MILTEX® OPTHALMIC 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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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

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**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

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**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

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**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

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**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

**Infant Lid Speculum**  
closed wire blades with gently curved springs  
18-595 1-1/3” (3.3 cm), 4 mm blades

**Plain Wire Eye Speculum**  
18-34 2-1/2” (6.4 cm), 15 mm blades

**FEASTER Wire Speculum, Extra Large Solid Blades**  
18-40 1-1/2” (3.8 cm), 20 mm blades

**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

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

MURDOCK Eye Speculum, Closed Wire Blades
18-50 2-1/4” (5.7 cm), 15 mm blades

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

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

LANCASTER Eye Speculum, Solid Blades
with adjustable locking mechanism
18-2    3-1/4” (8.3 cm), 15 x 5 mm blades

KNAPP Eye Speculum
with adjustable locking mechanism
18-4    3-1/4” (8.3 cm), 15 x 6 mm blades

CASTROVIEJO Eye Speculum
with adjustable locking mechanism
18-10   4” (10.2 cm), large, 18 x 5 mm blades

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

WILLIAMS Eye Speculum
with adjustable locking mechanism
18-22  3-1/4” (8.3 cm), large, 15 x 5 mm blades

WILLIAMS Eye Speculum
with adjustable locking mechanism
18-24  2-3/4” (7 cm), small, 11 x 5 mm blades

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

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

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

MAUMENE-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

NOTE: All above instruments are Non-Magnetic
Re t r a c t o r s
S e l f R e t a i n i n g
F i n g e r H e l d
AGRICOLA Lacrimal Sac Retractor
with adjustable locking mechanism
18-80 1-1/2” (3.8 cm), 3 x 3 sharp prongs, 4 mm deep

MELLER Lacrimal Sac Retractor
with adjustable locking mechanism
18-84 2-7/8” (7.3 cm), 3 x 3 sharp prongs, 3 mm deep

GOLDSTEIN Lacrimal Sac Retractor
with adjustable locking mechanism
18-88 1-1/8” (2.8 cm), 3 x 3 sharp prongs, 5 mm deep

STEVENSON Lacrimal Sac Retractor
with adjustable locking mechanism
18-96 3-1/4” (8.3 cm), 3 x 3 sharp prongs, 3 mm deep

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](image1)

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](image2)

JAEGGER 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](image3)

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

![PM-5430](image4)
![PM-5435](image5)
![PM-5381](image6)
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

KNAPP Lacrimal Sac Retractor, Flexible Neck
11D-27 5” (12.7 cm), 3 sharp prongs

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

SCHEPENS Orbital Retractor
18-250 6-1/8” (15.8 cm), slightly curved
**McGANNON Retractor, fenestrated blade**

18-439 5” (12.7 cm), 2.5 mm wide

**ADAMSON Double Ended Hook & Retractor**

PM-9056* 6-1/4” (15.9 cm), 7.5 x 5 mm retractor, 3 mm hook

**WRIGHT Fascia Needle**

2 mm wide tip, 1 x 6 mm oval eye

18-569 5-1/2” (14 cm)

**Smith Corneal Protection Shields**

PM-4311* autoclavable, green, 21 mm diameter
PM-4312* non-autoclavable, white, 21 mm diameter (not shown)

**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
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  

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

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

**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  

**KNAPP Knife-Needle**
18-270 4-1/2" (11.4 cm), 5 mm blade
DEAN Knife-Needle
18-292  5” (12.7 cm), curved blade 1 x 7 mm

BOWMAN Needle with Stop
18-308  4-3/4” (12.1 cm), straight blade 3 mm

GILL Corneal Knife
slightly curved cutting edge
18-330  4-3/4” (12.1 cm), 3.5 mm wide blade

TOOKE Corneal Knife
18-350  4-1/2” (11.4 cm), 2.5 x 15 mm dissecting blade

DESMARRES Corneal Dissector
18-331  4-3/4” (12.1 cm), 3 x 8 mm blade
WALTER Corneal Spud
4-5/8" (11.8 cm)
18-302 straight blade 4 mm
18-304 curved blade 4 mm

VON GRAEFE (BECKER) Cystotome
malleable shaft, right angle blade
18-314 4-3/4" (12.1 cm), 1 mm blade

WILDER Cystotome
angled blade
18-320 4-3/4" (12.1 cm), 3 mm edge

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

DAVIS Foreign Body Spud
18-372 4-3/4" (12.1 cm), 0.8 mm blade
**DIX Foreign Body Spud**

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

**ELLIS Foreign Body Spud**

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

**ALVIS Foreign Body Spud**

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

**HOSFORD Foreign Body Spud**

18-388  angled to right

18-390  angled to left

**Golf Club Foreign Body Spud**

18-301  4-1/2” (11.4 cm)
**DIx Foreign Body Needle & Spud**
Protected in sliding handle
- **18-400** 3-3/4” (9.5 cm) closed length

**DIx Foreign Body Needle & Spud**
Protected in reversible screw handle
- **18-402** 4-1/2” (11.4 cm) closed length

**DIx Foreign Body Needle**
Replacement, fits 18-402 screw handle
- **18-402A**

**DIx Foreign Body Spud**
Replacement, fits 18-402 screw handle
- **18-402B**

**DIx Foreign Body Needle & Gouge**
Protected in reversible screw handle
- **18-404** 4-1/2” (11.4 cm) closed length

**Foreign Body Needle**
- **18-370** 4-3/4” (12.1 cm), 2 x 5 mm blade
**WALTON Foreign Body Gouge**

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

**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

**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

**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
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)

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

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)

WECKER Iris Spatula
sterling blade 2 x 30 mm
18-584  5” (12.7 cm)

FISHER Spoon & Needle
curved spoon end 7 x 15 mm, needle 33 mm long
18-568  5-1/2” (14 cm)
LINDNER Cyclodialysis Spoon & Spatula
double ended, curved, malleable spatula
end is graduated in 6 mm increments
18-562 5-1/2” (14 cm)

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

CASTROVIEJO Cyclodialysis Spatula
blade 1 x 10 mm
18-576 5-1/4” (13.3 cm)

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)

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

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

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

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**NAGAHARA Nucleus Spatula**
flat inferior edge
18-589 4-1/2” (11.4 cm)
Кожа Phaco Splitter
уголка образованный нижним краем с острым кончиком
18-2014 4-1/2” (11.4 см)

Розен Phaco Splitter
60° уголок образованный нижним краем с острым кончиком
18-2015 4-1/2” (11.4 см)

Рован Phaco Splitter Combo
Розен Phaco Splitter с уголком образованный нижним краем с острым кончиком, Bechert Nucleus Rotator с острым кончиком с крючком размером 7 мм
18-2013 5” (12.7 см)

Кожа Phaco Manipulator & Splitter
тонкая и гладкая стикула для столбца, вращения, подъема и разделения ядра
18-2029 4-1/2” (11.4 см), 0.8 мм кончик

Нагахара Phaco Chopper
60° 1.5 мм режущий край
18-2018 4-1/2” (11.4 см)
NAGAHARA Phaco Chopper
90° 1.5 mm cutting edge
18-2019  4-1/2” (11.4 cm)

CHANG DUO Quick Chopper, Left
18-2017  5-1/2” (14 cm)

BECHERT Nucleus Rotator
blunt forked tip angled at 7 mm
18-2007  4-1/2” (11.4 cm)

JAFFE-BECHERT Nucleus Rotator
blunt forked tip angled at 9 mm
18-2008  4-1/2” (11.4 cm)

CLAYMAN Nucleus Rotator
0.5 mm wide flat spatula with V-notched tip
18-2009  4-3/4” (12.1 cm)
PISACANO Nucleus Rotator
flat disc shaped tip, horizontal
18-2010 4-1/2” (11.4 cm)

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

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

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

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

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

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

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

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

18-2030
18-2031 (not shown)
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

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

**HIRSCHMAN Iris Hook**
18-469  4-1/2” (11.4 cm), blunt, angled

**WIENER Corneal Hook**
18-418  5” (12.7 cm), sharp
18-420  5” (12.7 cm), blunt

**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

**GUTHRIE Fixation Hook**
sharp double prongs, 1.5 mm wide
18-416  5” (12.7 cm)
TYRELL Hook
18-412 5” (12.7 cm), sharp
18-414 5” (12.7 cm), blunt

O’CONNOR Hook
18-424 4-3/4” (12.1 cm), sharp

NUGENT Hook
18-428 4-3/4” (12.1 cm), right angle, sharp

McGANNON Hook & Retractor
2.5 mm wide
18-439 5” (12.7 cm), fenestrated blade

STEVENS Tenotomy Hook
5 mm deep
18-440 5” (12.7 cm), right angle
GREEN Strabismus Hook
18-442 5” (12.7 cm), 9 mm deep

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

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

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

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

SELTZER Hook
33-121 4-1/2” (11.4 cm), sharp
GASS Retinal Detachment Hook
18-2127 5-3/4” (14.6 cm), with oval hole

THORTON Globe Fixation Ring
16 mm diameter ring, multiple blunt atraumatic teeth, for refractive surgery procedures
18-121 4” (10.2 cm)

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)

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)

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)
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

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

FISHER Spoon and Needle
curved spoon end 7 x 15 mm, needle 33 mm long
18-568  5-1/2” (14 cm)

DAVIEL Lens Spoon
18-472  5” (12.7 cm), 3 mm wide

BUNG Evisceration Spoon
5-1/2” (14 cm)
18-540  small, 8 mm cup
18-542  large, 11 mm cup

WELLS Enucleation Scoop
18-550  6” (15.2 cm), 21 mm cup
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

