

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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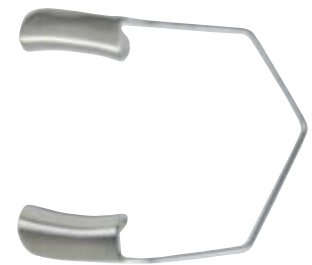
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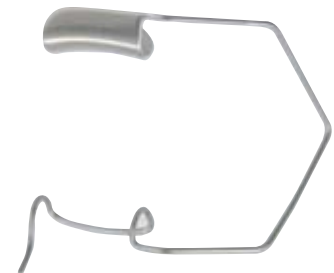
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SPECULA

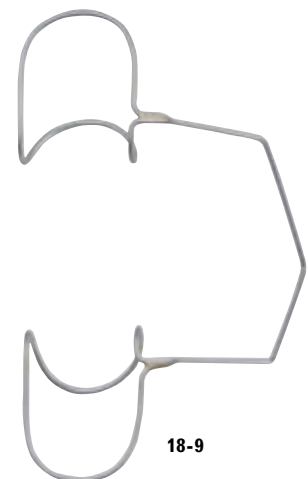


BARRAQUER Wire Speculum**18-35** 1-3/4" (4.4 cm), large blades 14 mm**18-36** 1-1/4" (3.2 cm), small blades 10 mm**18-35****18-36****BARRAQUER Wire Speculum, Solid Blades****18-17** 1-1/3" (3.3 cm), small blades 10 mm**18-18** 1-1/2" (3.8 cm), large blades 15 mm**18-17****18-18****KRATZ-BARRAQUER Wire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

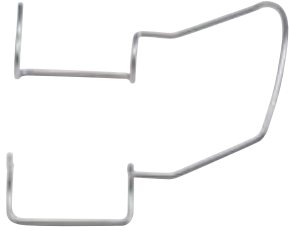
Temporal Approach Wire Speculum

with spring on nasal side

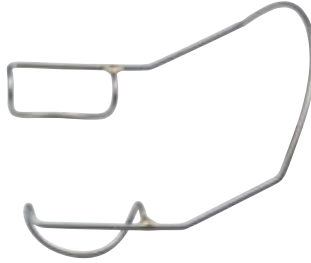
18-44 1-1/2" (3.8 cm), open wire, 15 mm blades

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

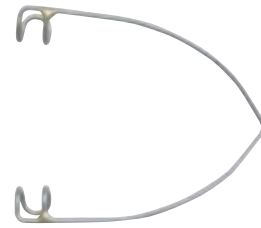


18-46

Infant Lid Speculum

closed wire blades with gently curved springs

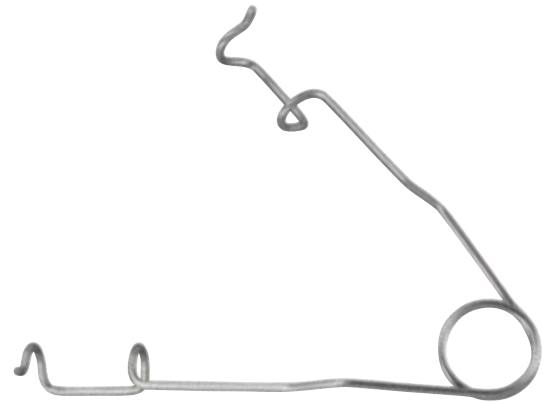
18-595 1-1/3" (3.3 cm), 4 mm blades



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

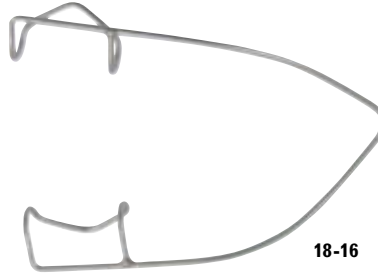
NOTE: All above instruments are Non-Magnetic

McINTYRE Wire Speculum, V-Shaped Blades

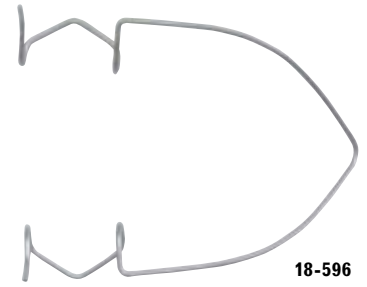
Blade shape helps to position and hold surgical drape under the eyelids.

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

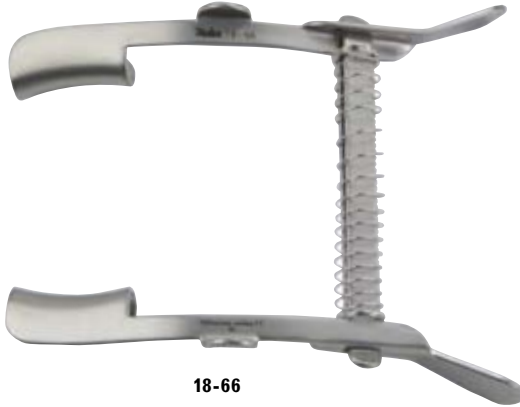
NOTE: All above instruments are Non-Magnetic

MELLINGER Eye Speculum, Self Retaining

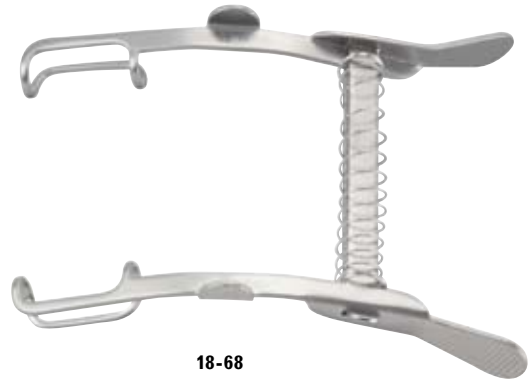
for optimized access with Phaco or I/A tip to the cataract incision.

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

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



18-66

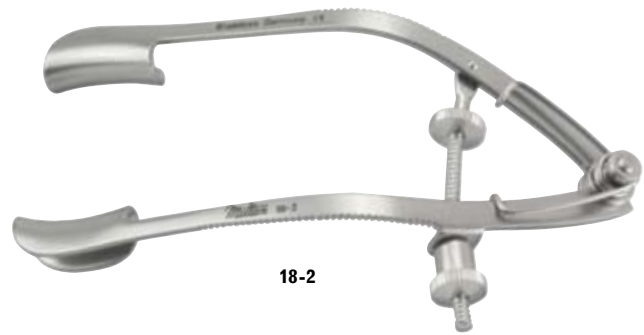


18-68

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**

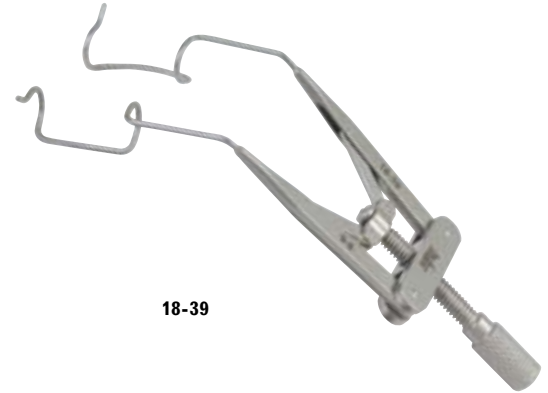
with adjustable locking mechanism

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**

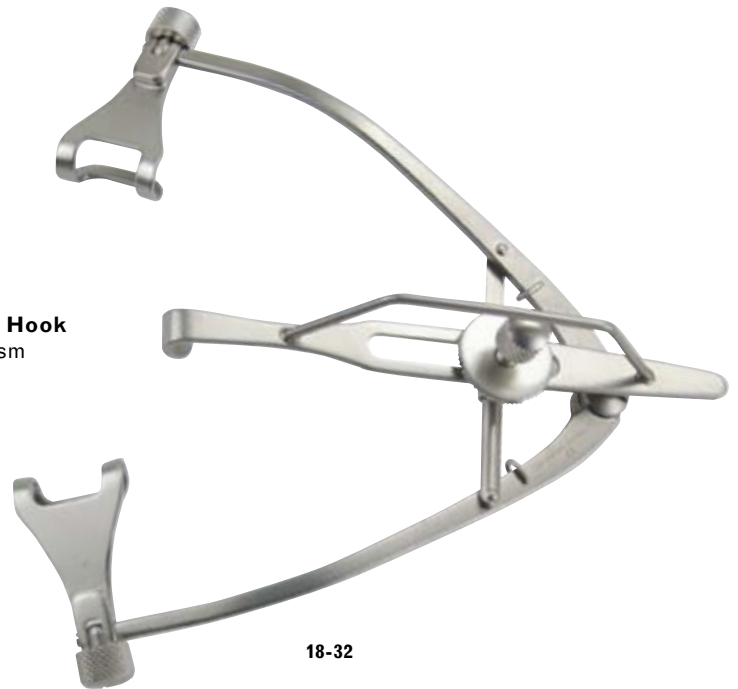
NOTE: All above instruments are Non-Magnetic

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

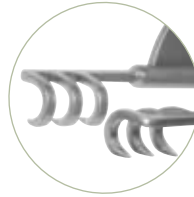
SELF RETAINING
FINGER HELD



AGRICOLA Lacrimal Sac Retractor

with adjustable locking mechanism

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

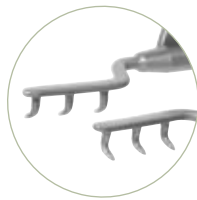


18-80

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



DESMARRES Lid Retractor, Insulated

5-1/2" (14 cm)

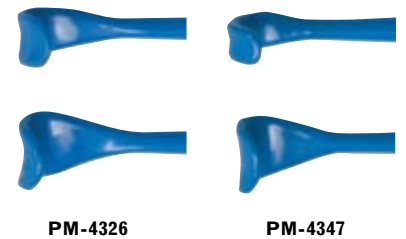
- PM-4315IN*** size 0, 10 mm
- PM-4316IN*** size 1, 12 mm
- PM-4317IN*** size 2, 14 mm



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



KASDAN Retractor, Double Ended

6-1/4" (15.9 cm)

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



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)



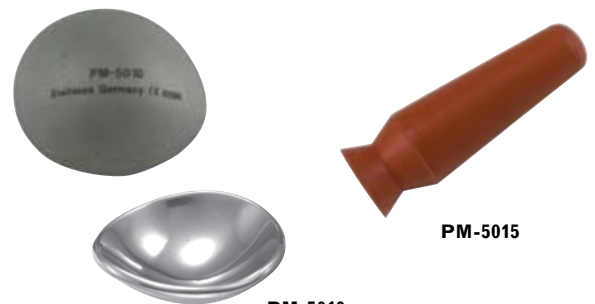
18-569

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

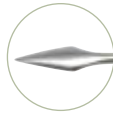
18-330 4-3/4" (12.1 cm), 3.5 mm wide blade**18-330****TOOKE Corneal Knife****18-350** 4-1/2" (11.4 cm), 2.5 x 15 mm dissecting blade**18-350****DESMARRES Corneal Dissector****18-331** 4-3/4" (12.1 cm), 3 x 8 mm blade**18-331**

WALTER Corneal Spud

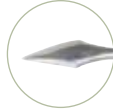
4-5/8" (11.8 cm)

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)

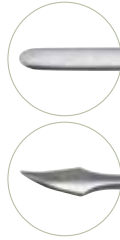


18-301

DIX Foreign Body Needle & Spud

protected in sliding handle

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

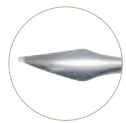


18-400

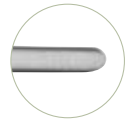
DIX Foreign Body Needle & Spud

protected in reversible screw handle

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



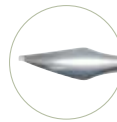
18-402



DIX Foreign Body Needle

replacement, fits 18-402 screw handle

18-402A

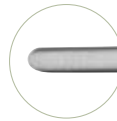


18-402A

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

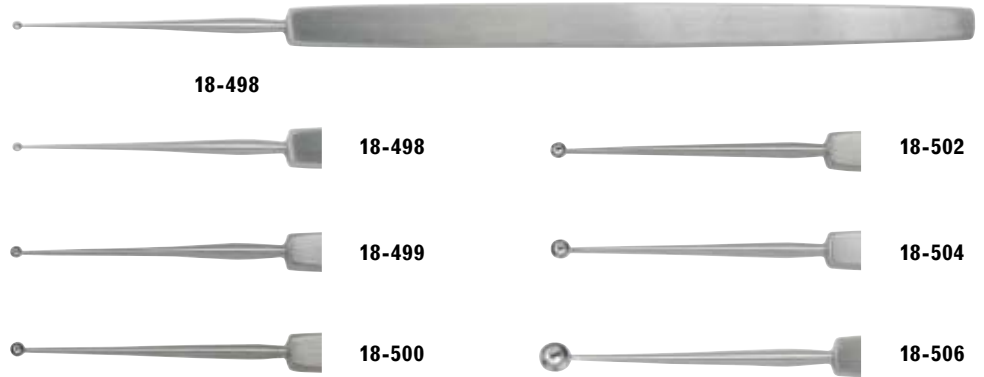
18-499 size 0, 1.5 mm

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

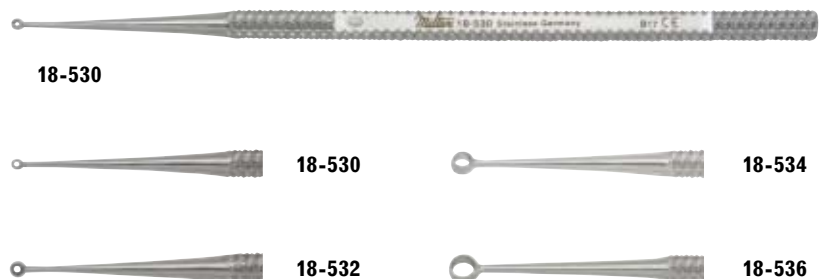
one sharp and one blunt edge, 4" (10.2 cm)

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

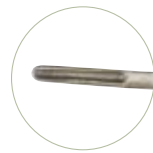
double ended, sterling, 3.5 mm wide angled and 2 mm wide slightly curved
18-564 5-1/2" (14 cm)

**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**

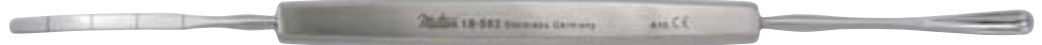
curved spoon end 7 x 15 mm, needle 33 mm long
18-568 5-1/2" (14 cm)

**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

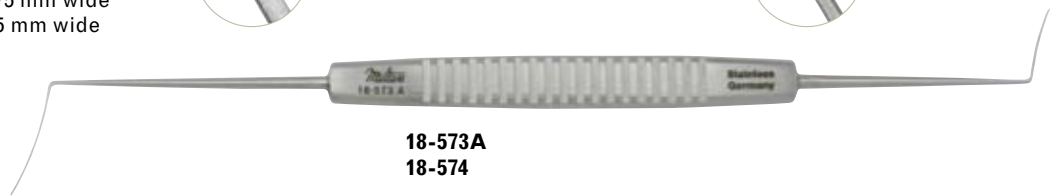
18-574 blades 10 mm & 15 mm, 0.5 mm wide



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

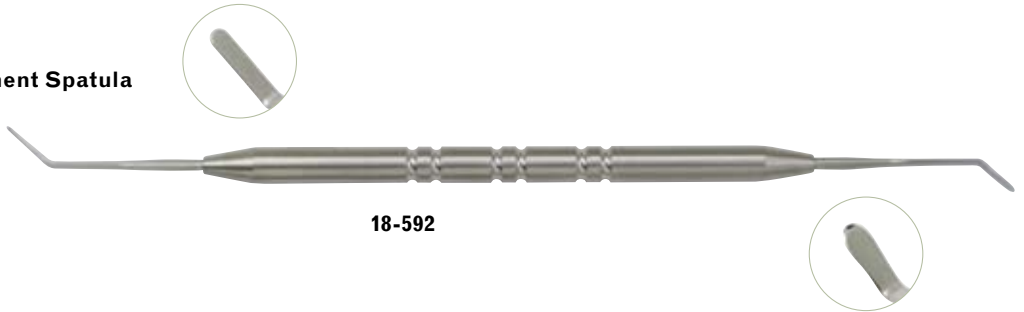
angulated tip helps to separate and break epithelial bond, spatula aids lifting flap and separating epithelium

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)



ROSEN Phaco Splitter

60° angled wedge shaped inferior edge with blunt tip

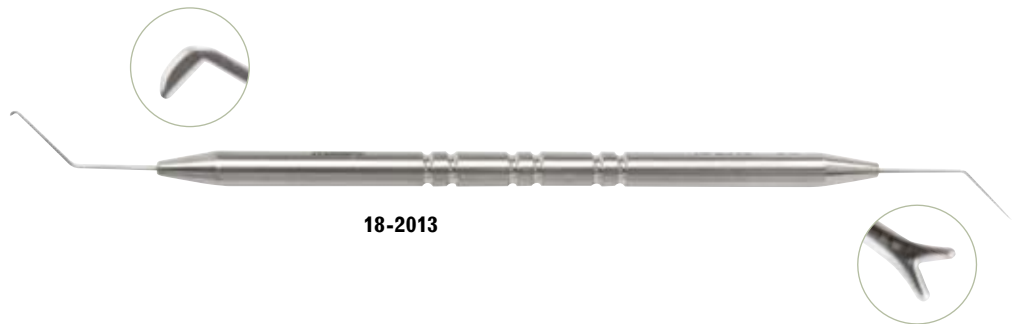
18-2015 4-1/2" (11.4 cm)



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)



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



NAGAHARA Phaco Chopper

60° 1.5 mm cutting edge

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



NAGAHARA Phaco Chopper

90° 1.5 mm cutting edge

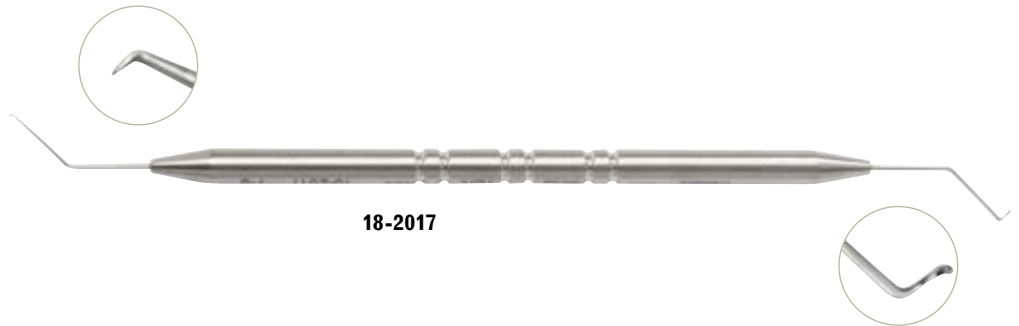
18-2019 4-1/2" (11.4 cm)



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)



18-2010

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



18-2011

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



18-2012

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



18-2021

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



18-2022

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



18-2023

SIEPSEK 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)



