1000** 4" (10.2 cm), standard curve

**18-1002** 4" (10.2 cm), new curve



**18-1000**



**18-1002**

**MILTEX® Extra-Capsular Forceps**

improved pattern with 11 x 11 teeth

**18-1034** 4" (10.2 cm), long convex curve



**18-1034**

**CASTROVIEJO Capsule Forceps**

cross action with stop to limit opening of blades

**18-1050** 4" (10.2 cm)



**18-1050**

**SCHWEIGER Extra-Capsular Forceps**

**18-1058** 3-3/4" (9.5 cm), 4 x 5 teeth, curved



**18-1058**

**FUCHS Extra-Capsular Forceps**

**18-1060** 2-3/4" (7 cm), 5 x 5 teeth, angled



**18-1060**

**AKAHOSHI Combo Prechopper & AKAHOSHI Universal Prechopper**

Intended for use on grades of nuclei with 1-2 hardness divided using Karate/Phaco Prechop technique, in which the nucleus is prechopped into 4 or more sections before introducing the phaco handpiece. Harder nuclei or nuclei with weak ciliary zonules should be prechopped very carefully and supported with a nucleus sustainer to reduce the stress on the ciliary zonules. This technique reduces ultrasound time by minimizing the conventional grooving method. The movement of the phaco tip is minimized and mechanical and thermal damage to the wound is reduced by dividing the nucleus beforehand. Maximum opening of 3.0 mm at the site of incision.

**AKAHOSHI Combo Prechopper**

**18-2000** 4-3/4" (12.1 cm)

**AKAHOSHI Universal Prechopper**

**18-2001** 4-3/4" (12.1 cm)



**18-2000**



**18-2001**

**GASKIN Fragment Forceps**

11 mm long smooth jaws  
**18-981** 4" (10.2 cm), angled



**18-981**

**DODICK Nucleus Cracker**

cross action; longitudinally serrated  
 paddle shaped jaws for cracking the  
 nucleus through 3 mm incision  
**18-2016** 4" (10.2 cm)



**18-2016**

**BURATTO II Acrylic IOL Implantation Forceps**

very thin and smooth polished jaws for implanting  
 lens through a small incision  
**18-1071** 5" (12.7 cm), angled, without lock



**18-1071**

**CUMMING CrystaLens Forceps**

specially designed jaws are placed across  
 the IOL for vertical removal of the lens  
 from the packaging and to help prevent  
 implanting the lens upside down  
**18-1085** 5" (12.7 cm), without lock



**18-1085**

**ZALDIVAR Micro Implantation Forceps**

flat tip on the leading edge of the forceps helps implantation  
 through a small clear corneal incision; forceps enter a 3 mm  
 incision without stretching the incision size; jaws easily open  
 in the eye and are smoothly polished to avoid marking the lens;  
 forceps can be used to implant the superior haptic  
**18-1090** 5" (12.7 cm), without lock



**18-1090**

**BURATTO Soft IOL Inserting Forceps**  
 extra delicate highly polished convex jaws,  
 for foldable acrylic and silicone IOLs  
**18-1070** 4" (10.2 cm)



**18-1070**

**DODICK IOL Folding Forceps**  
 for soft IOLs  
**18-1072** 4" (10.2 cm)



**18-1072**

**LIVERNOIS IOL Folding Forceps**  
 concave jaw surfaces, for soft IOLs  
**18-1073** 4" (10.2 cm)



**18-1073**



**LIEBERMAN Micro Ring Lens Forceps**  
 15° jaw angulation, facilitates implantation  
 of IOL, haptic and optic  
**18-1089** 4-1/2" (11.4 cm)



**18-1089**

**SHEPARD Intraocular Lens Holding Forceps**  
 17 mm gently curved jaws, serrated paddle shaped tips  
**18-1080** 4-1/2" (11.4 cm)



18-1080

**CLAYMAN Intraocular Lens Holding Forceps**  
 15 mm gently curved jaws, angled delicate smooth tips  
**18-1081** 4-1/2" (11.4 cm)



18-1081

**CLAYMAN Lens Holding Forceps**  
 delicate angled jaws and gently curved  
**18-1084** 5" (12.7 cm)



18-1084

**BECHERT Lens Holding Forceps**  
 very delicate flat jaws gently curved  
**18-1082** 4-3/4" (12.1 cm)



18-1082

**BLAYDES Lens Holding Forceps**  
 very delicate narrow and smooth jaws, angled 45°  
**18-1083** 4-1/2" (11.4 cm)



18-1083

**FAULKNER Lens Holding Forceps**  
 round smooth jaws for holding soft IOLs  
**18-1086** 4" (10.2 cm)



**18-1086**

**KRATZ Lens Holding Forceps**  
 very delicate narrow jaws, curved  
**18-1087** 4-1/2" (11.4 cm)



**18-1087**

**PERONE LASIK Forceps**  
 1.20 mm ring diameter, curved, fenestrated circular  
 rings for firm hold and lifting of the corneal flap  
**18-1093** 4" (10.2 cm)



**18-1093**

**BURATTO LASIK Flap Forceps**  
 disc shaped serrated jaws, curved  
**18-1091** 4" (10.2 cm)



**18-1091**

**MENDEZ Multi-Purpose LASIK Forceps**  
 for lifting, grasping and dissecting the  
 corneal flap, spatulated jaws and tips,  
 smooth grasping surface, vaulted  
**18-1092** 4" (10.2 cm)



**18-1092**

**JAFFE Tying Forceps**

0.3 x 6 mm long platform, very delicate smooth jaws, for 8-0 to 11-0 sutures

**18-920** 4" (10.2 cm), straight

**18-921** 4" (10.2 cm), curved



**18-920**



**18-921**

**TENNANT Tying Forceps**

6 mm long platform, extra delicate smooth jaws, round handle and guide pin, for 9-0 to 11-0 sutures

**18-923** 4" (10.2 cm), straight

**18-924** 4" (10.2 cm), curved



**18-923**



**18-924**

**HARMS Tying & Suturing Forceps**

0.6 mm wide at tip, smooth tying platform, 11 mm wide handles, for 7-0 to 9-0 sutures

**18-946** 4-1/8" (10.5 cm), straight

**18-947** 4-1/8" (10.5 cm), curved



**18-946**



**18-947**

**KELMAN-McPHERSON Forceps**

7.5 mm long platform, smooth jaws, ideal for implanting IOLs

**18-931** 4" (10.2 cm), angled



**18-931**

**McPHERSON Tying Forceps**

5 mm long platform, smooth jaws, for 8-0 to 11-0 sutures

**18-922** 4" (10.2 cm), straight

**18-925** 4" (10.2 cm), angled



**18-922**



**18-925**

**McPHERSON Micro Iris Suturing Forceps**

0.3 x 5 mm smooth platform

**18-948** 3-1/2" (8.9 cm), straight

**18-949** 3-1/2" (8.9 cm), angled



**18-948**



**18-949**

**McPHERSON Tissue Forceps**

1 x 2 teeth, 0.4 mm with tying platform

**18-929** 4" (10.2 cm), angled

**18-930** 4" (10.2 cm), straight



**18-929**



**18-930**

**CASTROVIEJO Suturing Forceps**

1 x 2 teeth with tying platform, narrow handles  
4" (10.2 cm)

**18-951** 0.3 mm

**PM-4909\*** 0.5 mm

**18-952** 0.6 mm

**18-950** 0.9 mm



**18-951**  
**PM-4909**  
**18-952**  
**18-950**

**CASTROVIEJO Suturing Forceps**

1 x 2 teeth with tying platform,  
11 mm wide handles  
4-1/4" (10.8 cm)

**18-953** 0.12 mm, micro

**18-954** 0.6 mm

**18-955** 0.9 mm



**18-953**  
**18-954**  
**18-955**

**CASTROVIEJO Suturing Forceps**

1 x 2 teeth with tying platform,  
11 mm wide handles  
4-1/4" (10.8 cm)

**PM-3726\*** 0.3 mm

**PM-4908\*** 0.5 mm

**PM-3727\*** 0.9 mm

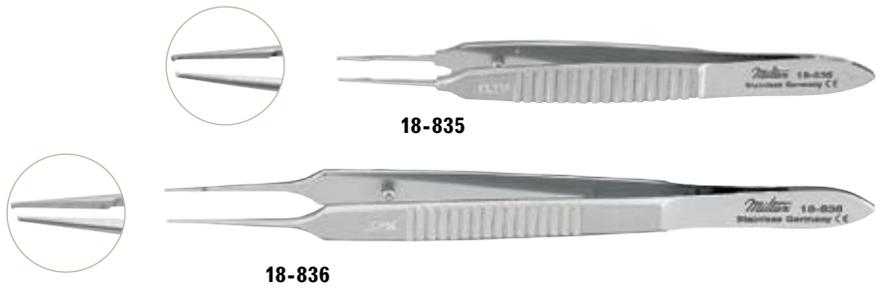
**PM-3731\*** 1.5 mm



**PM-3726**  
**PM-4908**  
**PM-3727**  
**PM-3731**

**BONN Micro Suturing Forceps**

1 x 2 teeth with tying platform  
**18-835** 2-3/4" (7.0 cm), 0.12 mm  
**18-836** 3-3/4" (9.5 cm), 0.12 mm



**McPHERSON Micro Corneal Suturing Forceps**

1 x 2 teeth with tying platform  
**18-837** 3-1/2" (8.9 cm), straight, 0.2 mm  
**18-838** 3-1/2" (8.9 cm), angled, 0.2 mm



**McCULLOUGH Suturing Forceps**

1 x 2 teeth with cross serrated jaws  
**18-966** 4" (10.2 cm), 1.5 mm



**SAUER Suturing/Fixation Forceps**

1 x 2 curved teeth overlapping each other  
**18-974** 3-1/2" (8.9 cm), 0.6 mm



**MANHATTAN EYE & EAR Suturing/Fixation Forceps**

1 x 2 curved teeth overlapping each other,  
 with smooth tying platform  
**18-975** 3-1/2" (8.9 cm), 0.7 mm



**HARMS Colibri Forceps**

extra delicate 1 x 2 teeth with tying platform

**18-928** 2-7/8" (7.3 cm), 0.12 mm



**18-928**

**TROUTMAN-BARRAQUER Colibri Type Corneal Utility Forceps**

1 x 2 teeth, set at 45° angle, with tying platform

**18-827** 3" (7.6 cm), 0.4 mm

**18-828** 3" (7.6 cm), 0.12 mm



**18-827**



**18-828**

**PIERSE Colibri Type Corneal Forceps**

very delicate 1 x 1 teeth

**18-880** 3-1/4" (8.3 cm), 0.12 mm

**18-881** 3-1/4" (8.3 cm), 0.3 mm



**18-880**



**18-881**

**CASTROVIEJO Colibri Type Corneal Forceps**

very delicate 1 x 2 teeth, with tying platform

**18-883** 4" (10.2 cm), 0.12 mm



**18-883**

**GILL Iris Forceps**

1 x 2 teeth

**18-834** 2-7/8" (7.3 cm), 0.6 mm



**18-834**

**GILL (CHANDLER) Iris Forceps**

fine cross serrated jaws, no teeth

**18-825** 3" (7.6 cm), 0.6 mm



**18-825**

**GILL-HESS Iris Forceps**

1 x 2 teeth forward

**18-830** 2-3/4" (7.0 cm), 0.5 mm



**18-830**

**BOTVIN Iris Forceps**

fine cross serrated jaws, no teeth

**18-829** 2-7/8" (7.3 cm), 0.5 mm



**18-829**

**Eye Dressing Forceps**

extra delicate pattern, 0.5 mm serrated jaws  
4" (10.2 cm)

**18-779** straight

**18-781** half curved

**18-783** full curved



**18-779**



**18-781**



**18-783**

**Eye Dressing Forceps**

standard pattern, 0.8 mm serrated jaws  
4" (10.2 cm)

**18-780** straight

**18-782** half curved

**18-784** full curved



**18-780**



**18-782**

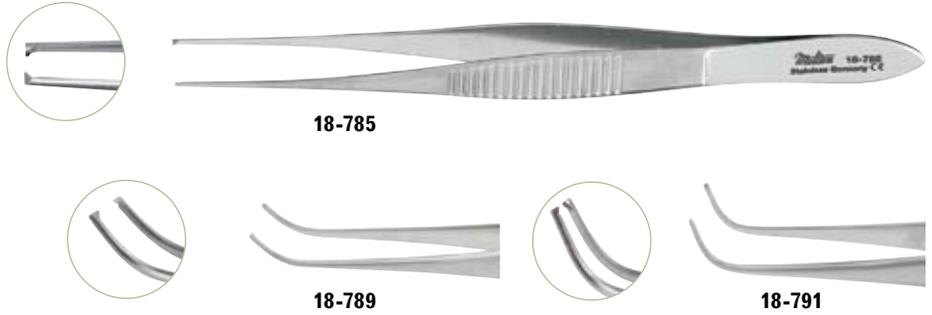


**18-784**

**Iris Tissue Forceps**

1 x 2 teeth, extra delicate pattern, 0.5 mm  
4" (10.2 cm)

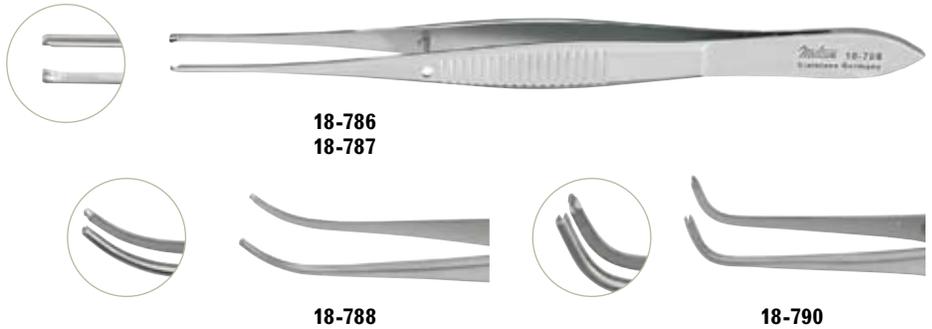
- 18-785** straight
- 18-789** half curved
- 18-791** full curved



**Iris Tissue Forceps**

1 x 2 teeth, standard pattern, 0.8 mm  
4" (10.2 cm)

- 18-786** straight
- 18-787** straight, non-magnetic
- 18-788** half curved
- 18-790** full curved



**BISHOP-HARMON Dressing Forceps**

fine cross serrated jaws  
**18-866** 3-3/8" (8.6 cm), 0.5 mm



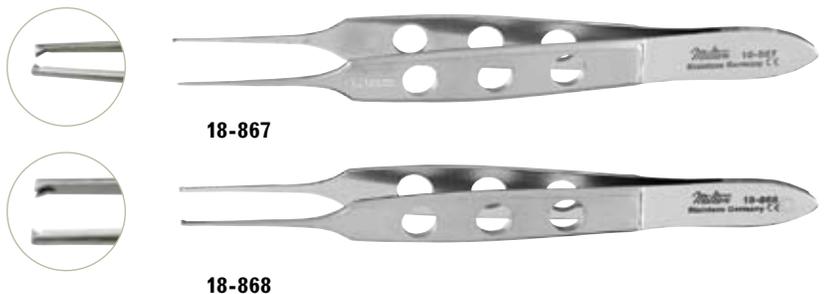
**BISHOP-HARMON Dressing Forceps**

serrated  
**PM-4809\*** 3-1/4" (8.3 cm), 0.6 mm



**BISHOP-HARMON Tissue Forceps**

1 x 2 teeth  
**18-867** 3-3/8" (8.6 cm), delicate, 0.3 mm  
**18-868** 3-3/8" (8.6 cm), standard, 0.7 mm



**BISHOP-HARMON Iris Tissue Forceps**

1 x 2 teeth

**PM-4793\*** 3-1/4" (8.3 cm), extra delicate, 0.3 mm

**PM-4792\*** 3-1/4" (8.3 cm), delicate, 0.4 mm

**PM-4791\*** 3-1/4" (8.3 cm), standard, 0.6 mm



**PM-4793  
PM-4792  
PM-4791**

**FOERSTER Iris Tissue Forceps**

1 x 2 teeth, octagonal grip

**18-796** 3-3/4" (9.5 cm), straight, 0.5 mm

**18-798** 3-3/4" (9.5 cm), full curved, 0.5 mm



**18-796**



**18-798**

**FOERSTER Eye Dressing Forceps**

serrated, octagonal grip

**18-795** 3-3/4" (9.5 cm), straight, 0.5 mm

**18-795A** 3-3/4" (9.5 cm), full curved, 0.5 mm



**18-795**



**18-795A**

**O'CONNOR Iris Forceps**

1 x 2 teeth, angled

**18-793** 3-3/4" (9.5 cm), 0.5 x 9 mm



**18-793**

**STEVENS Iris Forceps**

1 x 2 teeth, straight

**18-804** 4" (10.2 cm), 1 mm



**18-804**

**GRAEFE Iris Forceps**

1 x 2 teeth

**18-816** 2-3/4" (7.0 cm), straight

**18-820** 2-3/4" (7.0 cm), curved



**18-816**



**18-820**

**GRAEFE Eye Dressing Forceps**

serrated

**18-814** 2-3/4" (7.0 cm), straight

**18-818** 2-3/4" (7.0 cm), curved



**18-814**



**18-818**

**COBAUGH Iris Forceps**

1 x 2 teeth

**PM-4212\*** 4" (10.2 cm), straight



**PM-4212**

**COBAUGH Eye Dressing Forceps**

serrated

**PM-4213\*** 4" (10.2 cm), straight



**PM-4213**

**BRACKEN Iris Forceps**

fine cross serrated jaws

**18-794** 4" (10.2 cm)



**18-794**

**KIRBY Iris Forceps**

1 x 2 teeth

**18-620** 4" (10.2 cm), straight

**18-624** 4" (10.2 cm), curved



**18-620**



**18-624**

**KIRBY Fixation Forceps**

1 x 2 teeth, with slide lock

**18-628** 4" (10.2 cm), straight



**18-628**

**KIRBY Cornea-Scleral Forceps**

1 x 2 teeth

**18-632** 4" (10.2 cm), angled tips



**18-632**

**Strabismus Forceps**

1 x 2 teeth

**18-840** 4" (10.2 cm), 1 mm



**18-840**

**Micro ADSON Tissue Forceps**

1 x 2 teeth

**17-2500** 4-3/4" (12.1 cm), 0.5 mm



**17-2500**

**Micro ADSON Dressing Forceps**

serrated

**17-2510** 4-3/4" (12.1 cm), 0.5 mm



**17-2510**

**SWISS Jeweler Style Forceps**

Non-Magnetic Stainless Steel,  
4-3/4" (12.1 cm)

- 17-301** style 1, fine
- 17-302** style 2, strong, fine
- 17-303** style 3, narrow, fine
- 17-303X** style 3X, micro fine



**17-301**



**17-302**



**17-303**



**17-303X**

**SWISS Jeweler Style Forceps**

Non-Magnetic Stainless Steel,  
4-3/8" (11.2 cm)

- 17-303C** style 3C, narrow, fine
- 17-304** style 4, fine,
- 17-305** style 5, super fine
- 17-305X** style 5, micro fine



**17-303C**



**17-304**



**17-305**



**17-305X**

**SWISS Jeweler Style Forceps**

Non-Magnetic Stainless Steel,  
4-1/2" (11.4 cm)

- 17-306** style 6, pickup
- 17-307** style 7, fine, curved
- 17-307X** style 7, micro fine, curved



**17-306**



**17-307**



**17-307X**

**Micro (Jeweler) Forceps**

delicate fine points

**PM-4746\*** 4-1/2" (11.4 cm), style 0



**PM-4746**

**Micro (Jeweler) Forceps**

fine points

**PM-4749\*** 5-1/4" (13.3 cm), style 26-SA



**PM-4749**

**Micro (Jeweler) Forceps**

angled

**PM-4928\*** 4-1/2" (11.4 cm)



**PM-4928**

**Micro Suture Forceps**

with tying platform

**PM-4859\*** 4-3/4" (12.1 cm), 0.3 mm

**PM-4860\*** 6" (15.2 cm), 0.3 mm



**PM-4859**

**PM-4860** (not shown)

**LITTAUER Cilia Forceps**

4 mm wide jaws with fine horizontal serrations

**18-1100** 3-1/2" (8.9 cm)**18-1100****BEER Cilia Forceps**

4 mm wide smooth jaws

**18-1102** 3-1/2" (8.9 cm)**18-1102****ZIEGLER Cilia Forceps**

2 mm wide serrated jaws

**18-1104** 3-1/2" (8.9 cm)**18-1104****DOUGLAS Cilia Forceps**

thin jaws 2.5 mm wide, with fine horizontal serrations

**18-1106** 3-1/2" (8.9 cm)**18-1106****SWISS Cilia & Suture Forceps**

3 mm wide precision fitted diagonal smooth jaws

**18-1107** 3-3/4" (9.5 cm)**18-1107**

**BERGH Cilia Forceps**

5 mm wide jaws with horizontal serrations

**18-1110** 3-1/2" (8.9 cm)



**18-1110**

**BARRAQUER Cilia & Suture Forceps**

5 mm smooth platform

**18-1111** 4-1/2" (11.4 cm)



**18-1111**

**BENNETT Cilia Forceps**

3 mm diameter cup shaped jaws, fenestrated

**18-1112** 3" (7.6 cm)



**18-1112**

**BEAUPRE Cilia Forceps**

12 mm long smooth jaws, 45° angle

**18-1114** 4-1/2" (11.4 cm)



**18-1114**

**GRADLE Cilia Forceps**

1.4 mm wide precision ground jaws, smooth

**18-1116** 4" (10.2 cm)



**18-1116**

**BERKE Ptosis Forceps**

longitudinal serrations, slide lock,

**18-1138** 4" (10.2 cm), blades 27 mm long

**PM-4323\*** 4" (10.2 cm), blades 20 mm long



**18-1138**

**PM-4323** (not shown)

**ERHARDT Lid Forceps**

serrated jaws 9.5 mm wide

**18-1150** 3-1/2" (8.9 cm)



**18-1150**

**SNELLEN Entropium Forceps**

35 mm wide plate

**18-1160** 3-3/4" (9.5 cm), left



**18-1160**

**SNELLEN Entropium Forceps**

35 mm wide plate

**18-1162** 3-3/4" (9.5 cm), right



**18-1162**

**BAIRD Chalazion Forceps**

oval, inside ring 8 x 11 mm, small

**18-1171** 4" (10.2 cm)



**18-1171**

**AYER Chalazion Forceps**

round, inside ring diameter 8.5 mm,  
solid blade 8 mm diameter

**18-1170** 3-1/2" (8.9 cm)



**18-1170**

**LAMBERT Chalazion Forceps**

round, inside ring diameter 8 mm, outside diameter 11 mm

**18-1172** 3-3/4" (9.5 cm)

**18-1174** 3-1/2" (8.9 cm)



**18-1172**



**18-1174**

**HUNT Chalazion Forceps**

round, inside ring 12 mm

**18-1178** 3-3/4" (9.5 cm)



**18-1178**

**HEATH Chalazion Forceps**

oval, inside ring 12 x 14 mm

**18-1182** 4" (10.2 cm)



**18-1182**

**SPENCER Chalazion Forceps**

oval, inside ring 10 x 12 mm, with slide lock

**18-1188** 4" (10.2 cm)



**18-1188**

**WIES Chalazion Forceps**

inside ring 9 x 12 mm  
**18-1190** 4" (10.2 cm)



**18-1190**

**DESMARRES Chalazion Forceps**

3-1/2" (8.9 cm)  
**18-1200** small, inside ring 11 x 17 mm  
**18-1202** medium, inside ring 12 x 23 mm  
**18-1204** large, inside ring 17 x 28 mm



**18-1200**



**18-1202**



**18-1204**

**FRANCIS Chalazion Forceps**

oval, inside ring 12 x 14 mm  
**18-1208** 3-3/4" (9.5 cm)



**18-1208**

**PRINCE Trachoma Forceps**

oval, inside ring 8 x 10 mm  
**18-1220** 3-1/2" (8.9 cm)  
**PM18-1220\*** 3-1/2" (8.9 cm), with set screw



**18-1220**



**PM18-1220**

**JAMESON Recession & Muscle Forceps**

with slide lock, 7 teeth, adult size  
**18-1262** 3-3/4" (9.5 cm), right  
**18-1260** 3-3/4" (9.5 cm), left



**18-1262**



**18-1260**

**GRAEFE Fixation Forceps**

- standard jaws 4.5 mm wide, with fine teeth  
**18-850** 4-3/8" (11.2 cm), no lock  
**18-852** 4-3/8" (11.2 cm), no lock, non-magnetic  
**18-854** 4-3/8" (11.2 cm), with lock



**18-850**  
**18-852 (not shown)**



**18-854**

**WALDEAU Fixation Forceps**

- concave jaws 5 mm wide, with fine teeth  
**18-860** 4-3/8" (11.2 cm)



**18-860**

**VON GRAEFE Tissue Forceps**

- fine multiple atraumatic teeth  
**PM-6200\*** 4-1/4" (10.8 cm)



**PM-6200**

**CASTROVIEJO (ALVIN) Fixation Forceps**

- 1 x 1 curved teeth extending beyond each other  
**18-876** 3-3/4" (9.5 cm), straight



**18-876**

**CASTROVIEJO Fixation Forceps**

- 2 x 2 curved teeth extending beyond each other  
**18-878** 3-3/4" (9.5 cm), straight



**18-878**

**GREEN Fixation Forceps, T-Shape**

- 4" (10.2 cm)  
**18-896** 12 mm jaws, 19 x 20 teeth  
**18-897** 5 mm jaws, 8 x 9 teeth



**18-896**



**18-897**

**O'BRIEN Fixation Forceps**  
 delicate 1 x 2 teeth, angled forward  
**18-904** 4" (10.2 cm), 0.9 mm wide



**18-904**

**ELSCHNIG Fixation Forceps**  
 strong 1 x 2 teeth, angled forward  
**18-906** 4-1/4" (10.8 cm), 0.9 mm wide



**18-906**

**LESTER Fixation Forceps**  
 3-3/4" (9.5 cm)  
**18-912** delicate 1 x 2 teeth, 0.6 mm wide  
**18-914** delicate 2 x 3 teeth, 1.0 mm wide



**18-912**



**18-914**

**HARMON Fixation Forceps**  
 4 x 5 teeth, delicate 2.5 mm wide jaws  
**18-916** 3" (7.6 cm)



**18-916**

**KIRBY Fixation Forceps**  
 1 x 2 teeth, with slide lock  
**18-628** 4" (10.2 cm), straight



**18-628**

**NUGENT Utility Forceps**

4-1/4" (10.8 cm)

**18-956** angled smooth jaws, 1.2 mm

**18-958** angled cross serrated jaws, 1.2 mm



**18-956**



**18-958**

**McCULLOUGH Utility Forceps**

4" (10.2 cm)

**18-962** straight smooth jaws, 1.5 mm

**18-964** straight cross serrated jaws, 1.5 mm



**18-962**



**18-964**

**McCULLOUGH Suturing Forceps**

1 x 2 teeth with cross serrated jaws

**18-966** 4" (10.2 cm), 1.5 mm



**18-966**

**KURTH Suture Forceps**

smooth tying platform

**PM-4136\*** 4" (10.2 cm)



**PM-4136**

**WILLS HOSPITAL Utility Forceps**

cross serrated tying platform

**18-970** 4" (10.2 cm), 1.2 mm



**18-970**

**BONNACCOLTO Utility Forceps**

longitudinal serrations with cross serrations on jaws, 1.2 mm wide with tapered tips

**18-971** 4" (10.2 cm)



**18-971**

**SCHAAF Foreign Body Forceps**

grooved jaws, octagonal handle

**18-978** 3-3/4" (9.5 cm)



**18-978**

**THORPE Corneal & Splinter Forceps**

very sharp points, fine serrated jaws

**18-980** 4-1/2" (11.4 cm)



**18-980**

**ADSON Dressing Forceps**

delicate, serrated

**6-118** 4-3/4" (12.1 cm), straight

**6-118A** 4-3/4" (12.1 cm), angled



**6-118**



**6-118**



**6-118A**

**ADSON Dressing Forceps**

delicate, serrated, lightweight fenestrated handles

**6-118XL** 4-3/4" (12.1 cm), straight



**6-118XL**

**Micro ADSON Dressing Forceps**

serrated  
**17-2510** 4-3/4" (12.1 cm), 0.5 mm



**17-2510**

**ADSON Dressing Forceps**

delicate  
**PM-6105\*** 4-3/4" (12.1 cm), cross serrated  
**PM-6106\*** 4-3/4" (12.1 cm), smooth



**PM-6105**



**PM-6105**



**PM-6106**

**ADSON Tissue Forceps**

1 x 2 teeth, delicate  
**6-120** 4-3/4" (12.1 cm), straight  
**6-120A** 4-3/4" (12.1 cm), angled



**6-120**



**6-120**



**6-120A**

**ADSON Tissue Forceps**

1 x 2 teeth, delicate, lightweight  
 fenestrated handles  
**6-120XL** 4-3/4" (12.1 cm)