**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

**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)

**ARRUGA Capsule Forceps**  
18-1000  4” (10.2 cm), standard curve  
18-1002  4” (10.2 cm), new curve

**MILTEX® Extra-Capsular Forceps**  
improved pattern with 11 x 11 teeth  
18-1034  4” (10.2 cm), long convex curve
CASTROVIEJO Capsule Forceps
cross action with stop to limit
opening of blades
18-1050 4” (10.2 cm)

SCHWEIGER Extra-Capsular Forceps
18-1058 3-3/4” (9.5 cm), 4 x 5 teeth, curved

FUCHS Extra-Capsular Forceps
18-1060 2-3/4” (7 cm), 5 x 5 teeth, angled

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)
GASKIN Fragment Forceps
11 mm long smooth jaws
18-981 4” (10.2 cm), angled

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

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

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

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

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

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

LIEBERMAN Micro Ring Lens Forceps
15° jaw angulation, facilitates implantation
of IOL, haptic and optic
18-1089 4-1/2" (11.4 cm)
**SHEPARD Intraocular Lens Holding Forceps**  
17 mm gently curved jaws, serrated paddle shaped tips  
**18-1080**  
4-1/2” (11.4 cm)

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

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

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

**BLAYDES Lens Holding Forceps**  
very delicate narrow and smooth jaws, angled 45°  
**18-1083**  
4-1/2” (11.4 cm)
**FAULKNER Lens Holding Forceps**
round smooth jaws for holding soft IOLs
18-1086  4" (10.2 cm)

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

**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)

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

**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)
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

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

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

KELMAN-McPHERSON Forceps
7.5 mm long platform, smooth jaws, ideal for implanting IOLs
18-931 4” (10.2 cm), angled

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
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

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

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

CASTROVIEJO Suturing Forceps
1 x 2 teeth with tying platform, narrow handles
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

CASTROVIEJO Suturing Forceps
1 x 2 teeth with tying platform, narrow handles
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

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

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

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

CASTROVIEJO Suturing Forceps
1 x 2 teeth with tying platform, narrow handles
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

CASTROVIEJO Suturing Forceps
1 x 2 teeth with tying platform, narrow handles
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
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

![HARMS Colibri Forceps](image)

**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

![TROUTMAN-BARRAQUER Colibri Type](image)

**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

![PIERSE Colibri Type Corneal Forceps](image)

**CASTROVIEJO Colibri Type Corneal Forceps**
very delicate 1 x 2 teeth, with tying platform
18-883 4” (10.2 cm), 0.12 mm

![CASTROVIEJO Colibri Type Corneal Forceps](image)

**GILL Iris Forceps**
1 x 2 teeth
18-834 2-7/8” (7.3 cm), 0.6 mm

![GILL Iris Forceps](image)
GILL (CHANDLER) Iris Forceps
fine cross serrated jaws, no teeth
18-825  3” (7.6 cm), 0.6 mm

GILL-HESS Iris Forceps
1 x 2 teeth forward
18-830  2-3/4” (7.0 cm), 0.5 mm

BOTVIN Iris Forceps
fine cross serrated jaws, no teeth
18-829  2-7/8” (7.3 cm), 0.5 mm

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

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
**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

**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

**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

**O’CONNOR Iris Forceps**
1 x 2 teeth, angled
- 18-793 3-3/4” (9.5 cm), 0.5 x 9 mm

**STEVENS Iris Forceps**
1 x 2 teeth, straight
- 18-804 4” (10.2 cm), 1 mm
### 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

### Graefe Eye Dressing Forceps
serrated

- **18-814**: 2-3/4” (7.0 cm), straight
- **18-818**: 2-3/4” (7.0 cm), curved

### Cobaugh Iris Forceps
1 x 2 teeth

- **PM-4212**: 4” (10.2 cm), straight

### Cobaugh Eye Dressing Forceps
serrated

- **PM-4213**: 4” (10.2 cm), straight

### Bracken Iris Forceps
fine cross serrated jaws

- **18-794**: 4” (10.2 cm)
KIRBY Iris Forceps
1 x 2 teeth
18-620 4” (10.2 cm), straight
18-624 4” (10.2 cm), curved

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

KIRBY Cornea-Scleral Forceps
1 x 2 teeth
18-632 4” (10.2 cm), angled tips

Strabismus Forceps
1 x 2 teeth
18-840 4” (10.2 cm), 1 mm

Micro ADSON Tissue Forceps
1 x 2 teeth
17-2500 4-3/4” (12.1 cm), 0.5 mm

Micro ADSON Dressing Forceps
serrated
17-2510 4-3/4” (12.1 cm), 0.5 mm
**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

**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

**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
**Micro (Jeweler) Forceps**
delicate fine points
PM-4746*  4-1/2” (11.4 cm), style 0

**Micro (Jeweler) Forceps**
fine points
PM-4749*  5-1/4” (13.3 cm), style 26-SA

**Micro (Jeweler) Forceps**
angled
PM-4928*  4-1/2” (11.4 cm)

**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)

BEER Cilia Forceps
4 mm wide smooth jaws
18-1102 3-1/2” (8.9 cm)

ZIEGLER Cilia Forceps
2 mm wide serrated jaws
18-1104 3-1/2” (8.9 cm)

DOUGLAS Cilia Forceps
thin jaws 2.5 mm wide, with fine horizontal serrations
18-1106 3-1/2” (8.9 cm)

SWISS Cilia & Suture Forceps
3 mm wide precision fitted diagonal smooth jaws
18-1107 3-3/4” (9.5 cm)
BERGH Cilia Forceps
5 mm wide jaws with horizontal serrations
18-1110 3-1/2” (8.9 cm)

BARRAQUER Cilia & Suture Forceps
5 mm smooth platform
18-1111 4-1/2” (11.4 cm)

BENNETT Cilia Forceps
3 mm diameter cup shaped jaws, fenestrated
18-1112 3” (7.6 cm)

BEAUPRE Cilia Forceps
12 mm long smooth jaws, 45° angle
18-1114 4-1/2” (11.4 cm)

GRADLE Cilia Forceps
1.4 mm wide precision ground jaws, smooth
18-1116 4” (10.2 cm)
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

ERHARDT Lid Forceps
serrated jaws 9.5 mm wide
18-1150  3-1/2” (8.9 cm)

SNELLEN Entropium Forceps
35 mm wide plate
18-1160  3-3/4” (9.5 cm), left

SNELLEN Entropium Forceps
35 mm wide plate
18-1162  3-3/4” (9.5 cm), right

BAIRD Chalazion Forceps
oval, inside ring 8 x 11 mm, small
18-1171  4” (10.2 cm)
AYER Chalazion Forceps
round, inside ring diameter 8.5 mm, solid blade 8 mm diameter
18-1170 3-1/2” (8.9 cm)

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)

HUNT Chalazion Forceps
round, inside ring 12 mm
18-1178 3-3/4” (9.5 cm)

HEATH Chalazion Forceps
oval, inside ring 12 x 14 mm
18-1182 4” (10.2 cm)

SPENCER Chalazion Forceps
oval, inside ring 10 x 12 mm, with slide lock
18-1188 4” (10.2 cm)
WIES Chalazion Forceps
inside ring 9 x 12 mm
18-1190 4" (10.2 cm)

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

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

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

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
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

WALDEAU Fixation Forceps
concave jaws 5 mm wide, with fine teeth

18-860 4-3/8“ (11.2 cm)

VON GRAEFE Tissue Forceps
fine multiple atraumatic teeth

PM-6200* 4-1/4“ (10.8 cm)

CASTROVIEJO (ALVIN) Fixation Forceps
1 x 1 curved teeth extending beyond each other

18-876 3-3/4“ (9.5 cm), straight

CASTROVIEJO Fixation Forceps
2 x 2 curved teeth extending beyond each other

18-878 3-3/4“ (9.5 cm), straight

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

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

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

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

KIRBY Fixation Forceps
1 x 2 teeth, with slide lock
18-628 4” (10.2 cm), straight
<table>
<thead>
<tr>
<th>Forceps</th>
<th>Description</th>
<th>Code</th>
<th>Length</th>
<th>Jaws Type</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NUGENT Utility Forceps</strong></td>
<td>4-1/4&quot; (10.8 cm) angled smooth jaws, 1.2 mm</td>
<td>18-956</td>
<td>4-1/4&quot;</td>
<td>smooth</td>
</tr>
<tr>
<td></td>
<td>angled cross serrated jaws, 1.2 mm</td>
<td>18-958</td>
<td>4-1/4&quot;</td>
<td>cross serrated</td>
</tr>
<tr>
<td><strong>McCULLOUGH Utility Forceps</strong></td>
<td>4&quot; (10.2 cm) straight smooth jaws, 1.5 mm</td>
<td>18-962</td>
<td>4&quot;</td>
<td>smooth</td>
</tr>
<tr>
<td></td>
<td>straight cross serrated jaws, 1.5 mm</td>
<td>18-964</td>
<td>4&quot;</td>
<td>cross serrated</td>
</tr>
<tr>
<td><strong>McCULLOUGH Suturing Forceps</strong></td>
<td>1 x 2 teeth with cross serrated jaws</td>
<td>18-966</td>
<td>4&quot;</td>
<td>cross serrated</td>
</tr>
<tr>
<td><strong>KURTH Suture Forceps</strong></td>
<td>smooth tying platform</td>
<td>PM-4136*</td>
<td>4&quot; (10.2 cm)</td>
<td>smooth</td>
</tr>
<tr>
<td><strong>WILLS HOSPITAL Utility Forceps</strong></td>
<td>cross serrated tying platform</td>
<td>18-970</td>
<td>4&quot; (10.2 cm)</td>
<td>cross serrated</td>
</tr>
</tbody>
</table>
BONNACOLTO Utility Forceps
longitudinal serrations with cross serrations on jaws, 1.2 mm wide with tapered tips
18-971  4” (10.2 cm)