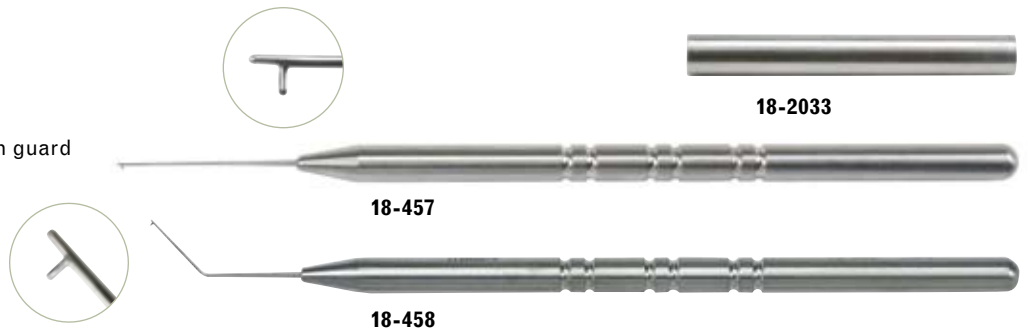
FENZL Lens Manipulating Hook

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



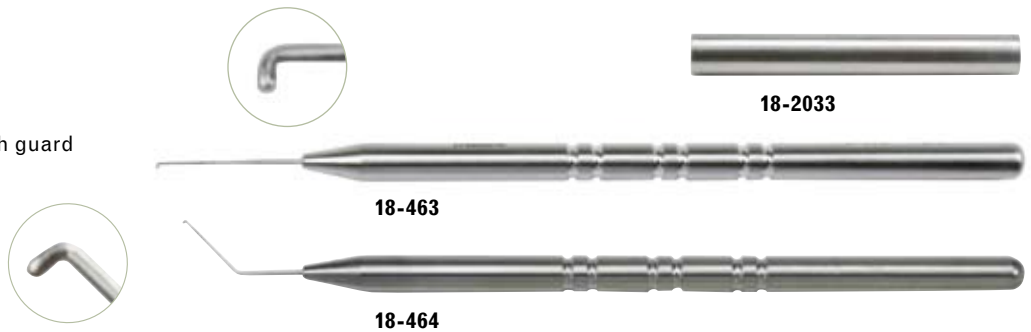
SINSKEY Lens Manipulating Hook

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



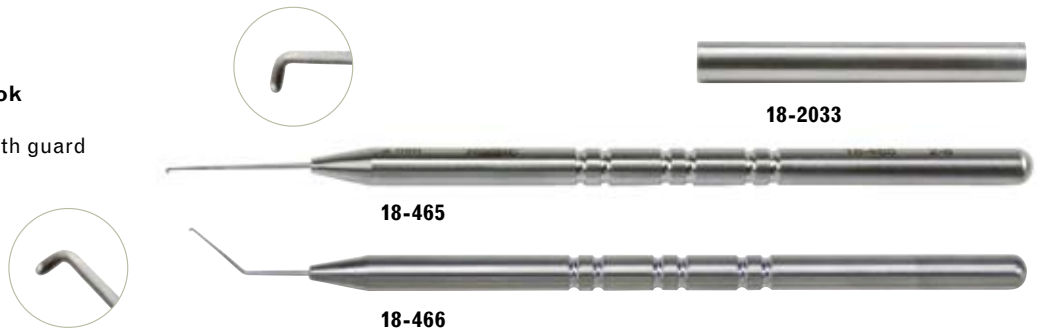
SINSKEY II Lens Manipulating Hook

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



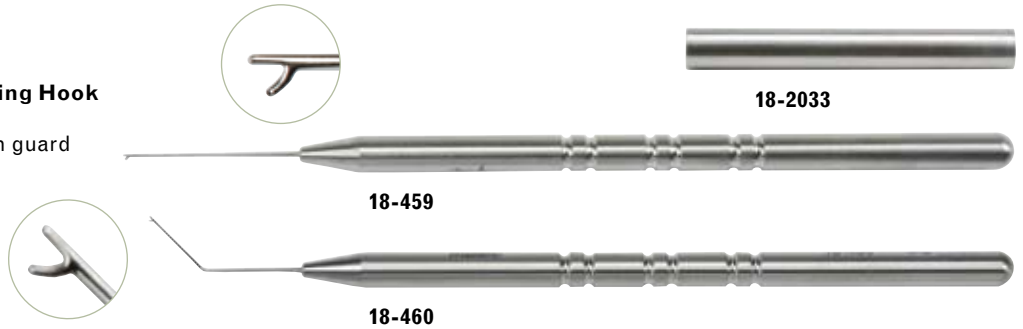
MALTZMAN-FENZL Lens Manipulating Hook

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



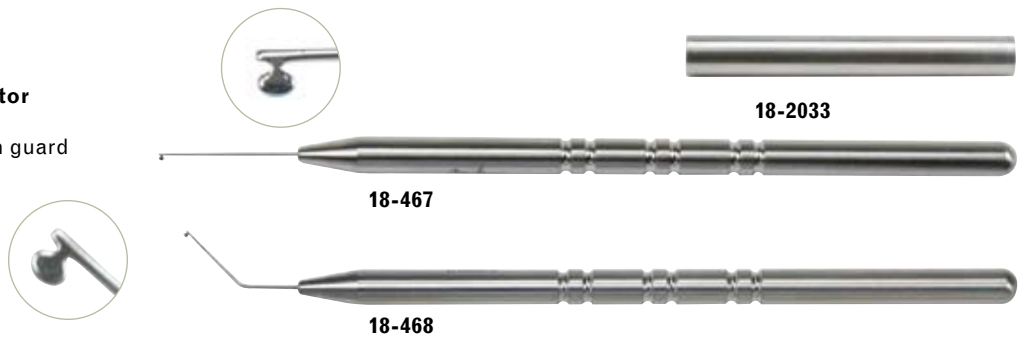
KUGLEN Iris Hook & Lens Manipulator

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

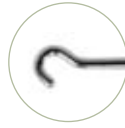
18-421 4-3/4" (12.1 cm), blunt



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

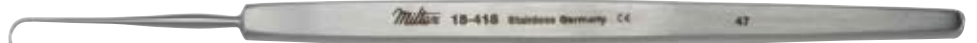


18-469

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

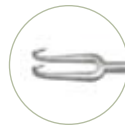


18-417

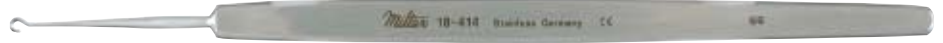
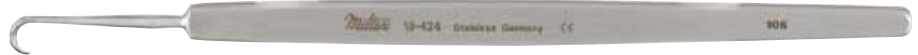
GUTHRIE Fixation Hook

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

FORCEPS



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)



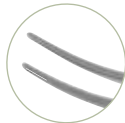
18-1081

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



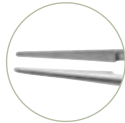
18-925

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

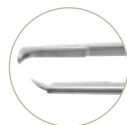
1 x 2 teeth with tying platform,
11 mm wide handles
4-1/4" (10.8 cm)

PM-3726* 0.3 mm

PM-4908* 0.5 mm

PM-3727* 0.9 mm

PM-3731* 1.5 mm



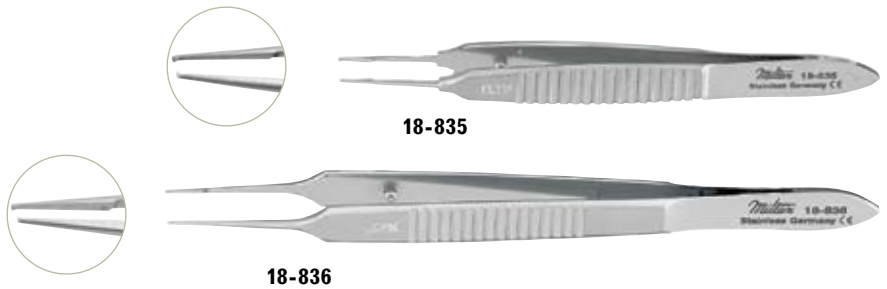
PM-3726
PM-4908
PM-3727
PM-3731

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

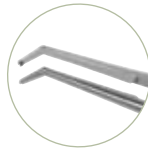
18-975 3-1/2" (8.9 cm), 0.7 mm



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



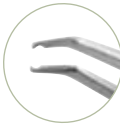
18-828

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

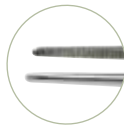
Eye Dressing Forceps

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

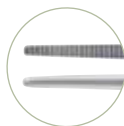
Eye Dressing Forceps

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

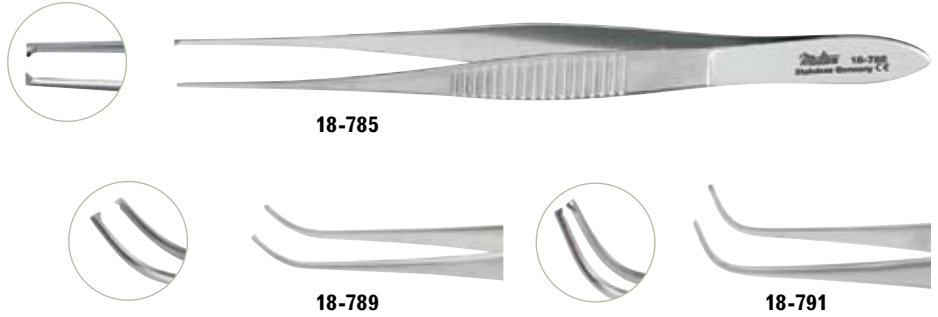


18-784

Iris Tissue Forceps

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

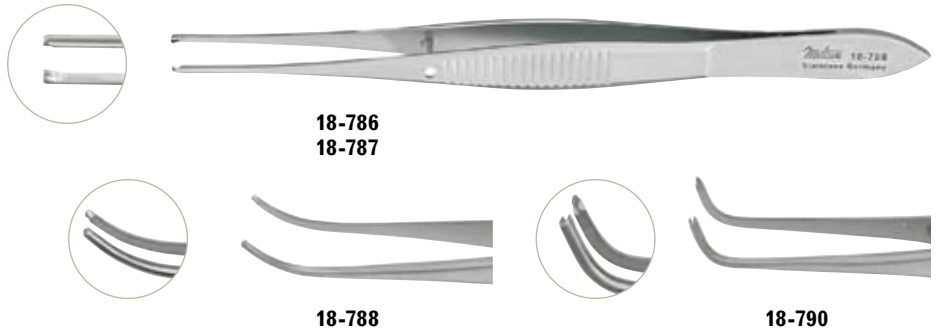
- 18-785** straight
- 18-789** half curved
- 18-791** full curved



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



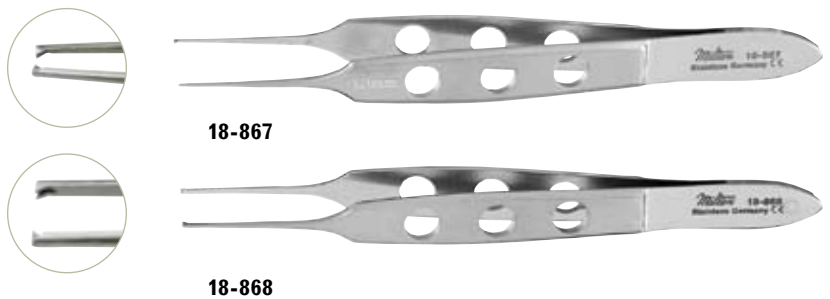
BISHOP-HARMON Dressing Forceps

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



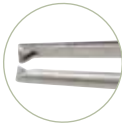
**PM-4793
PM-4792
PM-4791**

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



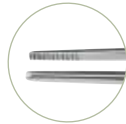
18-820

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

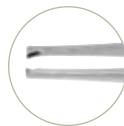


18-840

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)



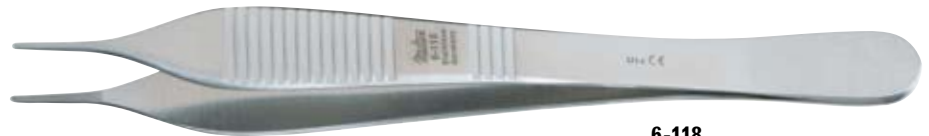
18-980

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



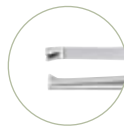
6-120



6-120A

ADSON Tissue Forceps

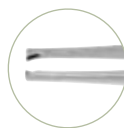
1 x 2 teeth, delicate, lightweight
 fenestrated handles
6-120XL 4-3/4" (12.1 cm)



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



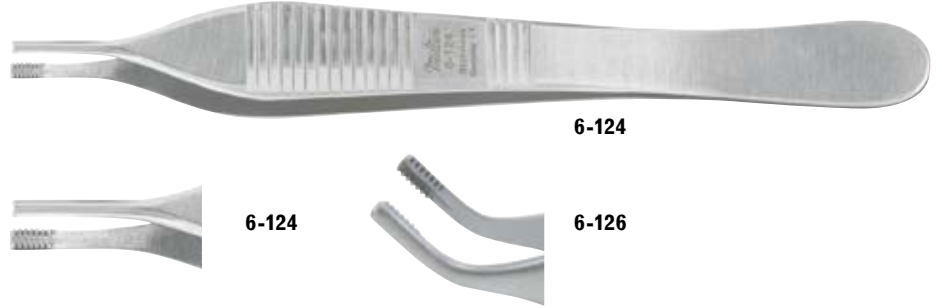
6-122



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



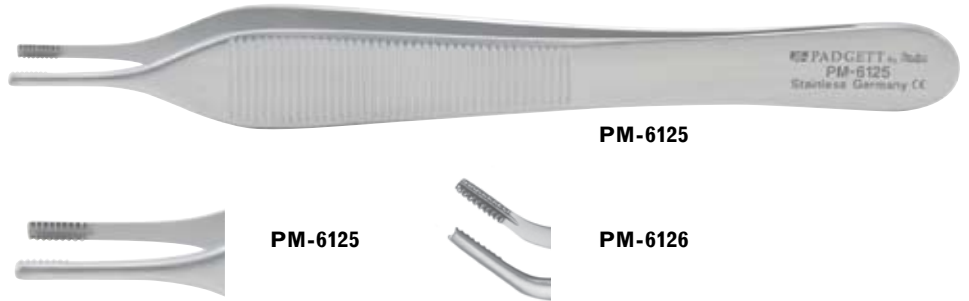
BROWN-ADSON Tissue Forceps

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)



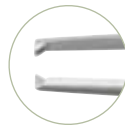
PM-4842

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



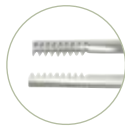
PM-0326

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



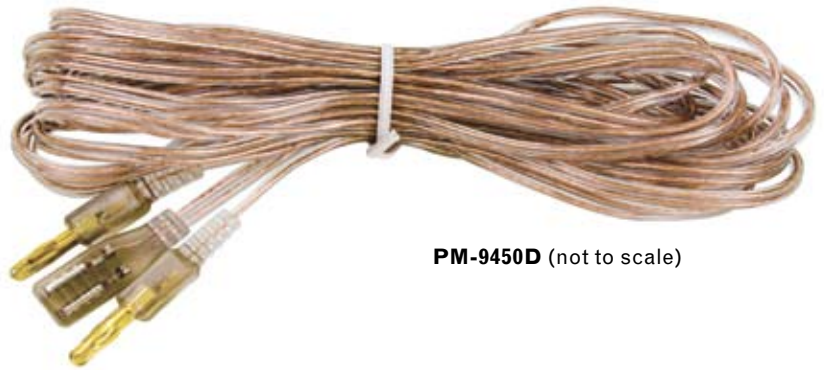
PM-9431

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



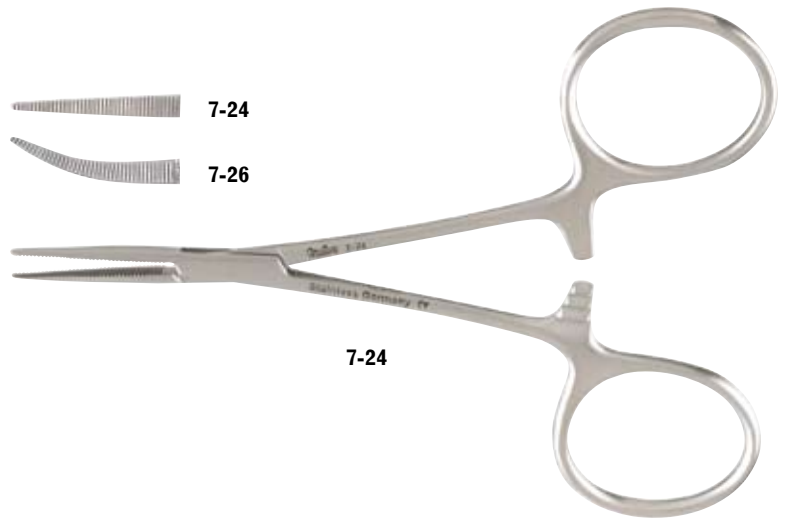
015999

HEMOSTATS & CLAMPS



HARTMAN Mosquito Forceps

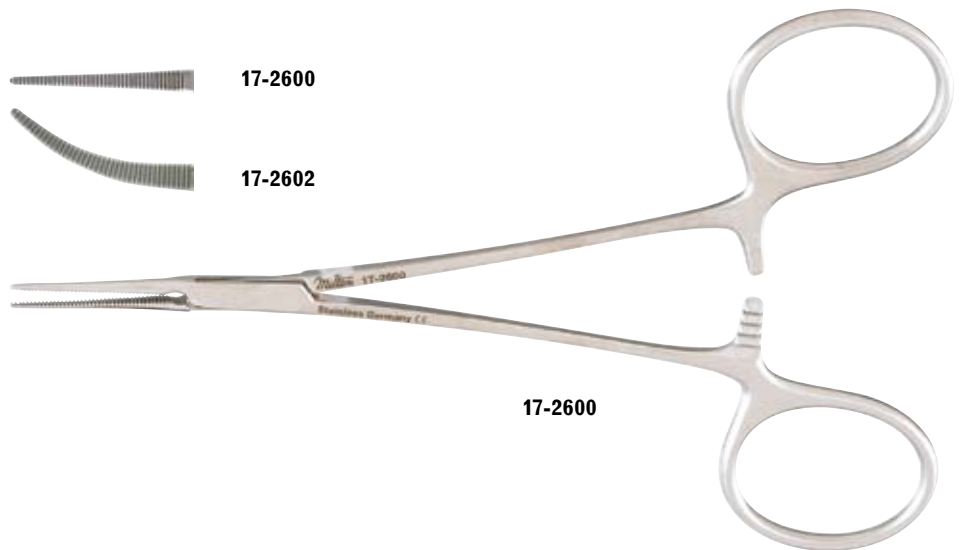
7-24 4" (10.2 cm), straight
 7-26 4" (10.2 cm), curved



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



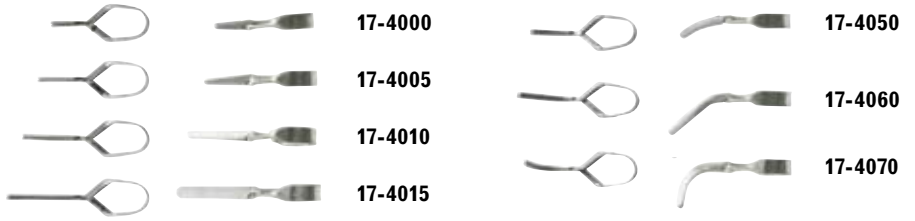
7-310



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



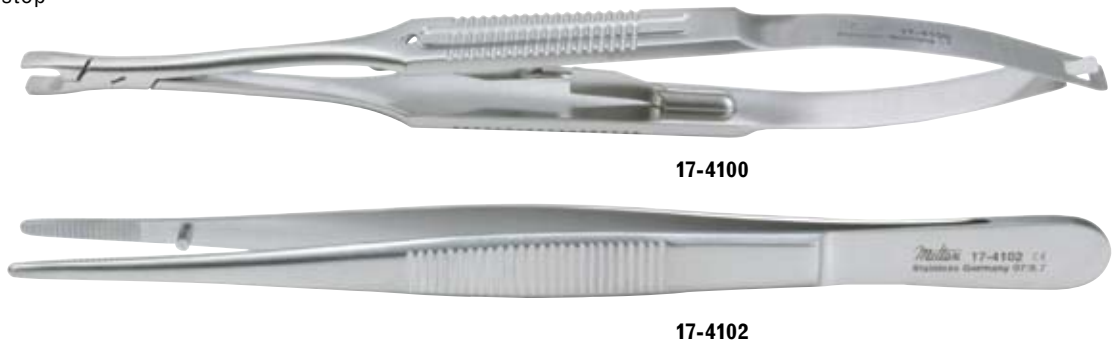
Micro Clip Approximator Set

- 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



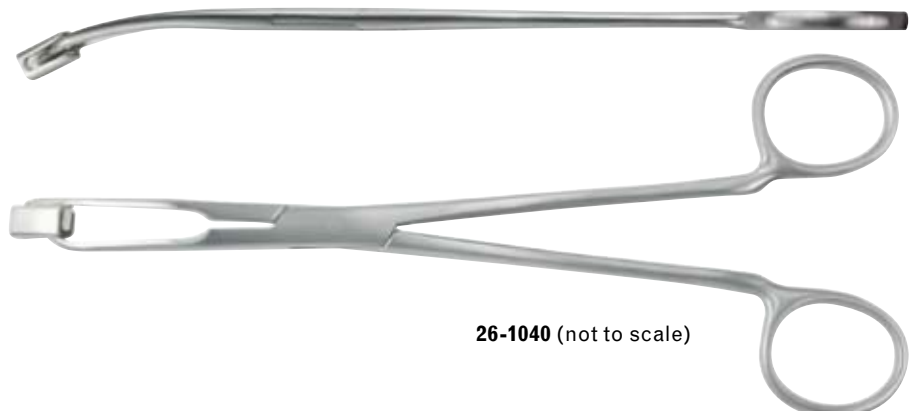
SCHWARTZ Vessel Clip

- 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)



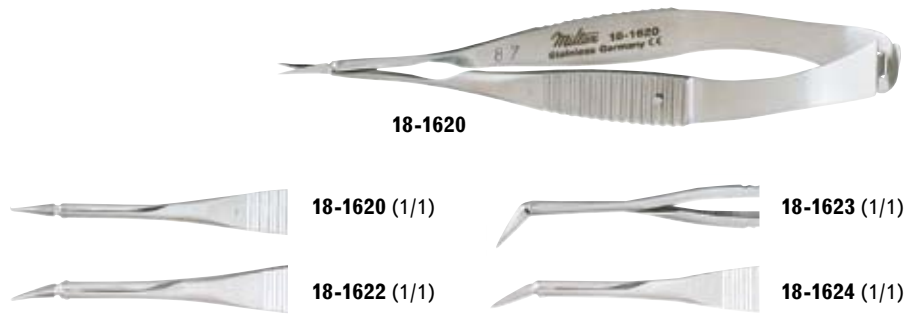
18-1616 (1/1)