**6-120XL**

**Micro ADSON Tissue Forceps**

1 x 2 teeth  
**17-2500** 4-3/4" (12.1 cm), 0.5 mm



**17-2500**

**ADSON Tissue Forceps**

1 x 2 teeth, cross serrated tips, delicate

**6-121** 4-3/4" (12.1 cm), straight

**PM-6121\*** 4-3/4" (12.1 cm), angled



**6-121**  
**PM-6121** (not shown)

**ADSON Dressing, Tissue & Suture Forceps**

1 x 2 teeth, with tying platform

**6-123** 4-3/4" (12.1 cm)



**6-123**

**ADSON Dressing, Tissue & Suture Forceps**

1 x 2 teeth, with tying platform, lightweight fenestrated handles

**6-123XL** 4-3/4" (12.1 cm)



**6-123XL**

**ADSON Dissecting Forceps**

fine 1 x 2 teeth, narrow lightweight handles

**PM-0278\*** 4-3/4" (12.1 cm)



**PM-0278**

**ADSON Tissue Forceps**

2 x 3 teeth, delicate

**6-122** 4-3/4" (12.1 cm)

**PM-6115\*** 4-3/4" (12.1 cm), with serrations



**6-122**



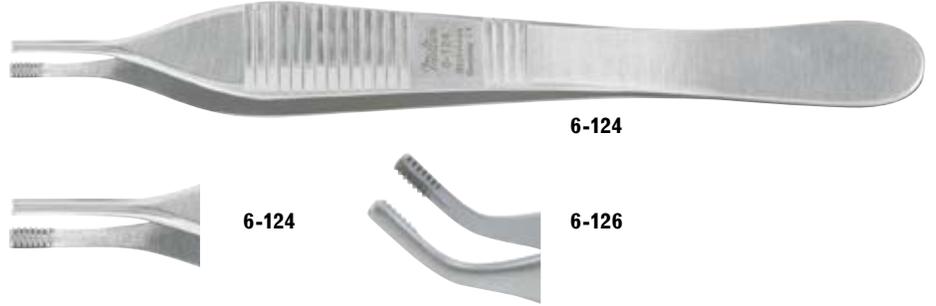
**PM-6115**

**BROWN-ADSON Tissue Forceps**

7 x 7 side grasping teeth

**6-124** 4-3/4" (12.1 cm), straight

**6-126** 4-3/4" (12.1 cm), angular



**BROWN-ADSON Tissue Forceps**

7 x 7 teeth side grasping teeth,  
lightweight fenestrated handles

**6-124XL** 4-3/4" (12.1 cm)

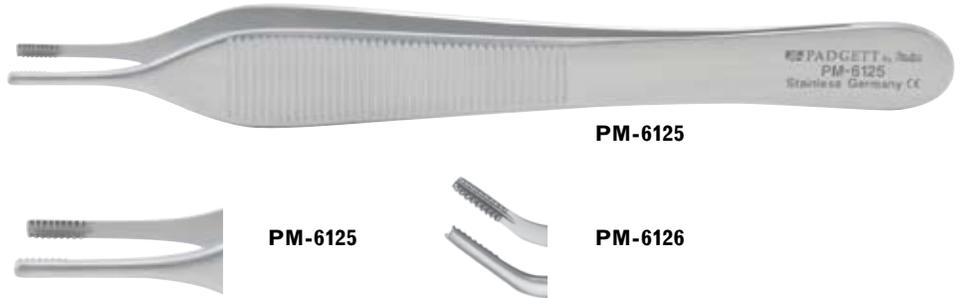


**BROWN-ADSON Tissue Forceps**

9 x 9 teeth side grasping teeth

**PM-6125\*** 4-3/4" (12.1 cm), straight

**PM-6126\*** 4-3/4" (12.1 cm), angled



**GRIFFITHS-BROWN Tissue Forceps**

delicate, 1.5 x 5 mm Brown-Type teeth

**6-127** 4-1/4" (10.8 cm)



**DeBAKEY-ADSON Tissue Forceps**

atraumatic jaws, 1.5 mm

**6-125** 4-3/4" (12.1 cm)



**SEMKEN Dressing Forceps**

serrated

**6-104** 5" (12.7 cm)



**SEMKEN Tissue Forceps**

1 x 2 teeth

**6-106** 5" (12.7 cm), straight

**6-107** 5" (12.7 cm), curved



**LUCAE Dressing Forceps**

bayonet shape, serrated jaws

**19-370** 5-1/2" (14.0 cm)



**JANSEN Dressing Forceps**

bayonet shape, extra delicate with  
2 mm wide serrated jaws

**19-371** 6-1/4" (15.9 cm)



**JANSEN Dressing Forceps**

bayonet shape, serrated

**PM-4278\*** 6-1/2" (16.5 cm)



**GRAUL Tissue Forceps**  
 very delicate 1 x 2 teeth, 0.5 mm  
**PM-4842\*** 4" (10.2 cm)



**PM-4842**

**LISTER Dissecting Forceps**  
 1 x 2 teeth on grooved block jaws  
**PM-0326\*** 4" (10.2 cm)



**PM-0326**

**OLMSTEAD Tissue Forceps**  
 delicate 1 x 2 teeth  
**PM-4719\*** 2-3/4" (7.0 cm)



**PM-4719**

**FELD Blepharoplasty Forceps**  
 delicate, 9 x 9 Brown-Type teeth  
**PM-4681\*** 4-1/4" (10.8 cm)



**PM-4681**

**GRAZER Blepharoplasty Forceps**  
 4 x 5 in-line teeth  
**PM-6245\*** 4-1/4" (10.8 cm)



**PM-6245**

**ADSON Bipolar Forceps**

4-1/4" (108 mm)

**PM-9410\*** needle

**PM-9411\*** 0.5 mm



PM-9410



PM-9411

**Jeweler's Bipolar Forceps**

4-1/4" (10.8 cm)

**PM-9420\*** needle

**PM-9421\*** 0.5 mm



PM-9420



PM-9421

**Jeweler's Bipolar Forceps**

curved

**PM-9425\*** 4-3/4" (12.1 cm), 1.0 mm



PM-9425

**Bayonet Bipolar Forceps**

**PM-9430\*** 6-1/2" (16.5 cm), 0.5 mm



PM-9430

**Bayonet Bipolar Forceps**

**PM-9431\*** 6-1/2" (16.5 cm), 1.0 mm



PM-9431

**Bipolar Instrument Cable**  
 reusable, autoclavable, silicone  
**PM-9450\*** 10 feet (305 cm)



**PM-9450** (not to scale)

**Bipolar Instrument Cable**  
 sterile, disposable, 10/box  
**PM-9450D\*** 12 feet (360 cm)



**PM-9450D** (not to scale)

**WATZKE Sleeve Spreading Forceps**  
**015999** 4-3/4" (12.1 cm), angled jaws



**015999**

# HEMOSTATS & CLAMPS



**HARTMAN Mosquito Forceps**

7-24 4" (10.2 cm), straight  
 7-26 4" (10.2 cm), curved

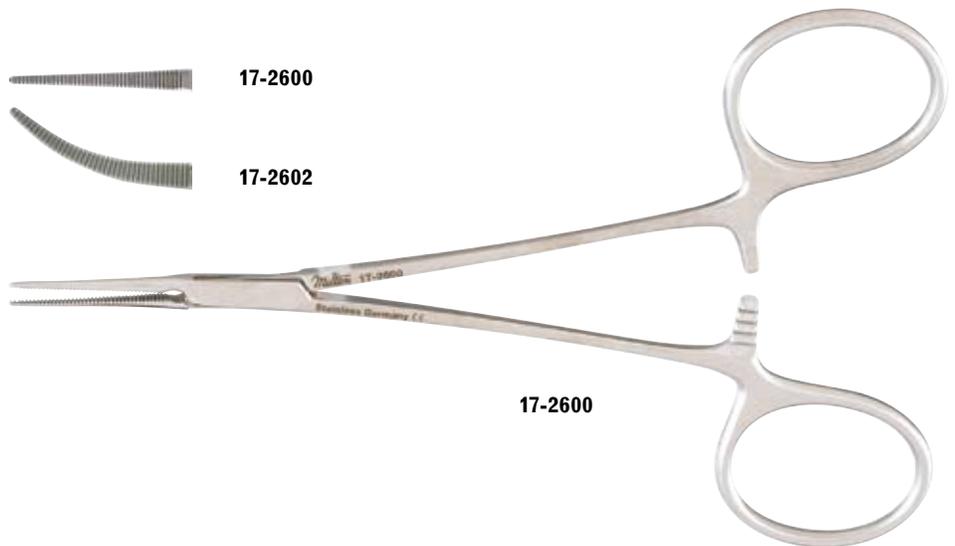


7-24

**JACOBSON Micro Mosquito Forceps**

extremely delicate

17-2600 5" (12.7 cm), straight  
 17-2602 5" (12.7 cm), curved



17-2600

**HALSTED Mosquito Forceps**

non-magnetic

18-1934 5" (12.7 cm), straight  
 18-1936 5" (12.7 cm), curved



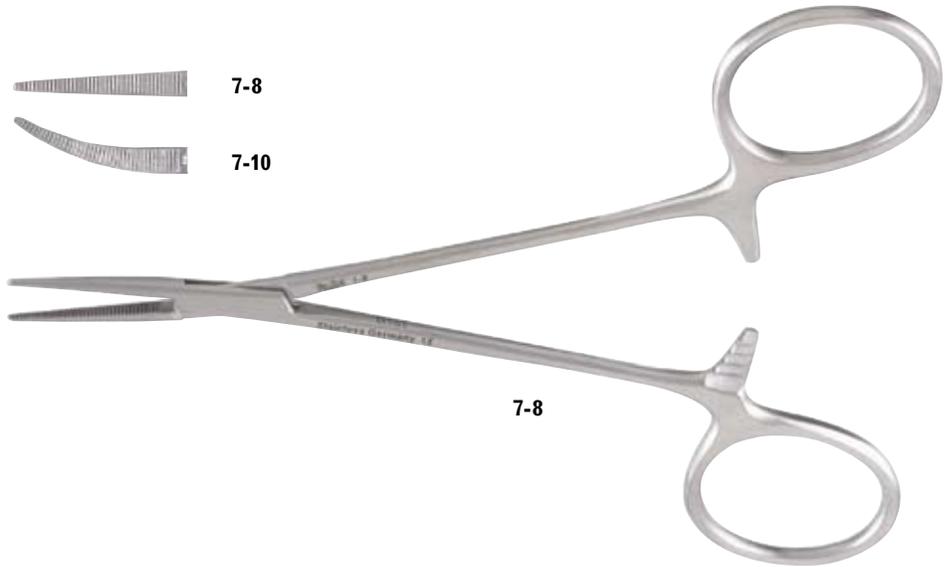
18-1934

**HALSTED Mosquito Forceps**

extra delicate

**7-8** 5" (12.7 cm), straight

**7-10** 5" (12.7 cm), curved

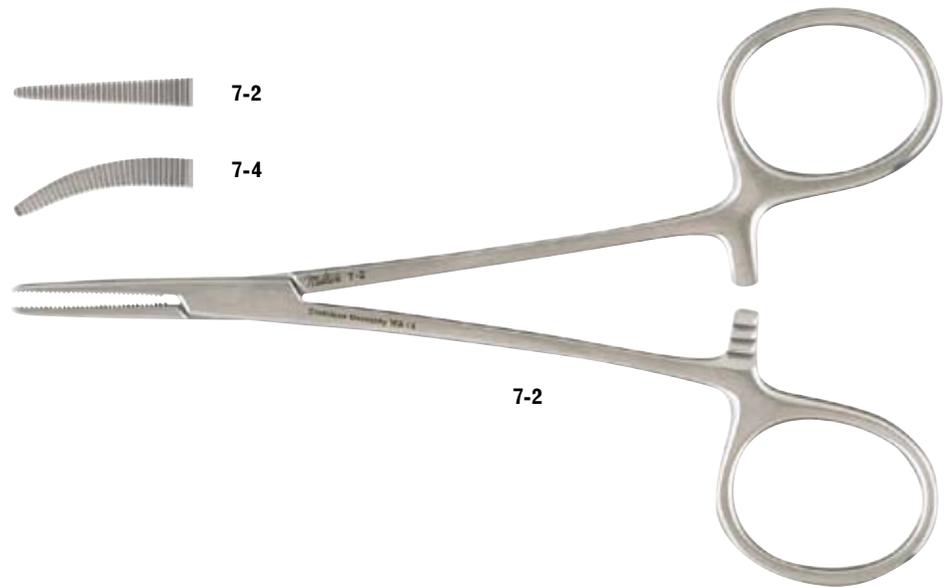


7-8

**HALSTED Mosquito Forceps**

**7-2** 5" (12.7 cm), straight

**7-4** 5" (12.7 cm), curved



7-2

**JONES Towel Clamp**

**7-500** 3-1/2" (8.9 cm)

**7-501** 2-1/4" (5.7 cm)



7-500



7-501

**BACKHAUS Towel Clamp**

7-504 3-1/2" (8.9 cm)  
 7-506 5-1/4" (13.3 cm)



7-504  
 7-506 (not shown)

**LORNA Non-Perforating Towel Clamp**

7-514 4" (10.2 cm)  
 7-515 5-1/4" (13.3 cm)



7-514  
 7-515 (not shown)

**JOHNS HOPKINS Bulldog Clamp**

7-280 1-1/2" (3.8 cm), straight  
 7-282 2" (5.1 cm), straight  
 7-284 2-1/2" (6.4 cm), straight  
 7-286 3" (7.6 cm), straight



7-280



7-282



7-284



7-286

**JOHNS HOPKINS Bulldog Clamp**

- 7-290** 1-1/2" (3.8 cm), curved
- 7-292** 2" (5.1 cm), curved
- 7-294** 2-1/2" (6.4 cm), curved
- 7-296** 3" (7.6 cm), curved
- 7-298** 3-1/2" (8.9 cm), curved



**7-290**



**7-292**



**7-294**



**7-296**



**7-298**

**DIEFFENBACH Serrefine**

- 7-300** 2-1/4" (5.7 cm), straight
- 7-302** 2-1/4" (5.7 cm), curved
- 7-304** 1-1/2" (3.8 cm), straight
- 7-305** 1-1/2" (3.8 cm), curved



**7-300**



**7-302**



**7-304**



**7-305**

**DIETRICH Micro Bulldog Clamp**

jaws 8 x 1.2 mm

- 7-310** 1-7/8" (4.7 cm), straight
- 7-315** 1-3/4" (4.4 cm), angled



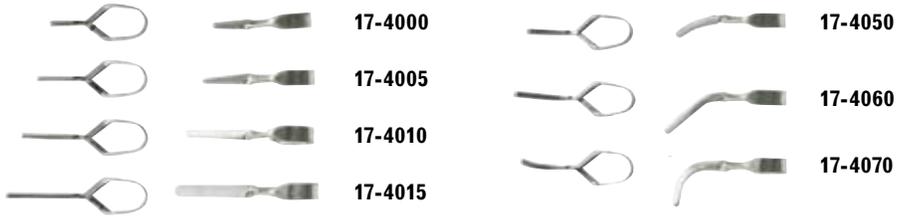
**7-310**



**7-315**

**Micro Vessel Clips**

- 17-4000** straight, 0.75 x 4 mm jaws
- 17-4005** straight, 0.8 x 6 mm jaws
- 17-4010** straight, 1.0 x 8 mm jaws
- 17-4015** straight, 1.5 x 10 mm jaws
- 17-4050** slightly curved, 1.0 x 6 mm jaws
- 17-4060** fully curved, 1.0 x 6 mm jaws
- 17-4070** 45° angle, 1.0 x 6 mm jaws



**Micro Clip Approximator Set**

- 17-4030** 2 x 6 mm jaws, 15 mm spread



**Applying Forceps for Micro Clips**

- 17-4100** 5-3/4" (14.6 cm), with lock
- 17-4102** 5-1/2" (14.0 cm), with stop



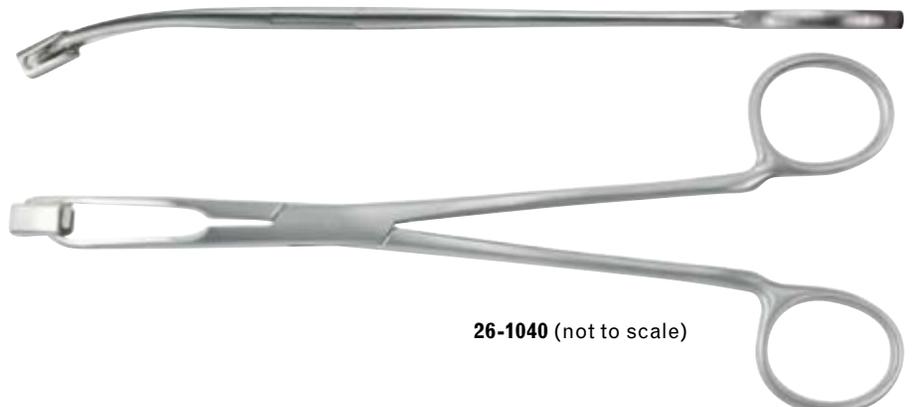
**SCHWARTZ Vessel Clip**

- 1.7 x 8 mm jaws
- 26-1041** 1" (2.5 cm), straight
- 26-1042** 1" (2.5 cm), slightly angled
- 26-1043** 1" (2.5 cm), strong angled



**SCHWARTZ Clip Applying Forceps**

- 26-1040** 8" (20.3 cm)



**26-1040** (not to scale)

# SCISSORS



**UTHOFF-GILLS Capsulotomy Scissors**  
 10 mm long angled blades, curved and blunt tips  
**18-1616** 4-1/8" (10.5 cm)



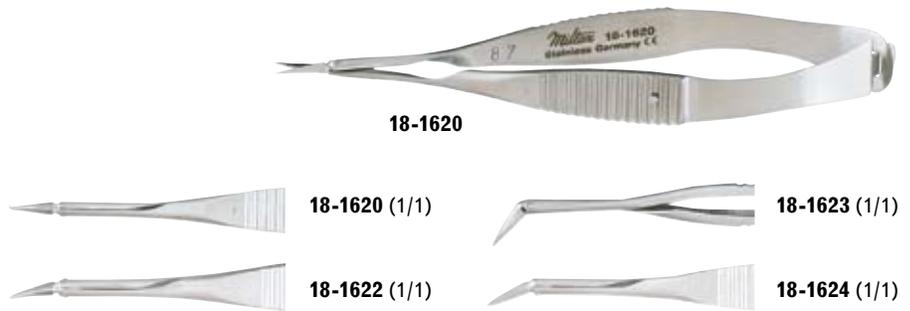
**18-1616** (1/1)

**GILLS Capsulotomy Scissors**  
 10 mm long angled blades, curved and sharp tips  
**18-1617** 4-1/8" (10.5 cm)



**18-1617** (1/1)

**VANNAS Capsulotomy Scissors**  
 extra delicate blades with sharp tips,  
 triangular arrow shaped blades  
**18-1620** 3-1/4" (8.3 cm), straight  
**18-1622** 3-1/4" (8.3 cm), curved  
**18-1623** 3-1/4" (8.3 cm), angled to side  
**18-1624** 3-1/4" (8.3 cm), angled on flat



**18-1620**

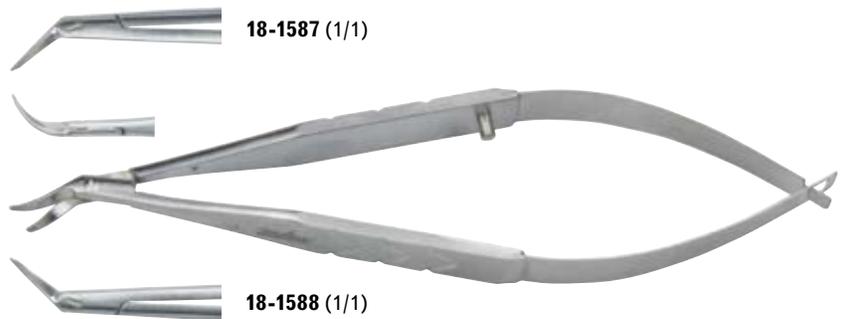
**18-1620** (1/1)

**18-1623** (1/1)

**18-1622** (1/1)

**18-1624** (1/1)

**KATZIN Corneal Transplant Scissors**  
 strong curve, medium blades  
**18-1587** 4-1/4" (10.8 cm), left  
**18-1588** 4-1/4" (10.8 cm), right



**18-1587** (1/1)

**18-1588** (1/1)

**TROUTMAN-KATZIN Corneal Transplant Scissors**  
 strong curve, small blades, with lock  
**18-1589** 4" (10.2 cm), left  
**18-1590** 4" (10.2 cm), right



**18-1589** (1/1)

**18-1590** (1/1)

**RICH Corneal Transplant Scissors**

extremely delicate; strongly curved blades; for trimming the recipient corneal bed and donor button; can also be used for open sky anterior capsulotomy

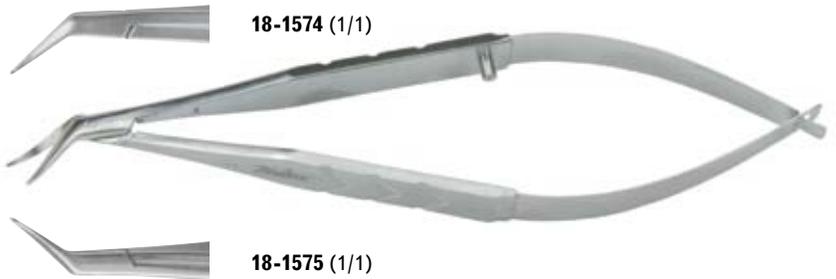
- 18-1591** 4" (10.2 cm), left
- 18-1592** 4" (10.2 cm), right



**CASTROVIEJO Corneoscleral Scissors**

medium blades, curved

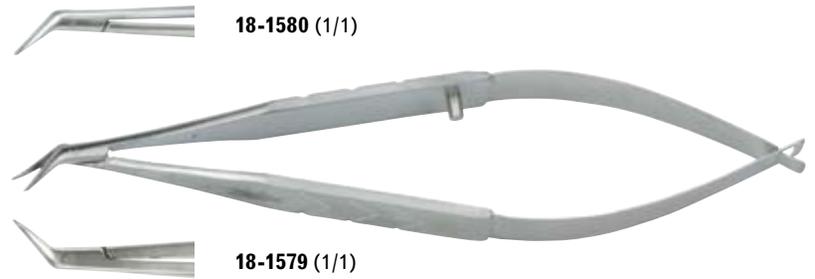
- 18-1574** 4-1/4" (10.8 cm), left
- 18-1575** 4-1/4" (10.8 cm), right



**CASTROVIEJO Corneoscleral Scissors**

small blades, curved

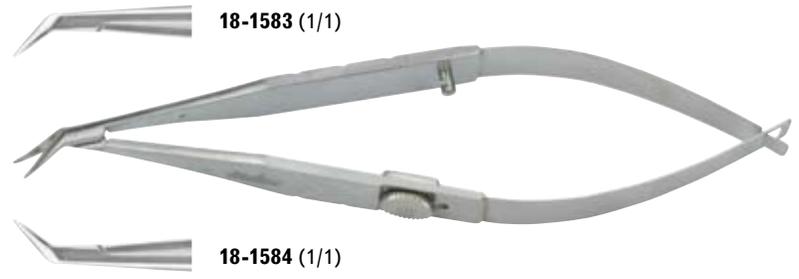
- 18-1580** 4-1/8" (10.5 cm), left
- 18-1579** 4-1/8" (10.5 cm), right



**TROUTMAN-CASTROVIEJO Corneoscleral Scissors**

small blades, curved, with lock

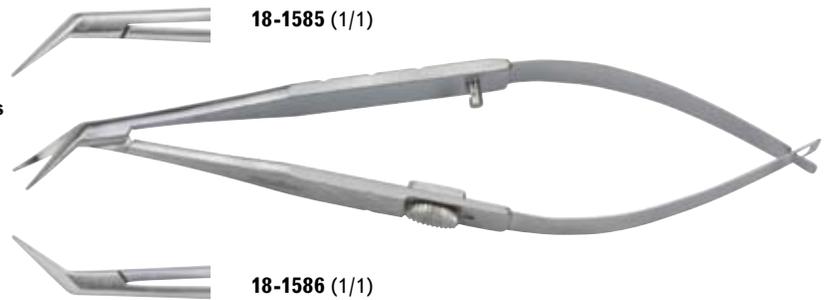
- 18-1583** 4" (10.2 cm), left
- 18-1584** 4" (10.2 cm), right



**TROUTMAN-CASTROVIEJO Corneoscleral Scissors**

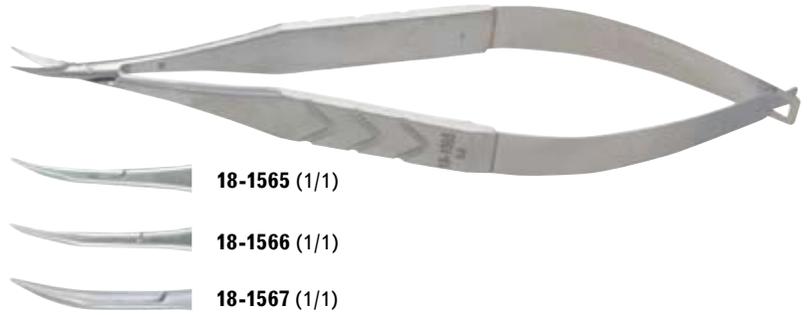
medium blades, curved, with lock

- 18-1585** 4-1/4" (10.8 cm), left
- 18-1586** 4-1/4" (10.8 cm), right



**CASTROVIEJO Universal Corneal Scissors**

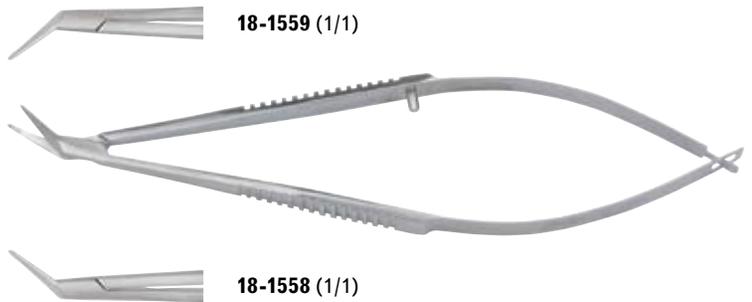
curved, blunt tips

**18-1565** 4-1/8" (10.5 cm), small blades**18-1566** 4-1/4" (10.8 cm), medium blades**18-1567** 4-1/4" (10.8 cm), large blades**18-1565** (1/1)**18-1566** (1/1)**18-1567** (1/1)**CASTROVIEJO Universal Corneal Scissors**

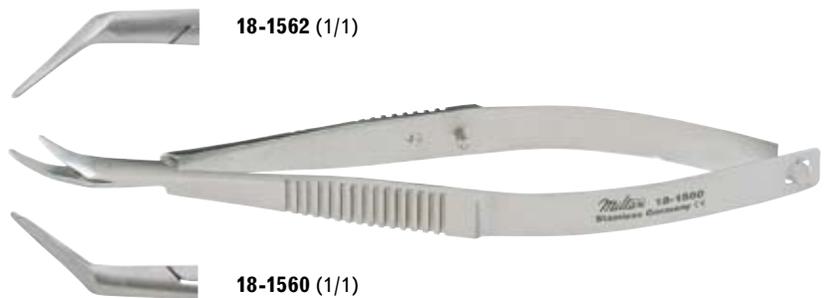
strong curve, blunt tips, large blades

**18-1568** 4-1/4" (10.8 cm)**18-1568** (1/1)**CASTROVIEJO Corneal Scissors**

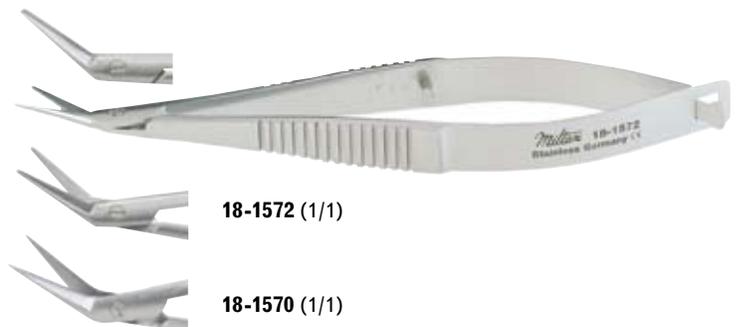
for microsurgery, 6 mm curved blades, blunt tips

**18-1559** 4" (10.2 cm), left**18-1558** 4" (10.2 cm), right**18-1559** (1/1)**18-1558** (1/1)**CASTROVIEJO Corneal Section Scissors**

inner blade 1 mm longer, curved, blunt tips

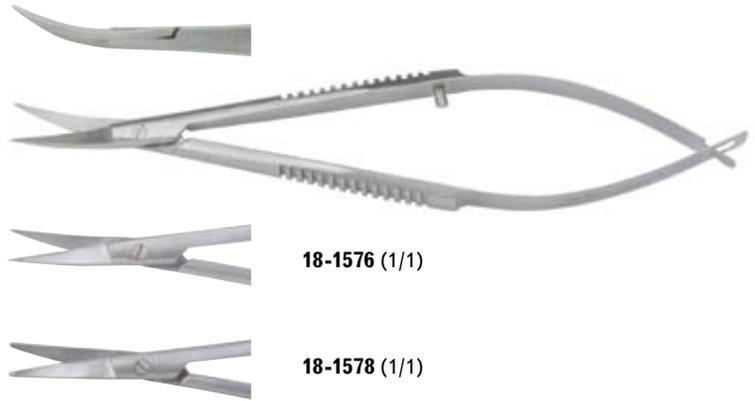
**18-1562** 4-1/2" (11.4 cm), left**18-1560** 4-1/2" (11.4 cm), right**18-1562** (1/1)**18-1560** (1/1)**CASTROVIEJO Corneal Scissors**

angled blades 11 mm

**18-1572** 3-3/4" (9.5 cm), blunt tips (corneal)**18-1570** 3-3/4" (9.5 cm), sharp tips (keratoplasty)**18-1572** (1/1)**18-1570** (1/1)

**CASTROVIEJO Corneal Scissors**

- 18-1576** 3-3/4" (9.5 cm), curved, sharp tips
- 18-1578** 3-3/4" (9.5 cm), curved, blunt tips



**18-1576** (1/1)

**18-1578** (1/1)

**McGUIRE Corneal Scissors**

- curved, blunt tips
- 18-1594** 4-1/8" (10.5 cm), right
- 18-1596** 4-1/8" (10.5 cm), left