SCHAFF Foreign Body Forceps
grooved jaws, octagonal handle
18-978  3-3/4” (9.5 cm)

THORPE Corneal & Splinter Forceps
very sharp points, fine serrated jaws
18-980  4-1/2” (11.4 cm)

ADSON Dressing Forceps
delicate, serrated
6-118  4-3/4” (12.1 cm), straight
6-118A  4-3/4” (12.1 cm), angled

ADSON Dressing Forceps
delicate, serrated, lightweight fenestrated handles
6-118XL  4-3/4” (12.1 cm), straight
Micro ADSON Dressing Forceps
serrated
17-2510 4-3/4" (12.1 cm), 0.5 mm

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

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

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

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

**ADSON Dressing, Tissue & Suture Forceps**
1 x 2 teeth, with tying platform
6-123 4-3/4” (12.1 cm)

**ADSON Dressing, Tissue & Suture Forceps**
1 x 2 teeth, with tying platform, lightweight fenestrated handles
6-123XL 4-3/4” (12.1 cm)

**ADSON Dissecting Forceps**
fine 1 x 2 teeth, narrow lightweight handles
PM-0278* 4-3/4” (12.1 cm)

**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
**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)  

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

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

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

**GRAZER Blepharoplasty Forceps**  
4 x 5 in-line teeth  
PM-6245*  4-1/4” (10.8 cm)
**ADSON Bipolar Forceps**

4-1/4" (108 mm)

- PM-9410* needle
- PM-9411* 0.5 mm

**Jeweler’s Bipolar Forceps**

4-1/4" (10.8 cm)

- PM-9420* needle
- PM-9421* 0.5 mm

**Jeweler’s Bipolar Forceps**

curved

PM-9425*

4-3/4" (12.1 cm), 1.0 mm

**Bayonet Bipolar Forceps**

PM-9430*

6-1/2" (16.5 cm), 0.5 mm

**Bayonet Bipolar Forceps**

PM-9431*

6-1/2" (16.5 cm), 1.0 mm
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

JACOBSON Micro Mosquito Forceps
extremely delicate
17-2600  5" (12.7 cm), straight
17-2602  5" (12.7 cm), curved

HALSTED Mosquito Forceps
non-magnetic
18-1934  5" (12.7 cm), straight
18-1936  5" (12.7 cm), curved
HALSTED Mosquito Forceps
extra delicate
7-8 5" (12.7 cm), straight
7-10 5" (12.7 cm), curved

HALSTED Mosquito Forceps
7-2 5" (12.7 cm), straight
7-4 5" (12.7 cm), curved

JONES Towel Clamp
7-500 3-1/2" (8.9 cm)
7-501 2-1/4" (5.7 cm)
BACKHAUS Towel Clamp
7-504  3-1/2" (8.9 cm)
7-506  5-1/4" (13.3 cm)

LORNA Non-Perforating Towel Clamp
7-514  4" (10.2 cm)
7-515  5-1/4" (13.3 cm)

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
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

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

DIETHRICH 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
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)

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

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

**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

**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

**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
**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

CASTROVIEJO Universal Corneal Scissors
strong curve, blunt tips, large blades
18-1568  4-1/4" (10.8 cm)

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

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

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)
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

McGUIRE Corneal Scissors
curved, blunt tips
18-1594 4-1/8” (10.5 cm), right
18-1596 4-1/8” (10.5 cm), left

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

McPHERSON-WESTCOTT Conjunctival Scissors
small blades, blunt tips
18-1441 4-1/8” (10.5 cm), curved
**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

**WILMER (CONVERSE) Conjunctival and Utility Scissors**
angled on flat, semi-sharp tips
- **18-1440** 4” (10.2 cm), flattened thin blades

**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

**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
CASTROVIEJO Keratoplasty Scissors
medium blades, blunt tips
18-1581 4-1/4" (10.8 cm), angled to side

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)

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

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
SCISSORS

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**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length (cm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-1460</td>
<td>4-1/8&quot; (10.5 cm), straight, sharp tips</td>
<td></td>
</tr>
<tr>
<td>18-1464</td>
<td>4-1/8&quot; (10.5 cm), curved, sharp tips</td>
<td></td>
</tr>
<tr>
<td>18-1462</td>
<td>4-1/8&quot; (10.5 cm), straight, blunt tips</td>
<td></td>
</tr>
<tr>
<td>18-1466</td>
<td>4-1/8&quot; (10.5 cm), curved, blunt tips</td>
<td></td>
</tr>
</tbody>
</table>

**STEVENS Tenotomy Scissors**

**long blades**

<table>
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<tr>
<th>Code</th>
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<tbody>
<tr>
<td>18-1470</td>
<td>4-1/2&quot; (11.4 cm), straight, sharp tips</td>
<td></td>
</tr>
<tr>
<td>18-1474</td>
<td>4-1/2&quot; (11.4 cm), curved, sharp tips</td>
<td></td>
</tr>
<tr>
<td>18-1472</td>
<td>4-1/2&quot; (11.4 cm), straight, blunt tips</td>
<td></td>
</tr>
<tr>
<td>18-1476</td>
<td>4-1/2&quot; (11.4 cm), curved, blunt tips</td>
<td></td>
</tr>
</tbody>
</table>

**STEVENS Tenotomy Scissors, SuperCut**

long blades, one micro fine serrated blade

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>18-SC-1470</td>
<td>4-1/2&quot; (11.4 cm), straight, sharp tips</td>
<td></td>
</tr>
<tr>
<td>18-SC-1474</td>
<td>4-1/2&quot; (11.4 cm), curved, sharp tips</td>
<td></td>
</tr>
<tr>
<td>18-SC-1472</td>
<td>4-1/2&quot; (11.4 cm), straight, blunt tips</td>
<td></td>
</tr>
<tr>
<td>18-SC-1476</td>
<td>4-1/2&quot; (11.4 cm), curved, blunt tips</td>
<td></td>
</tr>
</tbody>
</table>

**STEVENS Tenotomy Scissors, SuperCut**

long blades, one micro fine serrated blade

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>PM-6860*</td>
<td>4-1/2&quot; (11.4 cm), curved, semi-sharp tips</td>
<td></td>
</tr>
</tbody>
</table>

* PM-6860*
STEVENs Tenotomy Scissors, Tungsten Carbide
long blades, semi-sharp tips
PM-6436* 4-1/2” (11.4 cm), curved

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

PADGETT-STEVENs Tenotomy Scissors, Tungsten Carbide
long blades, sharp tips, one serrated blade
PM-4843* 5” (12.7 cm), curved

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

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

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

GRADLE Scissors, SuperCut
slightly curved, one micro fine serrated blade
18-SC-1652  3-3/4" (9.5 cm), blunt tips
GRADLE Scissors, SuperCut
ribbon type, slightly curved, one micro fine serrated blade
PM-6818*  4” (10.2 cm), sharp tips

EYE SUTURE Scissors
ribbon type, slightly curved
18-1653  4” (10.2 cm), sharp tips

IRIS Scissors
sharp tips, small blades
18-1410  4-1/8” (10.5 cm), straight
18-1409  4-1/8” (10.5 cm), curved

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
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

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

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

GILLS-VANNAS Scissors
sharp tips, extra thin 7 mm long rounded blades
18-1639 4” (10.2 cm) angled forward
**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

**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

**STERN-GILLS Scissors**

- Sharp tips, extra thin 10 mm long rounded blades
- **18-1640** 4-1/8” (10.5 cm), straight, angled forward

**URIBE-STERN Scissors**

- Sharp tips, extra thin 10 mm long rounded blades
- **18-1641** 4-1/8” (10.5 cm), curved, angled forward
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

NOYES (ROSS) Iris Scissors
curved
- 18-1516: 4-1/2" (11.4 cm), sharp/sharp tips

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

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

* (1/1)
**DeWECKER Iris Scissors**  
7 mm blades, sharp tips  
18-1524 4-1/4” (10.8 cm), angled

---

**McCLURE Iris Scissors**  
4 mm blades with delicate sharp tips  
18-1550 3-3/4” (9.5 cm), angled to side

---

**McCLURE Iris Scissors**  
delicate 4 mm blades with sharp tips  
18-1552 3-3/4” (9.5 cm), angled on flat

---

**McCLURE Iris Scissors**  
regular 10 mm blades with sharp tips  
18-1554 4-1/2” (11.4 cm), angled on flat
MICRO Iris Scissors
sharp tips
18-1618  4” (10.2 cm), straight
18-1619  4” (10.2 cm), curved

MICRO Scissors
super fine blades
18-1633  3-1/4” (8.3 cm), straight
18-1634  3-1/4” (8.3 cm), curved

MILTEX® Iris Scissors
heavy pattern
18-1404  4” (10.2 cm), straight
18-1405  4” (10.2 cm), curved

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
**IRIS Scissors**
ribbon type, standard pattern, sharp tips
18-1415 4” (10.2 cm), straight
18-1416 4” (10.2 cm), curved

**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

**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

**IRIS Scissors**
sharp tips
5-300 4” (10.2 cm), straight
5-302 4” (10.2 cm), curved
**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

**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

**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

**WALKER Iris Scissors**
sharp tips
PM-4635* 4-1/2” (11.4 cm), curved to side
SCISSORS

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

**IRIS Operating Scissors**

sharp tips

5D-303  4-1/2” (11.4 cm), curved sideways

**JAFFE Stitch Scissors**

very sharp pointed tips, medium rounded blades

18-1335  4-1/4” (10.8 cm), curved

**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
**McPHerson-westcott Stitch Scissors**  
very sharp tips, small blades  
18-1485  4-1/8” (10.5 cm), curved