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

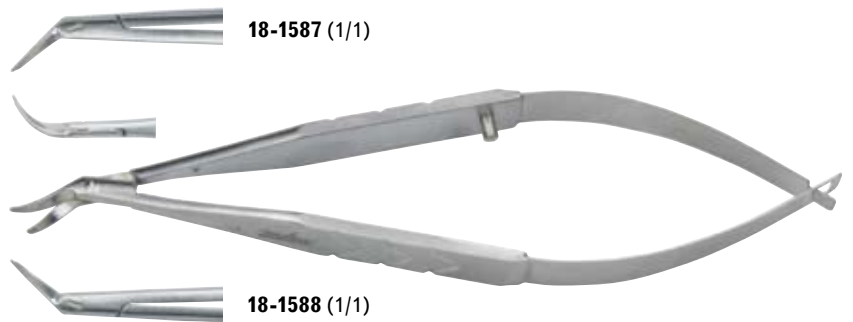
18-1620 (1/1)

18-1623 (1/1)

18-1622 (1/1)

18-1624 (1/1)

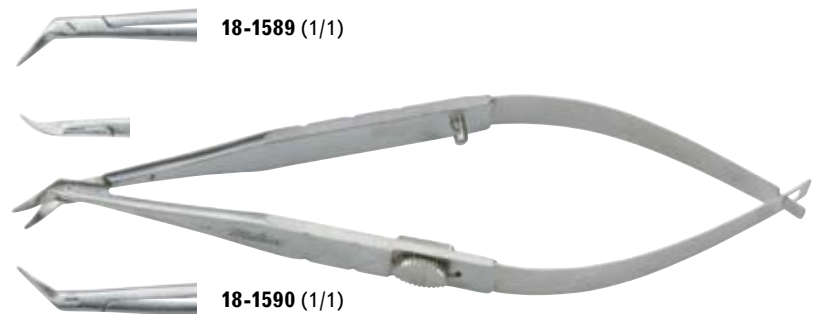
KATZIN Corneal Transplant Scissors
 strong curve, medium blades
18-1587 4-1/4" (10.8 cm), left
18-1588 4-1/4" (10.8 cm), right



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)

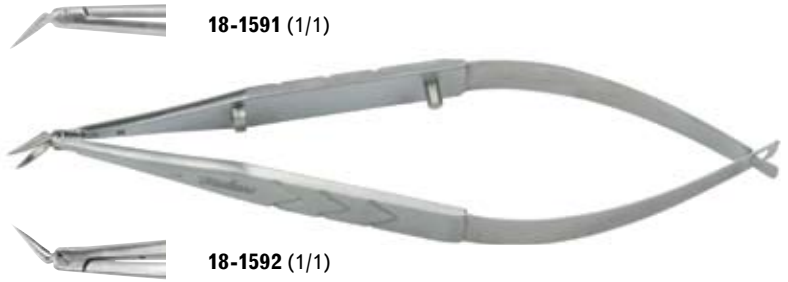
18-1590 (1/1)

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

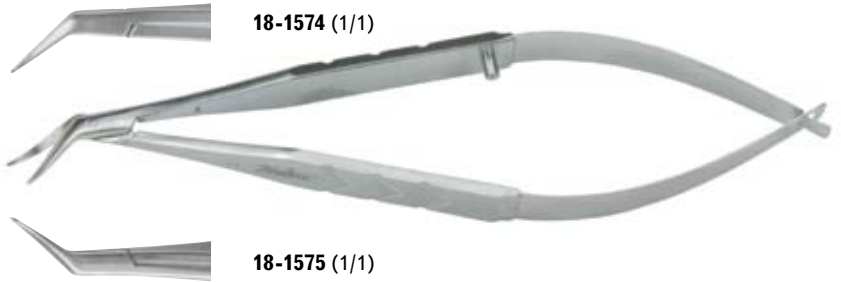
18-1592 4" (10.2 cm), right

**CASTROVIEJO Corneoscleral Scissors**

medium blades, curved

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

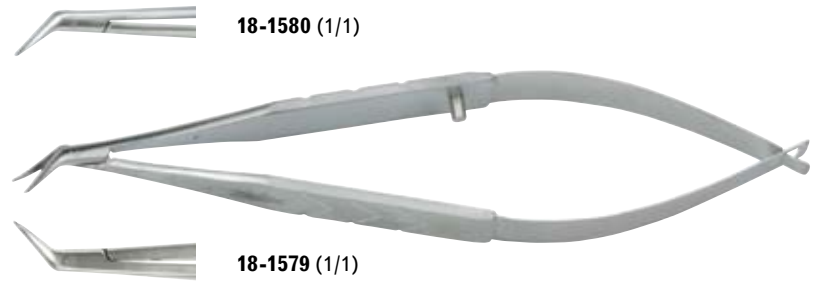
18-1575 4-1/4" (10.8 cm), right

**CASTROVIEJO Corneoscleral Scissors**

small blades, curved

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

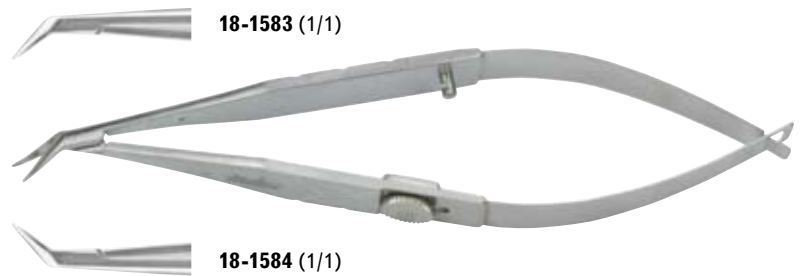
18-1579 4-1/8" (10.5 cm), right

**TROUTMAN-CASTROVIEJO Corneoscleral Scissors**

small blades, curved, with lock

18-1583 4" (10.2 cm), left

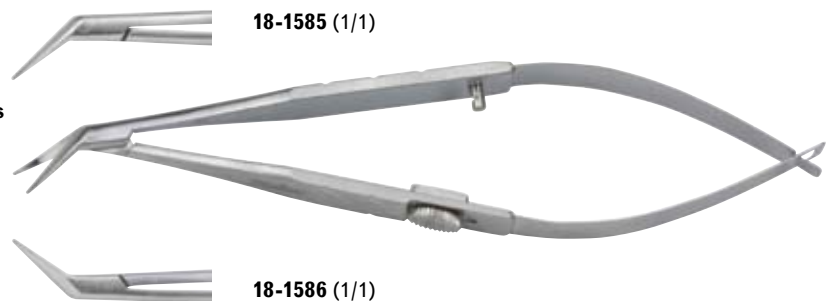
18-1584 4" (10.2 cm), right

**TROUTMAN-CASTROVIEJO Corneoscleral Scissors**

medium blades, curved, with lock

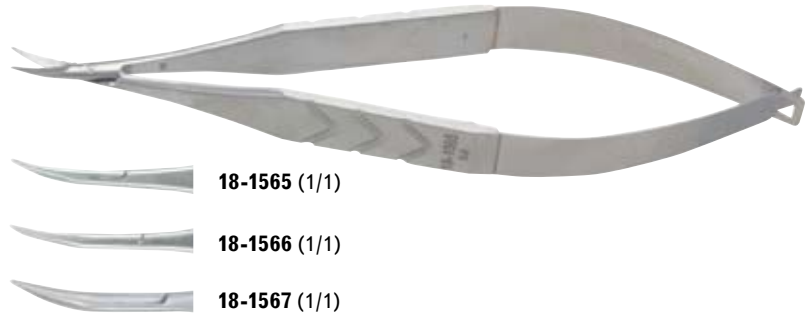
18-1585 4-1/4" (10.8 cm), left

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



CASTROVIEJO Universal Corneal Scissors

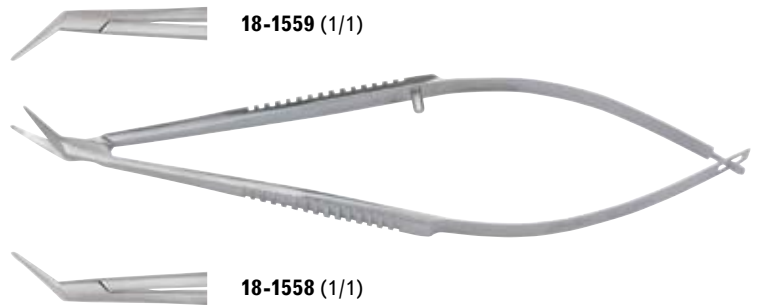
curved, blunt tips

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**

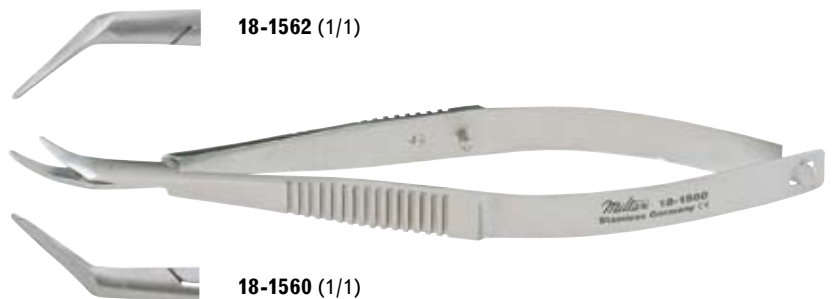
strong curve, blunt tips, large blades

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

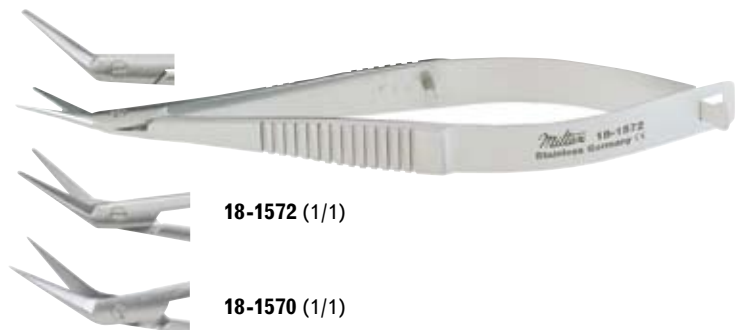
for microsurgery, 6 mm curved blades, blunt tips

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

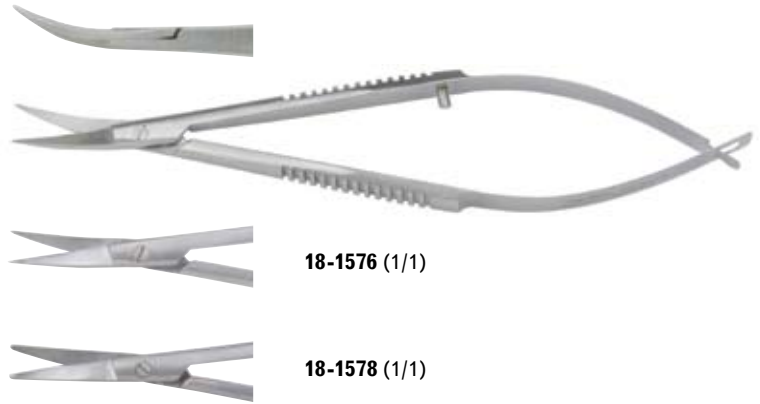
18-1562 4-1/2" (11.4 cm), left**18-1560** 4-1/2" (11.4 cm), right**18-1562** (1/1)**18-1560** (1/1)**CASTROVIEJO Corneal Scissors**

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

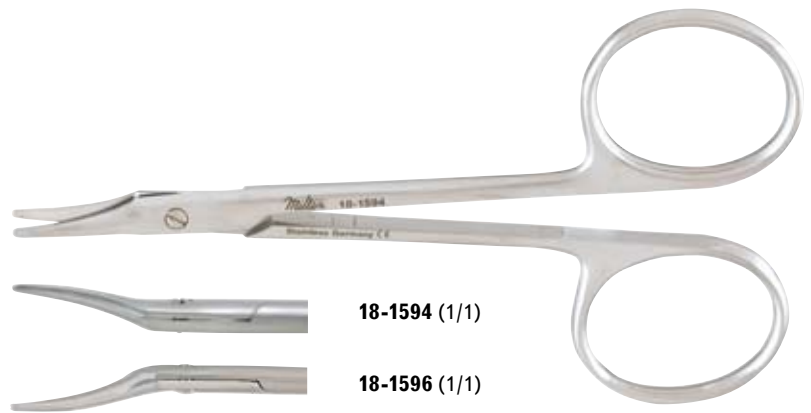


18-1576 (1/1)

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



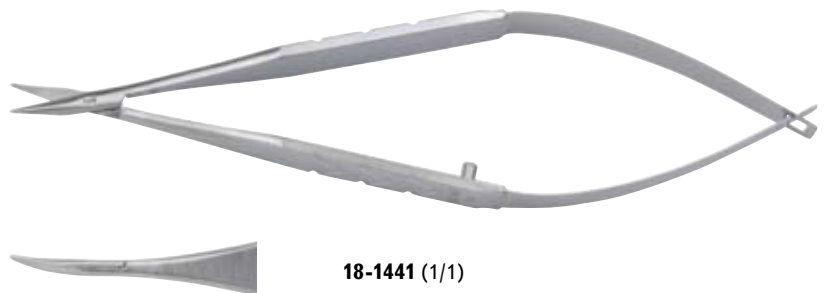
18-1602 (1/1)

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

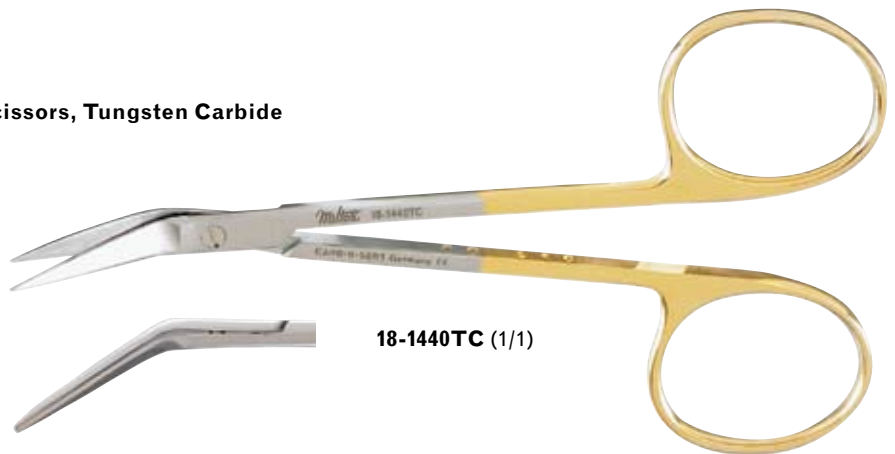
angled on flat, semi-sharp tips

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**

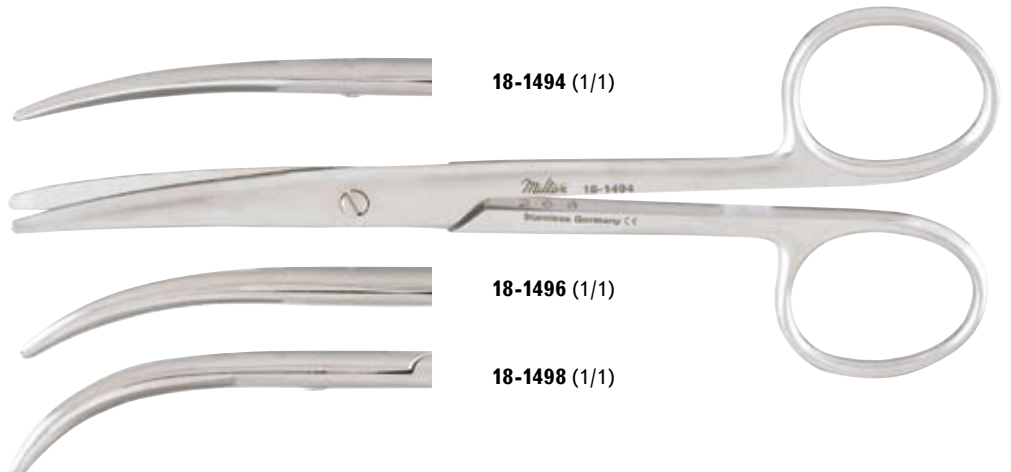
angled on flat, semi-sharp tips

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



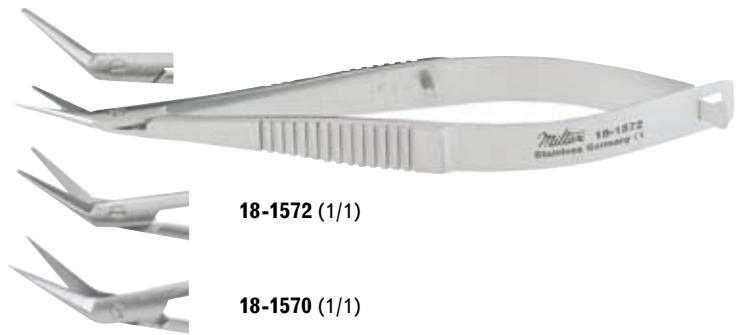
18-1581 (1/1)

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)

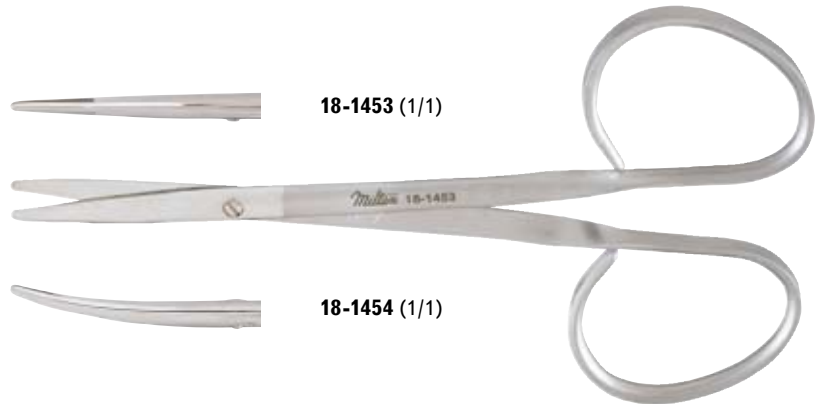
18-1570 (1/1)

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)

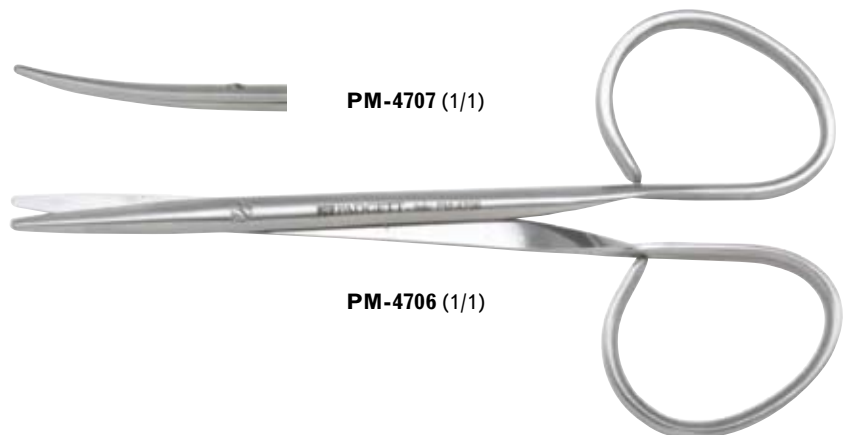
18-1454 (1/1)

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

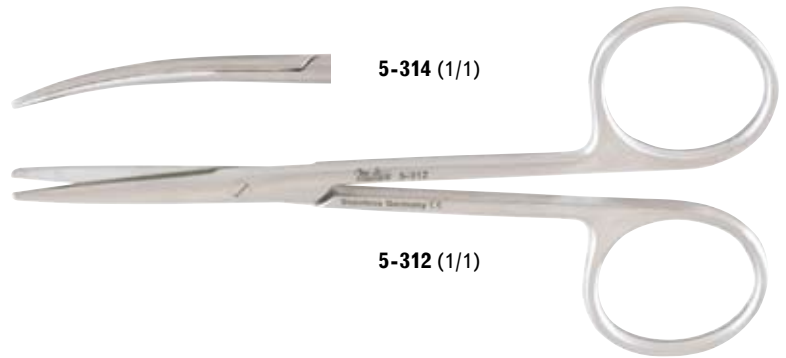


PM-4707 (1/1)