**18-1594** (1/1)

**18-1596** (1/1)

**AEBLI Corneal Scissors**

- blunt tips
- 18-1600** 4" (10.2 cm), straight
- 18-1602** 4" (10.2 cm), angled on flat, right
- 18-1604** 4" (10.2 cm), angled on flat, left



**18-1602** (1/1)

**18-1604** (1/1)

**18-1600** (1/1)

**McPHERSON-WESTCOTT Conjunctival Scissors**

- small blades, blunt tips
- 18-1441** 4-1/8" (10.5 cm), curved



**18-1441** (1/1)

**WILMER (CONVERSE) Conjunctival Scissors**

angled on flat, semi-sharp tips

**PM-6450\*** 4-1/8" (10.5 cm), flattened thin blades**PM-6451\*** 4-1/4" (10.8 cm), saber-back blades**PM-6450** (1/1)**PM-6451** (1/1)**WILMER (CONVERSE) Conjunctival and Utility Scissors**

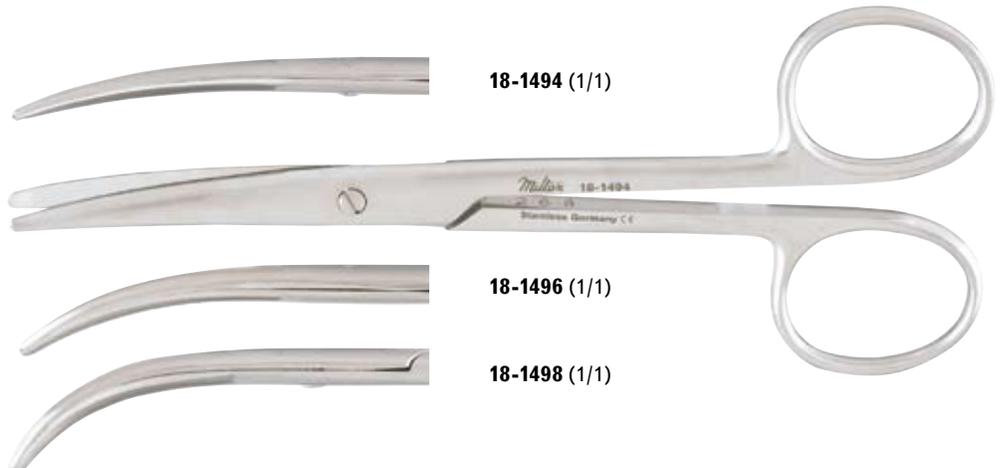
angled on flat, semi-sharp tips

**18-1440** 4" (10.2 cm), flattened thin blades**18-1440** (1/1)**WILMER (CONVERSE) Conjunctival & Utility Scissors, Tungsten Carbide**

angled on flat, long blades, semi-sharp tips

**18-1440TC** 4-1/2" (11.4 cm), flattened thin blades**18-1440TC** (1/1)**ENUCLEATION Scissors**

rounded blades, blunt tips

**18-1494** 5" (12.7 cm), light curve**18-1496** 5" (12.7 cm), medium curve**18-1498** 5" (12.7 cm), full curve**18-1494** (1/1)**18-1496** (1/1)**18-1498** (1/1)

**CASTROVIEJO Keratoplasty Scissors**

medium blades, blunt tips

**18-1581** 4-1/4" (10.8 cm), angled to side



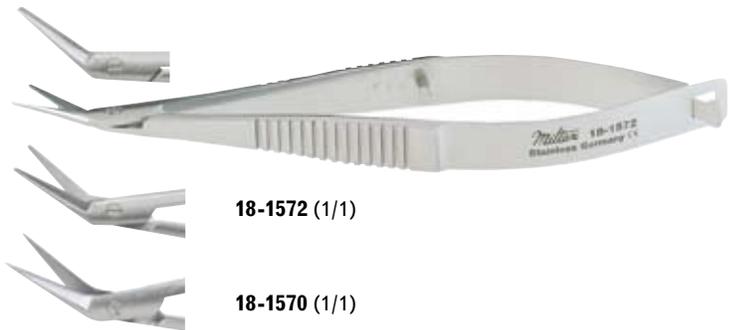
**18-1581** (1/1)

**CASTROVIEJO Corneal Scissors**

angled blades 11 mm

**18-1572** 3-3/4" (9.5 cm), blunt tips (corneal)

**18-1570** 3-3/4" (9.5 cm), sharp tips (keratoplasty)



**18-1572** (1/1)

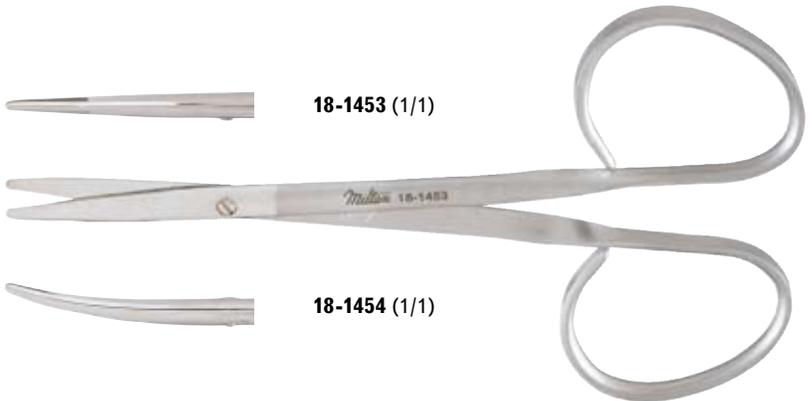
**18-1570** (1/1)

**STRABISMUS Scissors**

ribbon type, rounded blades, blunt tips

**18-1453** 4-1/4" (10.8 cm), straight

**18-1454** 4-1/4" (10.8 cm), curved



**18-1453** (1/1)

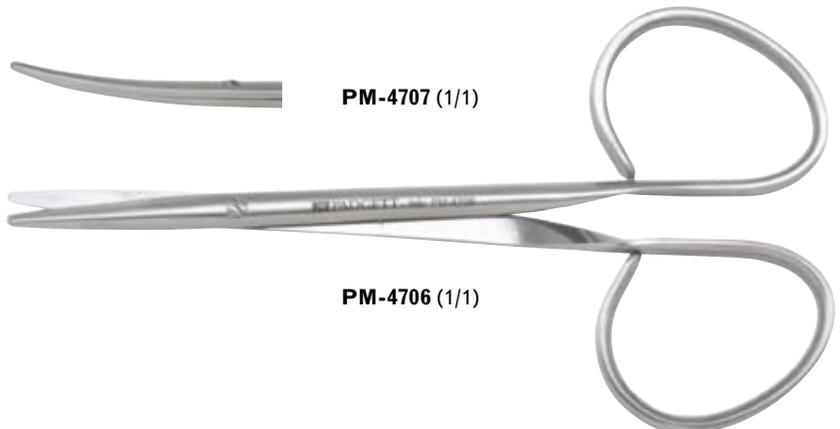
**18-1454** (1/1)

**PADGETT™ Strabismus Scissors**

ribbon type, rounded blades, blunt tips

**PM-4706\*** 4-1/8" (10.5 cm), straight

**PM-4707\*** 4-1/8" (10.5 cm), curved

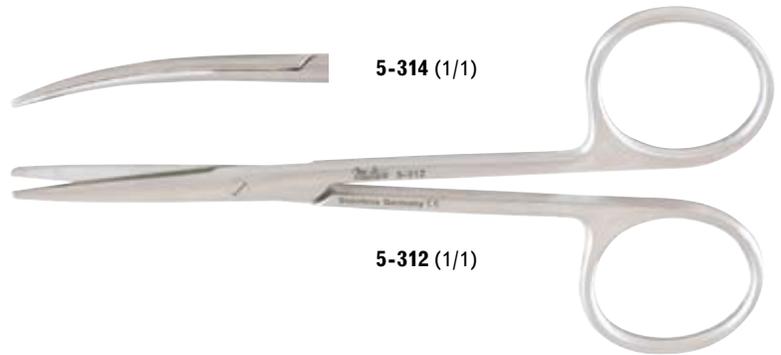


**PM-4707** (1/1)

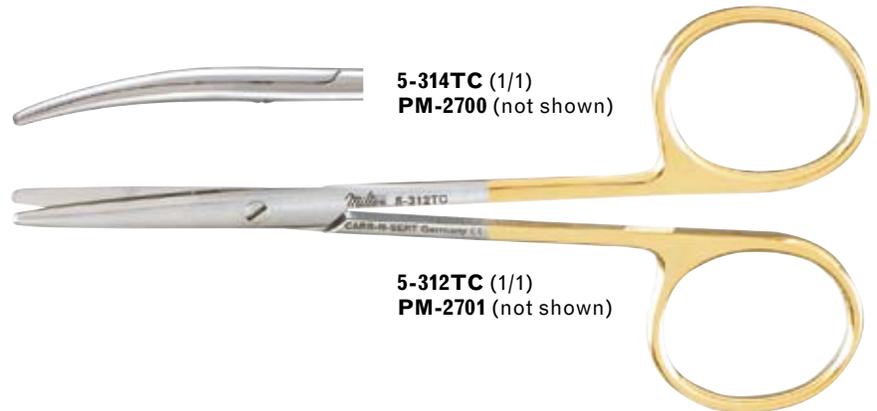
**PM-4706** (1/1)

**STRABISMUS Scissors**

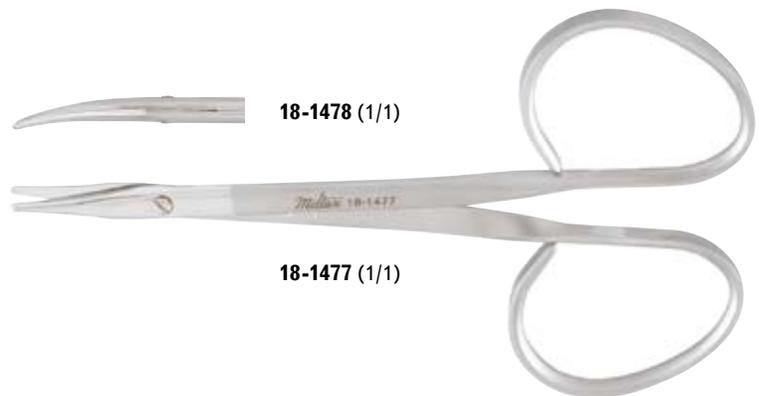
rounded blades, blunt tips

**5-312** 4" (10.2 cm), straight**5-314** 4" (10.2 cm), curved**STRABISMUS Scissors, Tungsten Carbide**

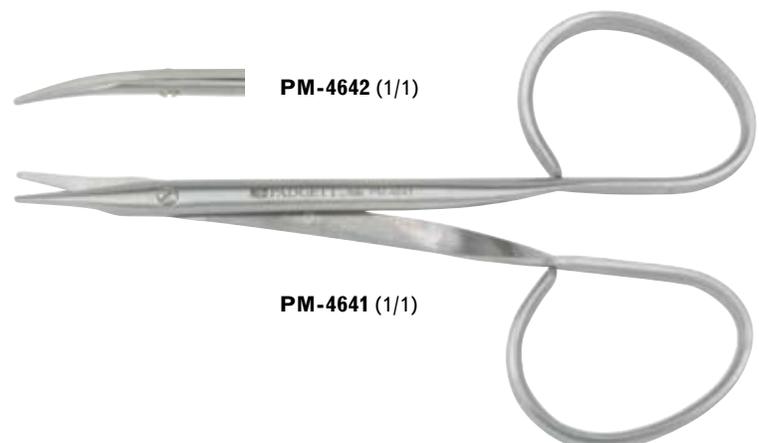
rounded blades, blunt tips

**5-312TC** 4-1/2" (11.4 cm), straight**5-314TC** 4-1/2" (11.4 cm), curved**PM-2701\*** 4-1/2" (11.4 cm), straight**PM-2700\*** 4-1/2" (11.4 cm), curved**STEVENS Tenotomy Scissors**

blunt tips, ribbon type

**18-1477** 3-3/4" (9.5 cm), straight**18-1478** 3-3/4" (9.5 cm), curved**PADGETT-STEVENS Tenotomy Scissors**

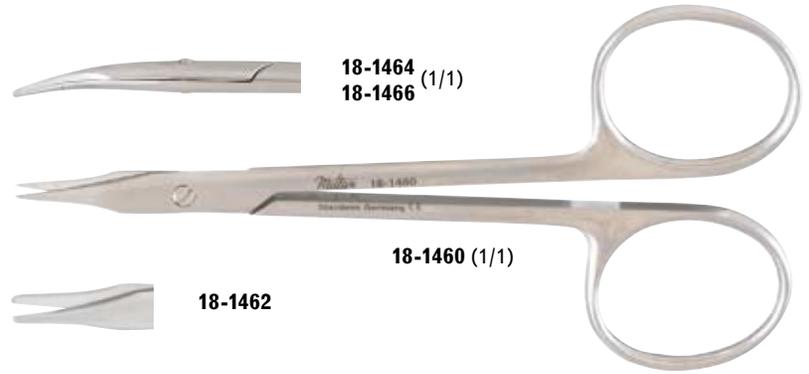
blunt tips, ribbon type

**PM-4641\*** 3-3/4" (9.5 cm), straight**PM-4642\*** 3-3/4" (9.5 cm), curved

**STEVENS Tenotomy Scissors**

short blades

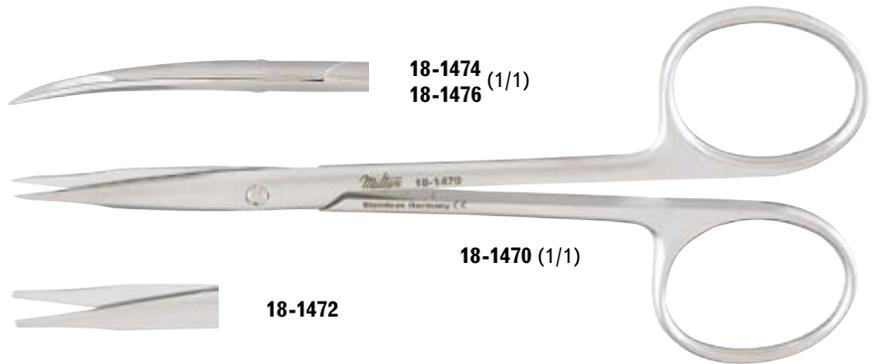
- 18-1460** 4-1/8" (10.5 cm), straight, sharp tips
- 18-1464** 4-1/8" (10.5 cm), curved, sharp tips
- 18-1462** 4-1/8" (10.5 cm), straight, blunt tips
- 18-1466** 4-1/8" (10.5 cm), curved, blunt tips



**STEVENS Tenotomy Scissors**

long blades

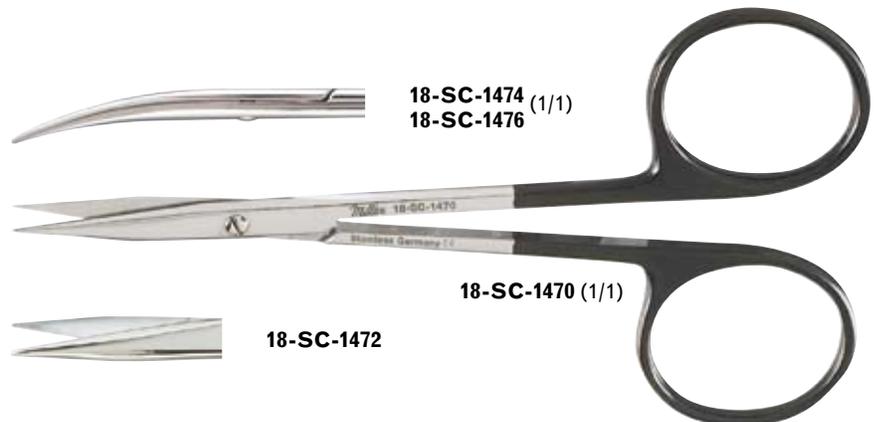
- 18-1470** 4-1/2" (11.4 cm), straight, sharp tips
- 18-1474** 4-1/2" (11.4 cm), curved, sharp tips
- 18-1472** 4-1/2" (11.4 cm), straight, blunt tips
- 18-1476** 4-1/2" (11.4 cm), curved, blunt tips



**STEVENS Tenotomy Scissors, SuperCut**

long blades, one micro fine serrated blade

- 18-SC-1470** 4-1/2" (11.4 cm), straight, sharp tips
- 18-SC-1474** 4-1/2" (11.4 cm), curved, sharp tips
- 18-SC-1472** 4-1/2" (11.4 cm), straight, blunt tips
- 18-SC-1476** 4-1/2" (11.4 cm), curved, blunt tips



**STEVENS Tenotomy Scissors, SuperCut**

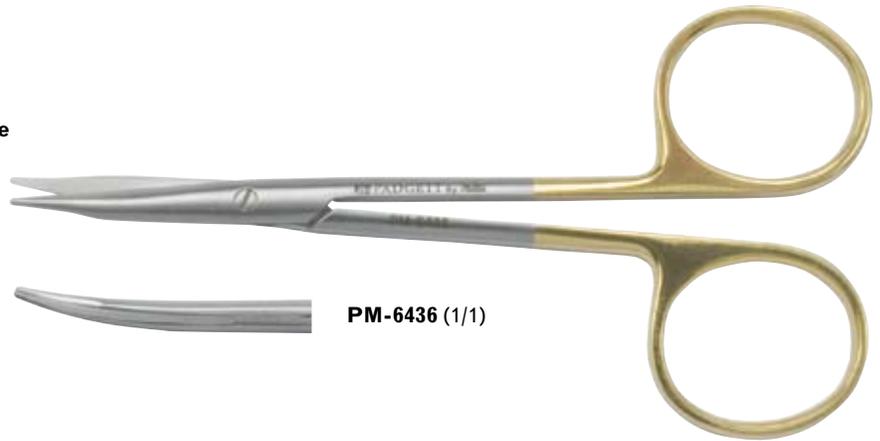
long blades, one micro fine serrated blade

- PM-6860\*** 4-1/2" (11.4 cm), curved, semi-sharp tips

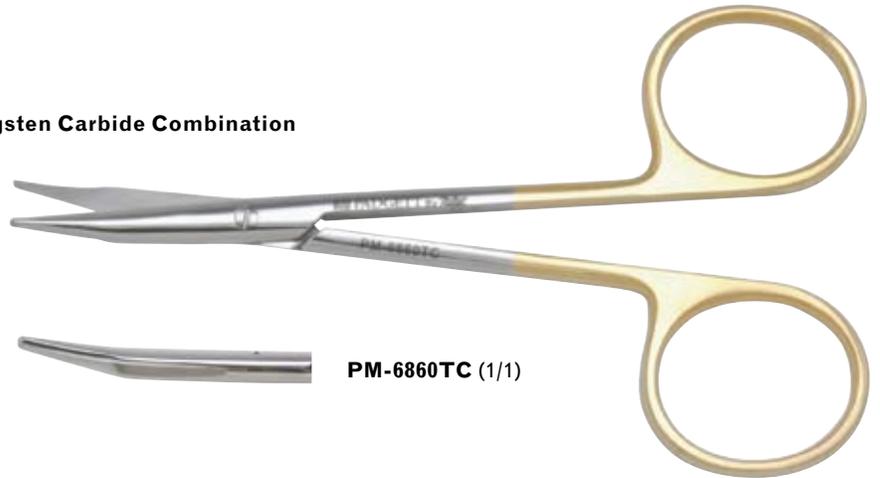


**STEVENS Tenotomy Scissors, Tungsten Carbide**

long blades, semi-sharp tips

**PM-6436\*** 4-1/2" (11.4 cm), curved**PM-6436 (1/1)****STEVENS Tenotomy Scissors, SuperCut & Tungsten Carbide Combination**

long blades, blunt tips, one micro fine serrated blade

**PM-6860TC\*** 4-1/2" (11.4 cm), curved**PM-6860TC (1/1)****PADGETT-STEVEN'S Tenotomy Scissors, Tungsten Carbide**

long blades, sharp tips, one serrated blade

**PM-4843\*** 5" (12.7 cm), curved**PM-4843 (1/1)****STEVENS Tenotomy Scissors**

long blades, blunt tips

**18-1455** 5-1/2" (14.0 cm), curved**18-1456** 6-1/4" (15.9 cm), curved**18-1455 (1/1)**  
**18-1456 (not shown)**

**WESTCOTT Tenotomy Scissors**

medium blades, curved  
**18-1489** 4-1/2" (11.4 cm), blunt tips



**18-1489**(1/1)

**WESTCOTT Tenotomy Scissors**

wide handles, curved, blunt tips

**18-1488** 5-1/4" (13.3 cm), left  
**18-1487** 5-1/4" (13.3 cm), right



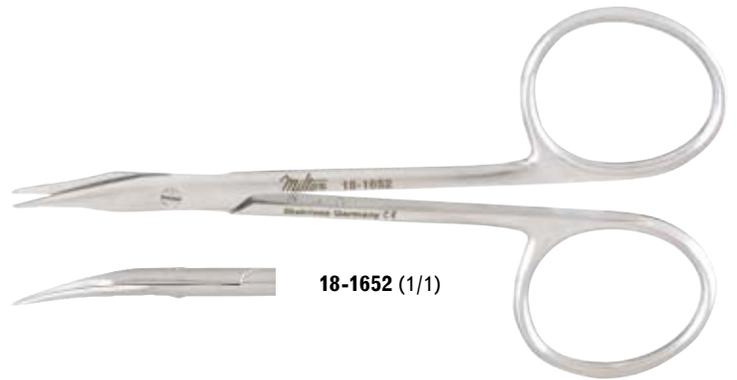
**18-1488** (1/1)



**18-1487** (1/1)

**GRADLE Scissors**

slightly curved  
**18-1652** 3-3/4" (9.5 cm), sharp tips



**18-1652** (1/1)

**GRADLE Scissors, SuperCut**

slightly curved, one micro fine serrated blade  
**18-SC-1652** 3-3/4" (9.5 cm), blunt tips

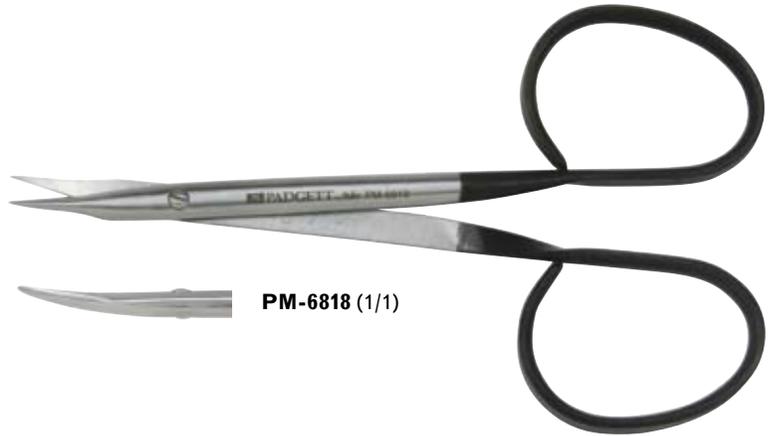


**18-SC-1652** (1/1)

**GRADLE Scissors, SuperCut**

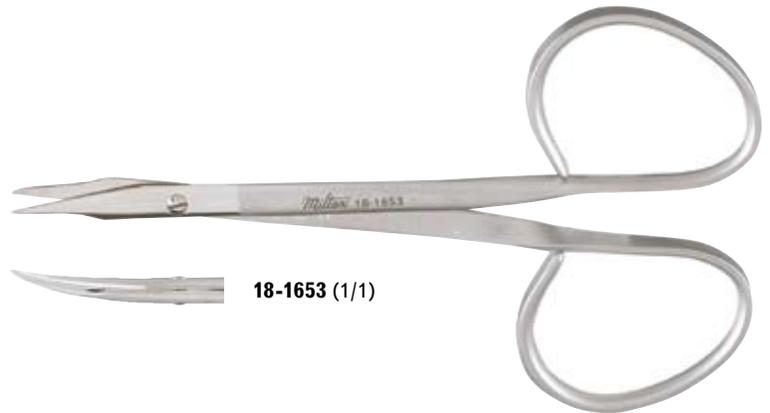
ribbon type, slightly curved, one micro fine serrated blade

**PM-6818\*** 4" (10.2 cm), sharp tips

**PM-6818 (1/1)****EYE SUTURE Scissors**

ribbon type, slightly curved

**18-1653** 4" (10.2 cm), sharp tips

**18-1653 (1/1)****IRIS Scissors**

sharp tips, small blades

**18-1410** 4-1/8" (10.5 cm), straight

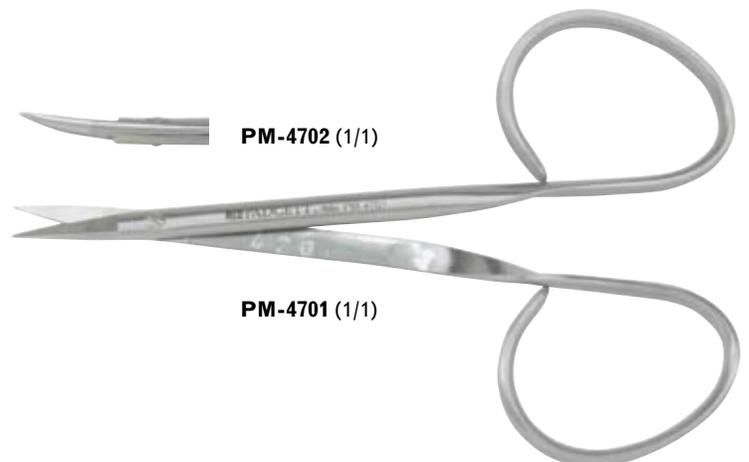
**18-1409** 4-1/8" (10.5 cm), curved

**18-1409 (1/1)****18-1410 (1/1)****PADGETT™ Iris Scissors**

ribbon type, delicate short blades, sharp tips

**PM-4701\*** 3-3/4" (9.5 cm), straight

**PM-4702\*** 3-3/4" (9.5 cm), curved

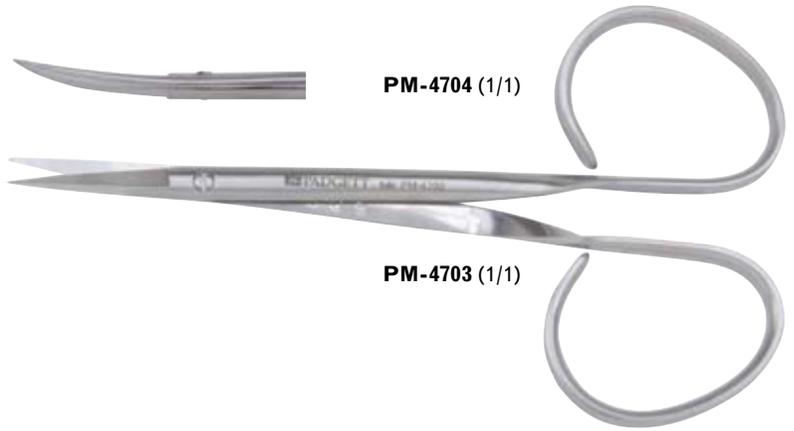
**PM-4702 (1/1)****PM-4701 (1/1)**

**PADGETT™ Iris Scissors**

delicate long blades, sharp tips

**PM-4703\*** 3-3/4" (9.5 cm), straight

**PM-4704\*** 3-3/4" (9.5 cm), curved



**PM-4704** (1/1)

**PM-4703** (1/1)

**MILTEX-VANNAS Scissors**

sharp tips, extra thin 7 mm long rounded blades

**18-1636** 4" (10.2 cm), straight

**18-1635** 4" (10.2 cm), curved



**18-1635** (1/1)

**18-1636** (1/1)

**MILTEX-VANNAS Scissors**

sharp tips, extra thin 10 mm long rounded blades

**18-1637** 4-1/4" (10.8 cm), straight

**18-1638** 4-1/4" (10.8 cm), curved



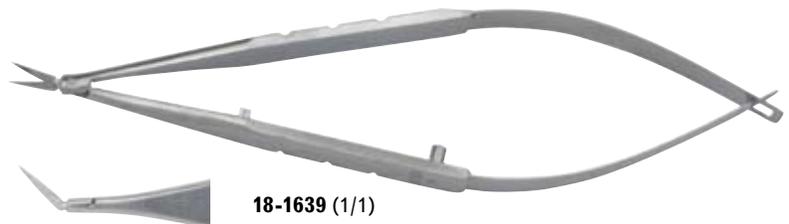
**18-1638** (1/1)