**Eye Suture (Gradle) Scissors**  
sharp tips  
18-1652  3-3/4” (9.5 cm), slightly curved

**Eye Suture (Gradle) Scissors, SuperCut**  
blunt tips, one micro fine serrated blade  
18-sc-1652  3-3/4” (9.5 cm), slightly curved

**Eye Suture Scissors**  
ribbon type, sharp tips  
18-1653  4” (10.2 cm), slightly curved
HAYNES Suture Scissors
ribbon type, sharp tips
PM-4648*  4-3/8” (11.1 cm), curved

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

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)
SPENCER Stitch Scissors
delicate, with hook
9-100  3-1/2” (8.9 cm), straight

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

SHORTBENT Stitch Scissors
delicate, with hook
9-101  3-1/2” (8.9 cm), curved

O’BRIEN Stitch Scissors
sharp tips
9-110  3-3/4” (9.5 cm), angled
**HOOD Micro Stitch Scissors**
sharp tips
PM-4956* 4-1/2” (11.4 cm), curved

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

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

**MOSBY Utility Scissors**
sharp tips
PM-4718* 3-3/4” (9.5 cm), curved
LA GRANGE Sclerectomy Scissors
sharp tips, one serrated blade, S-shape
5D-324 4-1/4" (10.8 cm), curved

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

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

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

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

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

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

**RAGNELL (KILNER) Scissors**
blunt flattened tip
- **5-290** 5” (12.7 cm), curved

**RAGNELL (KILNER) Scissors, SuperCut**
blunt flattened tip, one micro fine serrated blade
- **5-SC-290** 5” (12.7 cm), curved

**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

*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

**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

**GREENBERG PAR Tissue & Dissecting Scissors, Tungsten Carbide**
delicate blades with blunt tips, one serrated blade
PM-2908* 4-1/2” (11.4 cm), curved

**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
JABALEY Scissors, SuperCut
semi-sharp tips, angled open shanks,
one micro fine serrated blade
PM-6863*  4-1/2" (11.4 cm), straight
PM-6862*  4-1/2" (11.4 cm), curved

MILTEX® & Padgett™ Blepharoplasty/Dissecting Scissors, Tungsten Carbide
delicate flat tips, one serrated blade
21-537TC  4-1/2" (11.4 cm), curved
PM-6435*  4-1/2" (11.4 cm), curved

KAYE Blepharoplasty & Fine Dissecting Scissors
ribbon type, one serrated blade
5-263  4-1/4" (10.8 cm), curved
PM-4955*  4-1/4" (10.8 cm), curved
Needle Holders
**BARRAQUER Needle Holder**
- delicate smooth jaws
  - 18-1852  5-1/2” (14 cm), straight, with lock
  - 18-1853  5-1/2” (14 cm), curved, with lock
  - 18-1850  5-1/2” (14 cm), straight, without lock
  - 18-1854  5-1/2” (14 cm), curved, without lock

**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

**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

**BARRAQUER Needle Holder**
- curved, smooth delicate tapered jaws,
  8 mm wide solid round handle
  - 18-1840  5-1/8” (13 cm), without lock
**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

**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

**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

**McPHerson Needle Holder for Microsurgery**
smooth tapered jaws, with lock
18-1837 4” (10.2 cm), curved
**MILTEX® Micro Surgery Needle Holders**
curved, smooth jaws with 0.6 mm tips,
hollow round handles
17-1000  5-1/4” (13.3 cm), without lock
17-1020  5-1/4” (13.3 cm), with lock

**CASTROVIEJO Needle Holder**
smooth jaws, without lock
18-1820  5-1/2” (14 cm), straight
18-1824  5-1/2” (14 cm), curved

**CASTROVIEJO Needle Holder**
smooth jaws, with lock
18-1828  5-1/2” (14 cm), straight
18-1832  5-1/2” (14 cm), curved

**CASTROVIEJO Needle Holder, Tungsten Carbide**
straight, with lock
18-1828TC  5-1/2” (14 cm), smooth jaws
PM-2445*  5-1/2” (14 cm), smooth jaws
18-1828A-TC  5-1/2” (14 cm), serrated jaws
PM-2440*  5-1/2” (14 cm), serrated jaws
CASTROVIEJO Needle Holder, Tungsten Carbide
curved, with lock
18-1832TC  5-1/2” (14 cm), smooth jaws
PM-2446*  5-1/2” (14 cm), smooth jaws
18-1832A-TC  5-1/2” (14 cm), serrated jaws
PM-2441*  5-1/2” (14 cm), serrated jaws

CASTROVIEJO Needle Holder
eextra delicate smooth jaws, with lock
18-1831  5-1/2” (14 cm), straight
18-1833  5-1/2” (14 cm), curved

MILTEX-CASTROVIEJO Needle Holder, Tungsten Carbide
delicate smooth jaws, round hollow handles, with lock
18-1816TC  4-3/4” (12.1 cm), straight

PADGETT-CASTROVIEJO Needle Holder
eextra delicate smooth jaws, flat handles, with lock
holds 7/0 sutures
PM-4709*  5-1/2” (14 cm), straight
**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)

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)
**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  
in 18-680  
5-1/2" (14.0 cm)  

HOSFORD Lacrimal Dilator  
double ended  
in 18-688  
4-3/4" (12.1 cm)  

CASTROVIEJO Lacrimal Dilator  
double ended - needle point/medium tip  
in 18-691  
5-1/2" (14.0 cm)  

MULDOON Lacrimal Dilator  
3 mm straight tip to act as guide for  
tapered dilator  
in 18-692  
4" (10.2 cm)  

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  

RUEDEMANN Infant Lacrimal Dilator  
very delicate  
in 18-700  
3" (7.6 cm), 0.5 mm tip  

www.miltex.com
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

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
**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

**BEYER Rongeur**
- **3 mm bite, double action**
- **19-844**: 7” (17.8 cm), slightly curved

**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
**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

**FREER Chisel**  
4 mm wide  
- **18-1960**: 6-1/2" (16.5 cm), curved

**FREER Elevator**  
Double ended, sharp and blunt blades  
- **18-1968**: 7" (17.8 cm), curved, 5 mm wide

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

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

TIECK (HALLE) Infant Nasal Speculum
20-12  5-1/2” (14.0 cm)

VIENNA Nasal Speculum
lightweight
20-7  5-3/4” (14.6 cm), child size
20-6  5-3/4” (14.6 cm), adult size
**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

**GERZOG Mallet**
head 8 oz. (226 grams), lead filled with stainless jacket
- 19-790 7-1/2" (19.1 cm)

**MILTEX® Mallet**
lightweight 7.5 oz. (213 grams), 1" (2.5 cm) diameter stainless head with 2 replaceable nylon caps
- 19-793 7-1/2" (19.1 cm)

**NYLON Cap Replacement**
- 19-795 fits item 19-793
Calipers
**SCHIOOTZ 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.

---

**Case for SCHIOOTZ 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)

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**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
**THORPE Caliper**
graduated in inches and millimeters; permits measurements in deep areas

- **18-657** 4-1/2” (11.4 cm)

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**JAMESON Caliper**
graduated in inches and millimeters with thin tips; chrome

- **18-658** 3-3/4” (9.5 cm)

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**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

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**Micro Boley Gauge**
stainless steel

- **68-697** 5” (12.7 cm)
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.) | | | |

| **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.) | | | |

| **Knife Handle** | | | |
| --- | --- | --- | |
| No. 3, blades 10-15c, graduated in mm/cm, flat handle | 4-7 | 5" (12.7 cm) | |
| No. 9, blades 10-15c, stainless steel, flat handle | 4-16 | 4-1/2" (11.4 cm) | |

| **SIEGEL Knife Handle** | | | |
| --- | --- | --- | |
| No. 3, blades 10-15c, round handle | 4-17 | 5-3/4" (14.6 cm) | |

| **BARRONS Knife Handle** | | | |
| --- | --- | --- | |
| No. 3, blades 10-15c, octagonal handle | PM-425* | 5-1/2" (14.0 cm) | |
**BARRAQUER Blade Breaker & Holder**  
with ratchet lock  
**18-170**  
4-1/2” (11.4 cm)

**CASTROVIEJO Blade Breaker & Holder**  
with push-pull lock  
**18-171**  
5-1/4” (13.3 cm)

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

**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

<table>
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<tr>
<th>CS* REF</th>
<th>SS** REF</th>
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<td>4-312B*</td>
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<tr>
<td>4-115C**</td>
<td>4-315C**</td>
<td>15C**</td>
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*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)*

**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)*

**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

**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

*(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)

---

**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)

---

**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)*

---

**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

*(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

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)

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.

<table>
<thead>
<tr>
<th>REF</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>VSTSA</td>
<td>Grey - 50 pieces</td>
</tr>
<tr>
<td>VSTSB</td>
<td>Blue - 50 pieces</td>
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<tr>
<td>VSTSD</td>
<td>Gold - 50 pieces</td>
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<tr>
<td>VSTSG</td>
<td>Green - 50 pieces</td>
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<td>VSTSK</td>
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<tr>
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<td>VSTSP</td>
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<td>VSTSR</td>
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<td>Purple - 50 pieces</td>
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<tr>
<td>VSTSW</td>
<td>White - 50 pieces</td>
</tr>
<tr>
<td>VSTSY</td>
<td>Yellow - 50 pieces</td>
</tr>
<tr>
<td>VST</td>
<td>Kit of 12 colors - 480 pieces (40 of each color)</td>
</tr>
<tr>
<td>VSTA</td>
<td>Kit of 12 colors - 120 pieces (10 of each color)</td>
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(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.