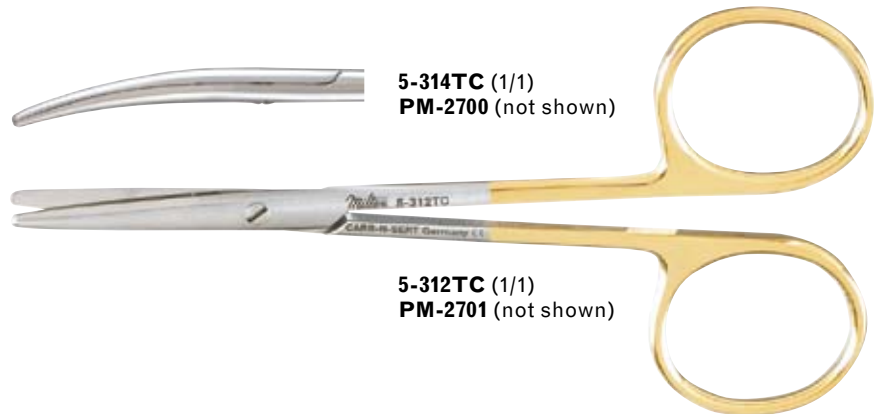
PM-4706 (1/1)

STRABISMUS Scissors

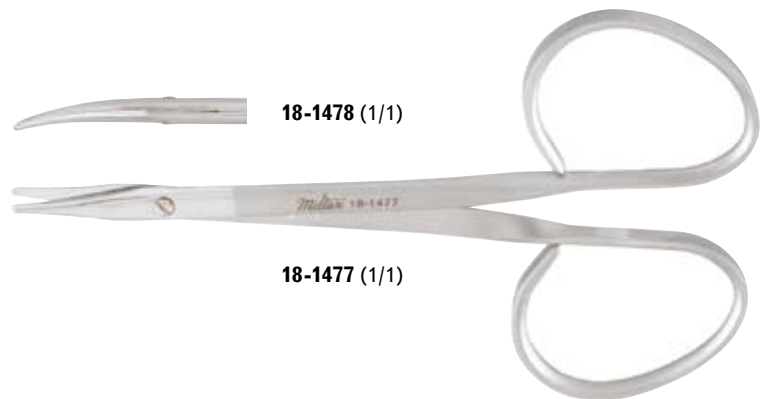
rounded blades, blunt tips

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

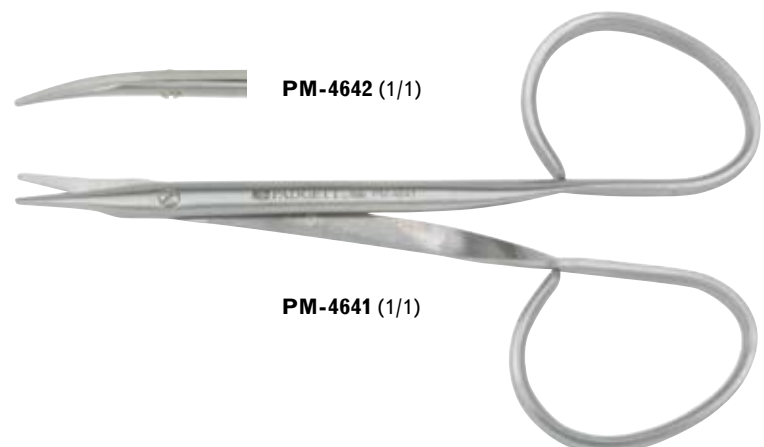
rounded blades, blunt tips

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

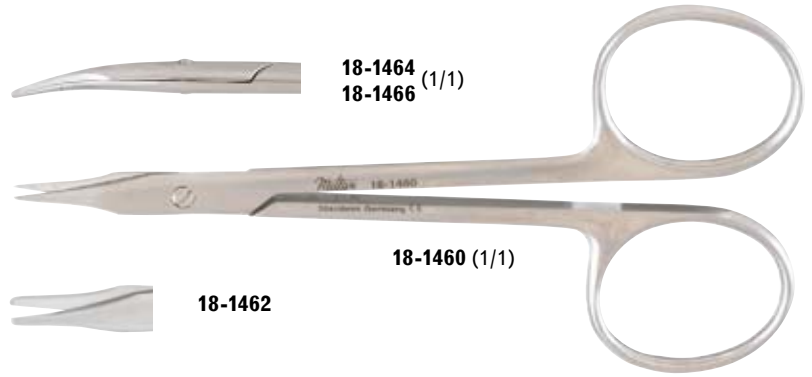
short blades

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

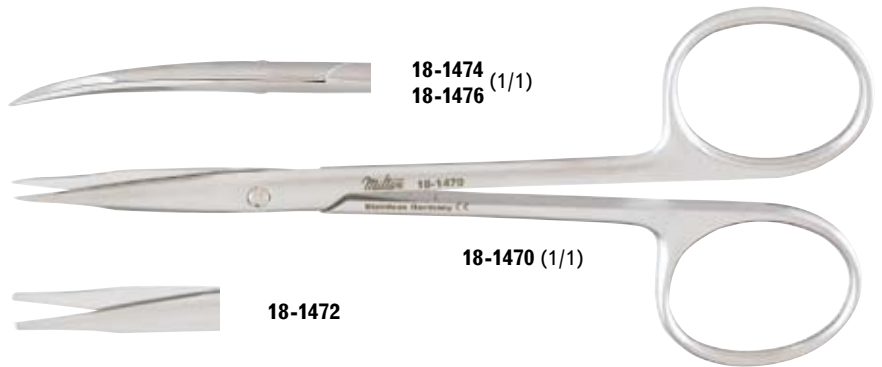
long blades

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

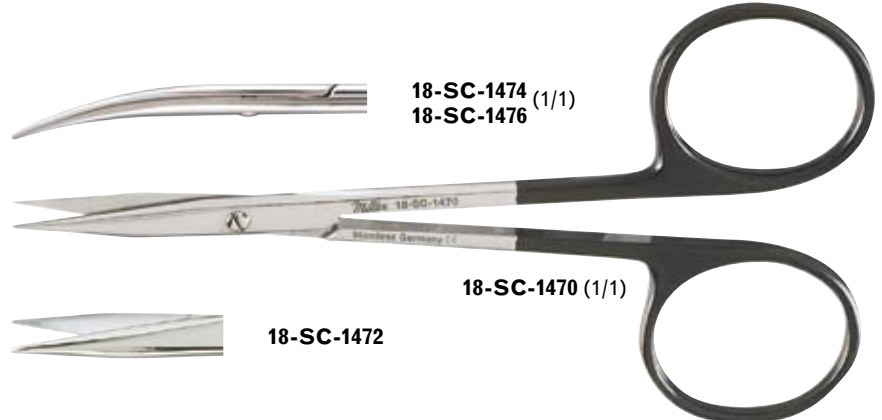
long blades, one micro fine serrated blade

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

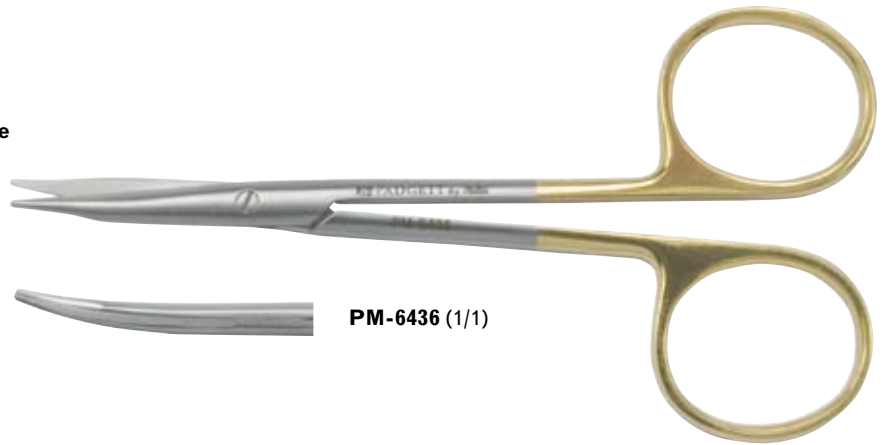
long blades, one micro fine serrated blade

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

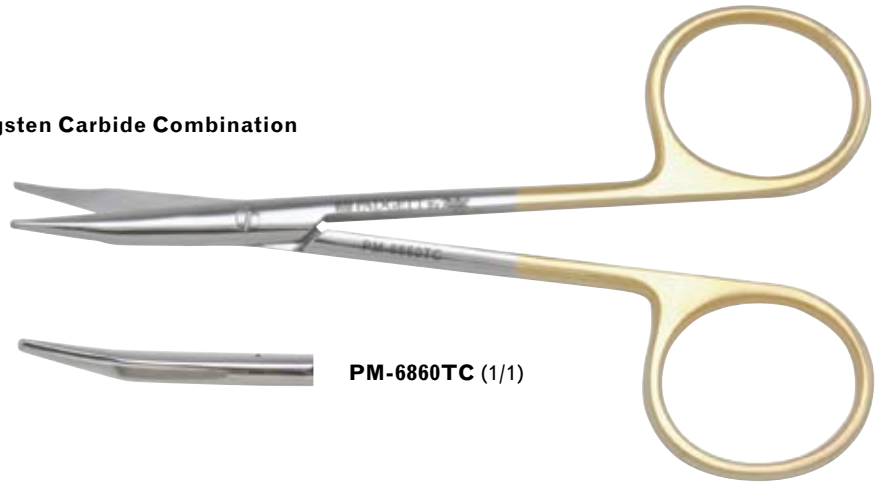


STEVENS Tenotomy Scissors, Tungsten Carbide

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

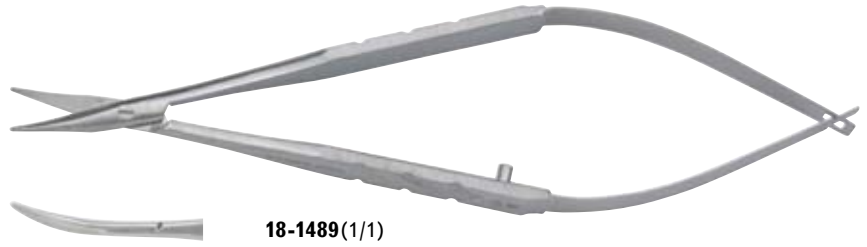
PM-4843* 5" (12.7 cm), curved**PM-4843 (1/1)****STEVENS Tenotomy Scissors**

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



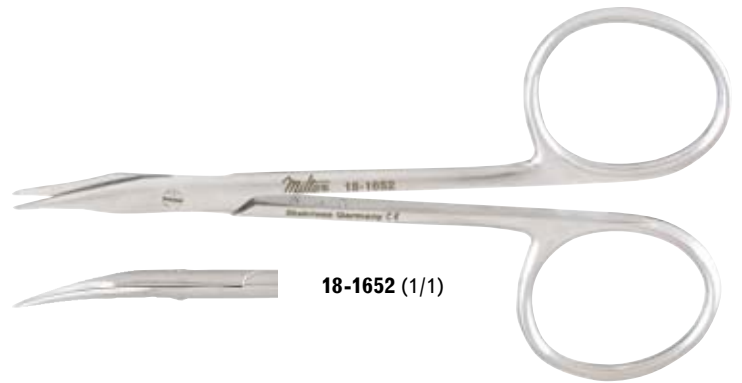
18-1488 (1/1)



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

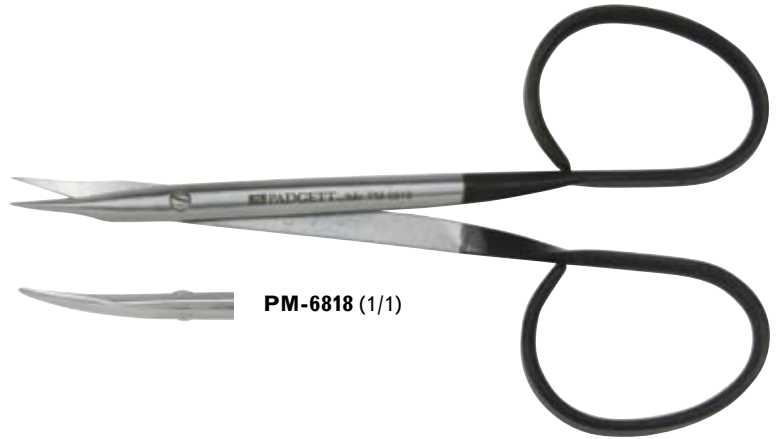


18-SC-1652 (1/1)

GRADLE Scissors, SuperCut

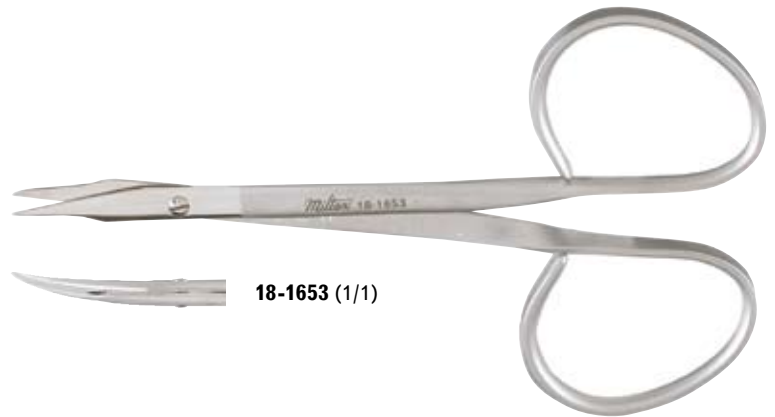
ribbon type, slightly curved, one micro fine serrated blade

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

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

ribbon type, slightly curved

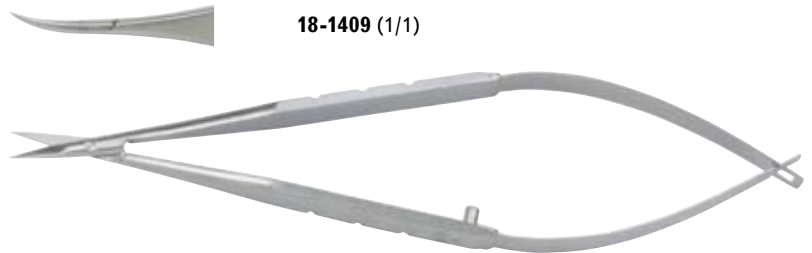
18-1653 4" (10.2 cm), sharp tips

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

sharp tips, small blades

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

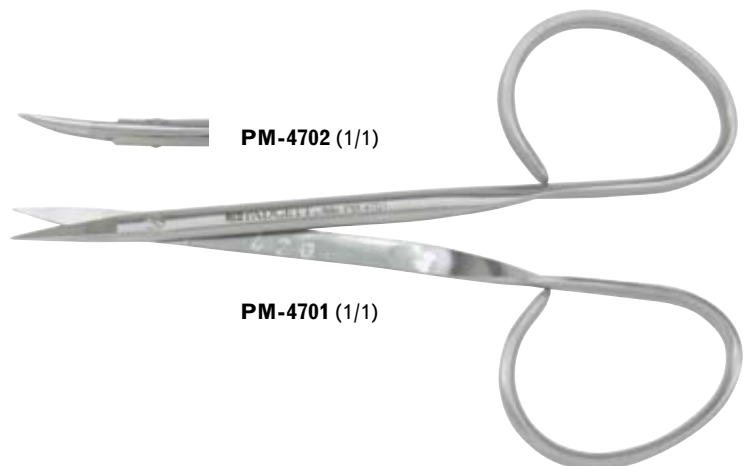
18-1409 4-1/8" (10.5 cm), curved

**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

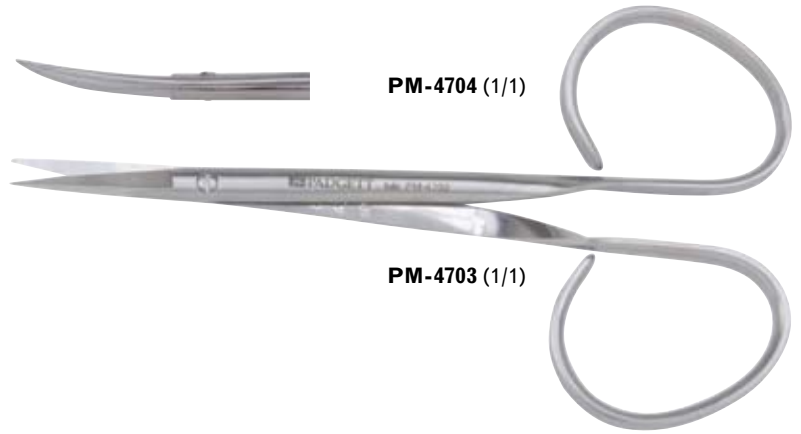
**PM-4702 (1/1)****PM-4701 (1/1)**

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



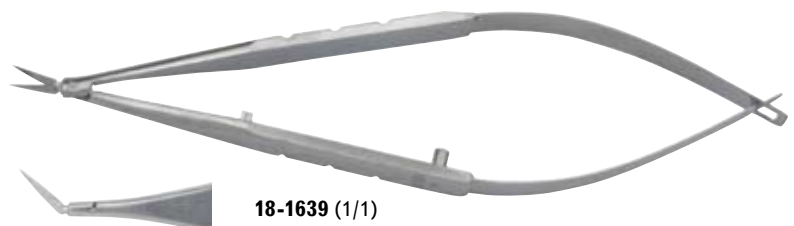
18-1638 (1/1)

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)**

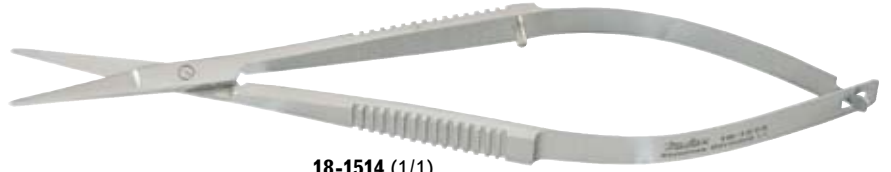
NOYES Iris Scissors

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)

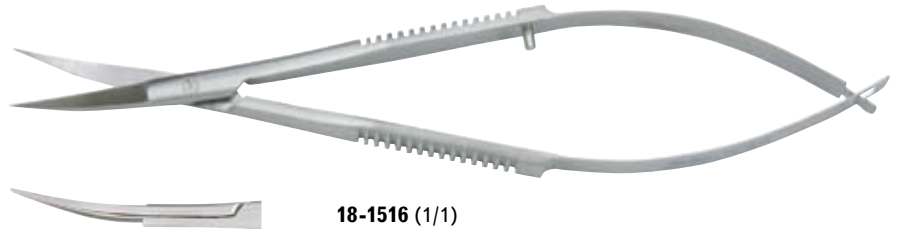


18-1510 (1/1)

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



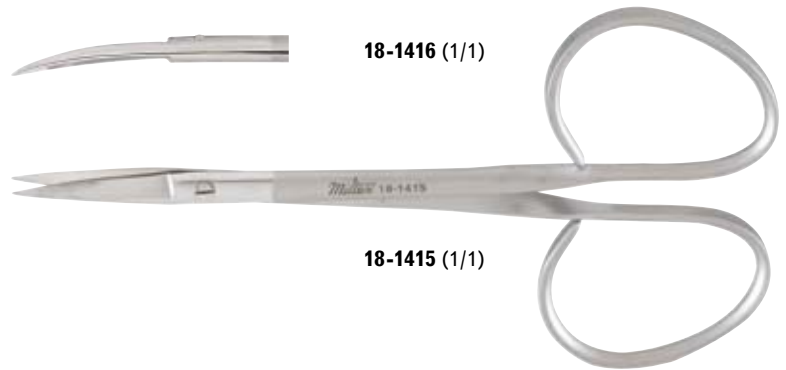
PM-2705 (1/1)



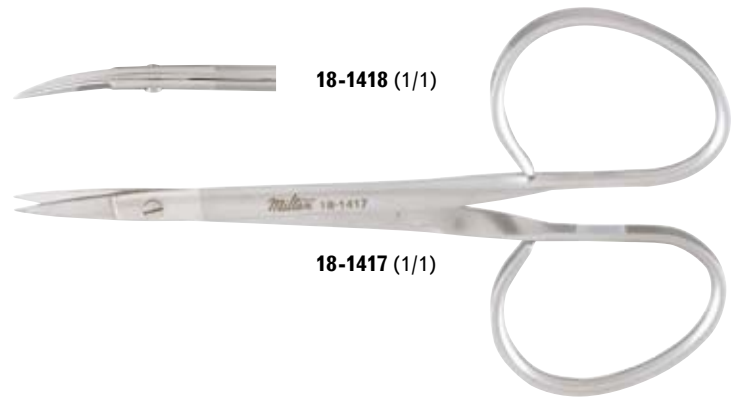
PM-2706 (1/1)