**18-1637** (1/1)

**GILLS-VANNAS Scissors**

sharp tips, extra thin 7 mm long rounded blades

**18-1639** 4" (10.2 cm) angled forward



**18-1639** (1/1)

**McPHERSON-VANNAS Micro Iris Scissors**

sharp tips

**18-1625** 3-1/4" (8.3 cm), straight**18-1626** 3-1/4" (8.3 cm), curved**18-1626** (1/1)**18-1625** (1/1)**Micro VANNAS Scissors**

sharp tips, ultrafine triangular arrow shaped blades

**18-1630** 3-1/4" (8.3 cm), straight**18-1631** 3-1/4" (8.3 cm), curved**18-1631** (1/1)**18-1630** (1/1)**STERN-GILLS Scissors**

sharp tips, extra thin 10 mm long rounded blades

**18-1640** 4-1/8" (10.5 cm), straight, angled forward**18-1640** (1/1)**URIBE-STERN Scissors**

sharp tips, extra thin 10 mm long rounded blades

**18-1641** 4-1/8" (10.5 cm), curved, angled forward**18-1641** (1/1)

**NOYES Iris Scissors**

straight

**18-1514** 4-1/2" (11.4 cm), blunt/blunt tips

**18-1512** 4-1/2" (11.4 cm), sharp/blunt tips

**18-1510** 4-1/2" (11.4 cm), sharp/sharp tips



**18-1514** (1/1)



**18-1512** (1/1)



**18-1510** (1/1)

**NOYES (ROSS) Iris Scissors**

curved

**18-1516** 4-1/2" (11.4 cm), sharp/sharp tips



**18-1516** (1/1)

**PADGETT™ Iris Scissors**

**PM-4246\*** 4-1/2" (11.4 cm), straight, sharp/blunt tips

**PM-4249\*** 4-1/2" (11.4 cm), curved, sharp/blunt tips

**PM-4247\*** 4-1/2" (11.4 cm), straight, blunt/blunt tips

**PM-4250\*** 4-1/2" (11.4 cm), curved, blunt/blunt tips



**PM-4249** (1/1)

**PM-4246** (1/1)

**PM-4247** (1/1)

**PM-4250** (1/1)

**BARRAQUER Iris Scissors**

7 mm blades, angled

**18-1520** 2-1/4" (5.7 cm), sharp tips

**18-1521** 2-1/4" (5.7 cm), blunt tips



**18-1520** (1/1)

**18-1521** (not shown)

**DeWECKER Iris Scissors**

7 mm blades, sharp tips

**18-1524** 4-1/4" (10.8 cm), angled**18-1524** (1/1)**McCLURE Iris Scissors**

4 mm blades with delicate sharp tips

**18-1550** 3-3/4" (9.5 cm), angled to side**18-1550** (1/1)**McCLURE Iris Scissors**

delicate 4 mm blades with sharp tips

**18-1552** 3-3/4" (9.5 cm), angled on flat**18-1552** (1/1)**McCLURE Iris Scissors**

regular 10 mm blades with sharp tips

**18-1554** 4-1/2" (11.4 cm), angled on flat**18-1554** (1/1)

**MICRO Iris Scissors**

sharp tips

**18-1618** 4" (10.2 cm), straight

**18-1619** 4" (10.2 cm), curved



**18-1619** (1/1)



**18-1618** (1/1)

**MICRO Scissors**

super fine blades

**18-1633** 3-1/4" (8.3 cm), straight

**18-1634** 3-1/4" (8.3 cm), curved



**18-1634** (1/1)



**18-1633** (1/1)

**MILTEX® Iris Scissors**

heavy pattern

**18-1404** 4" (10.2 cm), straight

**18-1405** 4" (10.2 cm), curved



**18-1405** (1/1)



**18-1404** (1/1)

**PADGETT™ Iris Scissors, Tungsten Carbide**

sharp tips, rounded blades

**PM-2706\*** 4-1/2" (11.4 cm), straight

**PM-2705\*** 4-1/2" (11.4 cm), curved



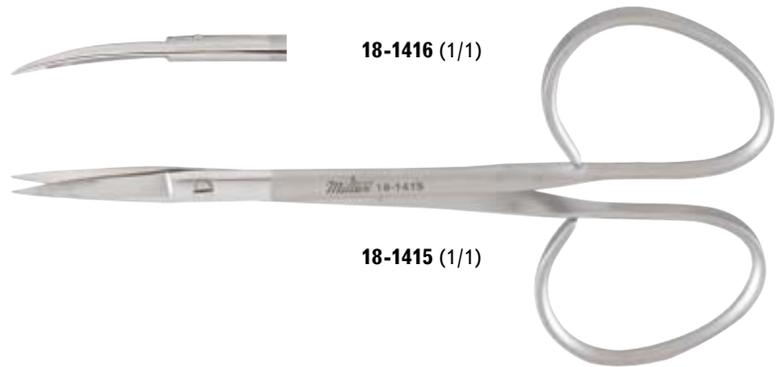
**PM-2705** (1/1)



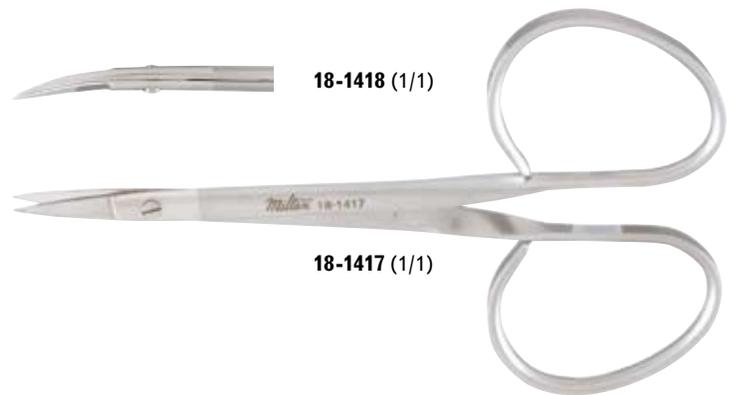
**PM-2706** (1/1)

**IRIS Scissors**

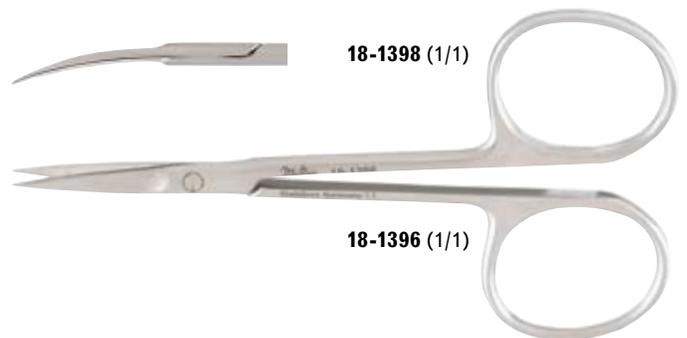
ribbon type, standard pattern, sharp tips

**18-1415** 4" (10.2 cm), straight**18-1416** 4" (10.2 cm), curved**18-1416** (1/1)**18-1415** (1/1)**IRIS Scissors**

ribbon type, miniature pattern with 14 mm blades, sharp tips

**18-1417** 3-3/4" (9.5 cm), straight**18-1418** 3-3/4" (9.5 cm), curved**18-1418** (1/1)**18-1417** (1/1)**IRIS Scissors**

delicate, with 20 mm blades, sharp tips

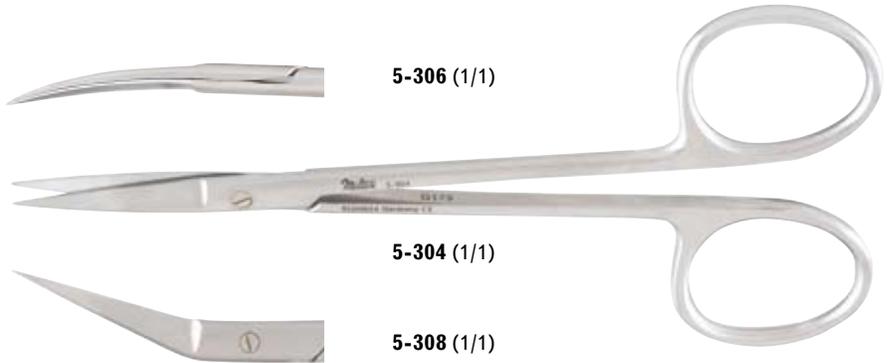
**18-1396** 3-1/2" (8.9 cm), straight**18-1398** 3-1/2" (8.9 cm), curved**18-1398** (1/1)**18-1396** (1/1)**IRIS Scissors**

sharp tips

**5-300** 4" (10.2 cm), straight**5-302** 4" (10.2 cm), curved**5-302** (1/1)**5-300** (1/1)

**IRIS Scissors**

- 5-304** 4-1/2" (11.4 cm), straight
- 5-306** 4-1/2" (11.4 cm), curved
- 5-308** 4-1/2" (11.4 cm), angled on side



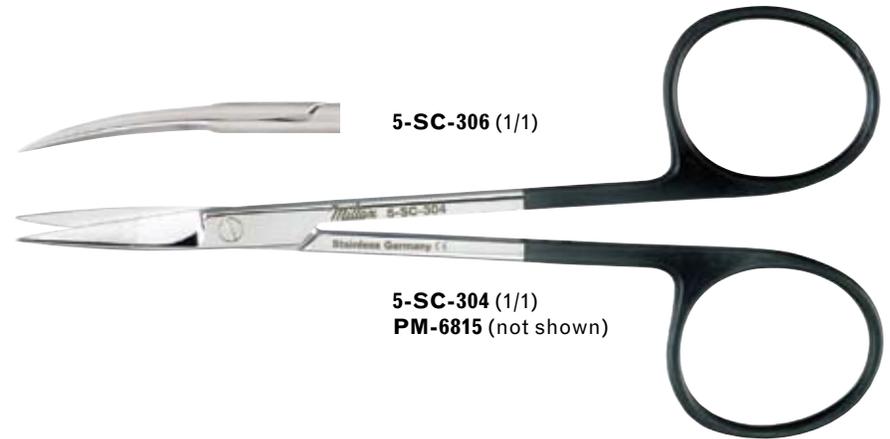
**IRIS Scissors, Tungsten Carbide**

- 5-304TC** 4-1/2" (11.4 cm), straight
- 5-306TC** 4-1/2" (11.4 cm), curved



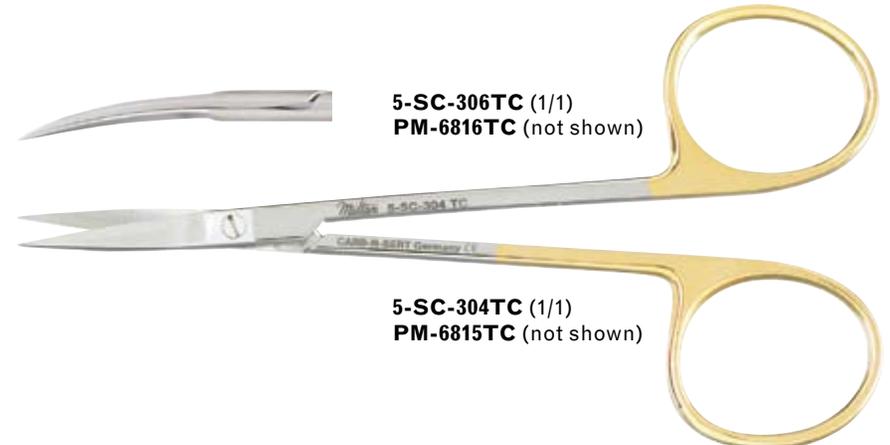
**IRIS Scissors, SuperCut**

- one micro fine serrated blade
- 5-SC-304** 4-1/2" (11.4 cm), straight
- 5-SC-306** 4-1/2" (11.4 cm), curved
- PM-6815\*** 4-1/2" (11.4 cm), straight



**IRIS Scissors, SuperCut & Tungsten Carbide**

- one micro fine serrated blade
- 5-SC-304TC** 4-1/2" (11.4 cm), straight
- 5-SC-306TC** 4-1/2" (11.4 cm), curved
- PM-6815TC\*** 4-1/2" (11.4 cm), straight
- PM-6816TC\*** 4-1/2" (11.4 cm), curved



**IRIS Utility Scissors**

ribbon type, 15 mm blades, blunt tips  
**18-1419** 3-3/4" (9.5 cm), curved

**18-1419** (1/1)**HOOD Iris Scissors, Tungsten Carbide**

sharp tips, square shanks

**PM-4772\*** 4-1/2" (11.4 cm), straight

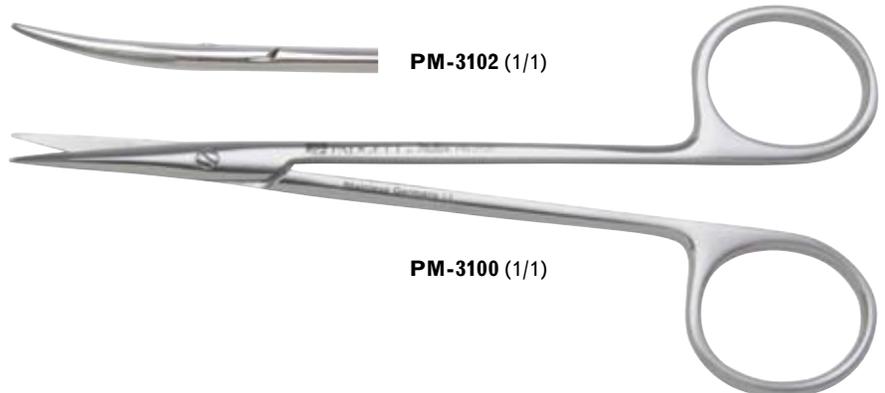
**PM-4773\*** 4-1/2" (11.4 cm), curved

**PM-4773** (1/1)**PM-4772** (1/1)**THOMAS Iris Scissors**

delicate blades, semi-sharp tips

**PM-3100\*** 4-1/2" (11.4 cm), straight

**PM-3102\*** 4-1/2" (11.4 cm), curved

**PM-3102** (1/1)**PM-3100** (1/1)**WALKER Iris Scissors**

sharp tips

**PM-4635\*** 4-1/2" (11.4 cm), curved to side

**PM-4635** (1/1)

**GRAUL Iris Scissors**

delicate blades, sharp tips, large finger rings

**PM-4931\*** 4" (10.2 cm), straight

**PM-4930\*** 4" (10.2 cm), curved



**KNAPP Iris Scissors**

**18-1420** 4" (10.2 cm), straight, sharp/blunt tips

**18-1426** 4" (10.2 cm), curved, sharp/blunt tips

**18-1422** 4" (10.2 cm), straight, blunt/blunt tips

**18-1428** 4" (10.2 cm), curved, blunt/blunt tips

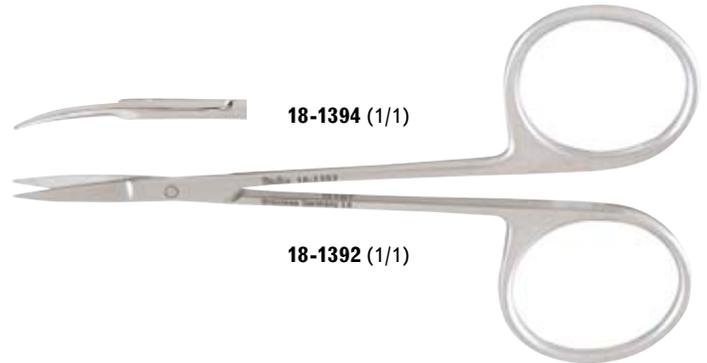


**BONN Miniature Iris Scissors**

with 15 mm blades, sharp tips

**18-1392** 3-1/2" (8.9 cm), straight

**18-1394** 3-1/2" (8.9 cm), curved



**EYE Scissors**

with probe tips

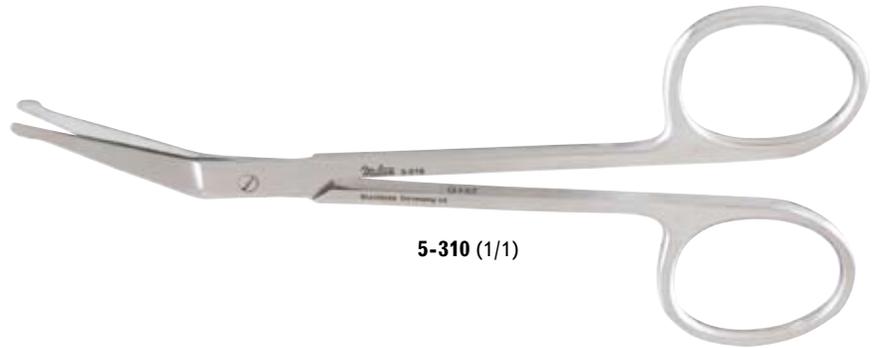
**18-1430** 4" (10.2 cm), straight

**18-1432** 4" (10.2 cm), curved



**EYE Scissors**

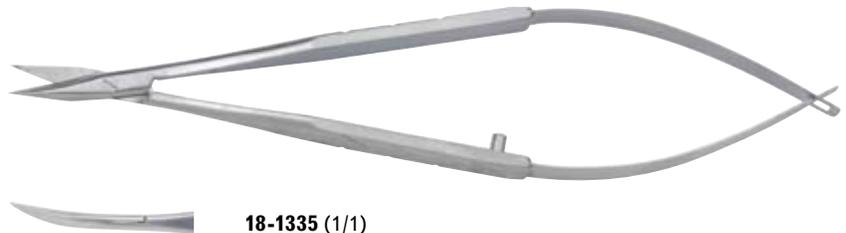
with probe tips

**5-310** 4-1/2" (11.4 cm), angled on side**5-310** (1/1)**IRIS Operating Scissors**

sharp tips

**5D-303** 4-1/2" (11.4 cm), curved sideways**5D-303** (1/1)**JAFFE Stitch Scissors**

very sharp pointed tips, medium rounded blades

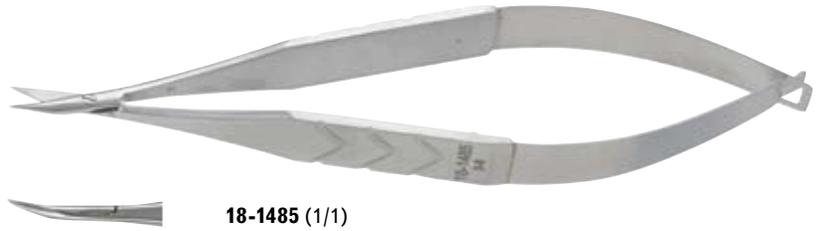
**18-1335** 4-1/4" (10.8 cm), curved**18-1335** (1/1)**FINE Stitch Scissors**

sharp tips, medium blades

**18-1433** 4-1/2" (11.4 cm), straight**18-1434** 4-1/2" (11.4 cm), curved**18-1433** (1/1)

**McPHERSON-WESTCOTT Stitch Scissors**

very sharp tips, small blades

**18-1485** 4-1/8" (10.5 cm), curved**18-1485 (1/1)****EYE SUTURE (GRADLE) Scissors**

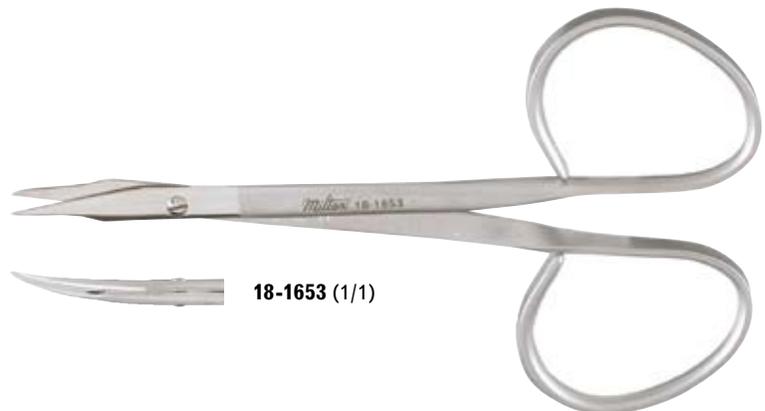
sharp tips

**18-1652** 3-3/4" (9.5 cm), slightly curved**18-1652 (1/1)****EYE SUTURE (GRADLE) Scissors, SuperCut**

blunt tips, one micro fine serrated blade

**18-SC-1652** 3-3/4" (9.5 cm), slightly curved**18-SC-1652 (1/1)****EYE Suture Scissors**

ribbon type, sharp tips

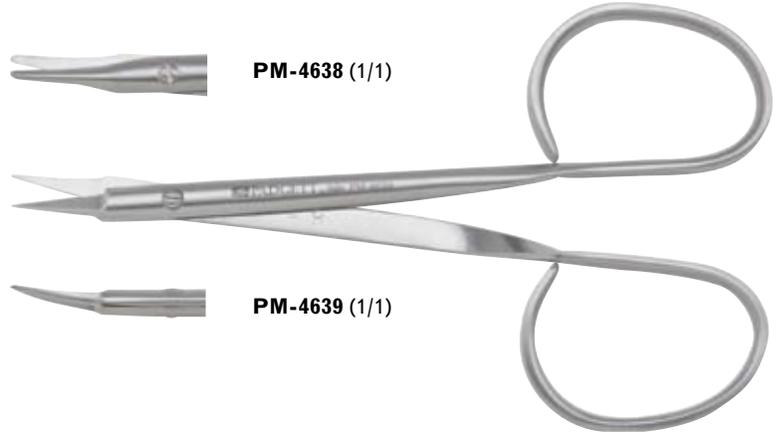
**18-1653** 4" (10.2 cm), slightly curved**18-1653 (1/1)**

**HAYNES Suture Scissors**

ribbon type, sharp tips

**PM-4648\*** 4-3/8" (11.1 cm), curved**PM-4648 (1/1)****PADGETT™ Suture/Stitch Scissors**

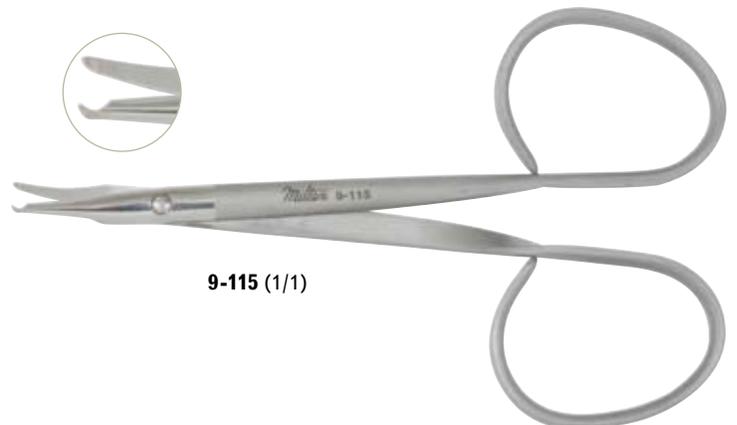
ribbon type, short blades, curved

**PM-4638\*** 3-7/8" (9.8 cm), blunt tips, rounded blades**PM-4639\*** 3-7/8" (9.8 cm), sharp tips, flat blades**PM-4638 (1/1)****PM-4639 (1/1)****MILTEX® Stitch Scissors**

ribbon type, sharp tips

**9-116** 3-7/8" (9.8 cm), curved**9-117** 4-1/2" (11.4 cm), curved**9-116 (1/1)****9-117 (not shown)****REEH Stitch Scissors**

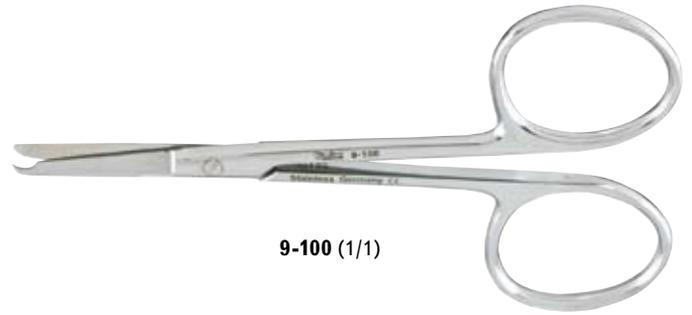
ribbon type, sharp tips with extra delicate hook at the end of one blade

**9-115** 3-3/4" (9.5 cm)**9-115 (1/1)**

**SPENCER Stitch Scissors**

delicate, with hook

**9-100** 3-1/2" (8.9 cm), straight



**9-100** (1/1)

**SPENCER Stitch Scissors**

delicate, with hook

**PM-6751\*** 3-1/2" (8.9 cm), curved on flat



**PM-6751** (1/1)

**SHORTBENT Stitch Scissors**

delicate, with hook

**9-101** 3-1/2" (8.9 cm), curved



**9-101** (1/1)

**O'BRIEN Stitch Scissors**

sharp tips

**9-110** 3-3/4" (9.5 cm), angled

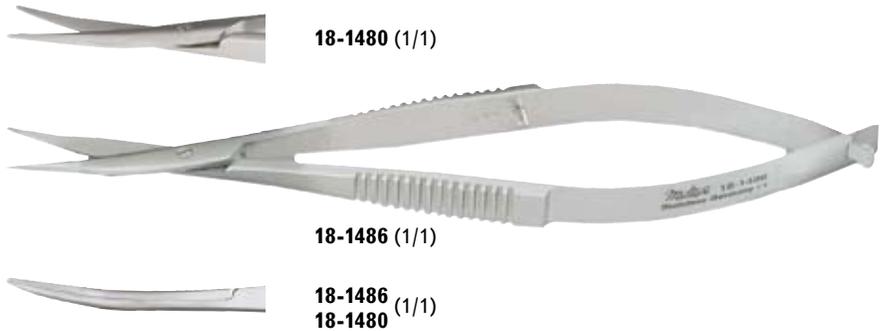


**9-110** (1/1)

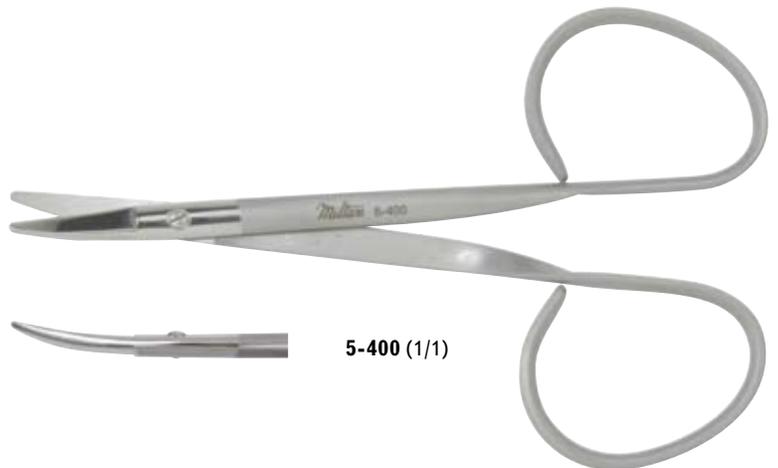
**HOOD Micro Stitch Scissors**  
sharp tips  
**PM-4956\*** 4-1/2" (11.4 cm), curved



**WESTCOTT Stitch Scissors**  
curved  
**18-1486** 4-1/2" (11.4 cm), sharp tips  
**18-1480** 4-1/2" (11.4 cm), blunt tips



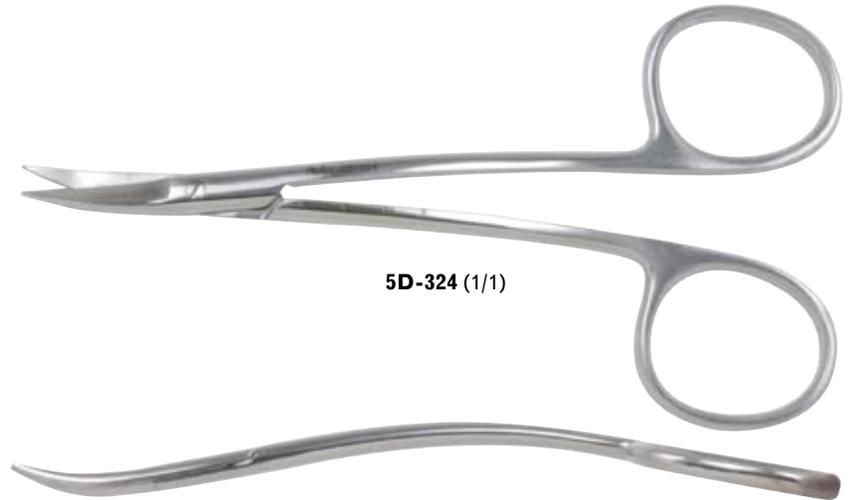
**MILTEX® Utility Scissors**  
ribbon type, blunt tips  
**5-400** 4" (10.2 cm), curved



**MOSBY Utility Scissors**  
sharp tips  
**PM-4718\*** 3-3/4" (9.5 cm), curved



**LA GRANGE Sclerectomy Scissors**  
sharp tips, one serrated blade, S-shape  
**5D-324** 4-1/4" (10.8 cm), curved



**5D-324 (1/1)**

**HOOD Micro Dissecting Scissors**  
sharp tips  
**PM-4958\*** 4" (10.2 cm), straight  
**PM-4957\*** 4" (10.2 cm), curved