<table>
<thead>
<tr>
<th>REF</th>
<th>Description</th>
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<tbody>
<tr>
<td>017-48220</td>
<td>TAPE N’TELL WHITE</td>
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<tr>
<td>017-48221</td>
<td>TAPE N’TELL YELLOW</td>
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<tr>
<td>017-48222</td>
<td>TAPE N’TELL RED</td>
</tr>
<tr>
<td>017-48223</td>
<td>TAPE N’TELL BLUE</td>
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<td>017-48224</td>
<td>TAPE N’TELL GREEN</td>
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<td>017-48225</td>
<td>TAPE N’TELL BLACK</td>
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<tr>
<td>017-48226</td>
<td>TAPE N’TELL ORANGE</td>
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<tr>
<td>017-48227</td>
<td>TAPE N’TELL BROWN</td>
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<tr>
<td>017-48230</td>
<td>TAPE N’TELL 8 ASSORTED</td>
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</table>

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

- 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 | Tinted | Solid | Solid | Non-Vented | 3-2501 | 1/16” x 3/4” (1.6 mm x 19 mm) | 1 | White*
3-2502 | 3-2502T | 3-2502V | 3-2502 | 5/64” x 3/4” (2 mm x 19 mm) | 2 | Blue*
3-2503 | 3-2503T | 3-2503V | 3-2503 | 7/64” x 3/4” (2.8 mm x 19 mm) | 3 | Green*
3-2504 | 3-2504T | 3-2504V | 3-2504 | 1/8” x 1” (3.2 mm x 25.4 mm) | 4 | Red*
3-2505 | 3-2505T | 3-2505V | 3-2505 | 3/16” x 1” (4.8 mm x 25.4 mm) | 5 | Yellow*
3-2506 | 3-2506T | 3-2506V | 3-2506 | 13/32” x 3/4” (10.3 mm x 19 mm) | 6 | Maroon*
3-2507 | 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*
3-2508 | 3-2508T | 3-2508V | 3-2508 | 5/64” x 5/8” x 1” (2 mm x 16 mm x 25.4 mm) | 8 | Brown*
3-2509 | 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*
3-2510 | 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.

**UNIVERSAL CASSETTE WITHOUT MAT**

<table>
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<th>Size</th>
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<tbody>
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<td>6-1/2 x 6-1/4 x 1-3/16</td>
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<tr>
<td>4-083000</td>
<td>8 x 3-13/16 x 1-3/16</td>
</tr>
<tr>
<td>4-084000</td>
<td>8 x 4-7/8 x 1-3/16</td>
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<tr>
<td>4-085000</td>
<td>8 x 6 x 1-3/16</td>
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<tr>
<td>4-089100</td>
<td>8 x 9 x 1-3/16</td>
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<tr>
<td>4-008122</td>
<td>8 x 11 x 1-3/16</td>
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<tr>
<td>4-008115</td>
<td>8 x 11 x 2</td>
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<tr>
<td>4-009126</td>
<td>9-1/8 x 13 x 1-3/16</td>
</tr>
<tr>
<td>4-6815</td>
<td>15 x 8-1/4 x 1-3/16</td>
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**SLIMLINE SERIES WITHOUT MAT**

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<tr>
<td>3-072007</td>
<td>7 x 2-5/8 x 11/16*</td>
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<tr>
<td>3-082008</td>
<td>8 x 2-5/8 x 11/16*</td>
</tr>
<tr>
<td>STD5L27</td>
<td>7 x 2-5/8 x 1*</td>
</tr>
<tr>
<td>3-072014</td>
<td>7 x 4-5/8 x 11/16*</td>
</tr>
</tbody>
</table>

*Single-hinge design

**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.
4. Customized to fit perfectly into Miltex® Cassettes.

**MAT ONLY**

<table>
<thead>
<tr>
<th>REF</th>
<th>Size</th>
<th>Description</th>
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<tbody>
<tr>
<td>4-6835MAT</td>
<td>6-1/2 x 6-1/4</td>
<td>for Cassette 4-6835</td>
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<tr>
<td>4-083000MAT</td>
<td>8 x 3-13/16</td>
<td>for Cassette 4-083000</td>
</tr>
<tr>
<td>4-084000MAT</td>
<td>8 x 4-7/8</td>
<td>for Cassette 4-084000</td>
</tr>
<tr>
<td>4-085000MAT</td>
<td>8 x 6</td>
<td>for Cassette 4-085000</td>
</tr>
<tr>
<td>4-089100MAT</td>
<td>8 x 9</td>
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<tr>
<td>4-008122MAT</td>
<td>8 x 11</td>
<td>for Cassette 4-008122 &amp; 4-008115</td>
</tr>
<tr>
<td>4-009126MAT</td>
<td>9-1/8 x 13</td>
<td>for Cassette 4-009126</td>
</tr>
<tr>
<td>4-6815MAT</td>
<td>15 x 8-1/4</td>
<td>for Cassette 4-6815</td>
</tr>
</tbody>
</table>

www.miltex.com
MILTEX® Tray with Silicone Mat
3-200100  7” x 11” (17.8 x 27.9 cm), single layer

MILTEX® Tray with Silicone Mats
3-200200  7” x 11” (17.8 x 27.9 cm), double layer

MILTEX® Tray with Silicone Mat
3-200300  4” x 8” (10.2 x 20.3 cm), single layer
Small Plastic Tray with Silicone Mat
PM-9323*  2-3/4” x 1-3/4” x 3/4” (73 x 44 x 19 mm)

Microsurgical Plastic Tray with Silicone Mat
PM-9325*  10” x 5-3/4” x 3/4” (254 x 146 x 19 mm)

Microsurgical Plastic Tray with Silicone Mat
PM-9325*  11” x 7” x 3/4” (279 x 178 x 19 mm)
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   Lévernois 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    Sterne-Gills Scissors, angled
18-1863 14    Drews 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 (not illustrated)
18-2031 20    Alfonso Cutting Platform, 3 mm (not illustrated)
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
18-318 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 Collibri 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 Sutting 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 (not illustrated)
3-200200 39    Miltex® Double Tray with Silicone Mats (not illustrated)
**ECCE (Extra-Capsular Cataract Extraction) using PHACOEMULSIFICATION**

<table>
<thead>
<tr>
<th>REF</th>
<th>Key</th>
<th>Description</th>
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<tr>
<td>7-24</td>
<td>1</td>
<td>Hartman Mosquito Forceps, straight</td>
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<tr>
<td>7-501</td>
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<td>Jones Towel Clamp</td>
</tr>
<tr>
<td>4-401</td>
<td>3</td>
<td>Miniature Blade Handle, 3K type with locking chuck</td>
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<tr>
<td>18-1070</td>
<td>4</td>
<td>Buratto IOL Insertion Forceps</td>
</tr>
<tr>
<td>18-1073</td>
<td>5</td>
<td>Livernois IOL Folding Forceps, for soft IOL</td>
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<tr>
<td>18-1086</td>
<td>6</td>
<td>Kraff-Ultrata Capsulorhexis Forceps, sharp tips</td>
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<tr>
<td>18-123</td>
<td>7</td>
<td>Fine-Thornton Swivel Fixation Ring, blunt teeth, 13 mm</td>
</tr>
<tr>
<td>18-1489</td>
<td>8</td>
<td>Westcott Tenotomy Scissors, curved</td>
</tr>
<tr>
<td>18-1622</td>
<td>9</td>
<td>Vannas Scissors, very delicate sharp tips, curved</td>
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<td>10</td>
<td>Stern-Gills Scissors, angled</td>
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<td>18-1863</td>
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<td>Drews Needle Holder, curved, extra delicate, with lock</td>
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<td>18-2102</td>
<td>12</td>
<td>Bishop-Harmon Irrigator, 19 gauge cannula with bulb</td>
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<td>18-2008</td>
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<td>Jaffe-Becher Nucleus Rotator, blunt forked tip</td>
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<td>18-2014</td>
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<td>Rosen Phaco Splitter</td>
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<tr>
<td>18-2016</td>
<td>15</td>
<td>Dodick Nucleus Cracker, paddle shaped jaws</td>
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<tr>
<td>18-2026</td>
<td>16</td>
<td>Lester IOL Manipulator, angled</td>
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<td>18-314</td>
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<td>Von Graefe (Becker) Cystotome</td>
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<td>18-468</td>
<td>18</td>
<td>Kuglen Iris Hook &amp; Lens Manipulator, angled</td>
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<tr>
<td>18-39</td>
<td>19</td>
<td>Lieberman Eye Speculum, Krtaz-style open wire blades</td>
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<td>18-44</td>
<td>20</td>
<td>Temporal Approach Speculum, open wire blades</td>
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<tr>
<td>18-650</td>
<td>21</td>
<td>Castroviejo Caliper</td>
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<tr>
<td>18-880</td>
<td>22</td>
<td>Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm</td>
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<td>18-923</td>
<td>23</td>
<td>Tennant Tying Forceps, straight</td>
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<td>18-924</td>
<td>24</td>
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<td>18-931</td>
<td>25</td>
<td>Kelman-McPherson Forceps, smooth jaws, angled</td>
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<tr>
<td>18-953</td>
<td>26</td>
<td>Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm</td>
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<tr>
<td>PM-9425</td>
<td>27</td>
<td>Bipolar Jeweler Forceps, curved, 0.5 mm</td>
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<tr>
<td>PM-9450D</td>
<td>28</td>
<td>Disposable Bipolar Cord, 12 feet, sterile, 10/box</td>
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<tr>
<td>18-2154</td>
<td>29</td>
<td>Air Injection Cannula, 27 gauge angled (not illustrated)</td>
</tr>
<tr>
<td>3-200200</td>
<td>30</td>
<td>Miltex Double Tray with Silicone Mats (not illustrated)</td>
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INSTRUMENT SETS