IRIS Scissors

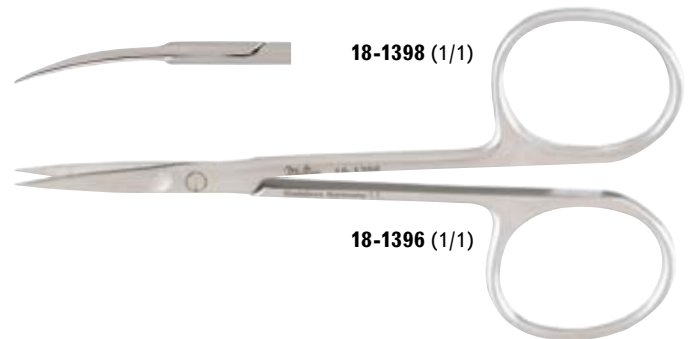
ribbon type, standard pattern, sharp tips

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

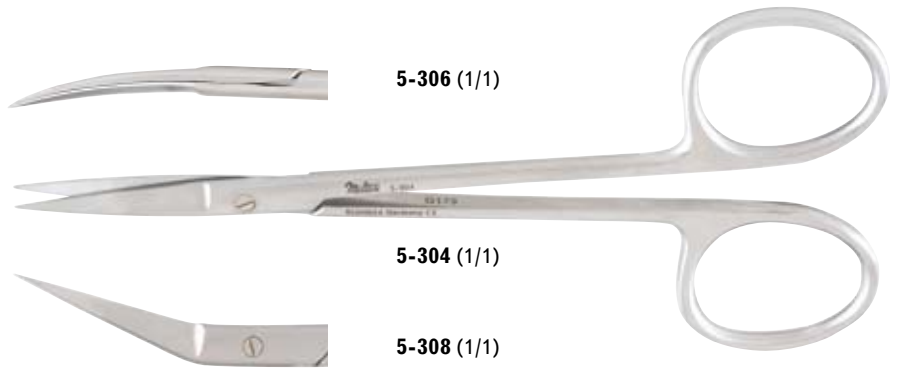
18-1396 3-1/2" (8.9 cm), straight**18-1398** 3-1/2" (8.9 cm), curved**18-1398** (1/1)**18-1396** (1/1)**IRIS Scissors**

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



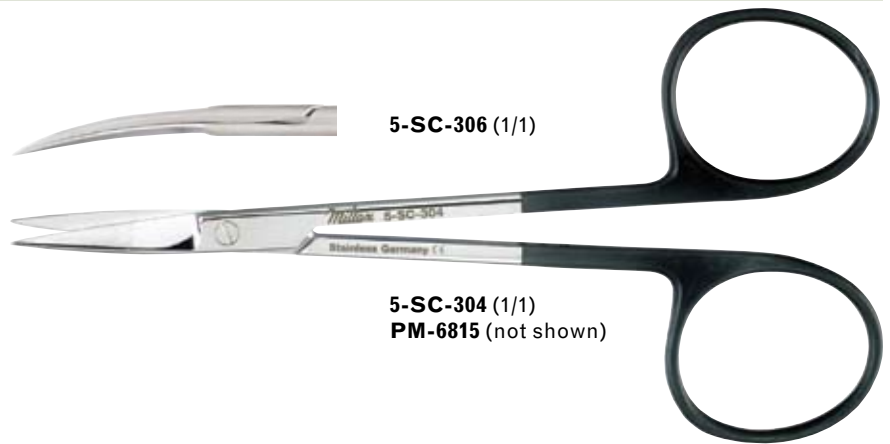
IRIS Scissors, Tungsten Carbide

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



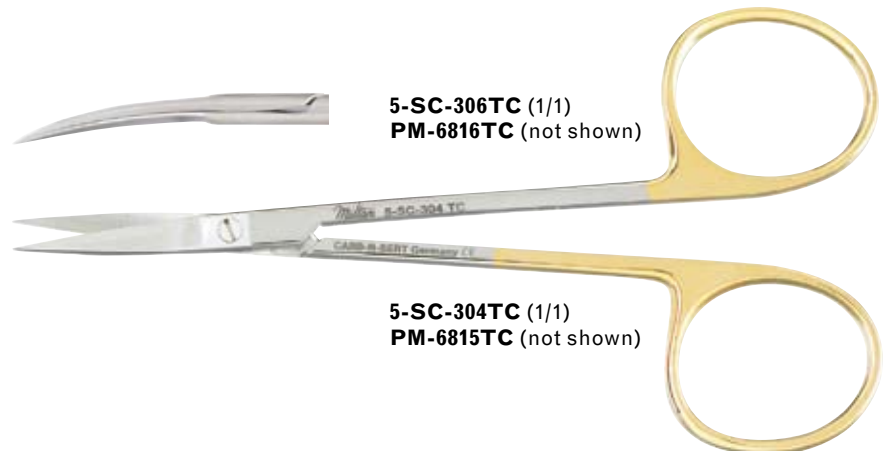
IRIS Scissors, SuperCut

- 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

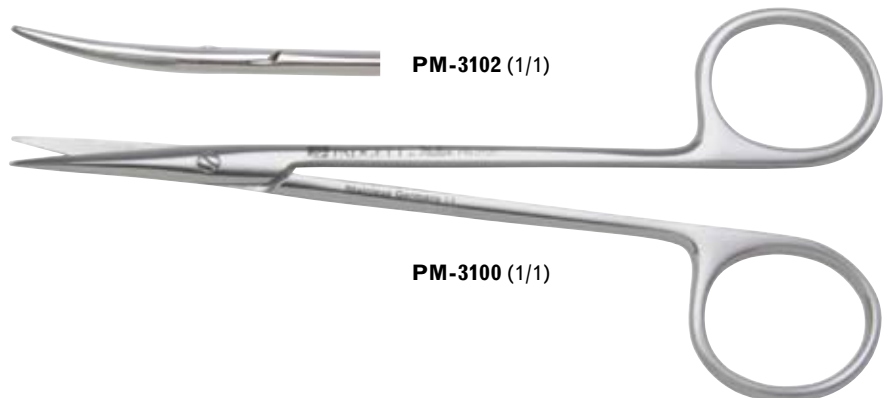
PM-4773* 4-1/2" (11.4 cm), curved

**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



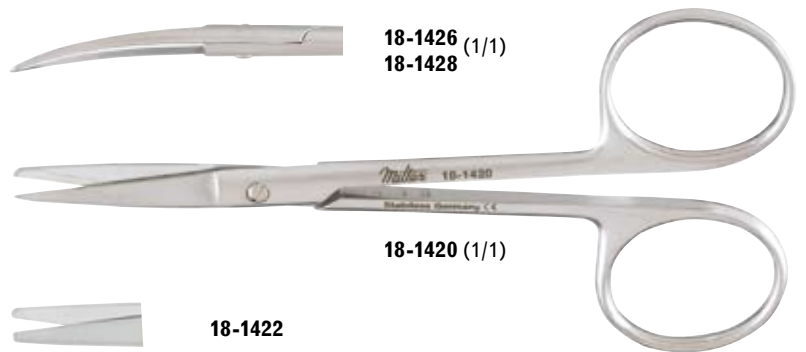
KNAPP Iris Scissors

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

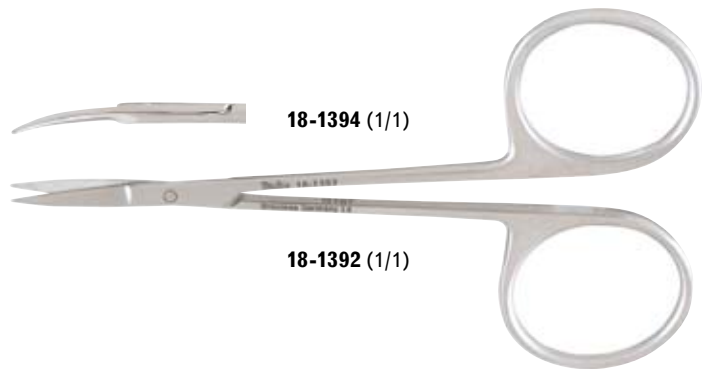


BONN Miniature Iris Scissors

with 15 mm blades, sharp tips

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

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

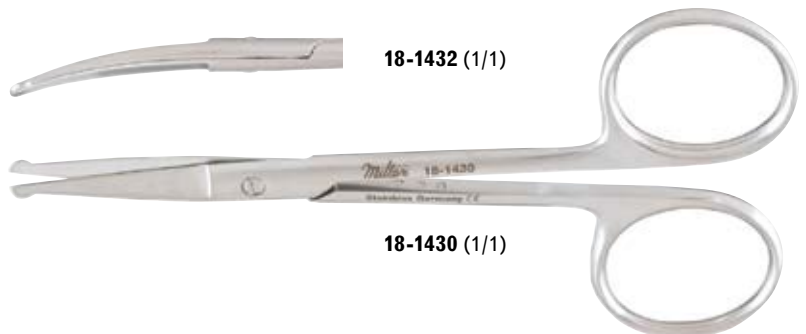


EYE Scissors

with probe tips

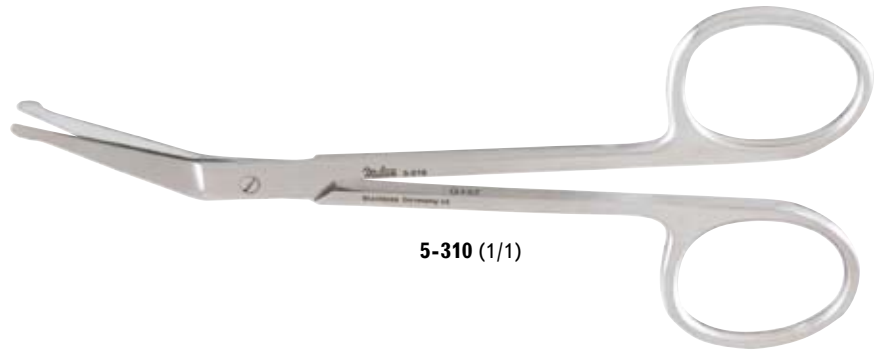
18-1430 4" (10.2 cm), straight

18-1432 4" (10.2 cm), curved

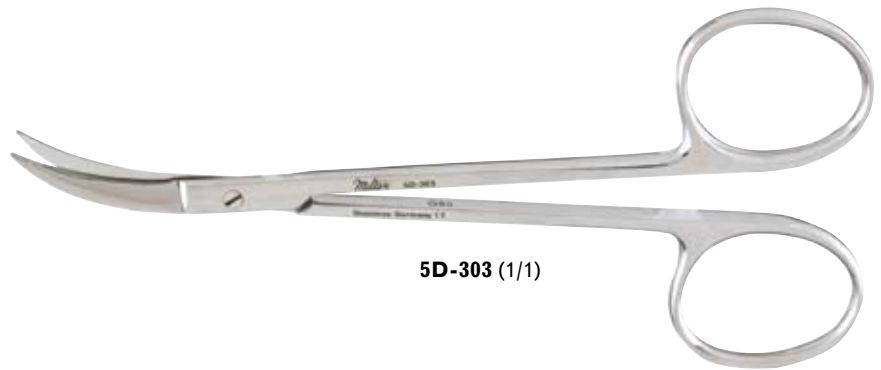


EYE Scissors

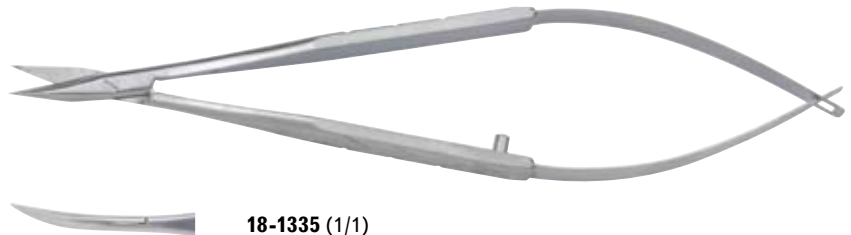
with probe tips

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

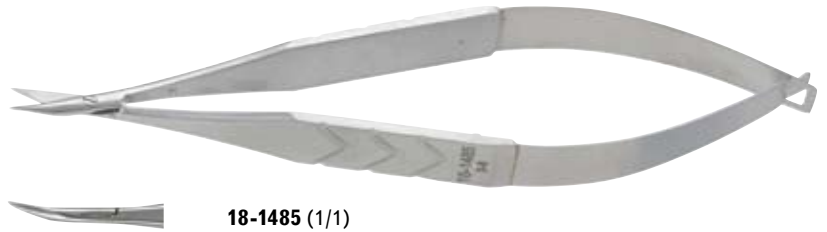
18-1335 4-1/4" (10.8 cm), curved**18-1335** (1/1)**FINE Stitch Scissors**

sharp tips, medium blades

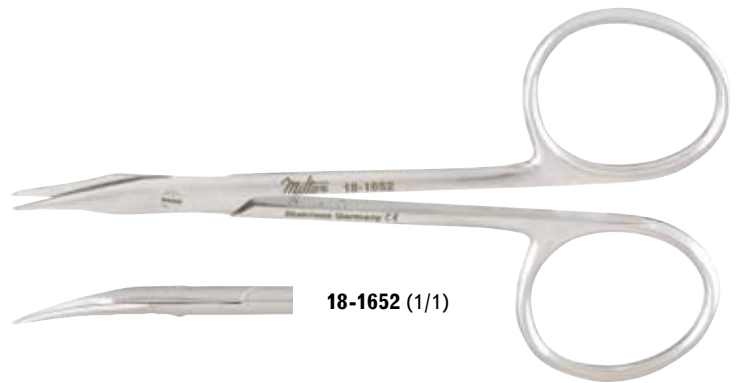
18-1433 4-1/2" (11.4 cm), straight**18-1434** 4-1/2" (11.4 cm), curved**18-1433** (1/1)

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**

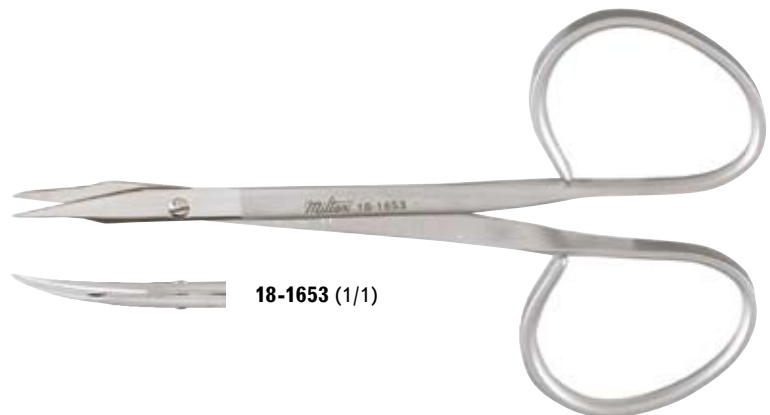
sharp tips

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

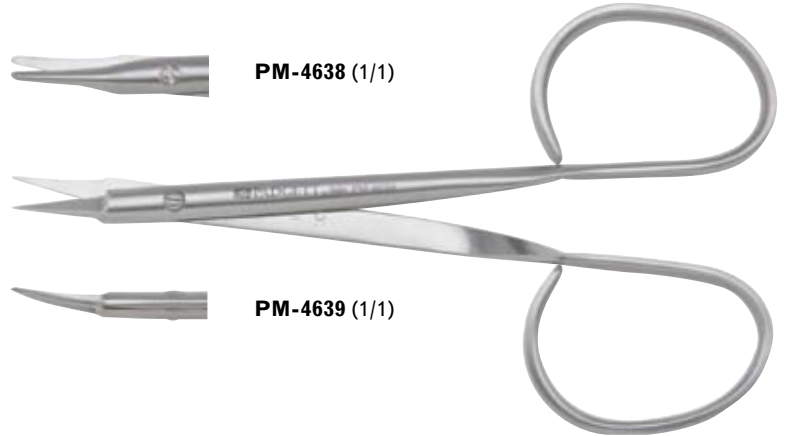
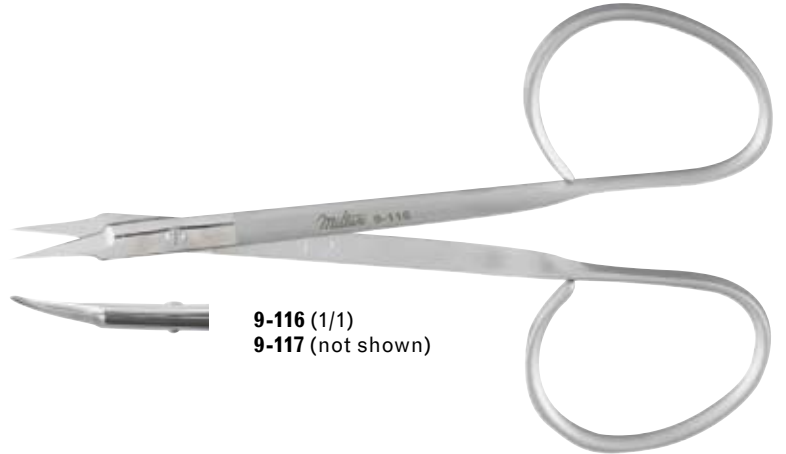
18-1653 4" (10.2 cm), slightly curved**18-1653 (1/1)**

HAYNES Suture Scissors

ribbon type, sharp tips

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

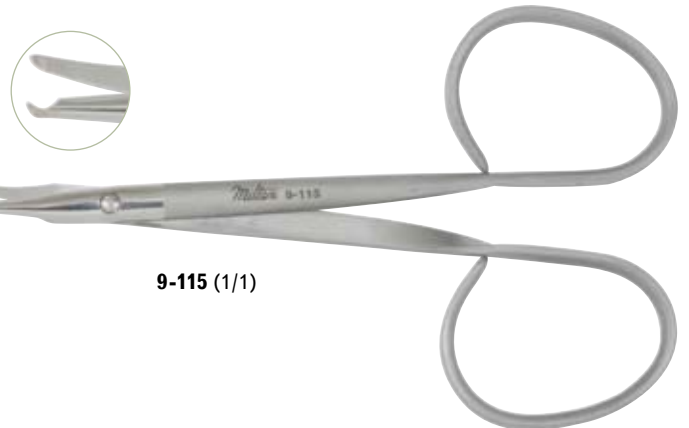
ribbon type, short blades, curved

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)****9-116 (1/1)****9-117 (not shown)****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**REEH Stitch Scissors**

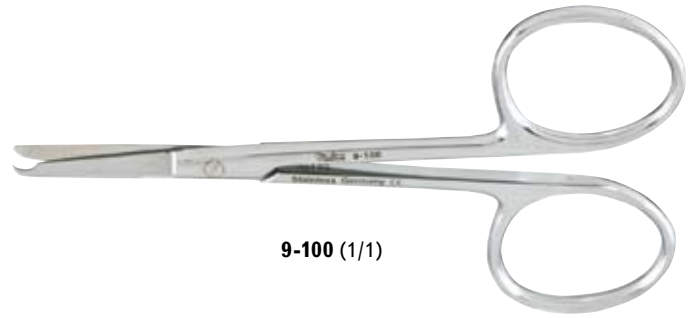
ribbon type, sharp tips with extra delicate hook at the end of one blade

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



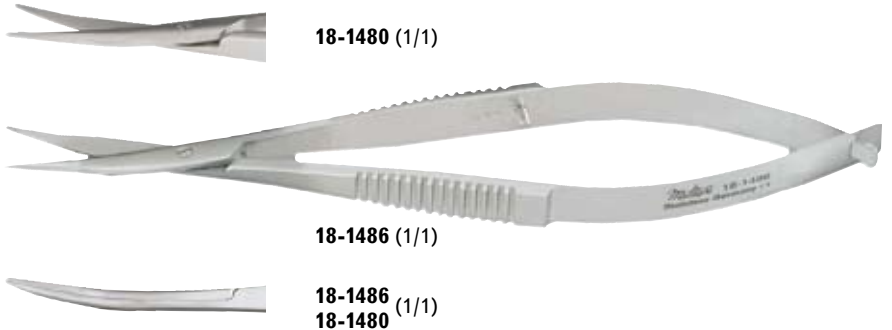
9-110 (1/1)

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



PM-4956 (1/1)

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

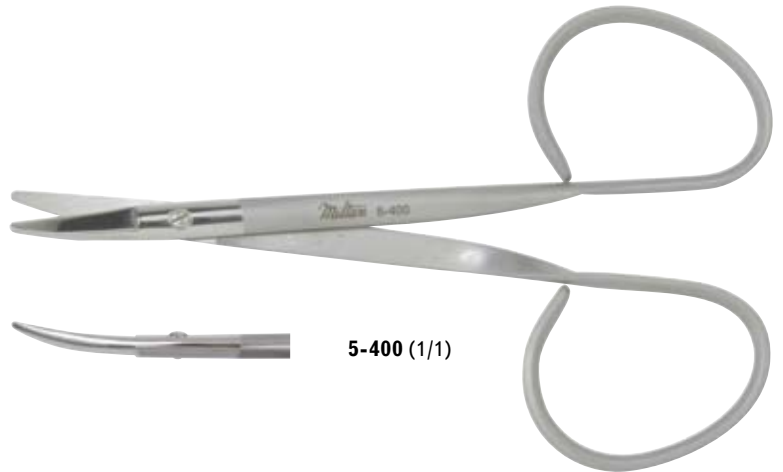


18-1480 (1/1)