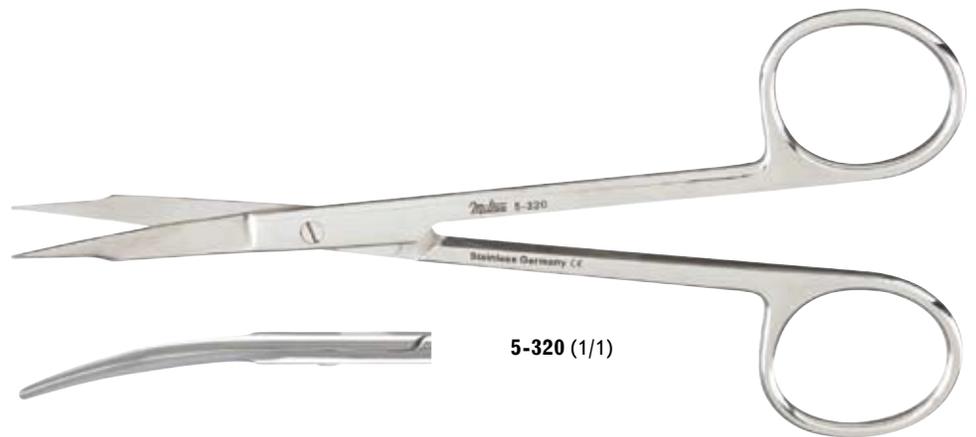


**PM-4957 (1/1)**



**PM-4958 (1/1)**

**GOLDMAN-FOX Scissors**  
fine blunt tips, one serrated blade  
**5-320** 5" (12.7 cm), curved



**5-320 (1/1)**

**GOLDMAN-FOX Scissors, Tungsten Carbide**  
fine blunt tips, one serrated blade  
**5-320TC** 5" (12.7 cm), curved



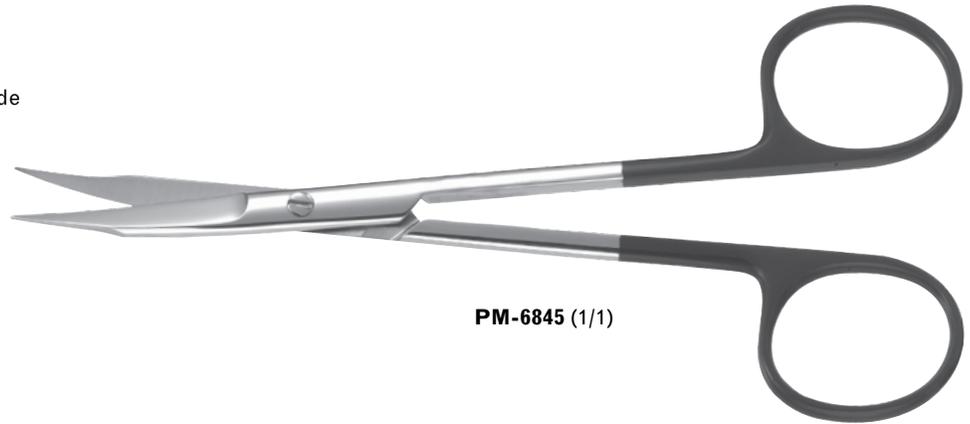
**5-320TC (1/1)**

**GOLDMAN-FOX Scissors, SuperCut**  
fine blunt tips, one micro fine serrated blade  
**5-SC-320** 5" (12.7 cm), curved



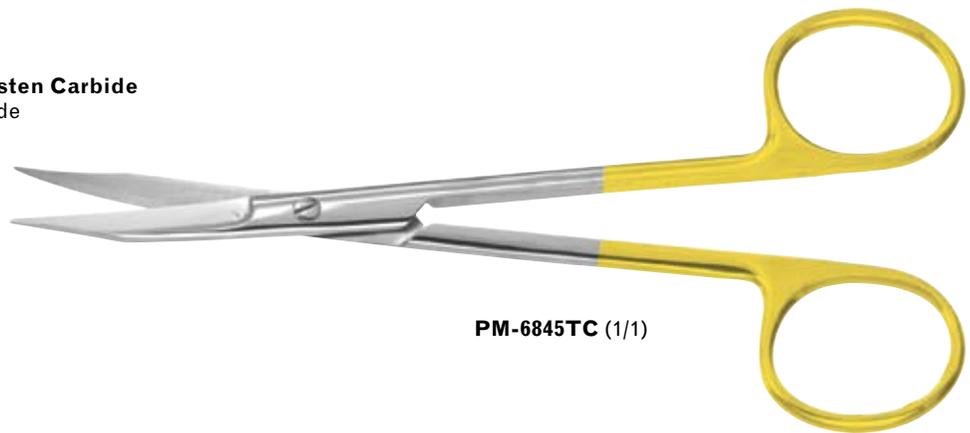
**5-SC-320 (1/1)**

**REYNOLDS Scissors, SuperCut**  
semi-sharp tips, one micro fine serrated blade  
**PM-6845\*** 5" (12.7 cm), curved



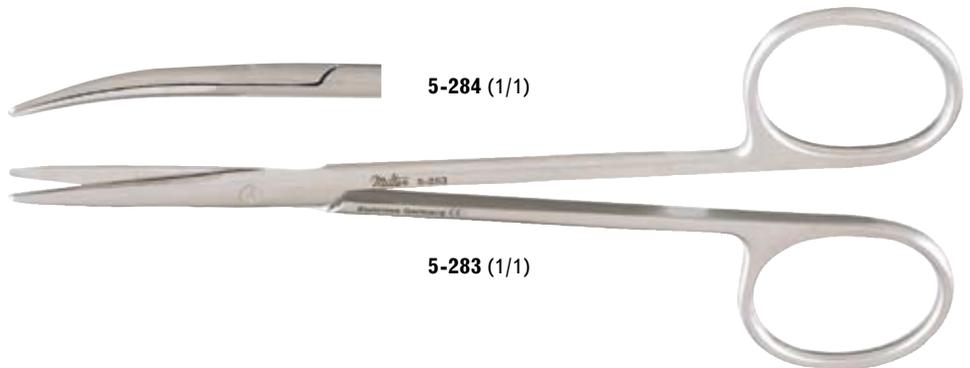
**PM-6845 (1/1)**

**REYNOLDS Scissors, SuperCut & Tungsten Carbide**  
semi-sharp tips, one micro fine serrated blade  
**PM-6845TC\*** 5" (12.7 cm), curved



**PM-6845TC (1/1)**

**METZENBAUM Scissors**  
delicate  
**5-283** 5" (12.7 cm), straight  
**5-284** 5" (12.7 cm), curved



**5-284 (1/1)**

**5-283 (1/1)**

**METZENBAUM Scissors, SuperCut**

delicate, one micro fine serrated blade

**5-SC-283** 4-1/2" (11.4 cm), straight

**5-SC-284** 4-1/2" (11.4 cm), curved



**5-SC-284** (1/1)

**5-SC-283** (1/1)

**RAGNELL (KILNER) Scissors**

blunt flattened tip

**5-290** 5" (12.7 cm), curved



**5-290** (1/1)

**RAGNELL (KILNER) Scissors, SuperCut**

blunt flattened tip, one micro fine serrated blade

**5-SC-290** 5" (12.7 cm), curved



**5-SC-290** (1/1)

**PAR Tissue & Dissecting Scissors, SuperCut**

delicate blades with blunt tips, one micro fine serrated blade

**21-SC-745** 4-1/2" (11.4 cm), curved

**PM-6855\*** 4-1/2" (11.4 cm), curved

**PM-6856\*** 5-1/2" (14.0 cm), curved



**21-SC-745** (1/1)

**PM-6855 & PM-6856** (not shown)

**PAR Tissue & Dissecting Scissors, Tungsten Carbide**

delicate blades with blunt tips

**PM-2930\*** 4-1/2" (11.4 cm), curved**PM-2911\*** 5-3/4" (14.6 cm), curved**PM-2930 (1/1)**  
**PM-2911 (not shown)****PAR Tissue & Dissecting Scissors, SuperCut & Tungsten Carbide**

delicate blades with blunt tips, one micro fine serrated blade

**PM-6855TC\*** 4-1/2" (11.4 cm), curved**PM-6856TC\*** 5-1/2" (14.0 cm), curved**PM-6855TC (1/1)**  
**PM-6856TC (not shown)****GREENBERG PAR Tissue & Dissecting Scissors, Tungsten Carbide**

delicate blades with blunt tips, one serrated blade

**PM-2908\*** 4-1/2" (11.4 cm), curved**PM-2908 (1/1)****KAYE Blepharoplasty/Dissecting Scissors, Tungsten Carbide**

one serrated blade

**5-269TC** 4-1/2" (11.4 cm), curved**PM-29065\*** 4-1/2" (11.4 cm), curved**5-269TC (1/1)**  
**PM-29065 (not shown)**

**JABALEY Scissors, SuperCut**

semi-sharp tips, angled open shanks,  
one micro fine serrated blade

**PM-6863\*** 4-1/2" (11.4 cm), straight

**PM-6862\*** 4-1/2" (11.4 cm), curved

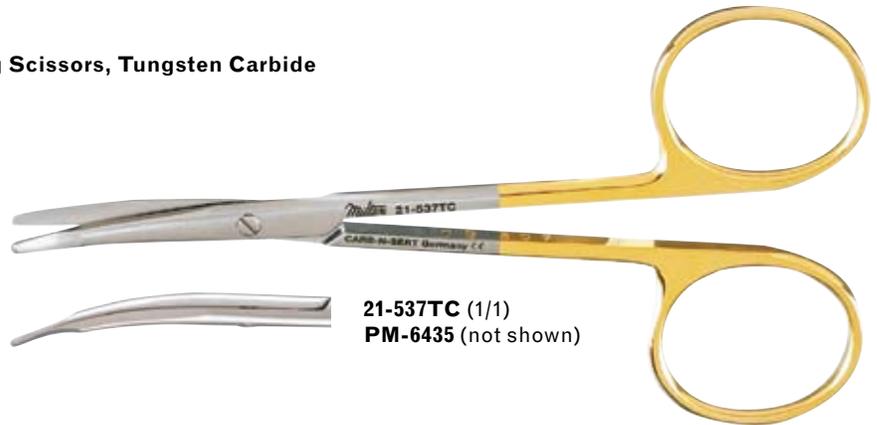


**MILTEX® & Padgett™ Blepharoplasty/Dissecting Scissors, Tungsten Carbide**

delicate flat tips, one serrated blade

**21-537TC** 4-1/2" (11.4 cm), curved

**PM-6435\*** 4-1/2" (11.4 cm), curved

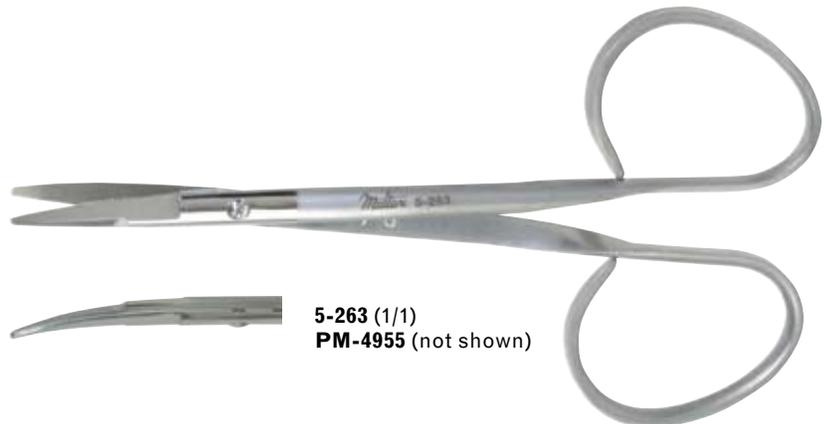


**KAYE Blepharoplasty & Fine Dissecting Scissors**

ribbon type, one serrated blade

**5-263** 4-1/4" (10.8 cm), curved

**PM-4955\*** 4-1/4" (10.8 cm), curved



# NEEDLE HOLDERS



**BARRAQUER Needle Holder**

delicate smooth jaws

**18-1852** 5-1/2" (14 cm), straight, with lock

**18-1853** 5-1/2" (14 cm), curved, with lock

**18-1850** 5-1/2" (14 cm), straight, without lock

**18-1854** 5-1/2" (14 cm), curved, without lock



**18-1853** (1/1)

**18-1854** (not shown)



**18-1852** (1/1)

**18-1850** (not shown)

**BARRAQUER Needle Holder**

curved, standard smooth jaws

**18-1856** 5-1/2" (14 cm), with lock

**18-1857** 5-1/2" (14 cm), without lock



**18-1856** (1/1)

**18-1857** (not shown)



**BARRAQUER Needle Holder**

curved, smooth jaws,

10 mm wide hollow round handle

**18-1839** 5" (12.7 cm), with lock

**18-1838** 5" (12.7 cm), without lock



**18-1839** (1/1)

**18-1838** (not shown)

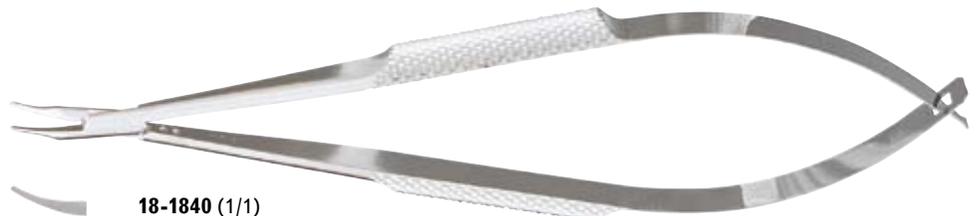


**BARRAQUER Needle Holder**

curved, smooth delicate tapered jaws,

8 mm wide solid round handle

**18-1840** 5-1/8" (13 cm), without lock



**18-1840** (1/1)



**DREWS Needle Holder**

extra delicate smooth jaws

**18-1860** 4" (10.2 cm), straight, without lock

**18-1861** 4" (10.2 cm), curved, without lock

**18-1862** 4" (10.2 cm), straight, with lock

**18-1863** 4" (10.2 cm), curved, with lock



**18-1860** (1/1)

**18-1862** (not shown)



**18-1863** (1/1)

**18-1861** (not shown)



**18-1865** (1/1)

**McPHERSON Needle Holder**

very delicate smooth jaws, without lock

**18-1864** 4-1/2" (11.4 cm), straight

**18-1865** 4-1/2" (11.4 cm), curved



**18-1864** (1/1)

**McPHERSON Needle Holder**

very delicate smooth jaws, with lock

**18-1866** 4-1/2" (11.4 cm), straight

**18-1867** 4-1/2" (11.4 cm), curved



**18-1866** (1/1)

**18-1867** (not shown)

**McPHERSON Needle Holder for Microsurgery**

smooth tapered jaws, with lock

**18-1837** 4" (10.2 cm), curved



**18-1837** (1/1)

**MILTEX® Micro Surgery Needle Holders**

curved, smooth jaws with 0.6 mm tips,  
hollow round handles

- 17-1000** 5-1/4" (13.3 cm), without lock
- 17-1020** 5-1/4" (13.3 cm), with lock



**CASTROVIEJO Needle Holder**

smooth jaws, without lock

- 18-1820** 5-1/2" (14 cm), straight
- 18-1824** 5-1/2" (14 cm), curved



**CASTROVIEJO Needle Holder**

smooth jaws, with lock

- 18-1828** 5-1/2" (14 cm), straight
- 18-1832** 5-1/2" (14 cm), curved



**CASTROVIEJO Needle Holder, Tungsten Carbide**

straight, with lock

- 18-1828TC** 5-1/2" (14 cm), smooth jaws
- PM-2445\*** 5-1/2" (14 cm), smooth jaws
- 18-1828A-TC** 5-1/2" (14 cm), serrated jaws
- PM-2440\*** 5-1/2" (14 cm), serrated jaws



**CASTROVIEJO Needle Holder, Tungsten Carbide**

curved, with lock

- 18-1832TC** 5-1/2" (14 cm), smooth jaws
- PM-2446\*** 5-1/2" (14 cm), smooth jaws

- 18-1832A-TC** 5-1/2" (14 cm), serrated jaws
- PM-2441\*** 5-1/2" (14 cm), serrated jaws



**18-1832TC** (1/1)

**18-1832A-TC** (1/1)



**18-1832TC** (1/1)  
**PM-2446 & PM-2441** (not shown)

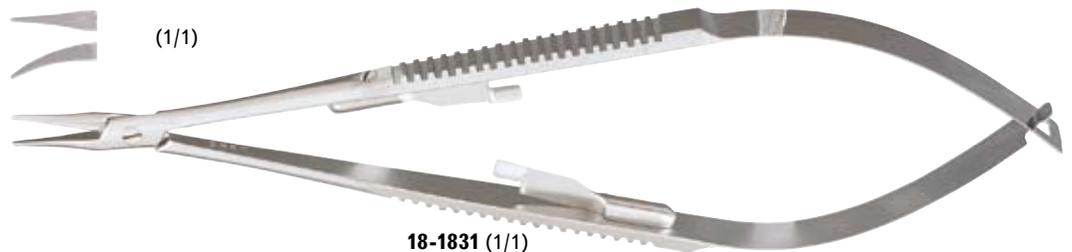
**CASTROVIEJO Needle Holder**

extra delicate smooth jaws, with lock

- 18-1831** 5-1/2" (14 cm), straight
- 18-1833** 5-1/2" (14 cm), curved



(1/1)



**18-1831** (1/1)  
**18-1833**

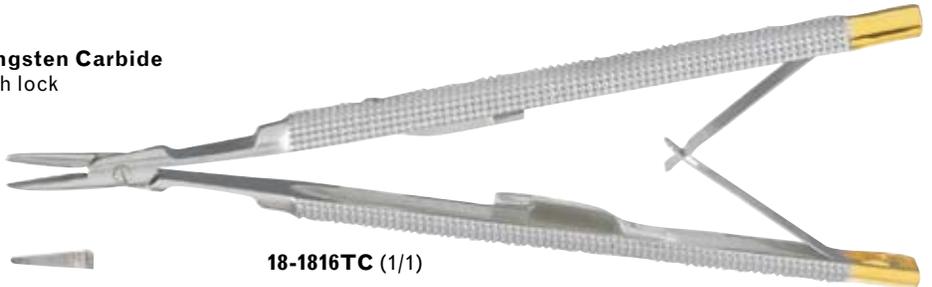
**MILTEX-CASTROVIEJO Needle Holder, Tungsten Carbide**

delicate smooth jaws, round hollow handles, with lock

- 18-1816TC** 4-3/4" (12.1 cm), straight



**18-1816TC** (1/1)



**PADGETT-CASTROVIEJO Needle Holder**

extra delicate smooth jaws, flat handles, with lock

holds 7/0 sutures

- PM-4709\*** 5-1/2" (14 cm), straight



**PM-4709**

**PATON Needle Holder**

serrated jaws with notch, without lock  
**18-1834** 4-1/2" (11.4 cm), straight

**18-1834 (1/1)****KALT Needle Holder**

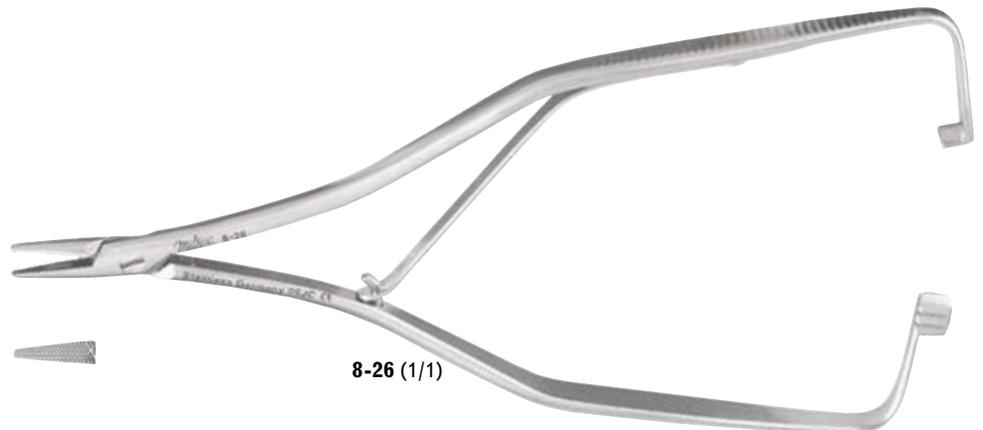
delicate serrated jaws with notch,  
 standard model, with lock  
**18-1800** 5-1/4" (13.3 cm), straight

**18-1800 (1/1)****GREEN Needle Holder & Suturing Forceps**

serrated jaws, double ended with serrations on  
 handle tips for gripping, without lock  
**18-1810** 4-1/4" (10.8 cm), angled

**18-1810 (1/1)****BOYNTON Needle Holder**

delicate serrated jaws  
**8-26** 5" (12.7 cm), straight

**8-26 (1/1)**

**PAR Needle Holder, Tungsten Carbide**

delicate serrated jaws, straight

**8-3TC** 4-1/2" (11.4 cm)**PM-2404\*** 4-3/4" (12.1 cm)**8-5TC** 5" (12.7 cm)**PM-2414\*** 5-1/4" (13.3 cm)**8-3TC** (1/1)**8-5TC, PM-2404 & PM-2414** (not shown)**WEBSTER Needle Holder, Tungsten Carbide**

delicate smooth jaws, straight

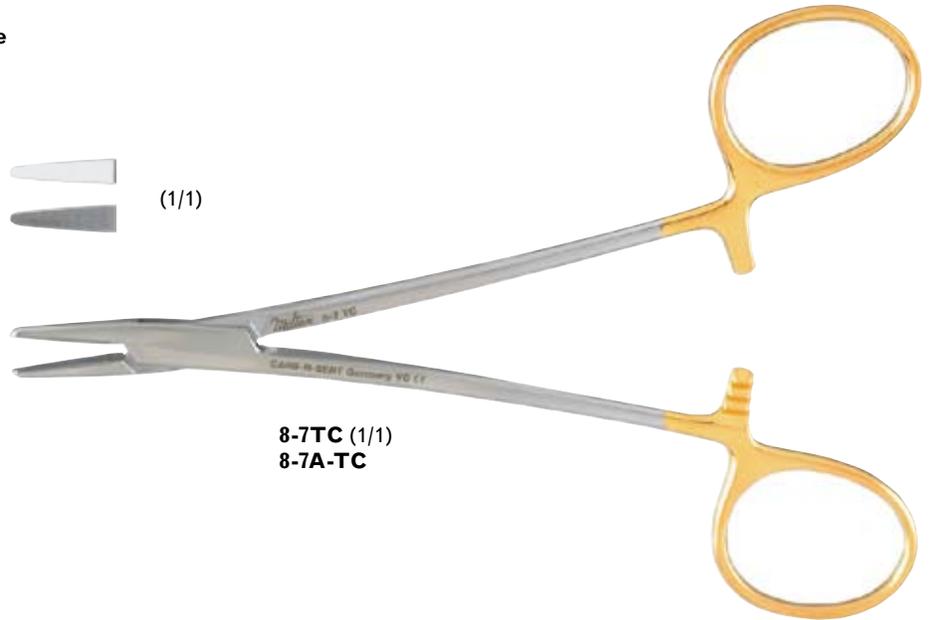
**8-6TC** 5-1/4" (13.3 cm)**PM-2405\*** 4-3/4" (12.1 cm)**8-6TC** (1/1)**PM-2405** (not shown)

**WEBSTER Needle Holder, Tungsten Carbide**

extra delicate, straight

**8-7TC** 4-3/4" (12.1 cm), smooth jaws

**8-7A-TC** 4-3/4" (12.1 cm), serrated jaws



**OLSEN-HEGAR Needle Holder & Suture Scissors, Tungsten Carbide**

**8-14TC** 4-3/4" (12.1 cm), serrated jaws

**PM-2169\*** 4-3/4" (12.1 cm), serrated jaws

**8-14A-TC** 4-3/4" (12.1 cm), smooth jaws

**PM-2165\*** 4-3/4" (12.1 cm), smooth jaws



# LACRIMAL INSTRUMENTS

DILATORS

PROBES

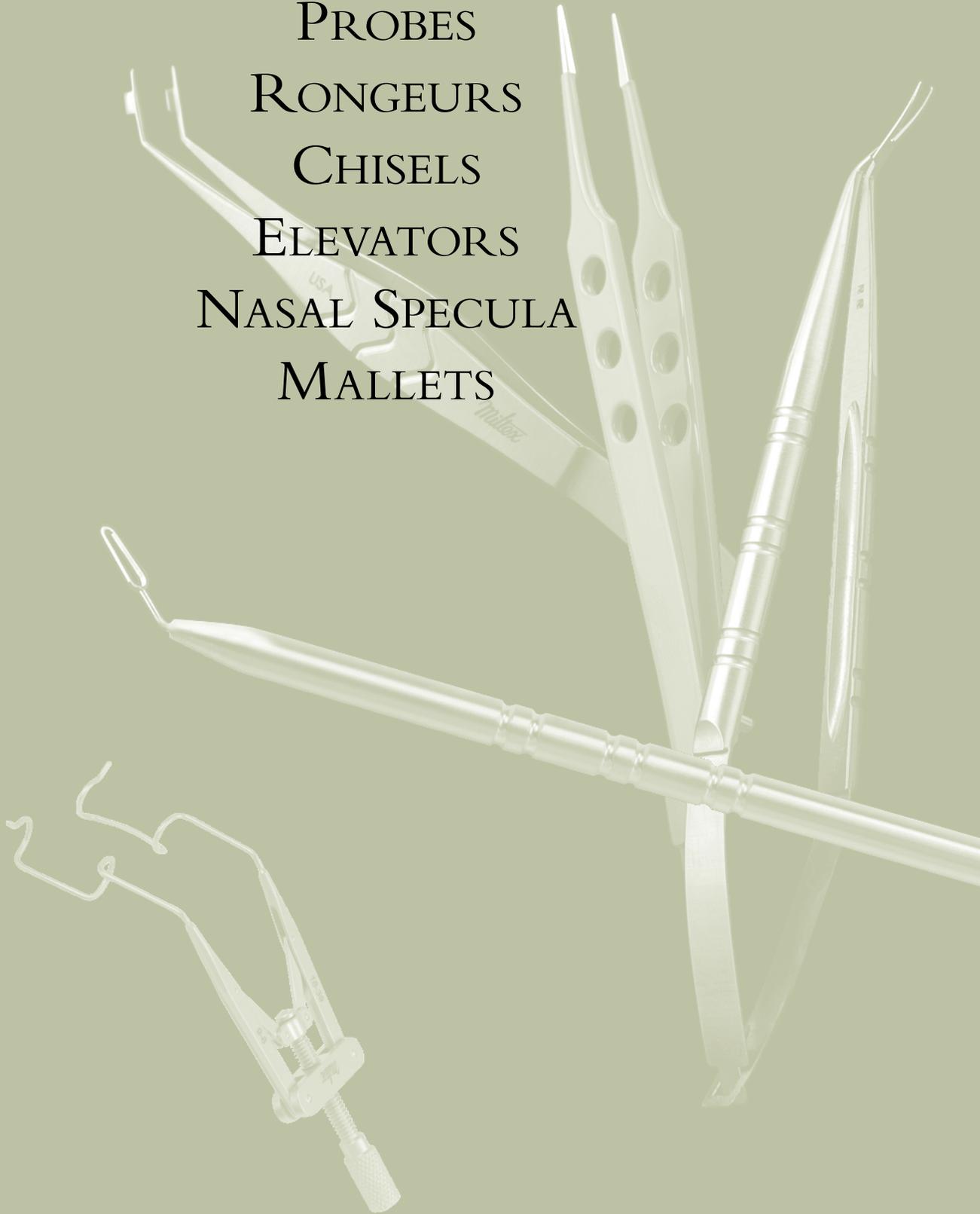
RONGEURS

CHISELS

ELEVATORS

NASAL SPECULA

MALLETS



**ZIEGLER Lacrimal Dilator**

double ended

**18-680** 5-1/2" (14.0 cm)**18-680****HOSFORD Lacrimal Dilator**

double ended

**18-688** 4-3/4" (12.1 cm)**18-688****CASTROVIEJO Lacrimal Dilator**

double ended - needle point/medium tip

**18-691** 5-1/2" (14.0 cm)**18-691****MULDOON Lacrimal Dilator**

3 mm straight tip to act as guide for tapered dilator

**18-692** 4" (10.2 cm)**18-692****WILDER Lacrimal Dilator****18-694** 4" (10.2 cm), size 1, fine taper**18-696** 4" (10.2 cm), size 2, medium taper**18-698** 4" (10.2 cm), size 3, heavy taper**18-694****18-696****18-698****RUDEMANN Infant Lacrimal Dilator**

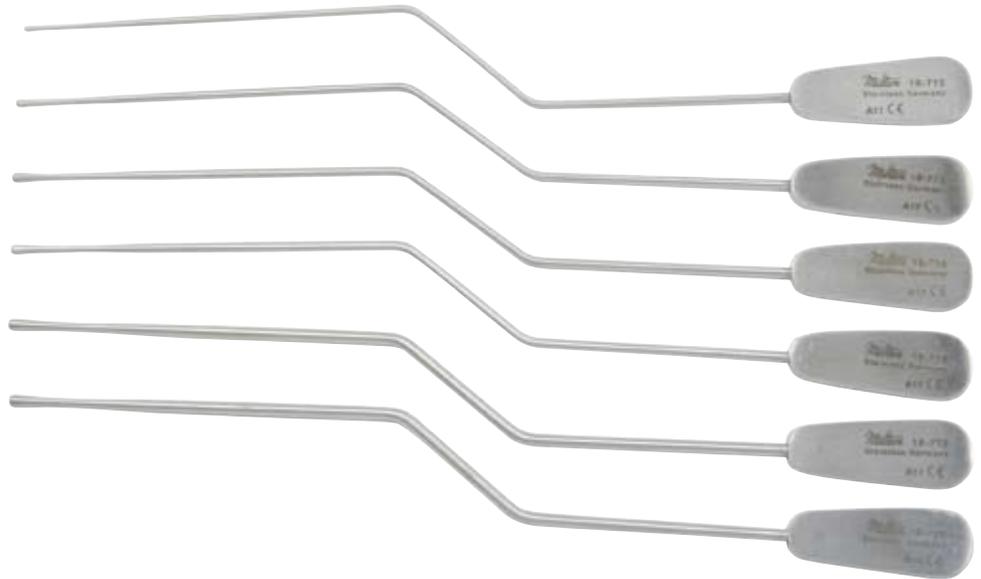
very delicate

**18-700** 3" (7.6 cm), 0.5 mm tip**18-700**

**FRENCH PATTERN Lacrimal Probe**

bayonet shape

- 18-710** 5" (12.7 cm), size 00
- 18-712** 5" (12.7 cm), size 0
- 18-714** 5" (12.7 cm), size 1
- 18-716** 5" (12.7 cm), size 2
- 18-718** 5" (12.7 cm), size 3
- 18-720** 5" (12.7 cm), size 4



**WILLIAMS Lacrimal Probe**

sterling, double ended

- 18-722** 5" (12.7 cm), size 0000-000
- 18-724** 5" (12.7 cm), size 00-0
- 18-726** 5" (12.7 cm), size 1-2
- 18-728** 5" (12.7 cm), size 3-4
- 18-730** 5" (12.7 cm), size 5-6
- 18-732** 5" (12.7 cm), size 7-8



**BOWMAN Lacrimal Probe**

sterling, double ended

- 18-740** 5" (12.7 cm), size 0000-000
- 18-742** 5" (12.7 cm), size 00-0
- 18-744** 5" (12.7 cm), size 1-2
- 18-746** 5" (12.7 cm), size 3-4
- 18-748** 5" (12.7 cm), size 5-6
- 18-750** 5" (12.7 cm), size 7-8



**WORST Pigtail Probe**

for reconstruction of a torn tear duct

- PM-4739HK\*** 6" (15.2 cm), with hook and spiral probe
- PM-4739HL\*** 6" (15.2 cm), with hole and silicone cannula
- PM-4740\*** Spare Tubing for PM-4739HK & PM-4739HL