MANUAL PHACOFRACTURE CATARACT EXTRACTION SET

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<thead>
<tr>
<th>REF</th>
<th>Key</th>
<th>Description</th>
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<tr>
<td>18-39</td>
<td>1</td>
<td>Lieberman Eye Speculum, Kratz-style open wire blades</td>
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<td>5-304</td>
<td>2</td>
<td>Iris Scissors, straight</td>
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<tr>
<td>18-1489</td>
<td>3</td>
<td>Westcott Tenotomy Scissors, curved</td>
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<td>18-953</td>
<td>4</td>
<td>Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm</td>
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<tr>
<td>4-401</td>
<td>5</td>
<td>Miniature Blade Handle, 3K type with locking chuck</td>
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<td>18-650</td>
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<td>Castroviejo Caliper</td>
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<td>Kuglen Iris Hook &amp; Lens Manipulator, angled</td>
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<td>9</td>
<td>Kansas Nucleus Bisector</td>
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<td>Alfonso Nucleus Trisector, 1.5 mm</td>
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<td>19</td>
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<td>Alfonso Cutting Platform, 3 mm (not illustrated)</td>
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<td>Kansas Nucleus Vectis, 3 mm</td>
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<td>Bipolar Jeweler Forceps, straight, 0.5 mm</td>
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<td>Dodick IOL Folding Forceps, for soft IOL</td>
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<td>Air Injection Cannula, 27 gauge (not illustrated)</td>
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<td>18</td>
<td>Miltex® Double Tray with Silicone Mats (not illustrated)</td>
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<tr>
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<td>Key</td>
<td>Description</td>
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<td>7-501</td>
<td>1</td>
<td>Jones Towel Clamp</td>
</tr>
<tr>
<td>18-2162</td>
<td>2</td>
<td>Bishop-Harmon Irrigator, 19 gauge cannula with bulb</td>
</tr>
<tr>
<td>7-24</td>
<td>3</td>
<td>Hartman Mosquito Forceps, straight</td>
</tr>
<tr>
<td>18-66</td>
<td>4</td>
<td>Mellinger Eye Speculum, solid blades</td>
</tr>
<tr>
<td>18-35</td>
<td>5</td>
<td>Barraquer Wire Speculum, large</td>
</tr>
<tr>
<td>5-304</td>
<td>6</td>
<td>Iris Scissors, Straight</td>
</tr>
<tr>
<td>18-1489</td>
<td>7</td>
<td>Westcott Tenotomy Scissors, curved</td>
</tr>
<tr>
<td>18-1521</td>
<td>8</td>
<td>Barraquer Iris Scissors, angled</td>
</tr>
<tr>
<td>18-1635</td>
<td>9</td>
<td>Miltex-Vannas Scissors, curved</td>
</tr>
<tr>
<td>18-1485</td>
<td>10</td>
<td>McPherson-Westcott Stitch Scissors, curved</td>
</tr>
<tr>
<td>18-1112</td>
<td>11</td>
<td>Bennett Cilia Forceps (Qty 2)</td>
</tr>
<tr>
<td>18-880</td>
<td>12</td>
<td>Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm</td>
</tr>
<tr>
<td>18-868</td>
<td>13</td>
<td>Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm</td>
</tr>
<tr>
<td>18-650</td>
<td>14</td>
<td>Castroviejo Caliper</td>
</tr>
<tr>
<td>4-401</td>
<td>15</td>
<td>Miniature Blade Handle, 3K type with locking chuck</td>
</tr>
<tr>
<td>18-1838</td>
<td>16</td>
<td>Barraquer Needle Holder, curved, without lock</td>
</tr>
<tr>
<td>18-2154</td>
<td>17</td>
<td>Air Injection Cannula, 27 gauge angled <em>(not illustrated)</em></td>
</tr>
<tr>
<td>3-200200</td>
<td>18</td>
<td>Miltex® Double Tray with Silicone Mats <em>(not illustrated)</em></td>
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CORNEAL TRANSPLANT SURGERY SET

<table>
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<tr>
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<th>Key</th>
<th>Description</th>
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<tbody>
<tr>
<td>18-2162</td>
<td>1</td>
<td>Bishop-Harmon Irrigator, 19 gauge cannula with bulb</td>
</tr>
<tr>
<td>7-501</td>
<td>2</td>
<td>Jones Towel Clamp</td>
</tr>
<tr>
<td>18-35</td>
<td>3</td>
<td>Barraquer Wire Speculum, large</td>
</tr>
<tr>
<td>18-38</td>
<td>4</td>
<td>Lieberman Eye Speculum, solid blade, large</td>
</tr>
<tr>
<td>7-24</td>
<td>5</td>
<td>Hartman Mosquito Forceps, straight (Qty 2)</td>
</tr>
<tr>
<td>7-304</td>
<td>6</td>
<td>Dieffenbach Serrefine, 1-1/2&quot;, straight (Qty 2)</td>
</tr>
<tr>
<td>18-1590</td>
<td>7</td>
<td>Troutman-Katzin Corneal Transplant Scissors, right</td>
</tr>
<tr>
<td>18-1589</td>
<td>8</td>
<td>Troutman-Katzin Corneal Transplant Scissors, left</td>
</tr>
<tr>
<td>18-1489</td>
<td>9</td>
<td>Westcott Tenotomy Scissors, curved</td>
</tr>
<tr>
<td>18-1335</td>
<td>10</td>
<td>Jaffe Stitch Scissors, curved</td>
</tr>
<tr>
<td>18-880</td>
<td>11</td>
<td>Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm</td>
</tr>
<tr>
<td>18-953</td>
<td>12</td>
<td>Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm</td>
</tr>
<tr>
<td>18-951</td>
<td>13</td>
<td>Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm</td>
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<tr>
<td>18-928</td>
<td>14</td>
<td>Harms Colibri Forceps, 1 x 2 Teeth, 0.12 mm</td>
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<td>18-923</td>
<td>15</td>
<td>Tennant Tying Forceps, straight</td>
</tr>
<tr>
<td>18-924</td>
<td>16</td>
<td>Tennant Tying Forceps, curved</td>
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<tr>
<td>18-1833</td>
<td>17</td>
<td>Castroviejo Needle Holder, curved, extra delicate, with lock</td>
</tr>
<tr>
<td>18-2152</td>
<td>18</td>
<td>Air Injection Cannula, 30 gauge (not illustrated)</td>
</tr>
<tr>
<td>3-200200</td>
<td>19</td>
<td>Miltex® Double Tray with Silicone Mats (not illustrated)</td>
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# LASIK SURGERY SET

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<th>Key</th>
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<tbody>
<tr>
<td>18-39</td>
<td>1</td>
<td>Lieberman Eye Speculum, Kratz-style open wire blades</td>
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<tr>
<td>18-2028</td>
<td>2</td>
<td>Kritzinger-Updegraff LASIK Flap Elevator &amp; Manipulator</td>
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<tr>
<td>18-593</td>
<td>3</td>
<td>Slade LASIK Retreatment Spatula, smooth</td>
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<tr>
<td>18-594</td>
<td>4</td>
<td>Slade LASIK Retreatment Spatula, serrated</td>
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<td>18-597</td>
<td>5</td>
<td>Machat LASIK Retreatment Spatula</td>
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<tr>
<td>18-592</td>
<td>6</td>
<td>Herzig Elevator &amp; Retreatment Spatula</td>
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<tr>
<td>18-123</td>
<td>7</td>
<td>Fine-Thornton Swivel Fixation Ring, blunt teeth, 13 mm</td>
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<tr>
<td>18-1091</td>
<td>8</td>
<td>Buratto LASIK Flap Forceps</td>
</tr>
<tr>
<td>3-200100</td>
<td>9</td>
<td>Miltex® Single Tray with Silicone Mat (not illustrated)</td>
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## LID SURGERY SET

<table>
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<th>Description</th>
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<tbody>
<tr>
<td>18-2162</td>
<td>1</td>
<td>Bishop-Harmon Irrigator, 19 gauge cannula with bulb</td>
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<tr>
<td>7-8</td>
<td>2</td>
<td>Halsted Mosquito Forceps, straight</td>
</tr>
<tr>
<td>7-10</td>
<td>3</td>
<td>Halsted Mosquito Forceps, curved (Qty 2)</td>
</tr>
<tr>
<td>7-501</td>
<td>4</td>
<td>Jones Towel Clamp</td>
</tr>
<tr>
<td>18-1472</td>
<td>5</td>
<td>Stevens Tenotomy Scissors, straight</td>
</tr>
<tr>
<td>5-304</td>
<td>6</td>
<td>Iris Scissors, Straight</td>
</tr>
<tr>
<td>4-401</td>
<td>7</td>
<td>Miniature Blade Handle, 3K type with locking chuck</td>
</tr>
<tr>
<td>18-1489</td>
<td>8</td>
<td>Westcott Tenotomy Scissors, curved</td>
</tr>
<tr>
<td>18-1486</td>
<td>9</td>
<td>Westcott Stitch Scissors, curved</td>
</tr>
<tr>
<td>18-1138</td>
<td>10</td>
<td>Berke Ptosis Forceps, 27 mm</td>
</tr>
<tr>
<td>18-1838</td>
<td>11</td>
<td>Barraquer Needle Holder, curved, without lock</td>
</tr>
<tr>
<td>18-120</td>
<td>12</td>
<td>Jaeger Lid Plate</td>
</tr>
<tr>
<td>18-1824</td>
<td>13</td>
<td>Castroviejo Needle Holder, curved, without lock</td>
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<tr>
<td>18-650</td>
<td>14</td>
<td>Castroviejo Caliper</td>
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<tr>
<td>18-112</td>
<td>15</td>
<td>Desmarres Lid Retractor, 14 mm</td>
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<td>18-114</td>
<td>16</td>
<td>Desmarres Lid Retractor, 16 mm</td>
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<tr>
<td>18-116</td>
<td>17</td>
<td>Desmarres Lid Retractor, 18 mm</td>
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<tr>
<td>18-452</td>
<td>18</td>
<td>Von Graefe Strabismus Hook, medium</td>
</tr>
<tr>
<td>18-416</td>
<td>19</td>
<td>Guthrie Fixation Hook</td>
</tr>
<tr>
<td>18-971</td>
<td>20</td>
<td>Bonnaccolto Forceps, longitudinal &amp; cross serrated tips, 1.2 mm</td>
</tr>
<tr>
<td>18-868</td>
<td>21</td>
<td>Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm</td>
</tr>
<tr>
<td>18-951</td>
<td>22</td>
<td>Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm</td>
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<tr>
<td>18-948</td>
<td>23</td>
<td>McPherson Suture Forceps, 0.3 x 5 mm, no teeth</td>
</tr>
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<td>18-1150</td>
<td>24</td>
<td>Erhardt Lid Forceps</td>
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<td>PM-5012</td>
<td>25</td>
<td>Laser Eye Shield, set of 2 with suction handle</td>
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<tr>
<td>PM-9425</td>
<td>26</td>
<td>Bipolar Jeweler Forceps, curved, 0.5 mm</td>
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<tr>
<td>PM-9450D</td>
<td>27</td>
<td>Disposable Bipolar Cord, 12 feet, sterile, 10/box</td>
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<tr>
<td>18-100</td>
<td>28</td>
<td>Knapp-Rollet Retractor, 4-sharp prongs</td>
</tr>
<tr>
<td>3-200200</td>
<td>29</td>
<td>Miltex® Double Tray with Silicone Mat (not illustrated)</td>
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# CHALAZION SURGERY SET