18-1486 (1/1)

18-1486 (1/1)
18-1480 (1/1)

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



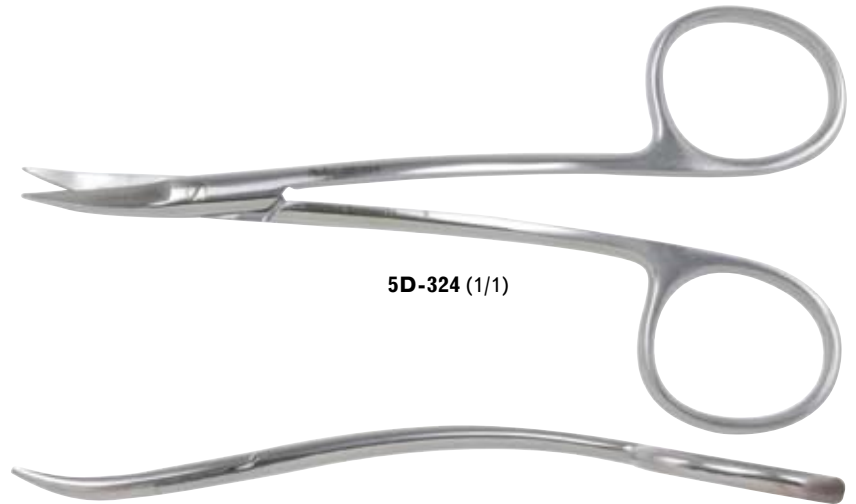
5-400 (1/1)

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



PM-4718 (1/1)

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

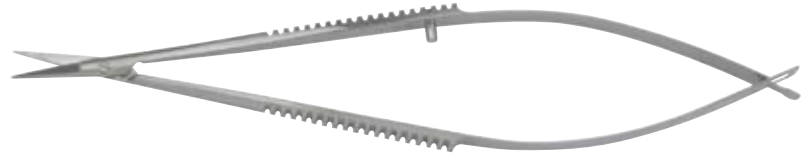


5D-324 (1/1)

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



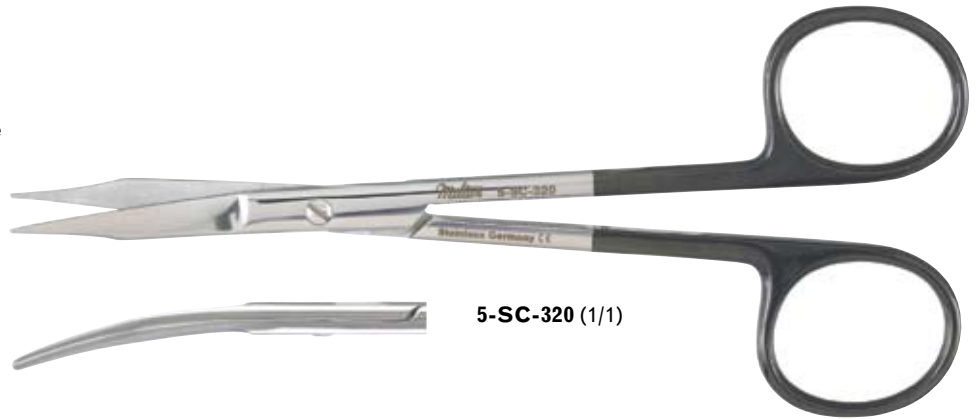
5-320 (1/1)

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



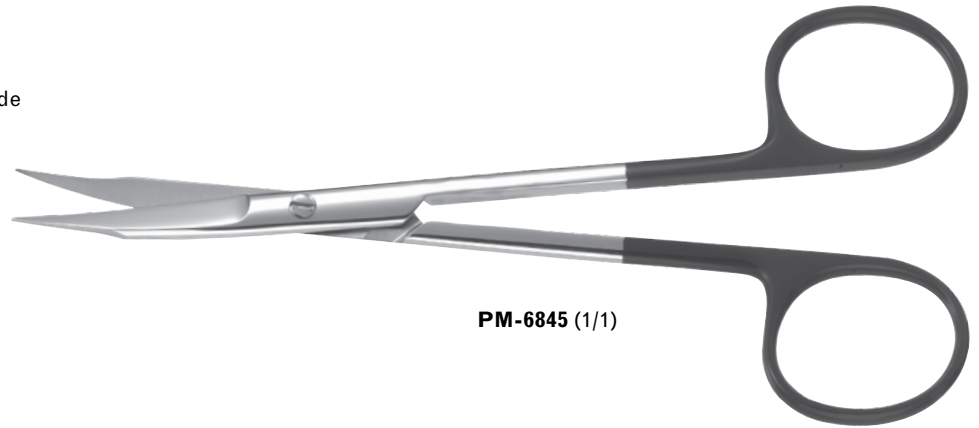
5-320TC (1/1)

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



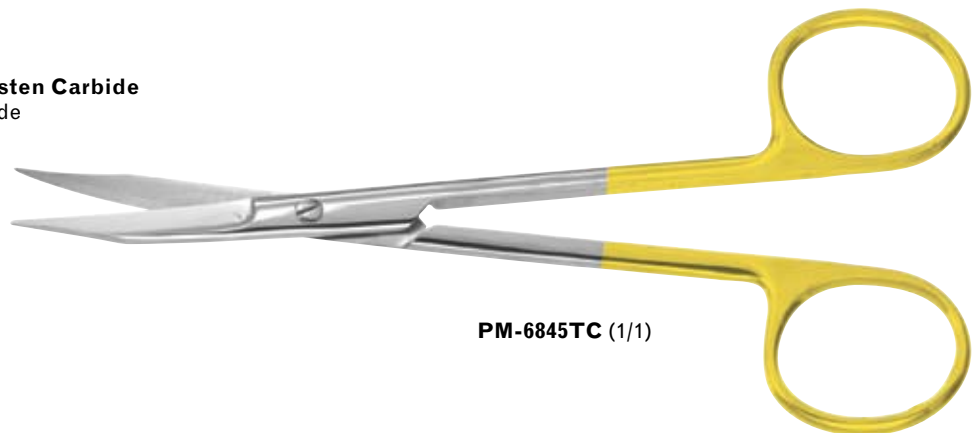
5-SC-320 (1/1)

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



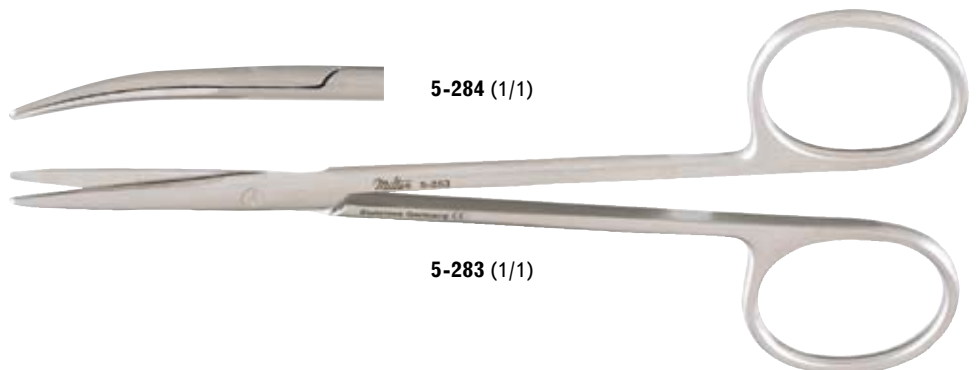
PM-6845 (1/1)

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)

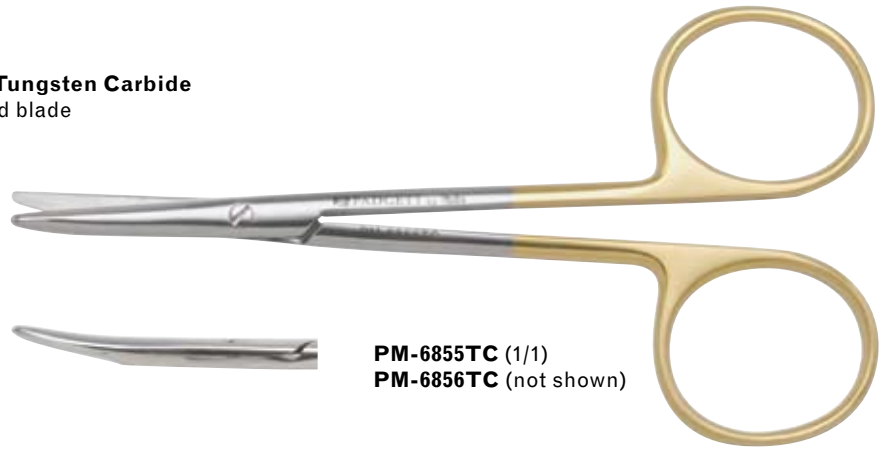
PM-6855 & PM-6856 (not shown)

PAR Tissue & Dissecting Scissors, Tungsten Carbide

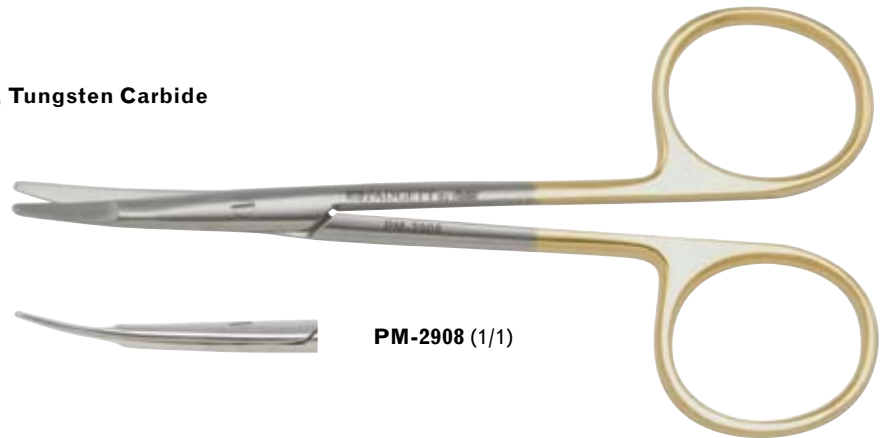
delicate blades with blunt tips

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



PM-6862 (1/1)

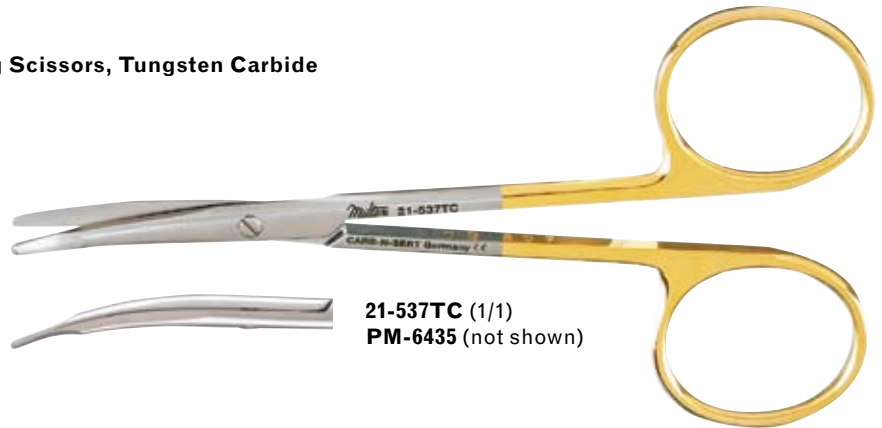
PM-6863 (1/1)

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



21-537TC (1/1)

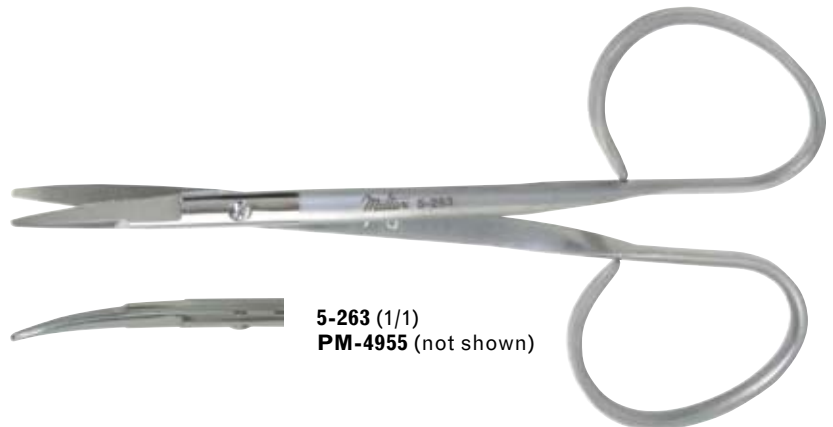
PM-6435 (not shown)

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



5-263 (1/1)

PM-4955 (not shown)

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



17-1020 (1/1)
17-1000 (not shown)

CASTROVIEJO Needle Holder

smooth jaws, without lock

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



(1/1)
18-1820 (1/1)
18-1824

CASTROVIEJO Needle Holder

smooth jaws, with lock

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

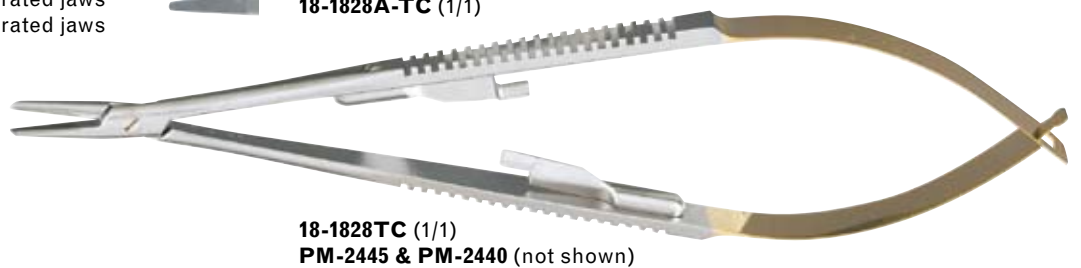
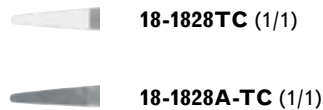


(1/1)
18-1828 (1/1)
18-1832

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



18-1828TC (1/1)
PM-2445 & PM-2440 (not shown)

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)

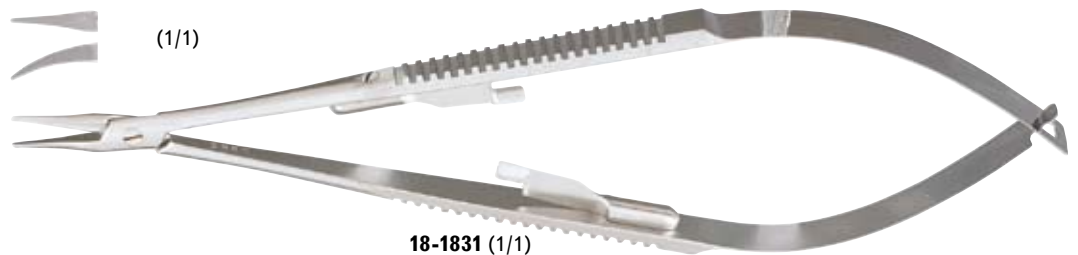
CASTROVIEJO Needle Holder

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

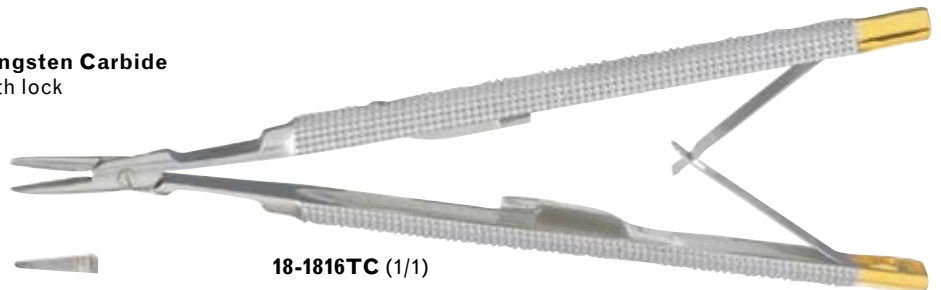
MILTEX-CASTROVIEJO Needle Holder, Tungsten Carbide

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



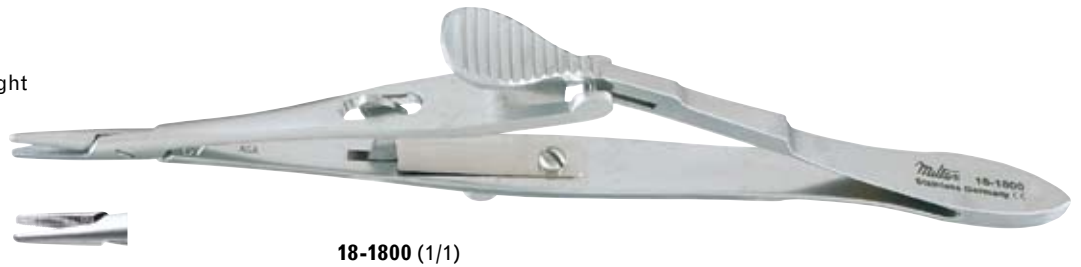
PM-4709

PATON Needle Holder

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

**KALT Needle Holder**

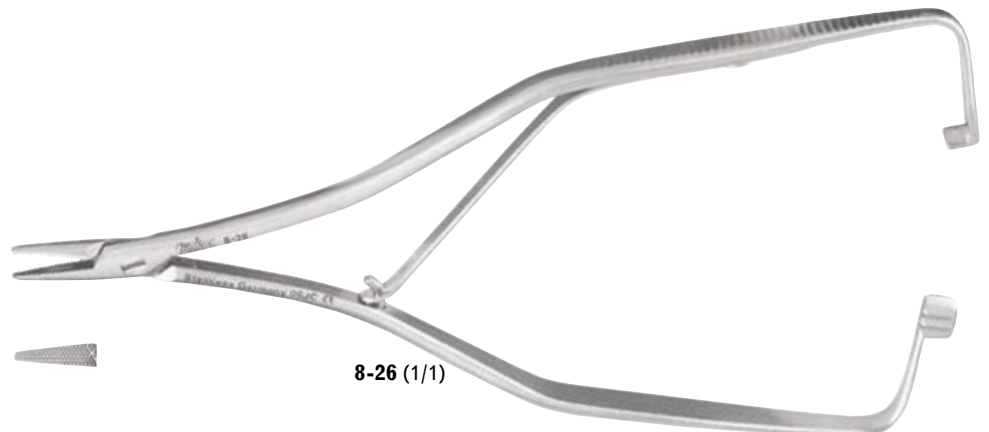
delicate serrated jaws with notch,
 standard model, with lock
18-1800 5-1/4" (13.3 cm), straight

**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

**BOYNTON Needle Holder**

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



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

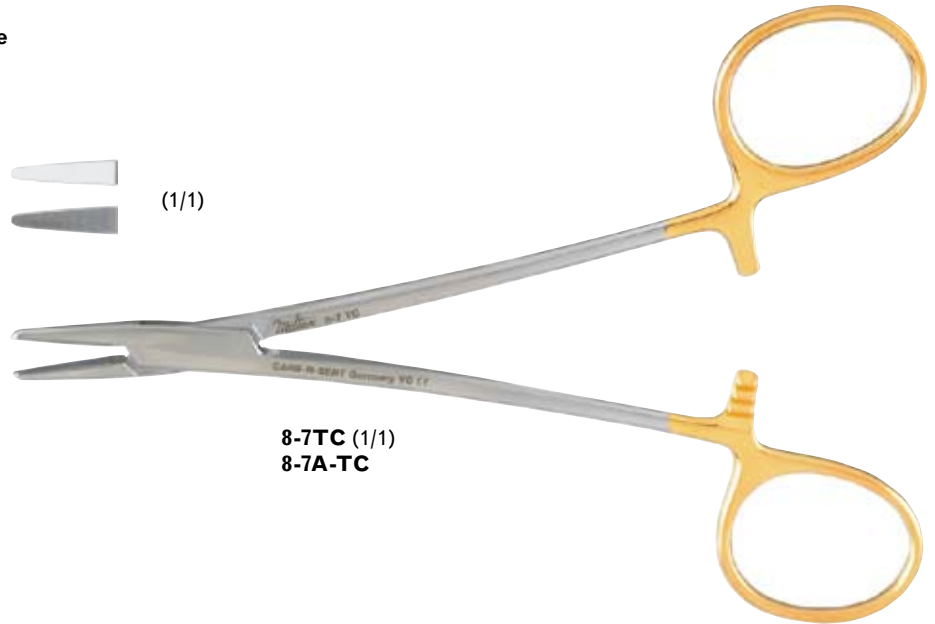
8-6TC 5-1/4" (13.3 cm)**PM-2405*** 4-3/4" (12.1 cm)**8-6TC** (1/1)**PM-2405** (not shown)