**PM-4740**

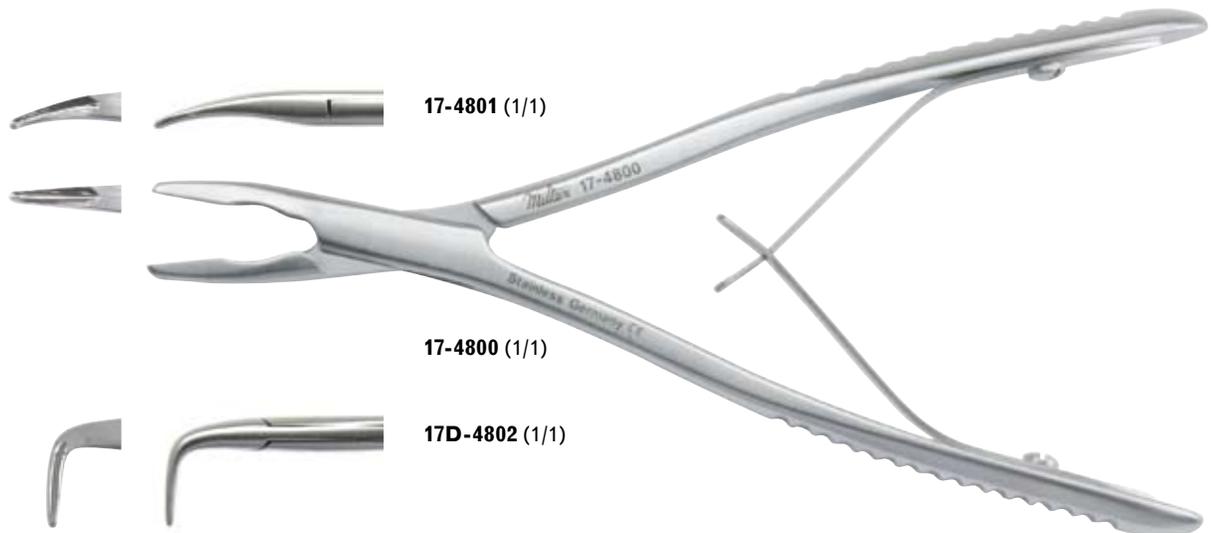


**PM-4739HK**  
**PM-4739HL** (not shown)

**Micro FRIEDMAN Rongeur**

1.3 mm wide jaws, very delicate

- 17-4800** 5-1/2" (14.0 cm), straight
- 17-4801** 5-1/2" (14.0 cm), curved
- 17D-4802** 5-1/2" (14.0 cm), 90° angled



**17-4801** (1/1)

**17-4800** (1/1)

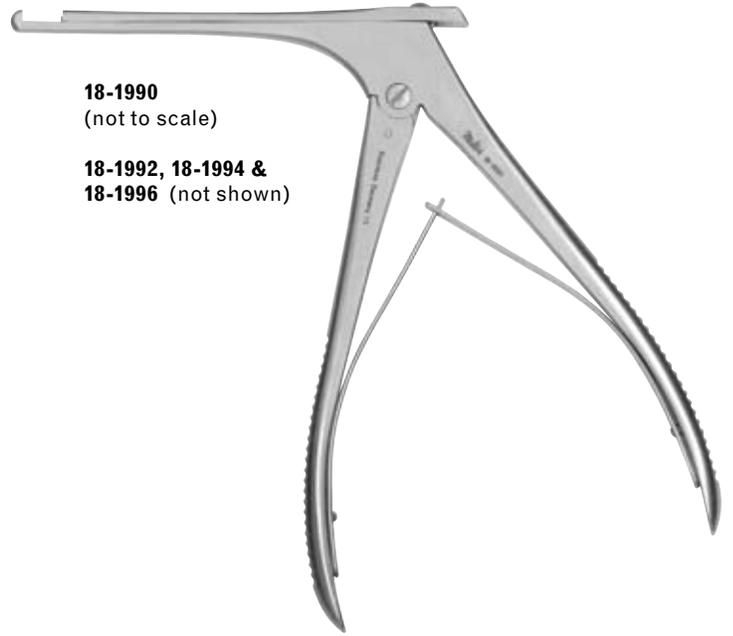
**17D-4802** (1/1)

**KERRISON Rongeur**

- 18-1990** 3" (7.6 cm) shaft, size 0, 3.5 mm bite  
**18-1992** 3" (7.6 cm) shaft, size 1, 4.0 mm bite  
**18-1994** 3" (7.6 cm) shaft, size 2, 4.5 mm bite  
**18-1996** 3" (7.6 cm) shaft, size 3, 5.0 mm bite

**18-1990**  
(not to scale)

**18-1992, 18-1994 &  
18-1996** (not shown)

**BEYER Rongeur**

3 mm bite, double action

- 19-844** 7" (17.8 cm), slightly curved

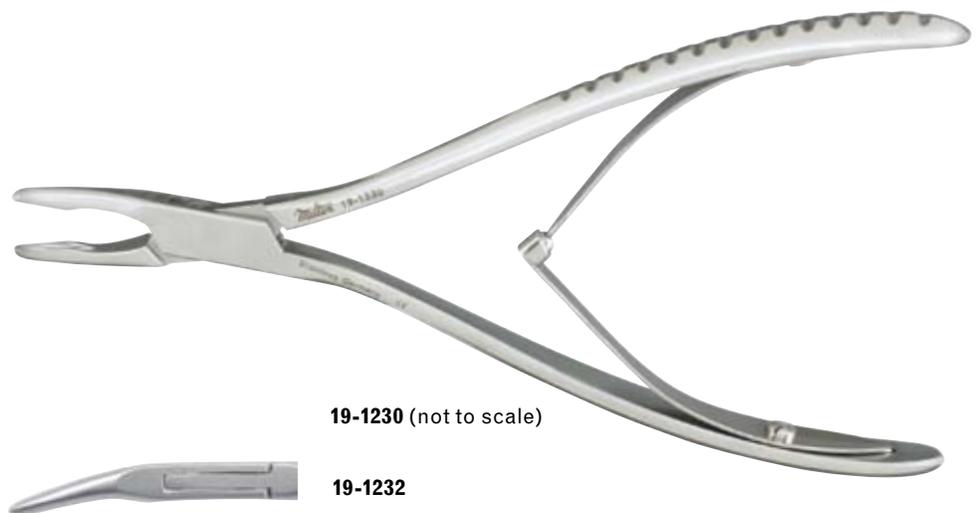


**19-844** (not to scale)

**LEMPERT Rongeur**

2.5 mm bite, delicate

- 19-1230** 6-1/4" (15.9 cm), straight  
**19-1232** 6-1/4" (15.9 cm), curved



**19-1230** (not to scale)

**19-1232**

**FREER Chisel**

4 mm wide

**18-1960** 6-1/2" (16.5 cm), curved



**18-1960**

**WEST Lacrimal Sac Chisel/Gouge**

distal working end serrated for bone tamping and mallet interface control

**18-1962** 6-1/4" (15.9 cm), straight, 5.0 mm wide, chisel

**18-1964** 6-1/4" (15.9 cm), straight, 4.5 mm wide, gouge



**18-1962**

**18-1964**

**FREER Elevator**

double ended, sharp and blunt blades

**18-1968** 7" (17.8 cm), curved, 5 mm wide



**18-1968**

**JOSEPH Periosteal Elevator**

**21-64** 7" (17.8 cm), strong curve, 6.5 mm wide



**21-64**

**FOMON Periosteal Elevator**

**21-68** 6-1/4" (15.9 cm), slightly curved, 4.5 mm wide



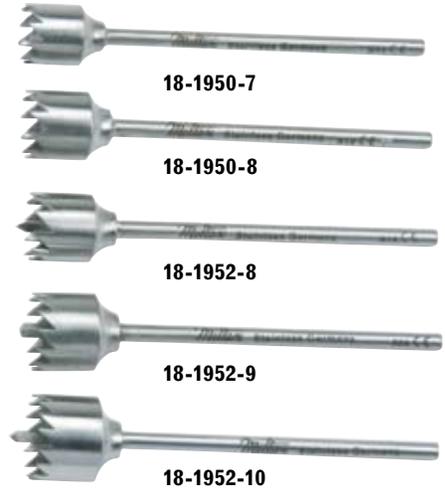
**21-68**

**ARRUGA Lacrimal Trephine**

- 18-1950-7** without center point, 7 mm diameter
- 18-1950-8** without center point, 8 mm diameter
- 18-1952-8** with center point, 8 mm diameter
- 18-1952-9** with center point, 9 mm diameter
- 18-1952-10** with center point, 10 mm diameter



**18-1950-7**



**18-1950-7**

**18-1950-8**

**18-1952-8**

**18-1952-9**

**18-1952-10**

**TIECK (HALLE) Infant Nasal Speculum**

**20-12** 5-1/2" (14.0 cm)



**20-12**  
(1/1)



**20-6**

**VIENNA Nasal Speculum**

lightweight

- 20-7** 5-3/4" (14.6 cm), child size
- 20-6** 5-3/4" (14.6 cm), adult size



**20-6**  
(1/1)



**20-7**  
(1/1)



20-4

**VIENNA Nasal Speculum**

standard pattern

- 20-4 5-3/4" (14.6 cm), small size
- 20-3 5-3/4" (14.6 cm), medium size
- 20-2 5-3/4" (14.6 cm), large size



20-4 (1/1)



20-3 (1/1)



20-2 (1/1)

**GERZOG Mallet**

head 8 oz. (226 grams), lead filled with stainless jacket

- 19-790 7-1/2" (19.1 cm)



19-790

**MILTEX® Mallet**

lightweight 7.5 oz. (213 grams), 1" (2.5 cm) diameter stainless head with 2 replaceable nylon caps

- 19-793 7-1/2" (19.1 cm)

**NYLON Cap Replacement**

- 19-795 fits item 19-793



19-795



19-793 (not to scale)

# CALIPERS



**SCHIOTZ Tonometer**

includes 3 weights (5.5 gr., 7.5 gr. and 10 gr.), plunger, stainless steel footplate & test block

**18-132** original model

**18-132A** same as no. 18-132, but with ALLEN Plunger Retractor\*

All units are autoclavable and are constructed with jewelled hammers to minimize friction. Scale markings are etched for accuracy. Scales are inclined, permitting reading from above.

Each unit is supplied with certification so that it meets the specifications established by the Committee on Standardization of Tonometers of the A.A.O.O. Individually packaged in a fitted case with weights and test block.

\*Allen Plunger Retractor - the plunger is held in a retracted position, flush with the surface of the footplate, until the tonometer is in place on the cornea. This feature helps to prevent possible damage to corneal tissue.



**18-132**  
**18-132A**  
(not shown to scale)

**Case for SCHIOTZ Tonometers**

fitted to firmly hold tonometer, weights and test block

**18-139** 6-1/2" (16.5 cm) x 3-1/2" (8.9 cm) x 1-1/4" (3.2 cm)



**18-139**  
(not shown to scale)

**CASTROVIEJO Caliper**

a combination measuring and marking caliper; graduated

**18-650** 3-1/4" (8.3 cm), straight, 0-20 mm

**68-699** 3-1/2" (8.9 cm), angled, 0-40 mm



**18-650**



**68-699**

**THORPE Caliper**

graduated in inches and millimeters;  
permits measurements in deep areas

**18-657** 4-1/2" (11.4 cm)



**18-657**

**JAMESON Caliper**

graduated in inches and millimeters with thin tips;  
chrome

**18-658** 3-3/4" (9.5 cm)



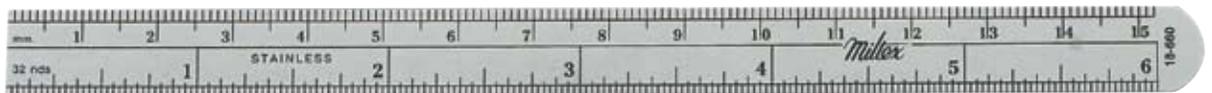
**18-658**

**Flexible Stainless Ruler**

graduated in 1/32" (0.8 mm) fractions and millimeters

**18-660** 6" (15.2 cm) x 1/2" (1.3 cm)

**PM-0676\*** 6" (15.2 cm) x 1/2" (1.3 cm), with pocket clip



**18-660**

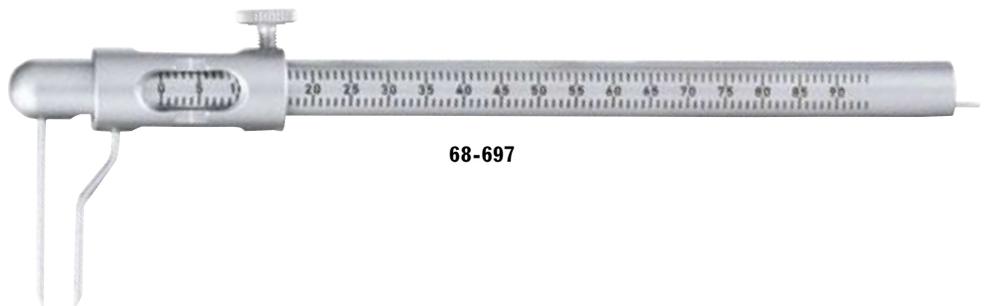


**PM-0676**

**Micro Boley Gauge**

stainless steel

**68-697** 5" (12.7 cm)



**68-697**

# BLADES, KNIFE HANDLES & ACCESSORIES



**Miniature Blade Handle**

round knurled handle (3K type)

**4-400** 3-3/4" (9.5 cm), with chuck**4-401** 3-3/4" (9.5 cm), with self-locking chuck

Note: Fits Mini Blade (blades not available from Miltex, Inc.)



4-400



4-401

**Self-Locking Chuck Knife Handle**

round knurled handle (3K type)

**4-405** 5-1/4" (13.3 cm)

Note: Fits Mini Blade (blades not available from Miltex, Inc.)



4-405

**Knife Handle**

No. 3, blades 10-15c, graduated in mm/cm, flat handle

**4-7** 5" (12.7 cm)

4-7

No. 9, blades 10-15c, stainless steel, flat handle

**4-16** 4-1/2" (11.4 cm)

4-16

**SIEGEL Knife Handle**

No. 3, blades 10-15c, round handle

**4-17** 5-3/4" (14.6 cm)

4-17

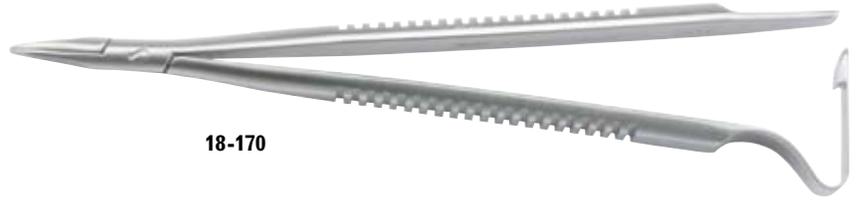
**BARRONS Knife Handle**

No. 3, blades 10-15c, octagonal handle

**PM-425\*** 5-1/2" (14.0 cm)

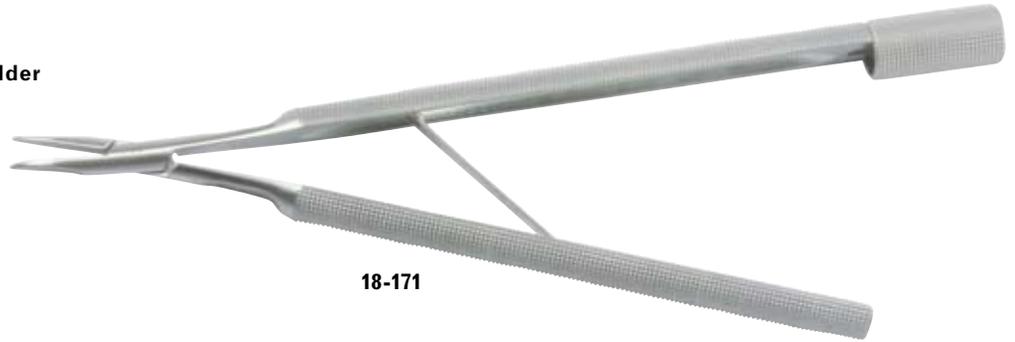
PM-425

**BARRAQUER Blade Breaker & Holder**  
with ratchet lock  
**18-170** 4-1/2" (11.4 cm)



18-170

**CASTROVIEJO Blade Breaker & Holder**  
with push-pull lock  
**18-171** 5-1/4" (13.3 cm)



18-171

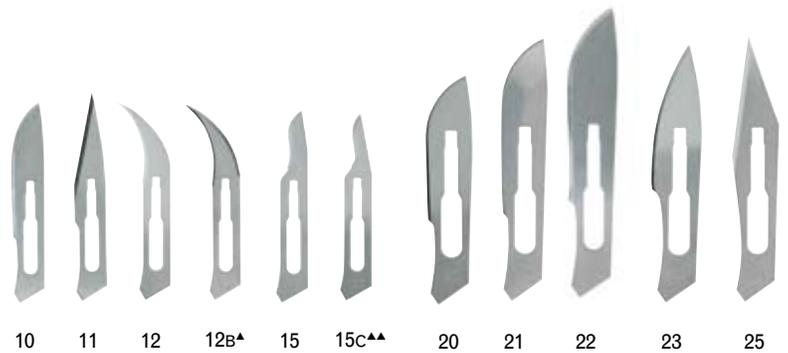
**TROUTMAN-BARRAQUER Mini Blade Breaker & Holder**  
angled jaws 3 x 10 mm, with push-pull lock  
**18-172** 3-3/4" (9.5 cm)



18-172

**SURGICAL BLADES, Sterile**  
Carbon or Stainless Steel

- Razor-sharp cutting edge for superior cutting and clean incisions
- Sterile, 5-year shelf life
- Individually packaged in foil peel packs
- Convenience of disposables, single-use
- Sizes clearly marked on each blade
- Available in carbon and stainless steel
- Each dispenser box contains 100 blades
- Eleven sizes available



CS*	SS**	
REF	REF	Size
4-110	4-310	10
4-111	4-311	11
4-112	4-312	12
4-112B <sup>▲</sup>	4-312B <sup>▲</sup>	12B <sup>▲</sup>
4-115	4-315	15
4-115C <sup>▲▲</sup>	4-315C <sup>▲▲</sup>	15C <sup>▲▲</sup>

CS*	SS**	
REF	REF	Size
4-120	4-320	20
4-121	4-321	21
4-122	4-322	22
4-123	4-323	23
4-125	4-325	25

\*Carbon Steel \*\* Stainless Steel  
<sup>▲</sup>B is a double edged blade  
<sup>▲▲</sup>C is an angled blade

\*Carbon Steel \*\* Stainless Steel  
<sup>▲</sup>B is a double edged blade  
<sup>▲▲</sup>C is an angled blade

# INSTRUMENT CARE & CLEANING



# MILTEX® Instrument Care & Cleaning Products

The MILTEX® care and cleaning product portfolio is designed to provide optimum cleaning performance and will help to prolong the service life of valuable surgical instrumentation.

## MILTEX® Instrument Prep Enzyme Foam

Ready-to-use foaming spray for pre-cleaning of soiled instruments and scopes (rigid or flexible). Ideal for applications where instrument cleaning is not immediately available. Simply spray on instruments until ready for decontamination and cleaning.

**3-760** 24 oz. (0.71 liter) spray bottles (case of 12)\*



**3-760**

## MILTEX® Spray Lube (Surgical Instrument Lubricant)

Pre-mixed, non-silicone and anti-corrosive formula in a ready to use 8 oz. spray pump bottle. Steam permeable and water soluble. Helps prevent spotting, staining and rusting. Lubricates instrument box locks, screw locks, scissors blades and any other metal on metal moving parts.

**3-700** 8 fl. oz. (0.24 liter) bottles (case of 12)\*



**3-700**

## MILTEX® EZ-ZYME® All Purpose Enzyme Cleaner

Ideal for cleaning hard to remove proteinaceous (mucus & tissue) and lipid (fatty) materials from the surfaces of surgical and dental instruments, linen, water submersible equipment, or where mechanical scrubbing is impractical.

- Easy to Use
- Neutral pH
- Multi-use as an instrument presoak, ultrasonic cleaner, laundry presoak and evacuation system cleaner
- Space-saving or bulk packaging options

**3-750** 3/4 oz. (22 ml) packets (dispenser box of 32)  
Contents of 1-box makes 32 gallons of solution

**3-755** 1-gallon bottle (3.79 liter)  
Contents of 1-gallon container makes 170 gallons of solution



**3-755**

**3-750**

## MILTEX® Surgical Instrument Cleaner

Super concentrate formula for manual and ultrasonic cleaning or soaking of surgical instruments, accessories and glassware.

- Neutral pH
- Biodegradable
- Rinses free, leaves no residue
- Phosphate-free
- Concentrated

**3-720** 8 fl. oz. (0.24 liter) bottles (case of 12)\*  
Contents of one 8 oz. bottle makes 32 gallons of solution

**3-725** 1-gallon bottle (3.79 liter)  
Contents of 1-gallon container makes 512 gallons of solution

**3-726** 1/4 fl. oz. (7.4 ml) packets (dispenser box of 80)  
Contents of 1-box makes 80 gallons of solution



**3-725**

**3-720**

**3-726**

\*(Contact Distributor for availability of individual units)

**MILTEX® Surgical Instrument Cleaner & Lubricant**

A dual-purpose instrument cleaner and lubricant. Chemically engineered for use as a presoak or for manual cleaning, washer/decontaminators, ultrasonic cleaners and cart washers.

- Cleaner & Brighter Instruments
- Removes Stains, Blood and Mineral Deposits
- Biodegradable
- Concentrate, Lower Cost Per Use

**3-710** 1 Gallon (128 fl. oz.) 3.79L (see label for concentration rates)



**3-710**

**MILTEX® Instrument Lubricant**

A water emulsible soaking agent works to extend the life of surgical instruments. Concentrated non-silicone lubricant and rust inhibitor. Use daily to keep moving parts operating smoothly.

- Formulated to extend the working life of surgical instruments
- Helps Prevent Corrosion
- Formulated with gentle, non-aggressive ingredients
- Frees Up Box Locks - Lubricates moving parts of surgical instruments

**3-705** 1 Gallon (128 fl. oz.) 3.79L (see label for concentration rates)



**3-705**

**MILTEX® Surgical Instrument Stain Remover**

Powder formula removes stains, tarnish and restores luster to surgical instruments, autoclaves, ultrasonic cleaners, stainless steel countertops, etc. Ideal for use on stainless steel, chrome, nickel, brass, copper and silver.

- Effective on instruments, autoclaves, ultrasonic cleaners or any stainless steel, tile or plated surface
- Will not harm instrument surfaces
- Easy, fast, convenient to use
- Economical - a little goes a long way

**3-740** 3 oz. (85 grams), (case of 12)\*



**3-740**

**MILTEX® Instrument Care Kit System**

A great way to try various MILTEX® products!

**3-800** Spray Lube (3-700), Surgical Instrument Cleaner (3-720), Surgical Instrument Stain Remover (3-740), Instrument Care DVD (3-810), Nylon Brush and Stainless Steel Brush



**3-800**

*\*(Contact Distributor for availability of individual units)*

**MILTEX® Instrument Care Training DVD**

25-minute Instructional DVD assists practitioners and staff to properly care for instruments and to keep them in top working condition. DVD offers step-by-step guidance on handling, cleaning, rinsing, inspecting, lubricating and sterilizing surgical instruments.

**3-810** MILTEX® Instrument Care DVD



**3-810**

**MILTEX® Nylon & Stainless Steel Brushes**

- Nylon bristles for effective cleaning of instrument box locks
- Stainless steel bristles for cleaning serrations
- Autoclavable

**3-1000** 7-1/4" (18.4 cm), Nylon Bristles (Set of 3)

**3-1001** 7-1/4" (18.4 cm), Stainless Steel Bristles (Set of 3)



**3-1000**



**3-1001**

**SILITONE™ Color Bands**

Silitone™ color bands are made from medical-grade silicone and can withstand temperatures up to 450° F. Silitone™ bands are expandable from 4 mm to 12 mm and are available in a variety of colors. 50 pieces per pack except kits.



REF	Description
VSTSA	Grey - 50 pieces
VSTSB	Blue - 50 pieces
VSTSD	Gold - 50 pieces
VSTSG	Green - 50 pieces
VSTSK	Black - 50 pieces
VSTSL	Light Blue - 50 pieces
VSTSN	Brown - 50 pieces
VSTSP	Pink - 50 pieces
VSTSR	Red - 50 pieces
VSTSU	Purple - 50 pieces
VSTSW	White - 50 pieces
VSTSY	Yellow - 50 pieces
VST	Kit of 12 colors - 480 pieces (40 of each color)
VSTA	Kit of 12 colors - 120 pieces (10 of each color)

Will work with ring-handled instruments!



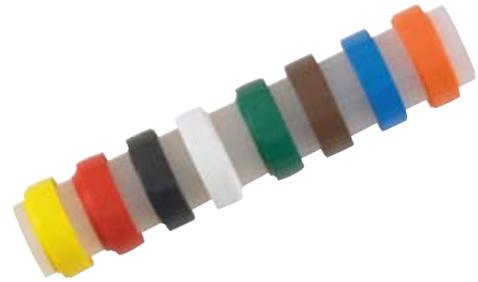
**VST**

(Exercise caution when applying color bands to instruments with sharp points.)

### TAPE N' TELL™ Adhesive Strips

The Tape N' Tell™ adhesive strips are ideal for color coding instruments and procedural kits.

REF	Description
017-48220	TAPE N' TELL WHITE
017-48221	TAPE N' TELL YELLOW
017-48222	TAPE N' TELL RED
017-48223	TAPE N' TELL BLUE
017-48224	TAPE N' TELL GREEN
017-48225	TAPE N' TELL BLACK
017-48226	TAPE N' TELL ORANGE
017-48227	TAPE N' TELL BROWN
017-48230	TAPE N' TELL 8 ASSORTED



### TIP-IT™ Instrument Guards

Tip-It™ Instrument Guards protect instrument tips and edges from damage during handling and sterilization.

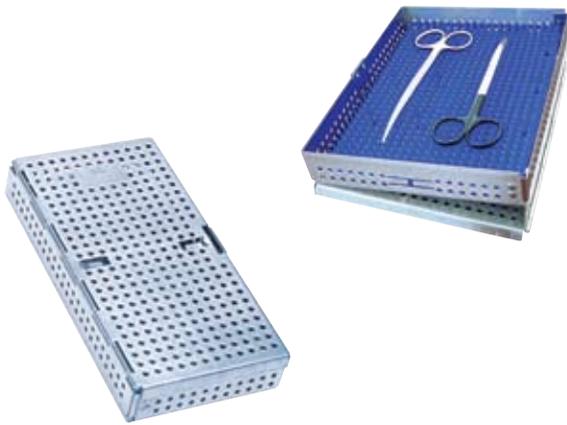
- PVC medical grade plastic
- Latex-free material
- Large holes (vented styles) to reduce vacuum and moisture build up for easy removal from instrument
- Steam and gas sterilizable
- 50 per pack



REF	REF	REF	REF	Dimension	Size Code	Color
Clear Vented	Tinted Vented	Solid Vented	Solid Non-Vented			
3-2501C	3-2501T	3-2501V	3-2501	1/16" x 3/4" (1.6 mm x 19 mm)	1	White*
3-2502C	3-2502T	3-2502V	3-2502	5/64" x 3/4" (2 mm x 19 mm)	2	Blue*
3-2503C	3-2503T	3-2503V	3-2503	7/64" x 3/4" (2.8 mm x 19 mm)	3	Green*
3-2504C	3-2504T	3-2504V	3-2504	1/8" x 1" (3.2 mm x 25.4 mm)	4	Red*
3-2505C	3-2505T	3-2505V	3-2505	3/16" x 1" (4.8 mm x 25.4 mm)	5	Yellow*
3-2506C	3-2506T	3-2506V	3-2506	13/32" x 3/4" (10.3 mm x 19 mm)	6	Maroon*
3-2507C	3-2507T	3-2507V	3-2507	1/16" x 3/8" x 1" (1.6 mm x 9.5 mm x 25.4 mm)	7	Orange*
3-2508C	3-2508T	3-2508V	3-2508	5/64" x 5/8" x 1" (2 mm x 16 mm x 25.4 mm)	8	Brown*
3-2509C	3-2509T	3-2509V	3-2509	1/8" x 1" x 1" (3.2 mm x 25.4 mm x 25.4 mm)	9	Black*
3-2510C	3-2510T	3-2510V	3-2510	Assorted, equal number of sizes plus 5	-	-

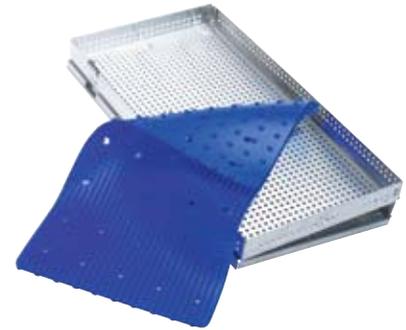
\* Color does not apply to clear vented pattern

## Miltex® Instrument Storage System featuring the “Tuck-Away™” Lid



1. Unique flow-through design.
2. Medical grade silicone strip provides instrument retention when lid is closed.
3. Full length hinge provides stable and secure attachment to cassette.
4. Quick and easy push button release provides a positive lock when closed.
5. Pre-stamped tabs allow for custom coding of cassettes.
6. Double-hinged lid folds under cassette for easy storage during use.
7. Self-lubricating plastic hinge pin will not corrode and provides smooth mechanical movement.
8. Passivated stainless steel provides corrosion protection and an aesthetic finish.

## Latex-Free Silicone Mats



1. The raised mat (or feet) assures adhesion of the mat to the tray surface.
2. Holes positioned on mat for proper drainage.
3. Soft cushion fingers protect your instrument investment.
4. Customized to fit perfectly into Miltex® Cassettes.