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<thead>
<tr>
<th>REF</th>
<th>Key</th>
<th>Description</th>
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<tbody>
<tr>
<td>18-120</td>
<td>1</td>
<td>Jaeger Lid Plate</td>
</tr>
<tr>
<td>18-500</td>
<td>2</td>
<td>Meyerhoefer Chalazion Curette, size 1</td>
</tr>
<tr>
<td>18-502</td>
<td>3</td>
<td>Meyerhoefer Chalazion Curette, size 2</td>
</tr>
<tr>
<td>18-504</td>
<td>4</td>
<td>Meyerhoefer Chalazion Curette, size 3</td>
</tr>
<tr>
<td>18-506</td>
<td>5</td>
<td>Meyerhoefer Chalazion Curette, size 4</td>
</tr>
<tr>
<td>5-304</td>
<td>6</td>
<td>Iris Scissors, straight</td>
</tr>
<tr>
<td>18-975</td>
<td>7</td>
<td>Manhattan Eye &amp; Ear Suture Forceps</td>
</tr>
<tr>
<td>18-1178</td>
<td>8</td>
<td>Hunt Chalazion Forceps</td>
</tr>
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<td>18-1208</td>
<td>9</td>
<td>Francis Chalazion Forceps</td>
</tr>
<tr>
<td>18-1833</td>
<td>10</td>
<td>Castroviejo Needle Holder, curved, extra delicate, with lock</td>
</tr>
<tr>
<td>4-401</td>
<td>11</td>
<td>Miniature Blade Handle, 3K type with locking chuck</td>
</tr>
<tr>
<td>3-200100</td>
<td>12</td>
<td>Miltex® Single Tray with Silicone Mat <em>(not illustrated)</em></td>
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</tbody>
</table>
# 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 Irrigating, 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 (not illustrated)
### LACRIMAL SURGERY SET

<table>
<thead>
<tr>
<th>REF</th>
<th>Key</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>18-2162</td>
<td>1</td>
<td>Bishop-Harmon Irrigator, 19 gauge cannula w/bulb</td>
</tr>
<tr>
<td>7-504</td>
<td>2</td>
<td>Backhaus Towel Clamp</td>
</tr>
<tr>
<td>7-8</td>
<td>3</td>
<td>Halsted Mosquito Forceps, straight (Qty 2)</td>
</tr>
<tr>
<td>7-10</td>
<td>4</td>
<td>Halsted Mosquito Forceps, curved (Qty 2)</td>
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<td>18-1990</td>
<td>5</td>
<td>Kerrison Ronguer, size 0, 3.5 mm</td>
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<td>20-2</td>
<td>6</td>
<td>Vienna Nasal Speculum, large</td>
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<tr>
<td>19-844</td>
<td>7</td>
<td>Beyer Ronguer, curved</td>
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<td>19-790</td>
<td>8</td>
<td>Gerzog Mallet, lead filled stainless</td>
</tr>
<tr>
<td>4-401</td>
<td>9</td>
<td>Miniature Blade Handle, 3K type with locking chuck</td>
</tr>
<tr>
<td>18-96</td>
<td>10</td>
<td>Stevenson Lacrimal Retractor</td>
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<tr>
<td>18-691</td>
<td>11</td>
<td>Castroviejo Lacrimal Dilator</td>
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<tr>
<td>18-1968</td>
<td>12</td>
<td>Freer Periosteal Elevator</td>
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<td>18-1962</td>
<td>13</td>
<td>West Lacrimal Chisel, straight</td>
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<tr>
<td>18-1960</td>
<td>14</td>
<td>Freer Lacrimal Chisel, curved</td>
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<td>PM-4739HL</td>
<td>15</td>
<td>Worst Pigtail Probe with suture holes</td>
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<td>18-740</td>
<td>16</td>
<td>Bowman Lacrimal Probe, size 0000-000</td>
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<td>18-742</td>
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<td>Bowman Lacrimal Probe, size 0-0</td>
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<td>18-744</td>
<td>18</td>
<td>Bowman Lacrimal Probe, size 1-2</td>
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<td>Bowman Lacrimal Probe, size 3-4</td>
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<td>Bowman Lacrimal Probe, size 5-6</td>
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</tr>
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<td>22</td>
<td>Eye Dressing Forceps, straight, 0.8 mm</td>
</tr>
<tr>
<td>18-974</td>
<td>23</td>
<td>Sauer Fixation Forceps, 1 x 2 teeth</td>
</tr>
<tr>
<td>18-971</td>
<td>24</td>
<td>Bonnacolto Forceps, longitudinal &amp; cross serrated tips, 1.2 mm</td>
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<tr>
<td>18-951</td>
<td>25</td>
<td>Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm</td>
</tr>
<tr>
<td>18-102</td>
<td>26</td>
<td>Knapp Retractor, 4-blunt prongs</td>
</tr>
<tr>
<td>18-1476</td>
<td>27</td>
<td>Stevens Tenotomy Scissors, curved</td>
</tr>
<tr>
<td>5-304</td>
<td>28</td>
<td>Iris Scissors, straight</td>
</tr>
<tr>
<td>18-1833</td>
<td>29</td>
<td>Castroviejo Needle Holder, curved, extra delicate, w/ lock</td>
</tr>
<tr>
<td>18-1486</td>
<td>30</td>
<td>Westcott Stitch Scissors, curved</td>
</tr>
<tr>
<td>3-200200</td>
<td>31</td>
<td>Miltex® Double Tray w/Silicone Mats (not illustrated)</td>
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## VITREORETINAL SURGERY SET

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<td>18-12</td>
<td>1</td>
<td>Castroviejo Eye Speculum, medium</td>
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<td>Dieffenbach Serrefine, straight (Qty 4)</td>
</tr>
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<td>3</td>
<td>Halsted Mosquito Forceps, straight</td>
</tr>
<tr>
<td>5-304</td>
<td>4</td>
<td>Iris Scissors, Straight</td>
</tr>
<tr>
<td>18-2162</td>
<td>5</td>
<td>Bishop-Harmon Irrigator, 19 gauge cannula with bulb</td>
</tr>
<tr>
<td>18-1472</td>
<td>6</td>
<td>Stevens Tenotomy Scissors, straight</td>
</tr>
<tr>
<td>18-1476</td>
<td>7</td>
<td>Stevens Tenotomy Scissors, curved</td>
</tr>
<tr>
<td>18-1489</td>
<td>8</td>
<td>Westcott Tenotomy Scissors, curved</td>
</tr>
<tr>
<td>18-1486</td>
<td>9</td>
<td>Westcott Stitch Scissors, curved</td>
</tr>
<tr>
<td>4-401</td>
<td>10</td>
<td>Miniature Blade Handle, 3K type with locking chuck</td>
</tr>
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<td>18-250</td>
<td>11</td>
<td>Schepens Orbital Retractor</td>
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<td>18-452</td>
<td>12</td>
<td>Von Graefe Strabismus Hook, medium</td>
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<td>18-2127</td>
<td>13</td>
<td>Retinal Detachment Hook (not illustrated)</td>
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<td>18-2181</td>
<td>14</td>
<td>Schocket Scleral Depressor (not illustrated)</td>
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<table>
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<th>Key</th>
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<td>17</td>
<td>Bonnaccolto Forceps, longitudinal &amp; cross serrated tips, 1.2 mm</td>
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<td>18-958</td>
<td>18</td>
<td>Nugent Utility Forceps, serrated</td>
</tr>
<tr>
<td>18-953</td>
<td>19</td>
<td>Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm</td>
</tr>
<tr>
<td>18-951</td>
<td>20</td>
<td>Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm</td>
</tr>
<tr>
<td>18-868</td>
<td>21</td>
<td>Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm (Qty 2)</td>
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<tr>
<td>18-1833</td>
<td>22</td>
<td>Castroviejo Needle Holder, curved, extra delicate, with lock</td>
</tr>
<tr>
<td>18-1831</td>
<td>23</td>
<td>Castroviejo Needle Holder, straight, extra delicate, with lock</td>
</tr>
<tr>
<td>18-922</td>
<td>24</td>
<td>McPherson Tying Forceps, straight</td>
</tr>
<tr>
<td>18-574</td>
<td>25</td>
<td>Castroviejo Cyclodialysis Spatula, 0.5 mm</td>
</tr>
<tr>
<td>PM-3450D</td>
<td>26</td>
<td>Disposable Bipolar Cord, 12 feet, sterile, 10/box</td>
</tr>
<tr>
<td>PM-3425</td>
<td>27</td>
<td>Bipolar Jeweler Forceps, curved, 0.5 mm</td>
</tr>
<tr>
<td>18-2153</td>
<td>28</td>
<td>Viscoelastic Aspirating Cannula, 22 gauge angled (not illustrated)</td>
</tr>
<tr>
<td>3-200200</td>
<td>29</td>
<td>Miltex® Double Tray with Silicone Mats (not illustrated)</td>
</tr>
</tbody>
</table>
# INSTRUMENT SETS