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

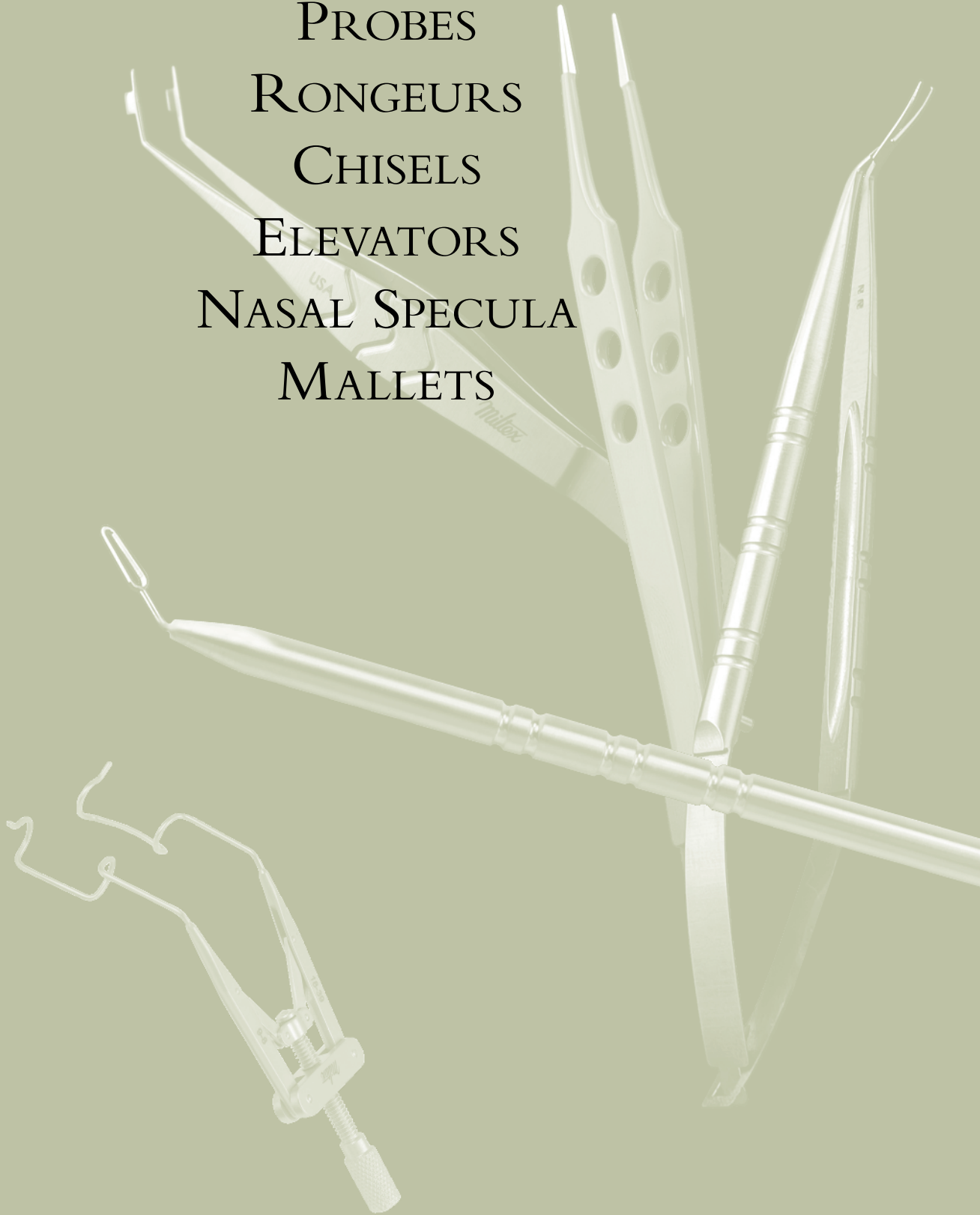
RONGEURS

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**

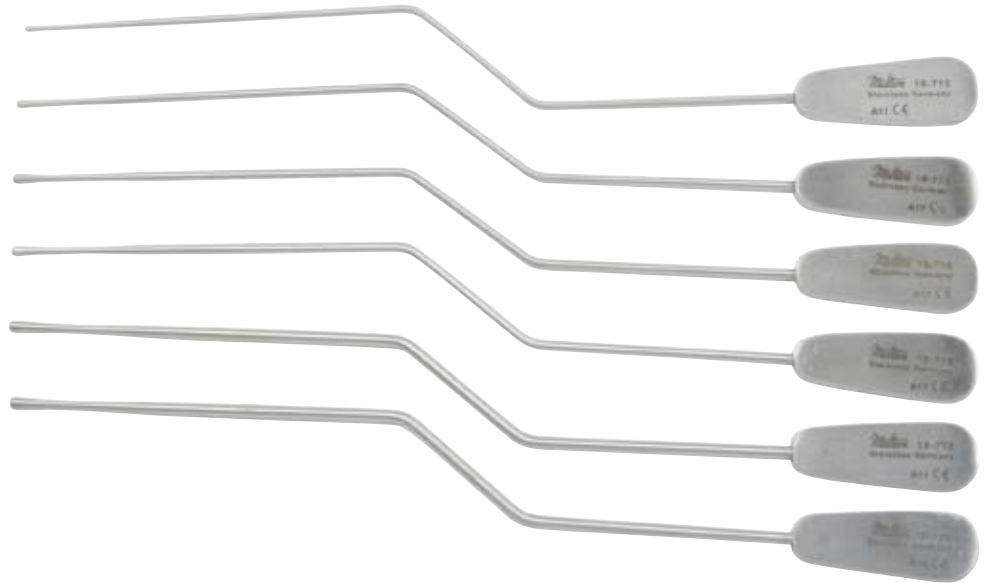
very delicate

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

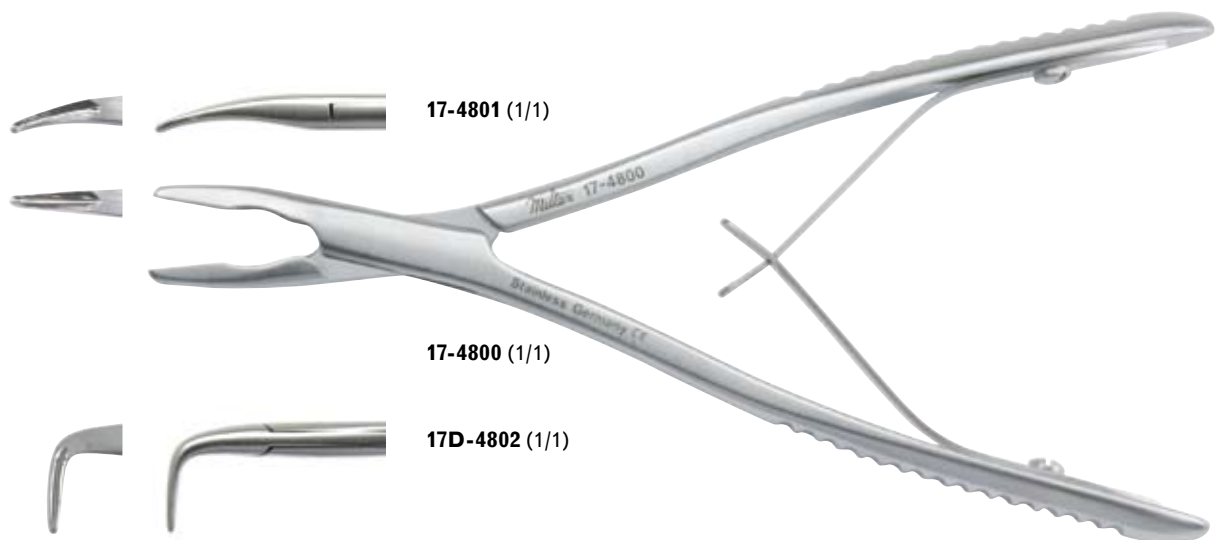


PM-4739HK
PM-4739HL (not shown)

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)

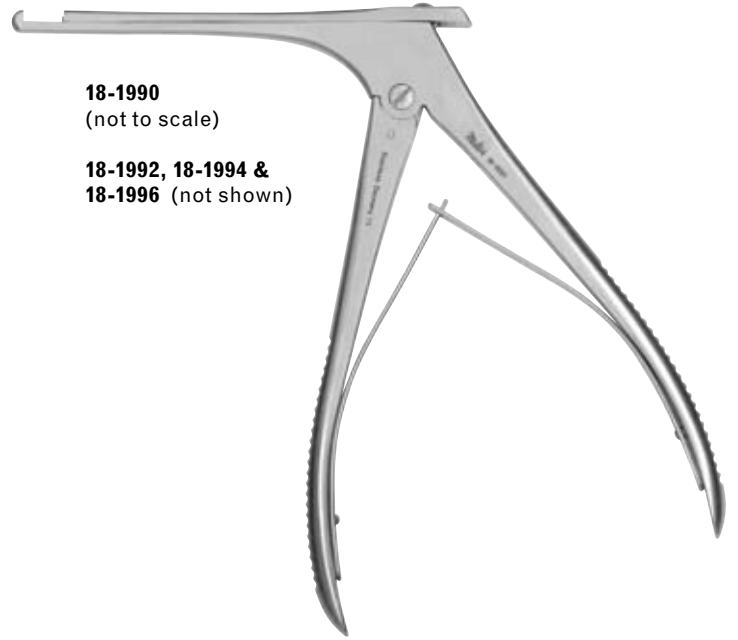
17D-4802 (1/1)

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

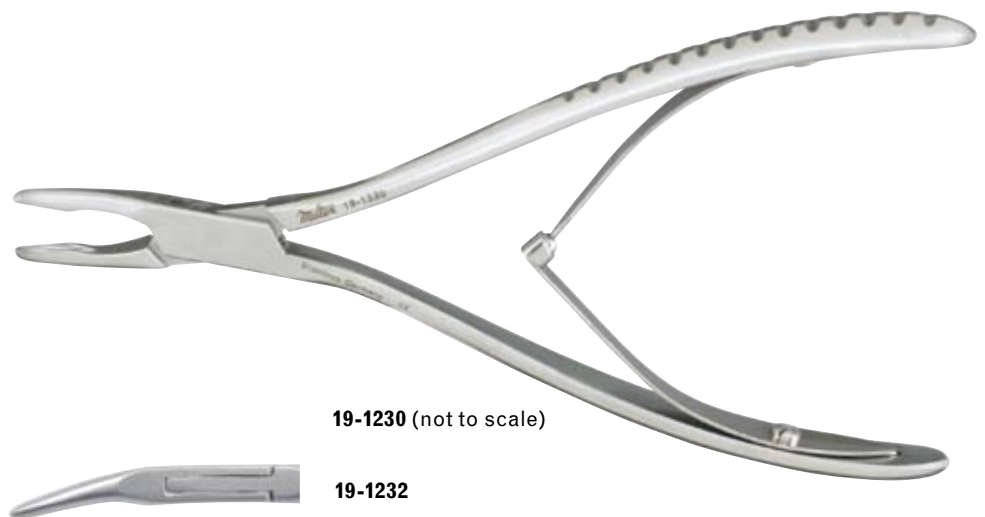


19-844 (not to scale)

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



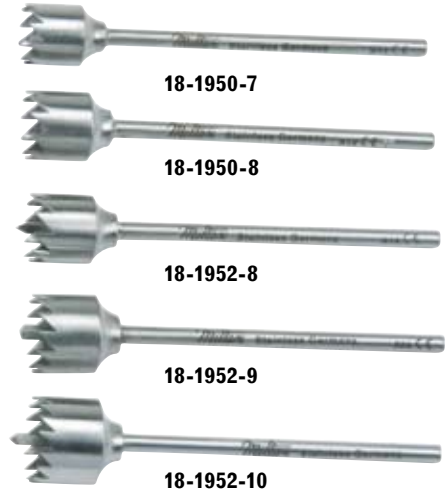
21-68

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

20-6
(1/1)

20-7
(1/1)

VIENNA Nasal Speculum

lightweight

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



20-4

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)



19-795

NYLON Cap Replacement

- 19-795 fits item 19-793



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)



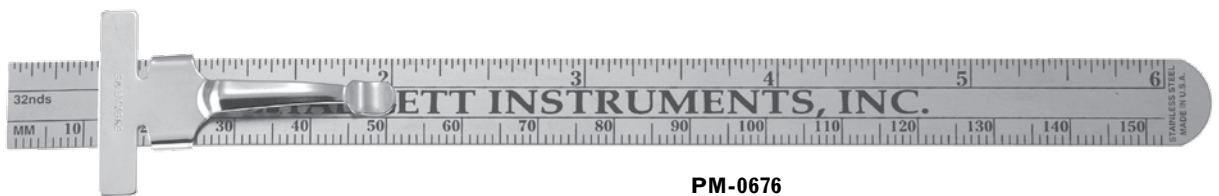
18-658

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



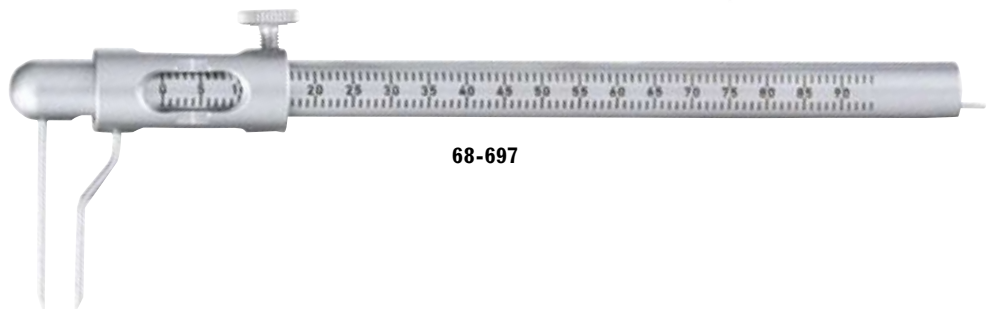
18-660



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**

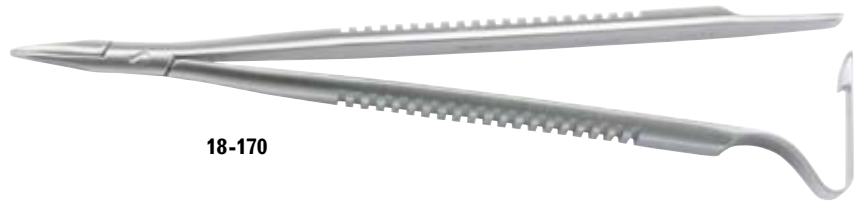
No. 3, blades 10-15c, round handle

4-17 5-3/4" (14.6 cm)**4-17****BARRONS Knife Handle**

No. 3, blades 10-15c, octagonal handle

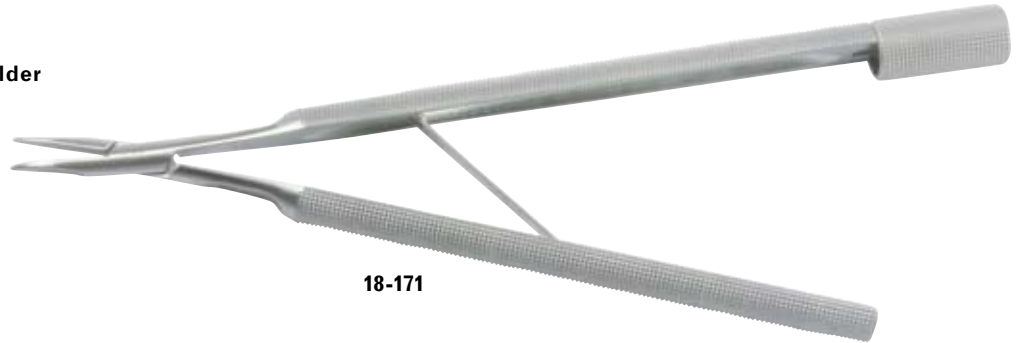
PM-425* 5-1/2" (14.0 cm)**PM-425**

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

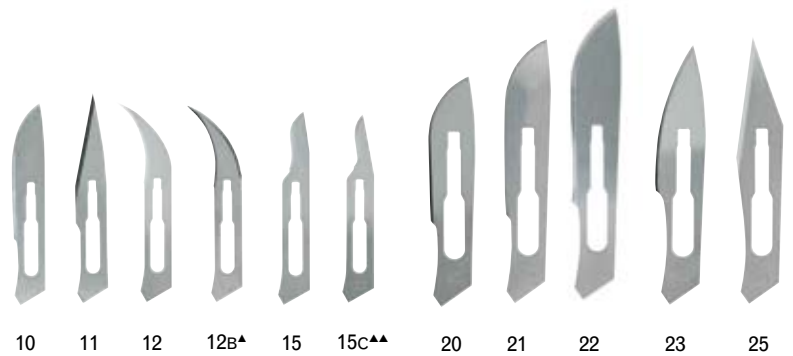
TROUTMAN-BARRAQUER Mini Blade Breaker & Holder
angled jaws 3 x 10 mm, with push-pull lock
18-172 3-3/4" (9.5 cm)



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 [▲]	4-312B [▲]	12B [▲]
4-115	4-315	15
4-115C ^{▲▲}	4-315C ^{▲▲}	15C ^{▲▲}

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
[▲]B is a double edged blade
^{▲▲}C is an angled blade

*Carbon Steel ** Stainless Steel
[▲]B is a double edged blade
^{▲▲}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!



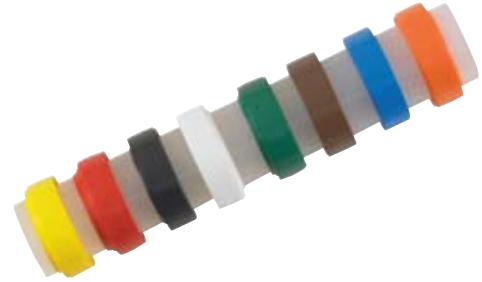
VST

(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.

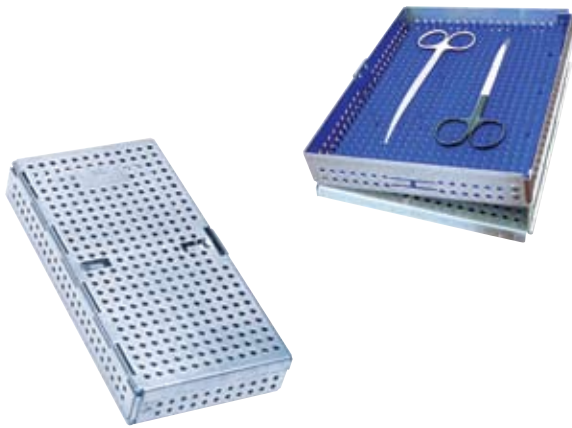
- PVC medical grade plastic
- Latex-free material
- Large holes (vented styles) to reduce vacuum and moisture build up for easy removal from instrument
- Steam and gas sterilizable
- 50 per pack



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	-	-

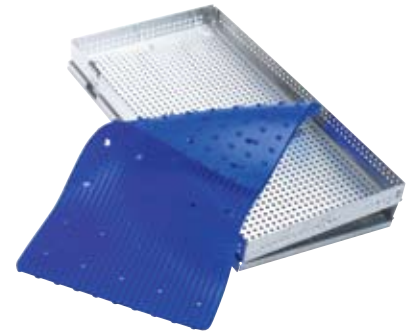
* Color does not apply to clear vented pattern

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)