### UNIVERSAL CASSETTE WITHOUT MAT

REF	Size
4-6835	6-1/2 x 6-1/4 x 1-3/16
4-083000	8 x 3-13/16 x 1-3/16
4-084000	8 x 4-7/8 x 1-3/16
4-085000	8 x 6 x 1-3/16
4-089100	8 x 9 x 1-3/16
4-008122	8 x 11 x 1-3/16
4-008115	8 x 11 x 2
4-009126	9-1/8 x 13 x 1-3/16
4-6815	15 x 8-1/4 x 1-3/16

### SLIMLINE SERIES WITHOUT MAT

3-072007	7 x 2-5/8 x 11/16*
3-082008	8 x 2-5/8 x 11/16*
STD5L27	7 x 2-5/8 x 1*
3-072014	7 x 4-5/8 x 11/16*

\*Single-hinge design

### MAT ONLY

REF	Size	Description
4-6835MAT	6-1/2 x 6-1/4	for Cassette 4-6835
4-083000MAT	8 x 3-13/16	for Cassette 4-083000
4-084000MAT	8 x 4-7/8	for Cassette 4-084000
4-085000MAT	8 x 6	for Cassette 4-085000
4-089100MAT	8 x 9	for Cassette 4-089100
4-008122MAT	8 x 11	for Cassette 4-008122 & 4-008115
4-009126MAT	9-1/8 x 13	for Cassette 4-009126
4-6815MAT	15 x 8-1/4	for Cassette 4-6815

**MILTEX® Tray with Silicone Mat**  
**3-200100** 7" x 11" (17.8 x 27.9 cm), single layer



**3-200100**  
 (not to scale)

**MILTEX® Tray with Silicone Mats**  
**3-200200** 7" x 11" (17.8 x 27.9 cm), double layer



**3-200200**  
 (not to scale)

**MILTEX® Tray with Silicone Mat**  
**3-200300** 4" x 8" (10.2 x 20.3 cm), single layer



**3-200300**  
 (not to scale)

**Small Plastic Tray with Silicone Mat**  
**PM-9323\*** 2-3/4" x 1-3/4" x 3/4" (73 x 44 x 19 mm)



**PM-9323**  
 (not to scale)

**Microsurgical Plastic Tray with Silicone Mat**  
**PM-9326\*** 10" x 5-3/4" x 3/4" (254 x 146 x 19 mm)



**PM-9326**  
 (not to scale)

**Microsurgical Plastic Tray with Silicone Mat**  
**PM-9325\*** 11" x 7" x 3/4" (279 x 178 x 19 mm)



**PM-9325**  
 (not to scale)



# COMBINED ECCE (Extra-Capsular Cataract Extraction) SET for PHACOEMULSIFICATION and/or MANUAL PHACOFRACTURE



REF	Key	Description
7-24	1	Hartman Mosquito Forceps, straight
7-501	2	Jones Towel Clamp
5-304	3	Iris Scissors, straight
4-401	4	Miniature Blade Handle, 3K type with locking chuck
18-1058	5	Schweiger Extra-Capsular Forceps, 4 x 5 teeth, curved
18-1070	6	Buratto IOL Insertion Forceps
18-1072	7	Dodick IOL Folding Forceps, for soft IOL
18-1073	8	Livernois IOL Folding Forceps, for soft IOL
18-1094	9	Inamura Capsulorhexis Forceps
18-123	10	Fine-Thornton Swivel Fixation Ring, blunt teeth, 13 mm
18-1489	11	Westcott Tenotomy Scissors, curved
18-1622	12	Vannas Scissors, very delicate sharp tips, curved
18-1640	13	Stern-Gills Scissors, angled
18-1863	14	Drewe Needle Holder, curved, extra delicate, with lock
18-2162	15	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
18-2003	16	Kansas Nucleus Bisector
18-2004	17	Alfonso Nucleus Trisector, 1.5 mm
18-2005	18	Bucher-Kansas Nucleus Trisector, 2.5 mm
18-2030	19	Alfonso Cutting Platform, 2 mm <i>(not illustrated)</i>
18-2031	20	Alfonso Cutting Platform, 3 mm <i>(not illustrated)</i>

REF	Key	Description
18-2008	21	Jaffe-Bechert Nucleus Rotator, blunt forked tip
18-2014	22	Rosen Phaco Splitter
18-2016	23	Dodick Nucleus Cracker, paddle shaped jaws
18-2026	24	Lester IOL Manipulator, angled
18-314	25	Von Graefe (Becker) Cystotome
18-468	26	Kuglen Iris Hook & Lens Manipulator, angled
18-39	27	Lieberman Eye Speculum, Kratz-style open wire blades
18-44	28	Temporal Approach Speculum, open wire blades
18-650	29	Castroviejo Caliper
18-880	30	Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm
18-923	31	Tennant Tying Forceps, straight
18-924	32	Tennant Tying Forceps, curved
18-931	33	Kelman-McPherson Forceps, smooth jaws, angled
18-953	34	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
18-971	35	Bonnaccolto Forceps, longitudinal & cross serrated tips, 1.2 mm
PM-9421	36	Bipolar Jeweler Forceps, straight, 0.5 mm
PM-9450D	37	Disposable Bipolar Cord, 12 feet, sterile, 10/box
18-2154	38	Air Injection Cannula, 27 gauge <i>(not illustrated)</i>
3-200200	39	Miltex® Double Tray with Silicone Mats <i>(not illustrated)</i>

## ECCE (Extra-Capsular Cataract Extraction) using PHACOEMULSIFICATION



REF	Key	Description
7-24	1	Hartman Mosquito Forceps, straight
7-501	2	Jones Towel Clamp
4-401	3	Miniature Blade Handle, 3K type with locking chuck
18-1070	4	Buratto IOL Insertion Forceps
18-1073	5	Livernois IOL Folding Forceps, for soft IOL
18-1098	6	Kraff-Utrata Capsulorhexis Forceps, sharp tips
18-123	7	Fine-Thornton Swivel Fixation Ring, blunt teeth, 13 mm
18-1489	8	Westcott Tenotomy Scissors, curved
18-1622	9	Vannas Scissors, very delicate sharp tips, curved
18-1640	10	Stern-Gills Scissors, angled
18-1863	11	Drews Needle Holder, curved, extra delicate, with lock
18-2162	12	Bishop-Harmon Irrigator, 19 gauge cannula with bulb

REF	Key	Description
18-2008	13	Jaffe-Bechert Nucleus Rotator, blunt forked tip
18-2014	14	Rosen Phaco Splitter
18-2016	15	Dodick Nucleus Cracker, paddle shaped jaws
18-2026	16	Lester IOL Manipulator, angled
18-314	17	Von Graefe (Becker) Cystotome
18-468	18	Kuglen Iris Hook & Lens Manipulator, angled
18-39	19	Lieberman Eye Speculum, Kratz-style open wire blades
18-44	20	Temporal Approach Speculum, open wire blades
18-650	21	Castroviejo Caliper
18-880	22	Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm
18-923	23	Tennant Tying Forceps, straight
18-924	24	Tennant Tying Forceps, curved
18-931	25	Kelman-McPherson Forceps, smooth jaws, angled
18-953	26	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
PM-9425	27	Bipolar Jeweler Forceps, curved, 0.5 mm
PM-9450D	28	Disposable Bipolar Cord, 12 feet, sterile, 10/box
18-2154	29	Air Injection Cannula, 27 gauge angled ( <i>not illustrated</i> )
3-200200	30	Miltex® Double Tray with Silicone Mats ( <i>not illustrated</i> )

## MANUAL PHACOFRACTURE CATARACT EXTRACTION SET



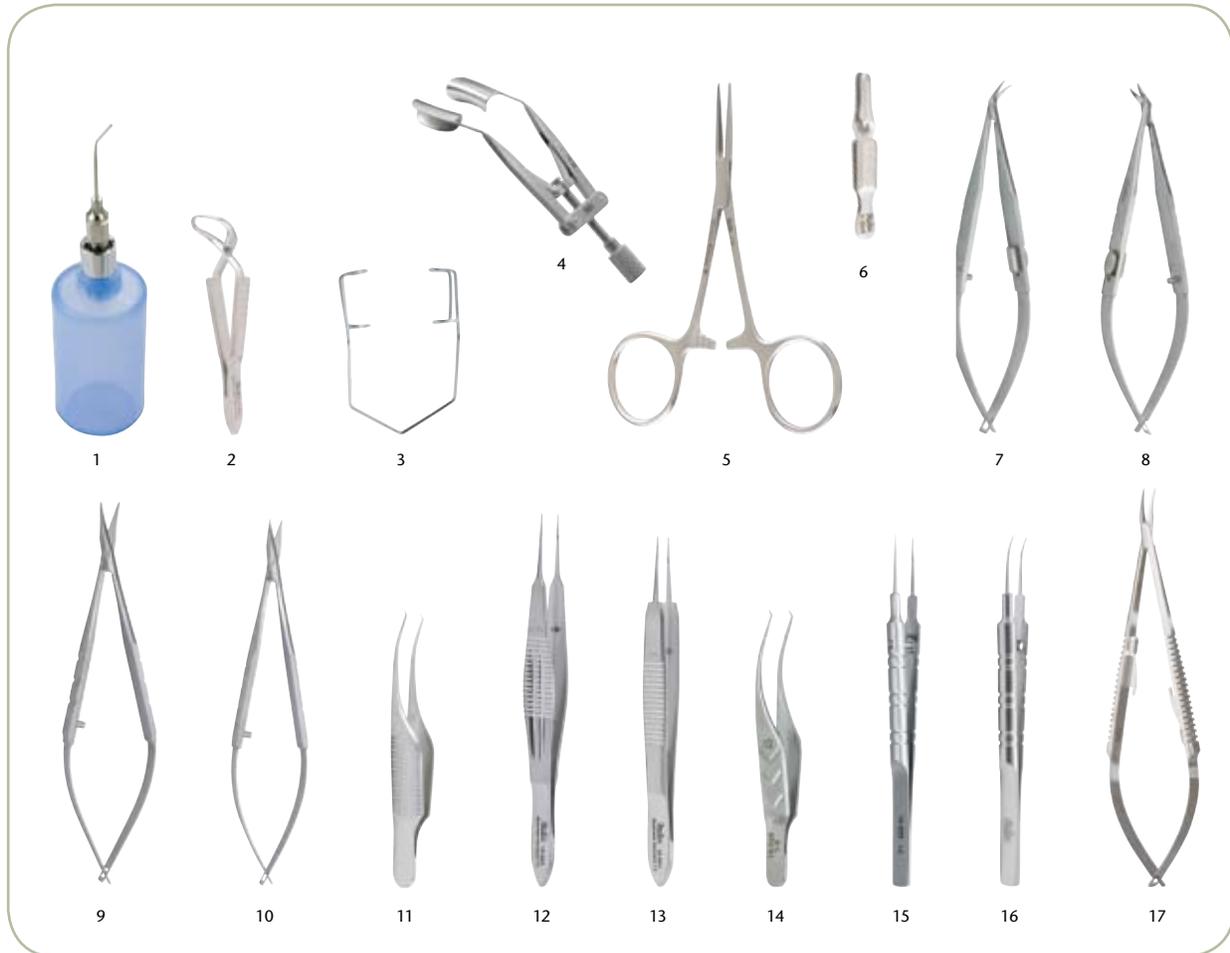
REF	Key	Description
18-39	1	Lieberman Eye Speculum, Kratz-style open wire blades
5-304	2	Iris Scissors, straight
18-1489	3	Westcott Tenotomy Scissors, curved
18-953	4	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
4-401	5	Miniature Blade Handle, 3K type with locking chuck
18-650	6	Castroviejo Caliper
18-1098	7	Kraff-Utrata Capsulorhexis Forceps, sharp tips
18-468	8	Kuglen Iris Hook & Lens Manipulator, angled
18-2003	9	Kansas Nucleus Bisector
18-2004	10	Alfonso Nucleus Trisector, 1.5 mm
18-2005	11	Bucher-Kansas Nucleus Trisector, 2.5 mm
18-2030	19	Alfonso Cutting Platform, 2 mm <i>(not illustrated)</i>
18-2031	20	Alfonso Cutting Platform, 3 mm <i>(not illustrated)</i>
18-2002	12	Kansas Nucleus Vectis, 3 mm
PM-9421	13	Bipolar Jeweler Forceps, straight, 0.5 mm
18-1072	14	Dodick IOL Folding Forceps, for soft IOL
18-1070	15	Buratto IOL Insertion Forceps
PM-9450D	16	Disposable Bipolar Cord, 12 feet, sterile, 10/box
18-2154	17	Air Injection Cannula, 27 gauge <i>(not illustrated)</i>
3-200200	18	Miltex® Double Tray with Silicone Mats <i>(not illustrated)</i>

## GLAUCOMA SURGERY SET



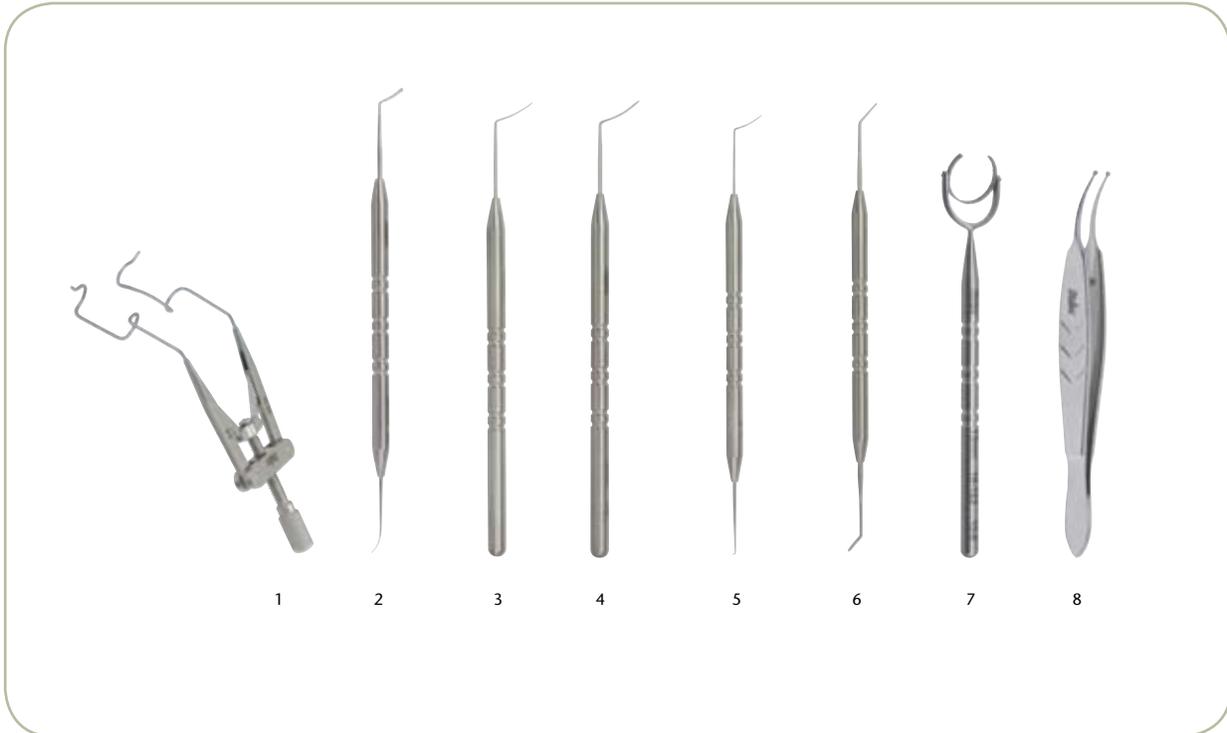
REF	Key	Description
7-501	1	Jones Towel Clamp
18-2162	2	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
7-24	3	Hartman Mosquito Forceps, straight
18-66	4	Mellinger Eye Speculum, solid blades
18-35	5	Barraquer Wire Speculum, large
5-304	6	Iris Scissors, Straight
18-1489	7	Westcott Tenotomy Scissors, curved
18-1521	8	Barraquer Iris Scissors, angled
18-1635	9	Miltex-Vannas Scissors, curved
18-1485	10	McPherson-Westcott Stitch Scissors, curved
18-1112	11	Bennett Cilia Forceps (Qty 2)
18-880	12	Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm
18-868	13	Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm
18-650	14	Castroviejo Caliper
4-401	15	Miniature Blade Handle, 3K type with locking chuck
18-1838	16	Barraquer Needle Holder, cturved, without lock
18-2154	17	Air Injection Cannula, 27 gauge angled ( <i>not illustrated</i> )
3-200200	18	Miltex® Double Tray with Silicone Mats ( <i>not illustrated</i> )

## CORNEAL TRANSPLANT SURGERY SET



REF	Key	Description
18-2162	1	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
7-501	2	Jones Towel Clamp
18-35	3	Barraquer Wire Speculum, large
18-38	4	Lieberman Eye Speculum, solid blade, large
7-24	5	Hartman Mosquito Forceps, straight (Qty 2)
7-304	6	Dieffenbach Serrefine, 1-1/2", straight (Qty 2)
18-1590	7	Troutman-Katzin Corneal Transplant Scissors, right
18-1589	8	Troutman-Katzin Corneal Transplant Scissors, left
18-1489	9	Westcott Tenotomy Scissors, curved
18-1335	10	Jaffe Stitch Scissors, curved
18-880	11	Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm
18-953	12	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
18-951	13	Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm
18-928	14	Harms Colibri Forceps, 1 x 2 Teeth, 0.12 mm
18-923	15	Tennant Tying Forceps, straight
18-924	16	Tennant Tying Forceps, curved
18-1833	17	Castroviejo Needle Holder, curved, extra delicate, with lock
18-2152	18	Air Injection Cannula, 30 gauge ( <i>not illustrated</i> )
3-200200	19	Miltex® Double Tray with Silicone Mats ( <i>not illustrated</i> )

## LASIK SURGERY SET



REF	Key	Description
18-39	1	Lieberman Eye Speculum, Kratz-style open wire blades
18-2028	2	Kritzinger-Updegraff LASIK Flap Elevator & Manipulator
18-593	3	Slade LASIK Retreatment Spatula, smooth
18-594	4	Slade LASIK Retreatment Spatula, serrated
18-597	5	Machat LASIK Retreatment Spatula
18-592	6	Herzig Elevator & Retreatment Spatula
18-123	7	Fine-Thornton Swivel Fixation Ring, blunt teeth, 13 mm
18-1091	8	Buratto LASIK Flap Forceps
3-200100	9	Miltex® Single Tray with Silicone Mat ( <i>not illustrated</i> )

## LID SURGERY SET



REF	Key	Description
18-2162	1	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
7-8	2	Halsted Mosquito Forceps, straight
18-1489	3	Halsted Mosquito Forceps, curved (Qty 2)
7-501	4	Jones Towel Clamp
18-1472	5	Stevens Tenotomy Scissors, straight
5-304	6	Iris Scissors, Straight
4-401	7	Miniature Blade Handle, 3K type with locking chuck
18-1489	8	Westcott Tenotomy Scissors, curved
18-1486	9	Westcott Stitch Scissors, curved
18-1138	10	Berke Ptosis Forceps, 27 mm
18-1838	11	Barraquer Needle Holder, curved, without lock
18-120	12	Jaeger Lid Plate

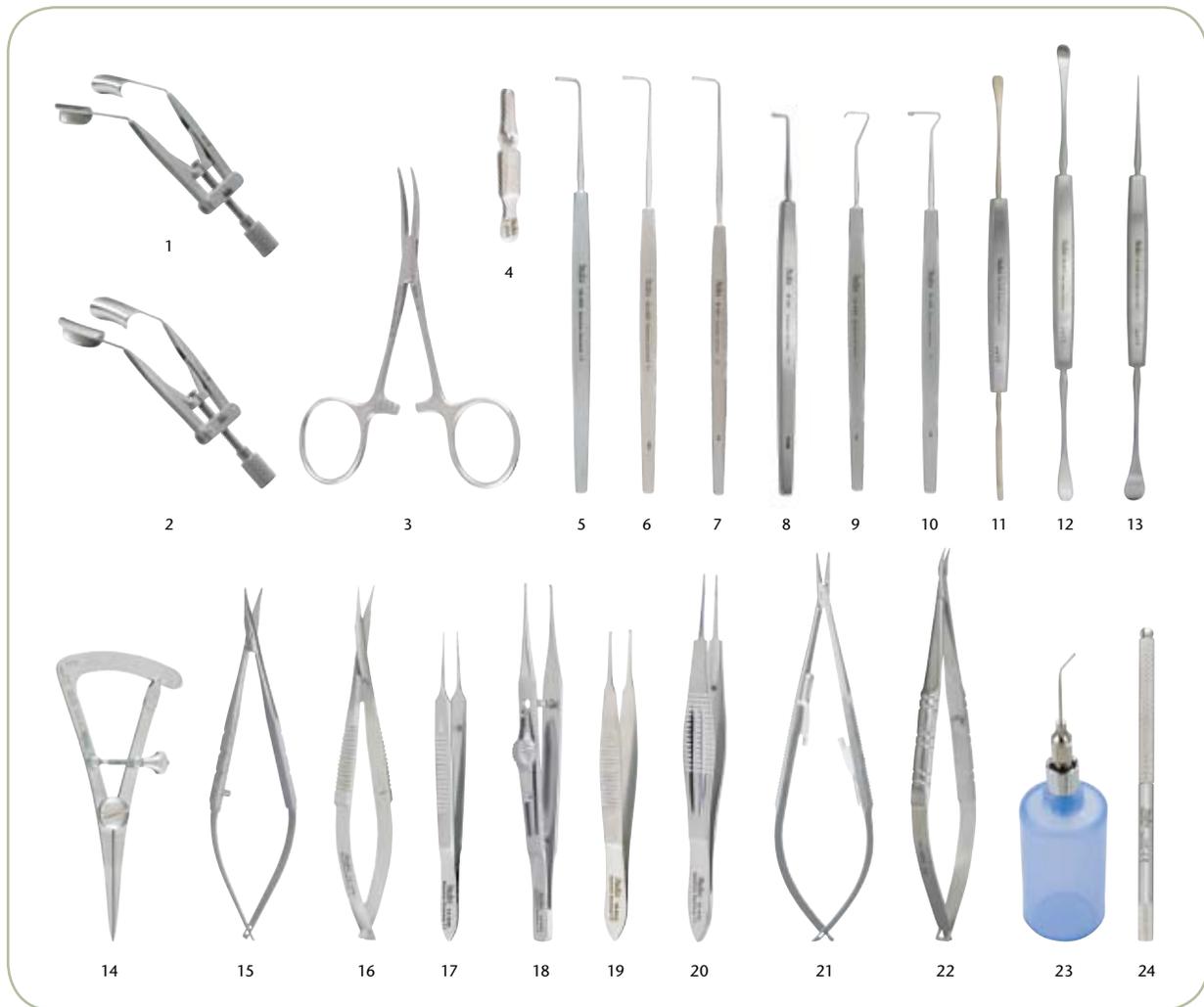
REF	Key	Description
18-1824	13	Castroviejo Needle Holder, curved, without lock
18-650	14	Castroviejo Caliper
18-112	15	Desmarres Lid Retractor, 14 mm
18-114	16	Desmarres Lid Retractor, 16 mm
18-116	17	Desmarres Lid Retractor, 18 mm
18-452	18	Von Graefe Strabismus Hook, medium
18-416	19	Guthrie Fixation Hook
18-971	20	Bonnacolto Forceps, longitudinal & cross serrated tips, 1.2 mm
18-868	21	Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm
18-951	22	Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm
18-948	23	McPherson Suture Forceps, 0.3 x 5 mm, no teeth
18-1150	24	Erhardt Lid Forceps
PM-5012	25	Laser Eye Shield, set of 2 with suction handle
PM-9425	26	Bipolar Jeweler Forceps, curved, 0.5 mm
PM-9450D	27	Disposable Bipolar Cord, 12 feet, sterile, 10/box
18-100	28	Knapp-Rollet Retractor, 4-sharp prongs
3-200200	29	Miltex® Double Tray with Silicone Mat ( <i>not illustrated</i> )

## CHALAZION SURGERY SET



REF	Key	Description
18-120	1	Jaeger Lid Plate
18-500	2	Meyerhoefer Chalazion Curette, size 1
18-502	3	Meyerhoefer Chalazion Curette, size 2
18-504	4	Meyerhoefer Chalazion Curette, size 3
18-506	5	Meyerhoefer Chalazion Curette, size 4
5-304	6	Iris Scissors, straight
18-975	7	Manhattan Eye & Ear Suture Forceps
18-1178	8	Hunt Chalazion Forceps
18-1208	9	Francis Chalazion Forceps
18-1833	10	Castroviejo Needle Holder, curved, extra delicate, with lock
4-401	11	Miniature Blade Handle, 3K type with locking chuck
3-200100	12	Miltex® Single Tray with Silicone Mat ( <i>not illustrated</i> )

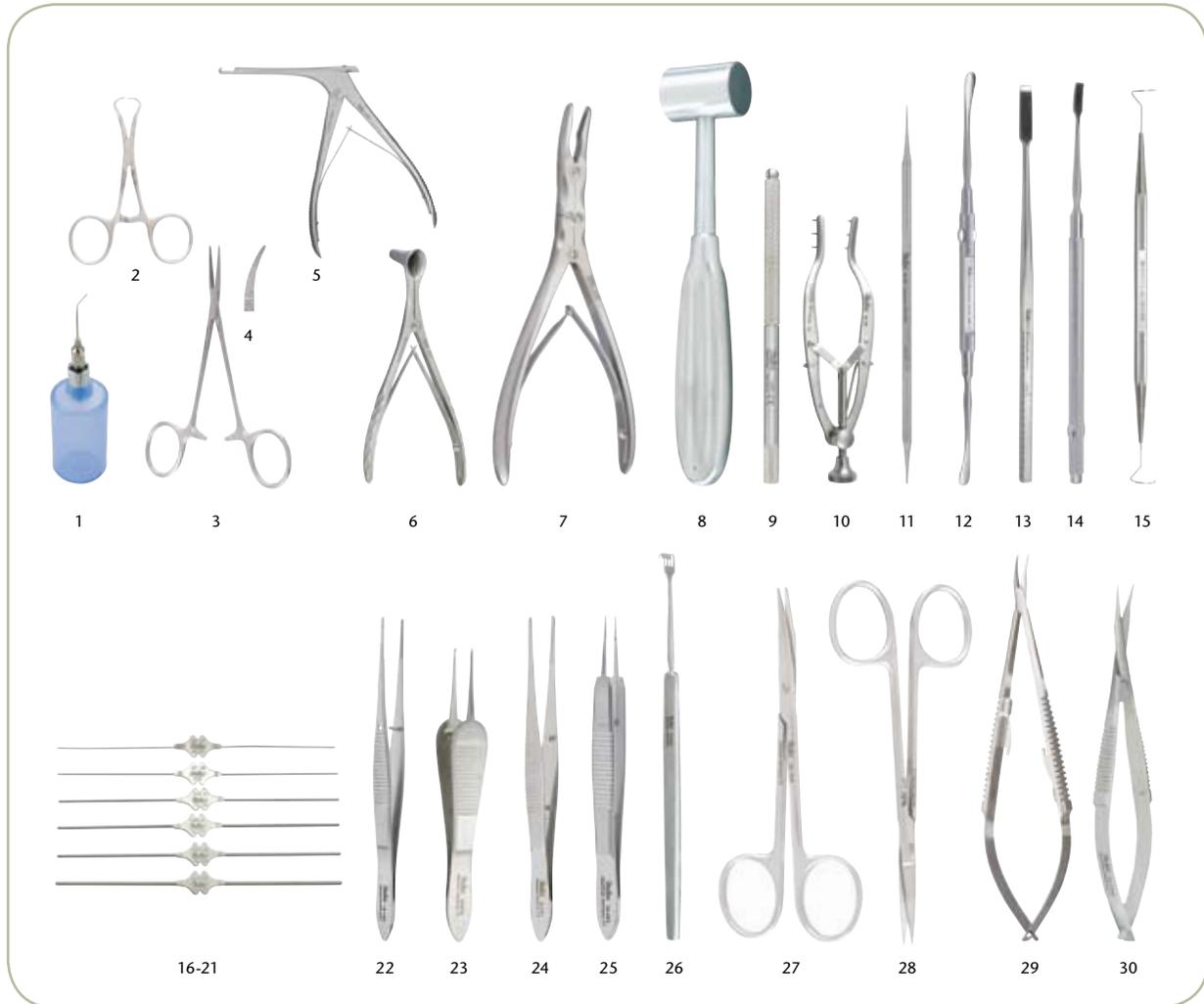
## STRABISMUS SURGERY SET



REF	Key	Description
18-37	1	Lieberman Eye Speculum, solid blade, small
18-38	2	Lieberman Eye Speculum, solid blade, large
7-26	3	Hartman Mosquito Forceps, curved (Qty 2)
7-304	4	Dieffenbach Serrefine, 1-1/2", straight (Qty 2)
18-450	5	Von Graefe Strabismus Hook, small
18-452	6	Von Graefe Strabismus Hook, medium
18-454	7	Von Graefe Strabismus Hook, large
18-440	8	Stevens Tenotomy Hook
18-442	9	Green Strabismus Hook
18-446	10	Jameson Strabismus Hook
18-564	11	Castroviejo Spatula
18-570	12	Green Spatula
18-568	13	Fisher Spoon & Needle

REF	Key	Description
18-650	14	Castroviejo Caliper
18-1489	15	Westcott Tenotomy Scissors, curved
18-1486	16	Westcott Stitch Scissors, curved
18-836	17	Bonn Suture Forceps, 1 x 2 teeth, 0.12 mm
18-628	18	Kirby Fixation Forceps, with lock
18-914	19	Lester Fixation Forceps, 2 x 3 teeth (Qty 3)
18-946	20	Harms Suture Forceps, smooth tying platform
18-1828	21	Castroviejo Needle Holder, straight, with lock
18-1853	22	Barraquer Needle Holder, curved, with lock
18-2162	23	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
4-401	24	Miniature Blade Handle, 3K type with locking chuck
3-200200	25	Miltex® Double Tray with Silicone Mats ( <i>not illustrated</i> )