## ENUCLEATION SURGERY SET

<table>
<thead>
<tr>
<th>REF</th>
<th>Key</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-2</td>
<td>1</td>
<td>Lancaster Eye Speculum</td>
</tr>
<tr>
<td>18-550</td>
<td>2</td>
<td>Wells Enucleation Scoop</td>
</tr>
<tr>
<td>18-452</td>
<td>3</td>
<td>Von Graefe Strabismus Hook, medium</td>
</tr>
<tr>
<td>18-1472</td>
<td>4</td>
<td>Stevens Tenotomy Scissors, straight</td>
</tr>
<tr>
<td>18-1488</td>
<td>5</td>
<td>Enucleation Scissors, strong curve</td>
</tr>
<tr>
<td>18-786</td>
<td>6</td>
<td>Iris Tissue Forceps, straight, 0.8 mm</td>
</tr>
<tr>
<td>7-10</td>
<td>7</td>
<td>Halsted Mosquito Forceps, curved</td>
</tr>
<tr>
<td>3-200100</td>
<td>8</td>
<td>Miltex® Single Tray with Silicone Mats (not illustrated)</td>
</tr>
<tr>
<td>REF</td>
<td>Key</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>18-35</td>
<td>1</td>
<td>Barraquer Wire Speculum, large</td>
</tr>
<tr>
<td>18-36</td>
<td>2</td>
<td>Barraquer Wire Speculum, small</td>
</tr>
<tr>
<td>18-928</td>
<td>3</td>
<td>Harms Colibri Forceps, 1 x 2 teeth, 0.12 mm</td>
</tr>
<tr>
<td>18-881</td>
<td>4</td>
<td>Pierse Colibri Forceps, 1 x 1 teeth, 0.3 mm</td>
</tr>
<tr>
<td>18-827</td>
<td>5</td>
<td>Troutman-Barraquer Colibri Forceps, 1 x 2 teeth, 0.4 mm</td>
</tr>
<tr>
<td>18-1579</td>
<td>6</td>
<td>Castroviejo Corneoscleral Scissors, right</td>
</tr>
<tr>
<td>18-1580</td>
<td>7</td>
<td>Castroviejo Corneoscleral Scissors, left</td>
</tr>
<tr>
<td>18-1489</td>
<td>8</td>
<td>Westcott Tenotomy Scissors, curved</td>
</tr>
<tr>
<td>18-1098</td>
<td>9</td>
<td>Kraff-Utrata Capsulorhexis Forceps, sharp tips</td>
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<tr>
<td>18-868</td>
<td>10</td>
<td>Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm</td>
</tr>
<tr>
<td>18-779</td>
<td>11</td>
<td>Iris Dressing Forceps, straight, 0.5 mm</td>
</tr>
<tr>
<td>18-785</td>
<td>12</td>
<td>Iris Tissue Forceps, straight, 0.5 mm</td>
</tr>
<tr>
<td>18-2019</td>
<td>13</td>
<td>Nagahara Phaco Chopper</td>
</tr>
<tr>
<td>18-2017</td>
<td>14</td>
<td>Chang Duo Quick Chopper, left</td>
</tr>
<tr>
<td>17-2500</td>
<td>15</td>
<td>Micro Adson Tissue Forceps, 1 x 2 teeth, 0.5 mm</td>
</tr>
</tbody>
</table>

**KEY**

- **1**: Barraquer Wire Speculum, large
- **2**: Barraquer Wire Speculum, small
- **3**: Harms Colibri Forceps, 1 x 2 teeth, 0.12 mm
- **4**: Pierse Colibri Forceps, 1 x 1 teeth, 0.3 mm
- **5**: Troutman-Barraquer Colibri Forceps, 1 x 2 teeth, 0.4 mm
- **6**: Castroviejo Corneoscleral Scissors, right
- **7**: Castroviejo Corneoscleral Scissors, left
- **8**: Westcott Tenotomy Scissors, curved
- **9**: Kraff-Utrata Capsulorhexis Forceps, sharp tips
- **10**: Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm
- **11**: Iris Dressing Forceps, straight, 0.5 mm
- **12**: Iris Tissue Forceps, straight, 0.5 mm
- **13**: Nagahara Phaco Chopper
- **14**: Chang Duo Quick Chopper, left
- **15**: Micro Adson Tissue Forceps, 1 x 2 teeth, 0.5 mm
- **16**: Castroviejo Needle Holder, curved, extra delicate, w/lock
- **17**: Castroviejo Needle Holder, curved, with lock
- **18**: Sinskey II Lens Manipulating Hook, angled
- **19**: Jaffe-Bechert Nucleus Rotator, blunt forked tip
- **20**: Miniature Blade Handle, 3K type with locking chuck
- **21**: Knife Handle, No. 9
- **22**: Jones Towel Clamp
- **23**: Halsted Mosquito Forceps, straight (Qty 2)
- **24**: Halsted Mosquito Forceps, curved
- **25**: Metzenbaum Scissors, curved
- **26**: Hartman Mosquito Forceps, straight
- **27**: Iris Scissors, straight
- **28**: Bishop-Harmon Irrigator, 19 gauge cannula, with bulb
- **3**: Miltex® Double Tray with Silicone Mats (not illustrated)
Cannulae & Depressor
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

**AIR INJECTION Cannula, Luer Lock**
18-2152  30 gauge angled at 6 mm
18-2154  27 gauge angled at 6 mm

**VISCOELASTIC Aspirating Cannula, Luer Lock**
18-2153  22 gauge angled at 10 mm
18-2155  19 gauge angled at 10 mm
18-2153 (not shown)

**GASS Retinal Detachment Hook**
18-2127  5-3/4” (14.6 cm), with oval hole

**SCHOCKET Scleral Depressor**
double ended, with pocket clip
18-2181  5-1/4” (13.3 cm)
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. Resharpening 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.
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

<table>
<thead>
<tr>
<th>Temperature</th>
<th>121-134° C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure</td>
<td>30 PSI</td>
</tr>
<tr>
<td>Cycle Time</td>
<td>Approximately 30 minutes; must maintain noted temperature &amp; pressure level for 15 minutes</td>
</tr>
<tr>
<td>Sterilant</td>
<td>Steam</td>
</tr>
<tr>
<td>Sterilization Range</td>
<td>Stainless steel, glassware, Selected rigid materials</td>
</tr>
</tbody>
</table>

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 foam 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.

<table>
<thead>
<tr>
<th>REF</th>
<th>Description</th>
<th>Use During</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-760</td>
<td>Instrument Prep Enzyme Foam 24 oz. spray</td>
<td>• Holding &amp; presoak</td>
</tr>
<tr>
<td>3-750</td>
<td>EZ-Zyme®, All Purpose Enzyme Cleaner Box 32 - 3/4 oz. packets</td>
<td>• Holding &amp; presoak</td>
</tr>
<tr>
<td>3-755</td>
<td>EZ-Zyme®, All Purpose Enzyme Cleaner 1-gallon pump bottle</td>
<td>• Soak cleaning</td>
</tr>
<tr>
<td>3-700</td>
<td>Spray Lube 8 oz. spray bottle</td>
<td></td>
</tr>
<tr>
<td>3-705</td>
<td>Surgical Instrument Lubricant 1-gallon pump bottle</td>
<td>• Before autoclaving</td>
</tr>
<tr>
<td>3-710</td>
<td>Surgical Instrument Cleaner &amp; Lubricant 1-gallon pump bottle</td>
<td>• Manual cleaning</td>
</tr>
<tr>
<td>3-720</td>
<td>Surgical Instrument Cleaner 8 oz. spray bottle</td>
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</tr>
<tr>
<td>3-725</td>
<td>Surgical Instrument Cleaner 1-gallon pump bottle</td>
<td>• Soak cleaning</td>
</tr>
<tr>
<td>3-726</td>
<td>Surgical Instrument Cleaner Box 80 - 1/4 oz. packets</td>
<td></td>
</tr>
<tr>
<td>3-740</td>
<td>Surgical Instrument Stain Remover 3 oz. jar</td>
<td>• Stain removal</td>
</tr>
<tr>
<td>3-1000</td>
<td>Nylon Instrument Cleaning Brushes 3-pack</td>
<td>• Manual cleaning of instruments</td>
</tr>
<tr>
<td>3-1001</td>
<td>Stainless Steel Instrument Cleaning Brushes 3-pack</td>
<td></td>
</tr>
<tr>
<td>3-800</td>
<td>Instrument Care System</td>
<td>• Complete instrument care</td>
</tr>
<tr>
<td>3-810</td>
<td>Instrument Care DVD</td>
<td>• Training personnel in the care of instruments</td>
</tr>
</tbody>
</table>
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.

---

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.
A

Acrylic IOL Implantation Forceps .......... 45
ADAMSON Hook & Retractor ............... 12
Adhesive Strips .............................. 139
ADSON Dissecting Forceps ................. 70
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