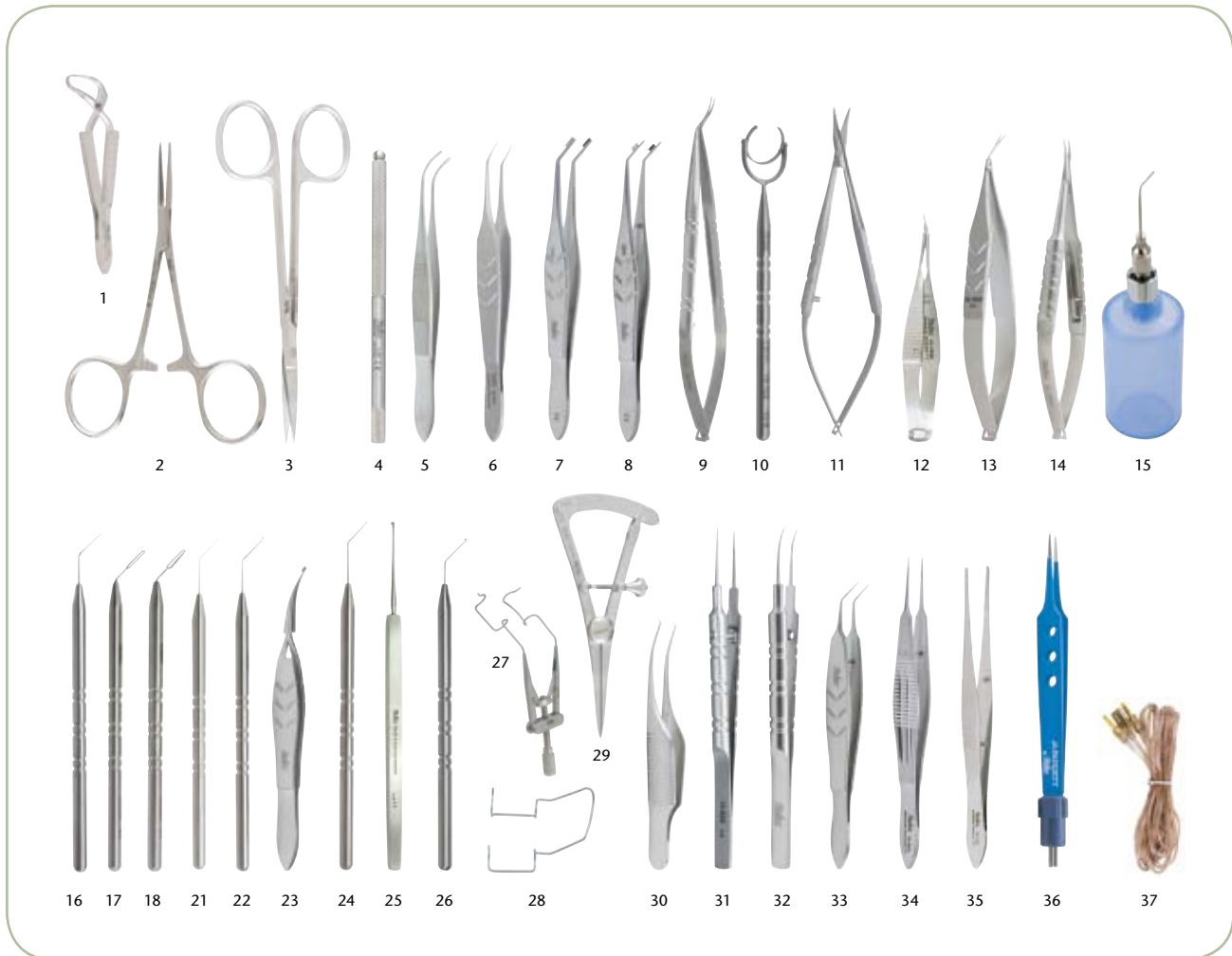


PM-9325
 (not to scale)

SUGGESTED INSTRUMENT SETS



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>

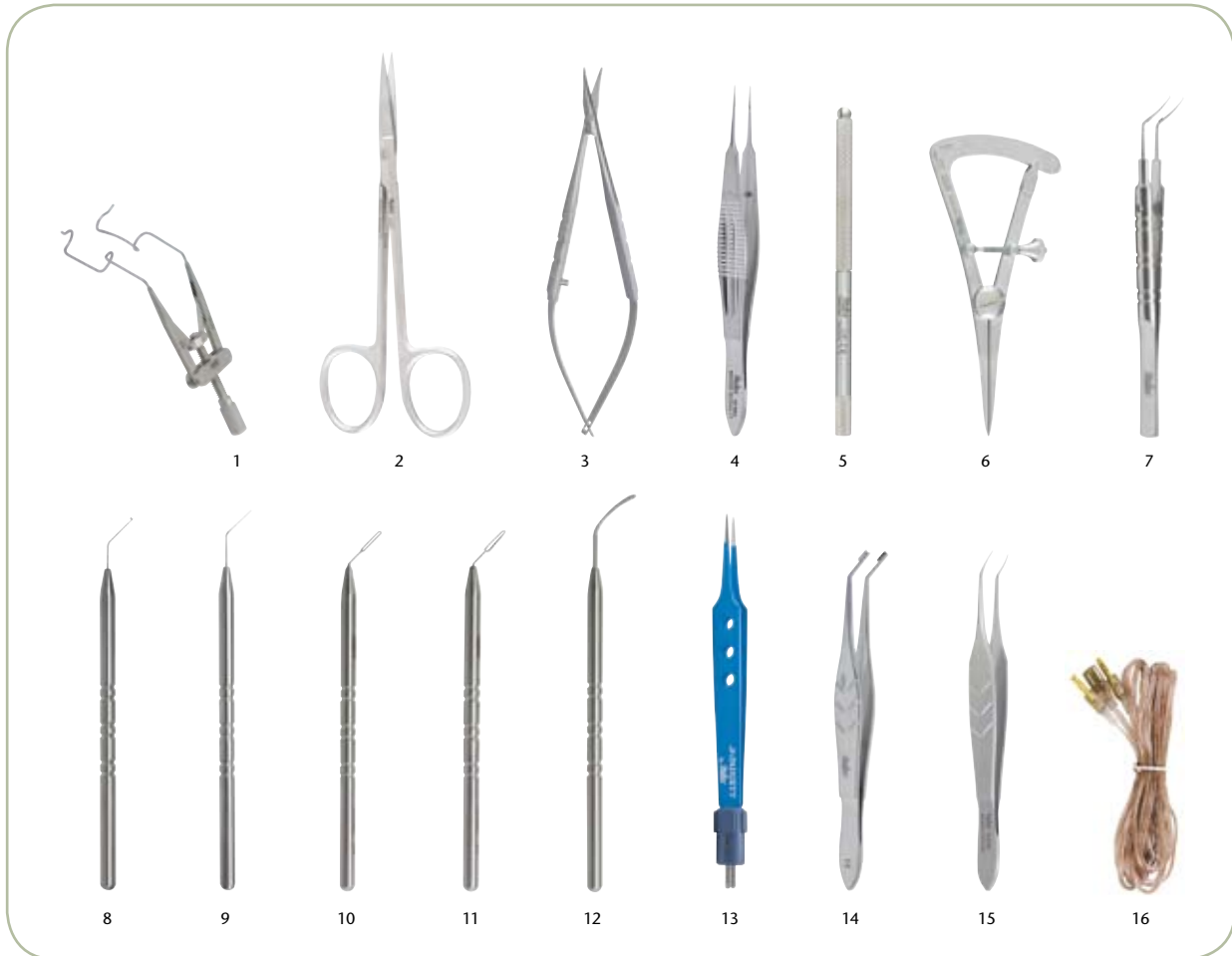
ECCE (Extra-Capsular Cataract Extraction) using PHACOEMULSIFICATION



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



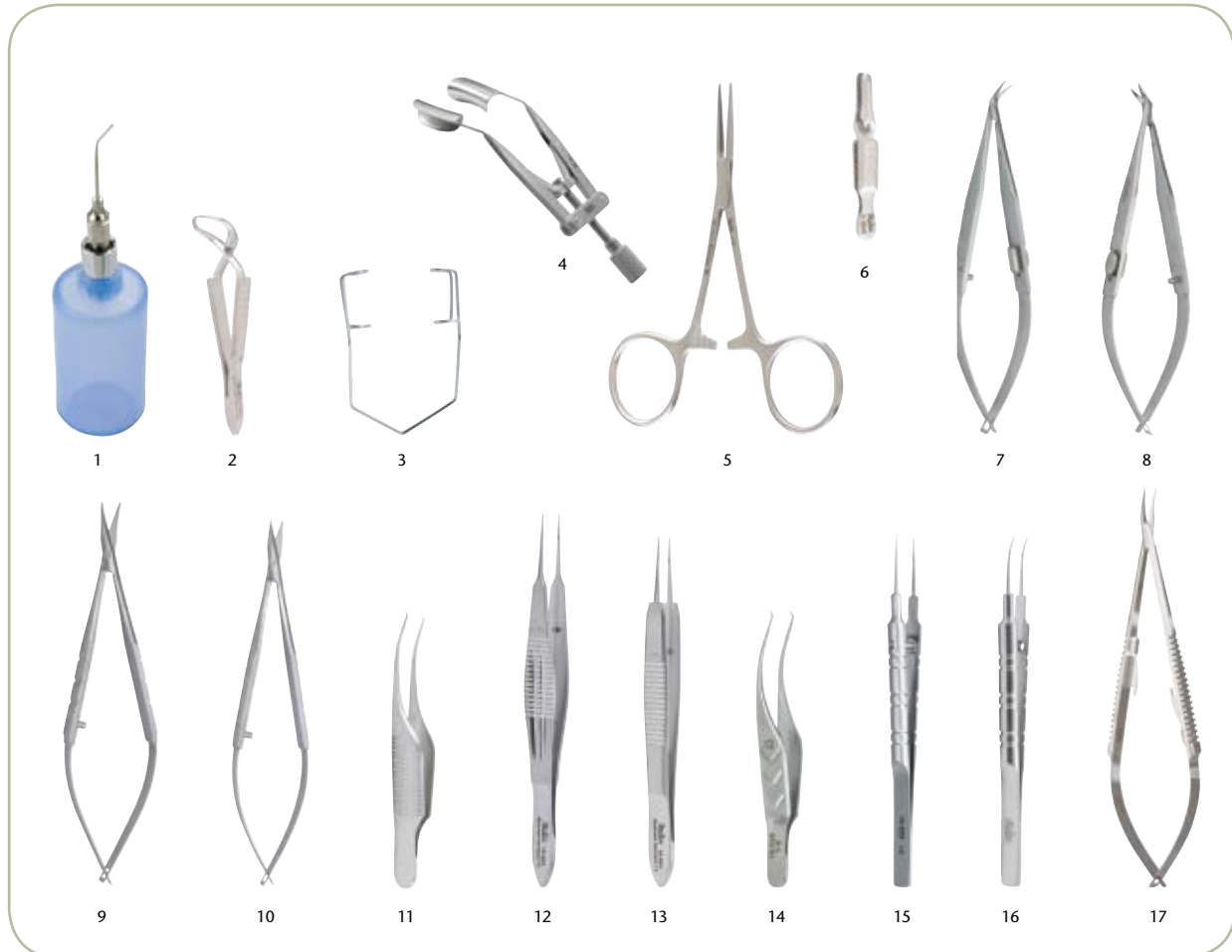
REF	Key	Description
18-39	1	Lieberman Eye Speculum, Kratz-style open wire blades
5-304	2	Iris Scissors, straight
18-1489	3	Westcott Tenotomy Scissors, curved
18-953	4	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
4-401	5	Miniature Blade Handle, 3K type with locking chuck
18-650	6	Castroviejo 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



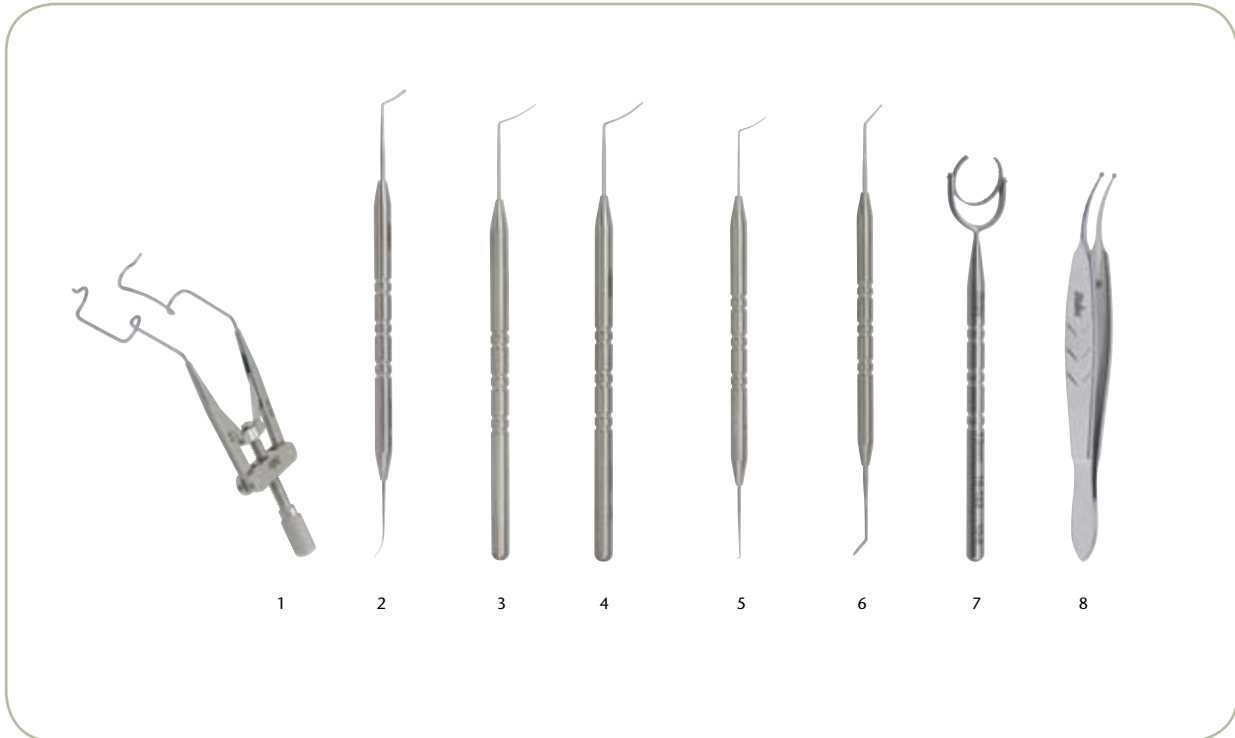
REF	Key	Description
7-501	1	Jones Towel Clamp
18-2162	2	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
7-24	3	Hartman Mosquito Forceps, straight
18-66	4	Mellinger Eye Speculum, solid blades
18-35	5	Barraquer Wire Speculum, large
5-304	6	Iris Scissors, Straight
18-1489	7	Westcott Tenotomy Scissors, 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 Ronguer, size 0, 3.5 mm
20-2	6	Vienna Nasal Speculum, large
19-844	7	Beyer Ronguer, 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>)

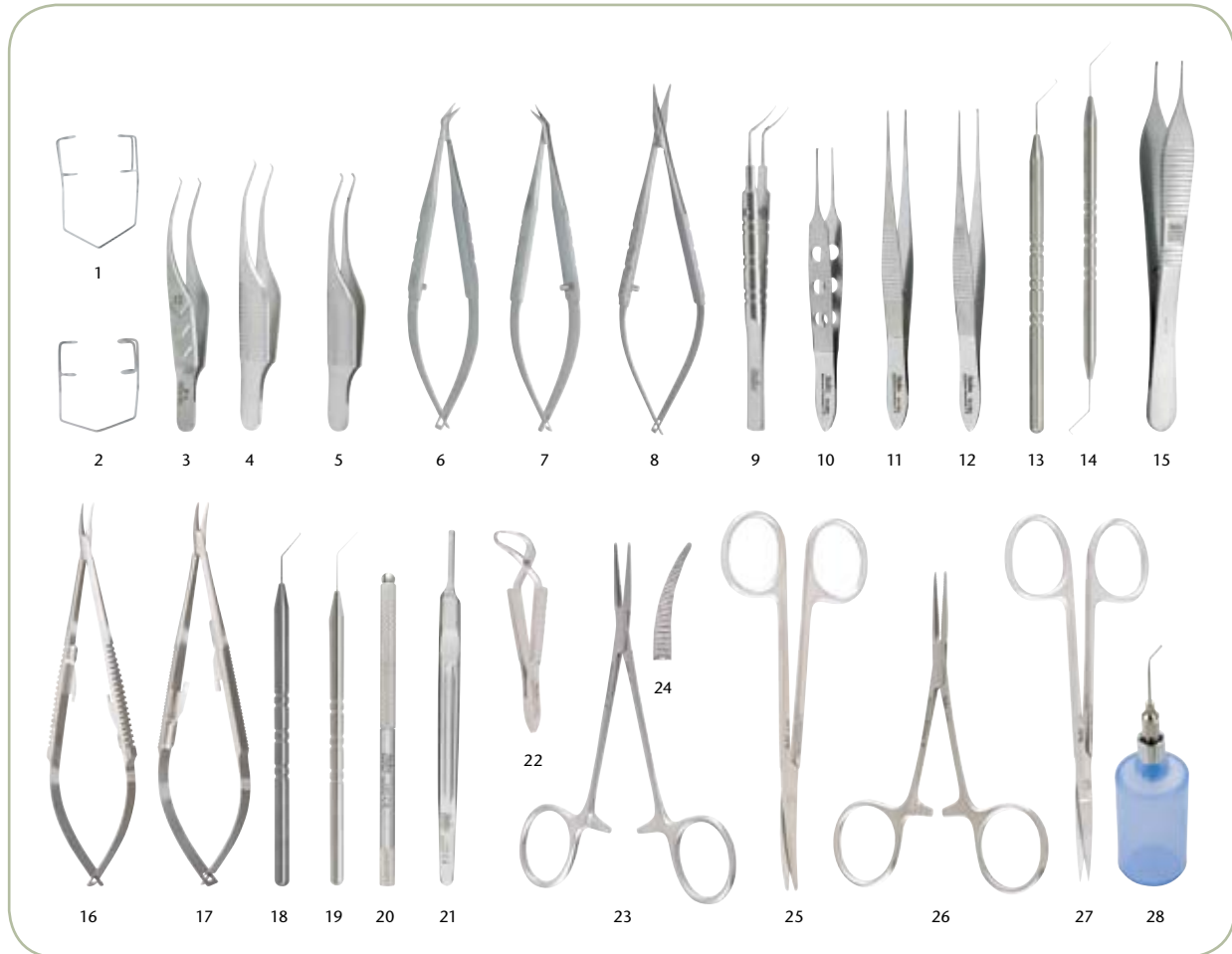
REF	Key	Description
18-650	15	Castroviejo Caliper
015999	16	Watzke Sleeve Spreading Forceps
18-971	17	Bonnaccolto Forceps, longitudinal & cross serrated tips, 1.2 mm
18-958	18	Nugent Utility Forceps, serrated
18-953	19	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
18-951	20	Castroviejo Suturing 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

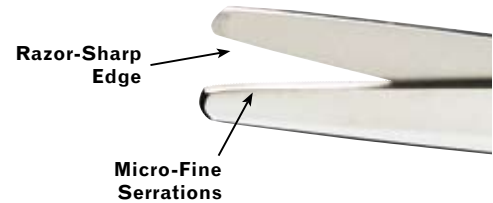
REFERENCE
WARRANTY & REPAIR



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.

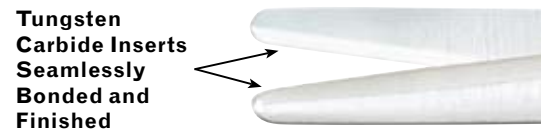


MILTEX® CARB-N-SERT® SCISSORS*

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.

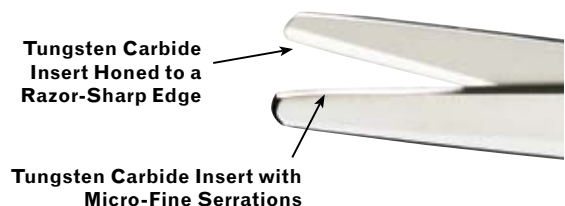
Miltex® Carb-N-Sert® Scissors are easily identified by their gold ring handles.



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 Miltex, Inc., 589 Davies Drive, York, PA 17402 or call toll free 1-866-854-8300 to place orders and for formal quotations. Orders may also be placed via toll-free fax 1-866-854-8400, on our web site at www.miltex.com (registered authorized distributors only) 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

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. 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 Miltex of any claim for a shortage or non-conformance within 7 days after receipt of shipment.

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 Miltex. Product returned without an RMA number will be returned directly to the distributor, at our cost, with a letter of explanation. Returns can only be granted and authorized by obtaining an RMA number from Miltex customer service at toll free 1-866-854-8300.

Issue of an RMA number should not be interpreted as a final credit to your customer account. 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 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

Miltex, Inc. 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 1.866.854.8300 or repairs@miltex.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 Miltex, Inc. without an RMA number will be returned to sender without being evaluated or repaired.

Once you have received your RMA number, repairs should be sent to:

Miltex, Inc.
 Repair Department
 589 Davies Drive
 York, PA 17402 USA
 RMA #: _____ (needed on outside of shipping box)

How to Package and Ship Instruments:

- Miltex, Inc. cannot accept instruments that have not been properly cleaned and sterilized.
- Include the RMA number, customer account number, customer purchase order number and reason for repair.
- Include all contact information (name, address, phone number, email address).
- Wrap instruments to protect them during transit.
- Use a common carrier (FedEx, UPS).
- Insure the package, and keep a record of the tracking number.

NOTE: We cannot accept instruments for repair at conventions or trade shows. Miltex, Inc. representatives cannot accept instruments for repair. Please follow the instructions above.

If you have questions or comments, contact Customer Service at 1.866.854.8300 or repairs@miltex.com.





10% OFF

REPAIR 5 INSTRUMENTS, RECEIVE A 10% DISCOUNT

Send in 5 or more repairable instruments and receive 10% off the total price of the repair!

For end-users only. Does not apply to government, institutional, or dealer repairs. To obtain your 10% discount, mail this voucher along with product (5 or more repairable instruments) for repair to Miltex, Inc. Attn: Return/Repair Department, 589 Davies Drive, York, PA 17402 (1-866-854-8300). Call for RMA. Discount void if not accompanied by this voucher and 5 or more repairable instruments.



10% OFF

10% OFF

10% OFF

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