## LACRIMAL SURGERY SET



REF	Key	Description
18-2162	1	Bishop-Harmon Irrigator, 19 gauge cannula w/bulb
7-504	2	Backhaus Towel Clamp
7-8	3	Halsted Mosquito Forceps, straight (Qty 2)
7-10	4	Halsted Mosquito Forceps, curved (Qty 2)
18-1990	5	Kerrison Rongeur, size 0, 3.5 mm
20-2	6	Vienna Nasal Speculum, large
19-844	7	Beyer Rongeur, curved
19-790	8	Gerzog Mallet, lead filled stainless
4-401	9	Miniature Blade Handle, 3K type with locking chuck
18-96	10	Stevenson Lacrimal Retractor
18-691	11	Castroviejo Lacrimal Dilator
18-1968	12	Freer Periosteal Elevator
18-1962	13	West Lacrimal Chisel, straight
18-1960	14	Freer Lacrimal Chisel, curved
PM-4739HL	15	Worst Pigtail Probe with suture holes

REF	Key	Description
18-740	16	Bowman Lacrimal Probe, size 0000-000
18-742	17	Bowman Lacrimal Probe, size 00-0
18-744	18	Bowman Lacrimal Probe, size 1-2
18-746	19	Bowman Lacrimal Probe, size 3-4
18-748	20	Bowman Lacrimal Probe, size 5-6
18-750	21	Bowman Lacrimal Probe, size 7-8
18-780	22	Eye Dressing Forceps, straight, 0.8 mm
18-974	23	Sauer Fixation Forceps, 1 x 2 teeth
18-971	24	Bonnaccolto Forceps, longitudinal & cross serrated tips, 1.2 mm
18-951	25	Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm
18-102	26	Knapp Retractor, 4-blunt prongs
18-1476	27	Stevens Tenotomy Scissors, curved
5-304	28	Iris Scissors, straight
18-1833	29	Castroviejo Needle Holder, curved, extra delicate, w/ lock
18-1486	30	Westcott Stitch Scissors, curved
3-200200	31	Miltex® Double Tray w/Silicone Mats (not illustrated)

## VITREORETINAL SURGERY SET



REF	Key	Description
18-12	1	Castroviejo Eye Speculum, medium
7-304	2	Dieffenbach Serrefine, straight (Qty 4)
7-8	3	Halsted Mosquito Forceps, straight (Qty 2)
5-304	4	Iris Scissors, Straight
18-2162	5	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
18-1472	6	Stevens Tenotomy Scissors, straight
18-1476	7	Stevens Tenotomy Scissors, curved
18-1489	8	Westcott Tenotomy Scissors, curved
18-1486	9	Westcott Stitch Scissors, curved
4-401	10	Miniature Blade Handle, 3K type with locking chuck
18-250	11	Schepens Orbital Retractor
18-452	12	Von Graefe Strabismus Hook, medium
18-2127	13	Retinal Detachment Hook ( <i>not illustrated</i> )
18-2181	14	Schocket Scleral Depressor ( <i>not illustrated</i> )

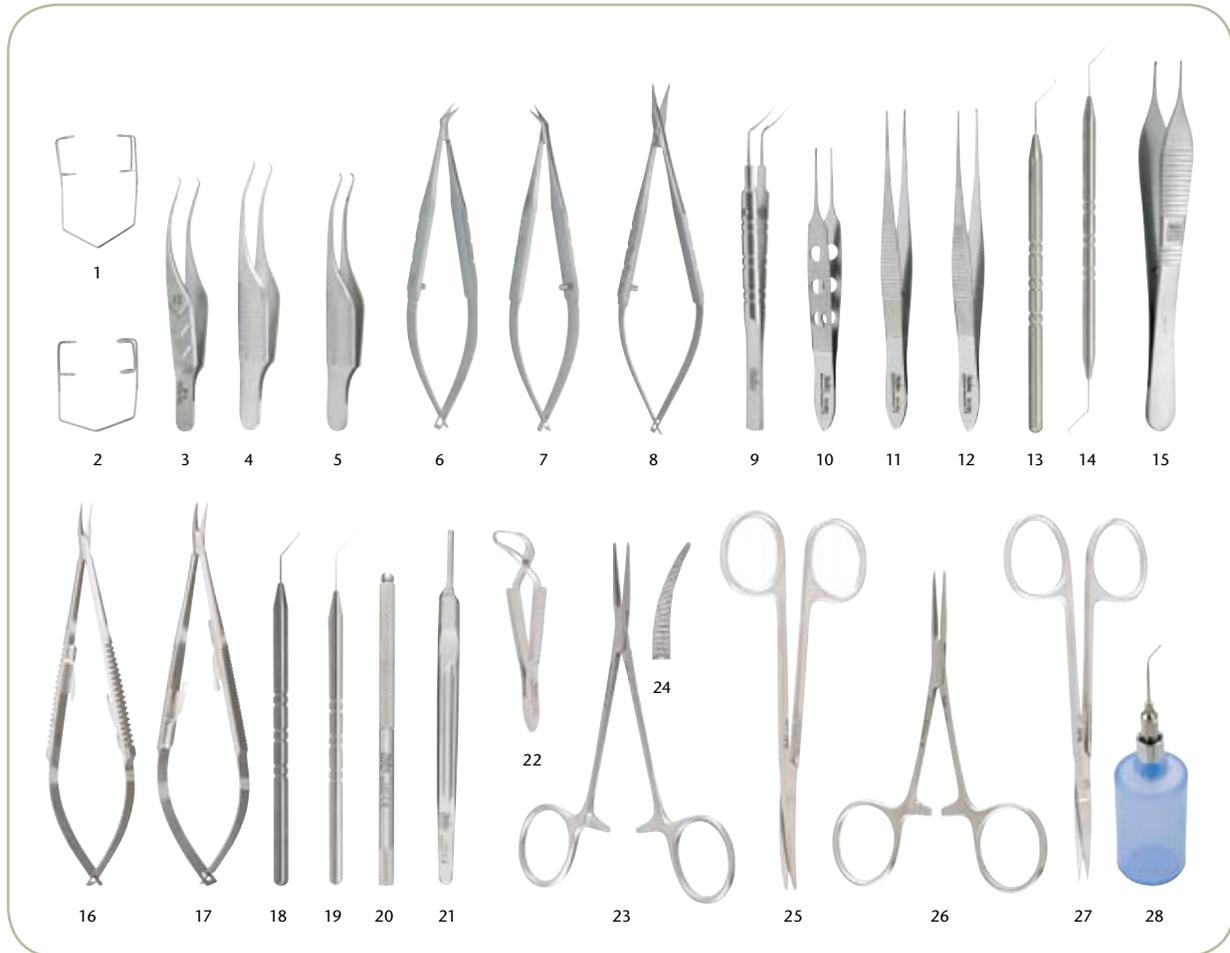
REF	Key	Description
18-650	15	Castroviejo Caliper
015999	16	Watzke Sleeve Spreading Forceps
18-971	17	Bonnaccolto Forceps, longitudinal & cross serrated tips, 1.2 mm
18-958	18	Nugent Utility Forceps, serrated
18-953	19	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
18-951	20	Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm
18-868	21	Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm (Qty 2)
18-1833	22	Castroviejo Needle Holder, curved, extra delicate, with lock
18-1831	23	Castroviejo Needle Holder, straight, extra delicate, with lock
18-922	24	McPherson Tying Forceps, straight
18-574	25	Castroviejo Cyclodialysis Spatula, 0.5 mm
PM-9450D	26	Disposable Bipolar Cord, 12 feet, sterile, 10/box
PM-9425	27	Bipolar Jeweler Forceps, curved, 0.5 mm
18-2153	28	Viscoelastic Aspiring Cannula, 22 gauge angled ( <i>not illustrated</i> )
3-200200	29	Miltex® Double Tray with Silicone Mats ( <i>not illustrated</i> )

## ENUCLEATION SURGERY SET



REF	Key	Description
18-2	1	Lancaster Eye Speculum
18-550	2	Wells Enucleation Scoop
18-452	3	Von Graefe Strabismus Hook, medium
18-1472	4	Stevens Tenotomy Scissors, straight
18-1498	5	Enucleation Scissors, strong curve
18-786	6	Iris Tissue Forceps, straight, 0.8 mm
7-10	7	Halsted Mosquito Forceps, curved
3-200100	8	Miltex® Single Tray with Silicone Mats ( <i>not illustrated</i> )

## VETERINARY OPHTHALMIC SURGERY SET



REF	Key	Description
18-35	1	Barraquer Wire Speculum, large
18-36	2	Barraquer Wire Speculum, small
18-928	3	Harms Colibri Forceps, 1 x 2 teeth, 0.12 mm
18-881	4	Pierse Colibri Forceps, 1 x 1 teeth, 0.3 mm
18-827	5	Troutman-Barraquer Colibri Forceps, 1 x 2 teeth, 0.4 mm
18-1579	6	Castroviejo Corneoscleral Scissors, right
18-1580	7	Castroviejo Corneoscleral Scissors, left
18-1489	8	Westcott Tenotomy Scissors, curved
18-1098	9	Kraff-Utrata Capsulorhexis Forceps, sharp tips
18-868	10	Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm
18-779	11	Iris Dressing Forceps, straight, 0.5 mm
18-785	12	Iris Tissue Forceps, straight, 0.5 mm
18-2019	13	Nagahara Phaco Chopper
18-2017	14	Chang Duo Quick Chopper, left
17-2500	15	Micro Adson Tissue Forceps, 1 x 2 teeth, 0.5 mm

REF	Key	Description
18-1833	16	Castroviejo Needle Holder, curved, extra delicate, w/lock
18-1832	17	Castroviejo Needle Holder, curved, with lock
18-466	18	Sinsky II Lens Manipulating Hook, angled
18-2008	19	Jaffe-Bechert Nucleus Rotator, blunt forked tip
4-401	20	Miniature Blade Handle, 3K type with locking chuck
4-16	21	Knife Handle, No. 9
7-501	22	Jones Towel Clamp
7-8	23	Halsted Mosquito Forceps, straight (Qty 2)
7-10	24	Halsted Mosquito Forceps, curved
5-284	25	Metzenbaum Scissors, curved
7-24	26	Hartman Mosquito Forceps, straight
5-304	27	Iris Scissors, straight
18-2162	28	Bishop-Harmon Irrigator, 19 gauge cannula, with bulb
3-200200	19	Miltex® Double Tray with Silicone Mats ( <i>not illustrated</i> )

# CANNULAE & DEPRESSOR



**BISHOP-HARMON Irrigation Cannula, Luer Lock**  
**18-2164** 19 gauge angled cannula

**BISHOP-HARMON Irrigator**  
**18-2162** 19 gauge angled cannula, adaptor and blue silicone bulb



**18-2164**



**18-2162**  
(not to scale)

**AIR INJECTION Cannula, Luer Lock**  
**18-2152** 30 gauge angled at 6 mm  
**18-2154** 27 gauge angled at 6 mm



**18-2152**



**18-2154**

**VISCOELASTIC Aspirating Cannula, Luer Lock**  
**18-2153** 22 gauge angled at 10 mm  
**18-2155** 19 gauge angled at 10 mm



**18-2155**  
**18-2153** (not shown)

**GASS Retinal Detachment Hook**  
**18-2127** 5-3/4" (14.6 cm), with oval hole



**18-2127**

**SCHOCKET Scleral Depressor**  
 double ended, with pocket clip  
**18-2181** 5-1/4" (13.3 cm)



**18-2181**

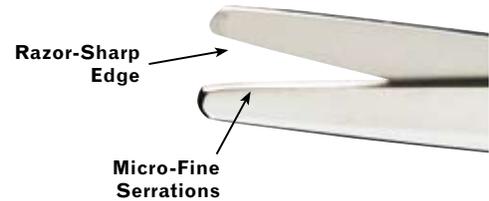
REFERENCE  
WARRANTY & REPAIR



## MILTEX® SUPERCUT SCISSORS

SuperCut Scissors have a specially designed razor-sharp upper blade edge that cuts effortlessly through tissue. The lower blade has micro-fine serrations to hold tissue and prevent slippage. For easy identification, Miltex® SuperCut Scissors have two black ring handles.

*SuperCut scissors are designed to cut tissue only. Dropping or mishandling will cause the razor-sharp edge to nick or become irregular. Proper handling will ensure lifetime service. Resharpenering at regular intervals is recommended and is a service that Miltex® provides.*

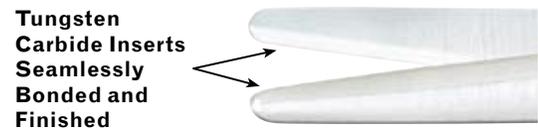


## MILTEX® CARB-N-SERT® SCISSORS\*

Carb-N-Sert® Scissors have Tungsten Carbide inserts seamlessly bonded to the upper and lower blades. These premium-grade scissors offer precision cutting performance as well as the durability of Tungsten Carbide cutting edges.

Carb-N-Sert® Scissors represent a considerable cost savings to the clinician as a result of consistently superior performance and extended service life.

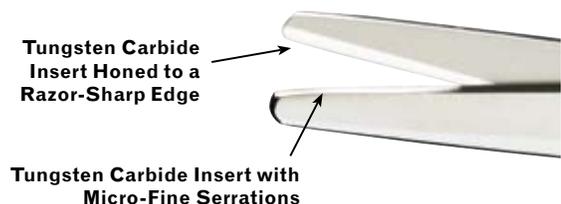
Miltex® Carb-N-Sert® Scissors are easily identified by their gold ring handles.



## SUPERCUT/CARB-N-SERT® SCISSORS\*

The combination SuperCut/Carb-N-Sert® Scissors by Miltex offer precision SuperCut performance with one lower serrated blade and one upper razor-sharp blade combined with the durability of Tungsten Carbide cutting edges.

SuperCut/Carb-N-Sert® Scissors are easily identified with one short and one long gold-plated ring handle.



*\* Note: cold or chemical sterilization is not recommended for Tungsten Carbide instruments.*

## AUTOCLAVING

Instruments are normally autoclaved with saturated steam at 134° Celsius, although a temperature of 121° Celsius may be used in conjunction with a longer exposure time on instruments with limited thermostability.

The sterilization procedure used on your instruments must be in compliance with sterilization standards and must be appropriate for the instruments to be sterilized. The packing materials used in the sterilization procedure must also be suitable for the procedure selected and must comply with all relevant quality sterilization standards.

## STEAM AUTOCLAVE GUIDE

Temperature	121-134° C
Pressure	30 PSI
Cycle Time	Approximately 30 minutes; must maintain noted temperature & pressure level for 15 minutes
Sterilant	Steam
Sterilization Range	Stainless steel, glassware, Selected rigid materials

*Be sure to refer to your autoclave manual or autoclave manufacturer for proper usage instructions.*

## Recommended Steps in Cleaning, Sterilization & Maintenance of Miltex® Surgical Instruments

### 1. HOLDING/PRESOAK

Never hold instruments in a dry container. Doing so allows blood and debris to dry onto instrument surfaces and makes cleaning more difficult. If rinsing and decontamination processes are not immediately available, pre-treat instruments or hold them in a neutral pH holding/presoak enzymatic solution after patient use but before actual cleaning. Miltex® Instrument Prep Enzyme Foam (3-760) is a ready to use foaming spray for pre-cleaning soiled instruments and scopes. Simply spray the foam on instruments until they are ready for processing. Also, Miltex® EZ-Zyme® (3-750 and 3-755) neutral pH all purpose multi-enzyme concentrate is ideal for instrument presoaking and pre-cleaning. As soon as possible, rinse and clean as follows:

### 2. RINSING

(Always wear safety protection gear.) Immediately after surgery, remove organic materials by rinsing instruments under warm (not hot) running water. Rinse should remove most blood, fluids and tissue. Do not process dissimilar metals (stainless, copper, chrome plated, etc.) together.

**Note:** *Disinfection can be included to protect medical personnel from contamination during cleaning; however, protection also can be accomplished by following standard precautions by wearing appropriate PPE as promulgated by OSHA & AORN.*

### 3. CLEANING

All blood, dried body fluids and tissue should be completely removed from instruments prior to sterilization. Several methods for removing these materials are available.

**A. Soak:** An enzymatic cleaner bath (soak) such as Miltex® EZ-Zyme® (3-750 and 3-755) or a solution of water and neutral pH (7) detergent such as Miltex® Surgical Instrument Cleaner (3-720, 3-725 and 3-726) is effective in removing organic material from instruments. Use distilled (demineralized) water, if possible. Instruments should be fully submerged for at least 10 minutes. Do not let "sharps" (scissors, knives, osteotomes, etc.) touch each other. Ensure that dissimilar metal instruments are separated. Rinse instruments under running water to remove solutions and change solutions frequently.

**B. Ultrasonic Cleaning:** Most instrument manufacturers recommend ultrasonic cleaning as the most effective way to clean surgical instruments, particularly instruments with hinges, box locks and other moving parts.

- All instruments must be fully submerged in an open position using distilled (demineralized) water, if possible. To prevent possible surface scratching make sure that "sharps" do not touch other instruments. Also, separate instruments of dissimilar metals.
- Process instruments for the full recommended ultrasonic cleaning cycle. Change solution frequently or as often as the manufacturer recommends.
- Rinse instruments with water to remove the cleaning solution. Miltex® EZ-Zyme® (3-750 and 3-755) or Miltex® Surgical Instrument Cleaner (3-720, 3-725 and 3-726) can be safely used with all ultrasonic units.

**C. Automatic Washer Sterilizers:** Following manufacturers' recommendations, ensure that instruments are lubricated before the sterilization cycle and after the last rinse cycle.

**CAUTION:** Needle holders and forceps may crack if sterilized with ratchet in closed position.

**D. Manual Cleaning:** If ultrasonic cleaning is not available, observe the following steps:

- Use stiff nylon cleaning brushes (3-1000). Do not use steel wool or wire brushes except stainless steel wire brushes (3-1001) specially recommended for instrument serrated areas, bone files, burs or on stained areas of knurled handles.
- Use only neutral pH (7) detergents such as Miltex® Surgical Instrument Cleaner (3-720, 3-725 and 3-726). If not rinsed off properly, low pH (acidic - less than 6 pH) detergents break down the stainless protective surface resulting in pitting and/or black staining on instruments. High pH detergents (alkaline - more than 8 pH) can cause brown stains (phosphate surface deposit) which can also interfere with the smooth operation of instruments. Most brown stains are not rust and are easily removed with Miltex® Surgical Instrument Stain Remover (3-740).
- Brush delicate instruments carefully, and if possible, separate them from general instruments.
- Make sure instrument surfaces are visibly clean and are free from stains and tissue. Miltex® Surgical Instrument Stain Remover (3-740) can help remove residue stains. This is also a good time to inspect each instrument for proper function and condition.
- Check scissors' blades to ensure proper function. Blades should open and close smoothly. Test cutting performance at 3/4 length of the blade with the materials recommended below. Scissors should cut all the way to the tips. Recommended cutting test materials:
  - Fine/Delicate scissors: Surgical glove
  - Medium scissors: Single layer of stocking/cast netting
  - Large/Utility scissors: Double layer of stocking/cast netting
- Check forceps (pickups) for proper jaw alignment. Teeth must meet properly without catching.
- Check hemostats and needle holders to ensure jaw tips close in first ratchet position and that the entire jaw closes in third ratchet position. Check instruments for loose hinges and verify that they lock and unlock easily. Also check instruments for wear on jaw surfaces.
- Suction tubes should be clean inside.
- Test Biopsy Punches by punching a clean hole in 3-6 mil thick poly-bag material. If poly-bag material is not available, use tissue paper.
- Retractors should function properly.

## Recommended Steps in Cleaning, Sterilization & Maintenance of Miltex® Surgical Instruments

- Cutting edge instruments and knives should be sharp and free of damage.
- After scrubbing, rinse instruments thoroughly under running water. While rinsing, open and close scissors, hemostats, needle holders and other hinged instruments to ensure that hinged areas are rinsed out and that no debris remains.

### 4. AFTER CLEANING

Separate dissimilar metals prior to sterilizing/autoclaving. If instruments will be stored, allow them to air-dry and store them in a clean and dry environment.

### 5. AUTOCLAVING

- A. **Lubricate all hinged instruments** which have any "metal to metal" action at the screw or box lock. A non-silicone, water-soluble surgical lubricant such as Miltex® Lube (3-700 or 3-705) is recommended. Do not use industrial oils or lubricants.
- B. **Sterilize instruments** either individually or in sets.
- **Individual Instruments:** Disposable paper or plastic pouches are ideal. Make sure to use a wide enough pouch for instruments with ratchet locks so instruments can be sterilized in an open (unlocked) position. Instruments locked during autoclaving can develop cracked hinges (box locks) or other problems because of heat expansion. If wrapping instruments, make sure the towel does not contain detergent residue which can stain instruments.
  - **Instrument Sets:** Unlock all instruments and sterilize in an open position. Place heavy instruments on the bottom of set (when two layers are required). Do not overload the chamber because an air pocket that hinders steam penetration may form.

**CAUTION:** With most portable tabletop autoclaves, unlock the door and open it no more than a crack, about 1/4" (6.4 mm). (at the end of the autoclave cycle and before the drying cycle) Then run the dry cycle for the period recommended by the autoclave manufacturer. If the autoclave door is fully opened before the drying cycle, cold air will rush into the chamber and will cause condensation on the instruments, potentially resulting in water stains or causing wet packs. Make sure autoclave filters and chambers are cleaned as recommended by the manufacturer. Miltex® Surgical Instrument Stain Remover (3-740) is effective in removing stains and in cleaning the autoclave chamber. If you have any unusual staining on your instruments after sterilization, obtain our Instrument Care System DVD (3-810) or contact your local Miltex® representative.

### 6. CHEMICAL/COLD STERILIZATION

Most chemical/cold sterilization solutions render instruments sterile only after 10-hour immersion. This prolonged chemical action can be more detrimental to instruments than the usual 20-minute autoclave cycle. If the instruments need to be "disinfected" only, a chemical/cold sterilization soak is acceptable, as disinfection will take approximately 10 minutes or more. Check manufacturers' specifications. Also see our warning in using bleach (paragraph 3).

Keep in mind the difference between:

- Sterile - an absolute term (no living organism survives); and
- Disinfected - basically clean. Some organisms may survive. Always use the proper sterilization/cleaning technique to render the instrument in the required condition for use.

**CAUTION:** For instruments with tungsten carbide insert jaws, the use of chemical/cold sterilization solutions is not recommended as it may deteriorate the instrument's jaw.

**We recommend these Miltex products to properly safeguard and care for your quality instruments.**

REF	Description	Use During
3-760	Instrument Prep Enzyme Foam 24 oz. spray	• Holding & presoak
3-750	EZ-Zyme®, All Purpose Enzyme Cleaner Box 32 - 3/4 oz. packets	• Holding & presoak • Soak cleaning • Ultrasonic cleaning
3-755	EZ-Zyme®, All Purpose Enzyme Cleaner 1-gallon pump bottle	• Manual cleaning • Laundry presoak
3-700	Spray Lube 8 oz. spray bottle	• Before autoclaving
3-705	Surgical Instrument Lubricant 1-gallon pump bottle	
3-710	Surgical Instrument Cleaner & Lubricant 1-gallon pump bottle	• Manual cleaning • Washer/decontaminator • Ultrasonic cleaning
3-720	Surgical Instrument Cleaner 8 oz. spray bottle	• Soak cleaning • Ultrasonic cleaning • Manual cleaning
3-725	Surgical Instrument Cleaner 1-gallon pump bottle	
3-726	Surgical Instrument Cleaner Box 80 - 1/4 oz. packets	
3-740	Surgical Instrument Stain Remover 3 oz. jar	• Stain removal
3-1000	Nylon Instrument Cleaning Brushes 3-pack	• Manual cleaning of instruments
3-1001	Stainless Steel Instrument Cleaning Brushes 3-pack	
3-800	Instrument Care System	• Complete instrument care
3-810	Instrument Care DVD	• Training personnel in the care of instruments

## INSTRUMENT WARRANTY

Miltex® and Padgett® Instruments are guaranteed to be free from material defects. Our Guarantee also includes a commitment to the very highest standards of quality craftsmanship which will be employed in the manufacture of each and every Instrument. If either of these high standards are not met by Miltex, our customer may return the Instrument to be repaired or replaced at our discretion and at no charge to the customer.

### PRODUCT WARRANTY

Miltex also offers to our customers an array of complementary surgical and dental products. These are held to the same high standards of material and workmanship as our instruments. However, all of these quality products are also provided with a limited one-year warranty.

- Chiropractic and Auto-Surgical Mallets
- Laparoscopic Instruments and Scopes
- Instrument Containers and Cassettes
- Chrome Instruments
- Electrosurgical Instrumentation
- Electrical Devices
- Podiatry Nipper/Splitter Springs
- Fiber Optic Instruments / Accessories

### REPAIR WARRANTY

If for any reason a customer is dissatisfied with a Miltex® repair, we guarantee to replace or again repair the product at no charge if the instrument is returned within 30 days. We request that our customers assist us in protecting our employees by returning cleaned and sterilized instruments for repair.

### WARRANTY STIPULATIONS

Our Warranty is effective from the date-of-purchase only from either Miltex or an Authorized Miltex Distributor. The warranty remains in effect if the Instrument or Product is used for its intended surgical or dental purpose as well as continuous and proper care of the Instrument or Product is maintained.

### OTHER WARRANTY INFORMATION FOR OUR CUSTOMERS

- We ask our customers to use only the Miltex® Repair Services for our products so the warranty remains in effect.
- We love to meet your unique or special needs with custom produced products. However, these are not returnable.
- Miltex offers excellent Care and Cleaning products for our instruments. Please use these products or other appropriate cleaning products to properly maintain your instrument as a valuable asset. Proper care and cleaning of your instruments is also a requirement to maintain the instrument warranty.
- We strongly recommend that you use the appropriate instrument for the identified clinical need. Misuse of instruments can cause damage to the instrument or product and will void the warranty.
- Hurricanes, fires or other disasters will void the warranty of your instruments.

### A FINAL & REQUISITE STATEMENT

As set forth in these Terms, Conditions, Policy and Warranty, Miltex makes no other representations, either expressed or implied, which supersede the above descriptions. In no event will Miltex be liable for any incident, special or exemplary damages or loss of profits in connection with the use of a Miltex® Instrument or Product.

## TERMS & CONDITIONS

### ORDERS AND QUOTATIONS

Contact Integra Miltex toll free 1-800-654-2873 to place orders and for formal quotations. Orders may also be placed via toll-free fax 1-888-980-7742 or through Electronic Data Interchange (EDI).

### TERMS

All invoices are payable net 30 days from date of invoice.

### FREIGHT

Prices quoted are FOB factory. Prices are subject to change without notice.

Orders will be shipped via the carrier of Miltex's choice unless the distributor requests a particular service. If a special request is made, an additional handling charge will be included on the invoice to cover the resulting processing and carrier charges.

### ACCEPTANCE

All orders are subject to approval by Miltex.

Miltex herewith reserves the right to alter the design or form of any product or to discontinue any product prior to the date of delivery without incurring any obligation to make such changes in any items previously purchased, whether or not delivered.

### CREDIT

Integra Miltex reserves the right to refuse orders, suspend credit and cancel unfulfilled orders when credit conditions of a customer warrant such action.

### SHIPMENTS, DAMAGES, & SHORTAGES IN TRANSIT

Shipment schedules are approximate and are as accurate as conditions permit on the date the schedules are provided. Integra Miltex assumes no responsibility or liability for unforeseen delays in making delivery. When signing for receipt of goods, all visible damage and/or shortages to cartons must be indicated on the carrier delivery receipt so that a claim may be filed with the carrier.

The customer shall inspect all items upon arrival and give written notice to Integra Miltex of any claim for a shortage or non-conformance within 7 days after receipt of shipment.

Integra Miltex may make partial shipments, which the distributor shall accept and pay for at the prices specified on maturity of the invoice involved.

### RETURN MATERIALS POLICY

A Returned Materials Authorization number (RMA) must be obtained prior to returning product to Integra Miltex. Product returned without an RMA number will be returned directly to the distributor with a letter of explanation. Returns can only be granted and authorized by obtaining an RMA number from Integra® Miltex® customer service at toll free 1-800-654-2873.

Issue of an RMA number should not be interpreted as a final credit to your customer account. Integra Miltex reserves the right to evaluate incoming returns prior to issuing any customer credit.

There will be a 15% restocking charge for product returned after 60 days but before 120 days after receipt of shipment. Product must be returned unused in its original packaging. No returns will be accepted after 120 days after receipt of shipment. Non-returnable products received by Integra Miltex will be returned directly to the distributor, at our cost, with a letter of explanation.

Sterile products which have been opened, returned out of the original package or returned after the sterile expiration date are not returnable. Discontinued products, medicament products, private labeled, custom made, custom etched or neutralized products are not returnable. Broken instruments noted as 'Sharps' have special handling and return requirements. Call customer service toll free 1-866-854-8300 for information regarding special shipping and handling requirements.

## INSTRUMENT SERVICE, REPAIR AND RETURN INSTRUCTIONS

Integra Miltex offers you the expertise and convenience of operating its own in-house Service and Repair Department. Please follow our simple return instructions to ensure all returns and repairs are processed correctly and in a timely manner. Your instruments are as important to us as they are to you.

Please contact our Customer Service Department at 1-800-654-2873 or [custsvcnj@integralife.com](mailto:custsvcnj@integralife.com) to obtain a Return Material Authorization (RMA) number. The RMA number is required before instruments are returned for repair.

Be prepared to provide the following information:

- Customer account number
- Customer purchase order number

**IMPORTANT:** Any instrument sent to Integra Miltex without an RMA number will be returned to sender without being evaluated or repaired.

If you have questions or comments, contact Customer Service at 1-800-654-2873 or [custsvcnj@integralife.com](mailto:custsvcnj@integralife.com).

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