Miltex®

Redefining Excellence

OPHTHALMIC INSTRUMENTS

Miltex®
Redefining Excellence
INTEGRA™

MILTEX® OPHTHALMIC INSTRUMENTS

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

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

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

General Information:

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

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

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

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

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TABLE OF CONTENTS

Specula 1-6

Retractors 7-12

Self Retaining 8

Retractors - Finger Held 9-12

Knives 13-16

Foreign Body Instruments 16-19

Curettes 20-21

Spatulas 22-25

Nucleus Instruments/
IOL Manipulators 26-32

Hooks (IOL Manipulating,
Iris and other) 33-38

Fixation Rings 39

Loops & Spoons 40-41

Forceps 42-75

Hemostats & Clamps 76-81

Scissors 82-112

Needle Holders 113-120

Lacrimal Instruments 121-128

Dilators/ Probes 122-124

Rongeurs 124-125

Chisels 126

Elevators 126

Trephine 127

Nasal Specula 127-128

Mallets 128

Calipers 129-131

Blades, Scalpels & Accessories 132-134

Knife Handles 133

Care & Cleaning 135-142

Cassettes & Trays 140-142

Suggested Sets 143-156

Cannulae & Depressor 157-158

Reference, Warranty & Repair 159-166

Index 167-174

Specula

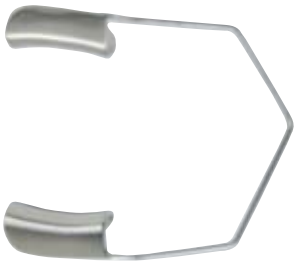
BARRAQUER Wire Speculum
18-35 1-3/4" (4.4 cm), large blades 14 mm
18-36 1-1/4" (3.2 cm), small blades 10 mm

18-35

18-36

BARRAQUER Wire Speculum, Solid Blades
18-17 1-1/3" (3.3 cm), small blades 10 mm
18-18 1-1/2"(3.8 cm), large blades 15 mm

18-17



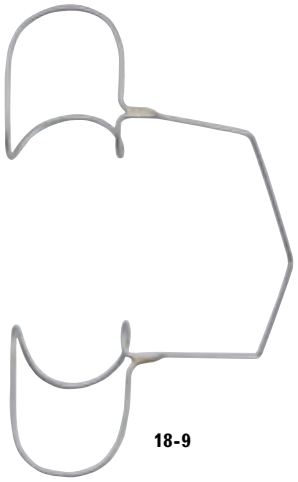
18-18

KRATZ-BARRAQUER Wire Speculum
One solid and one open wire 15 mm blades
18-7 1-1/2" (3.8 cm), for left eye
18-8 1-1/2" (3.8 cm), for right eye

18-7

18-8

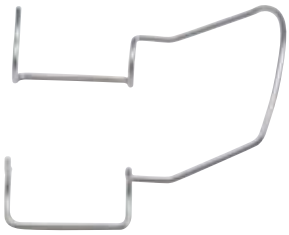
KRATZ-BARRAQUER Wire Speculum, with Wings
Designed to retract lids up and away from the globe
to help minimize external pressure.
18-9 1-1/2" (3.8 cm), 15 mm blades



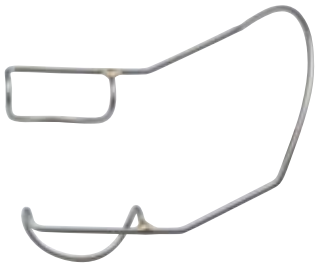
18-9

NOTE: All above instruments are Non-Magnetic

Temporal Approach Wire Speculum
with spring on nasal side
18-44 1-1/2" (3.8 cm), open wire, 15 mm blades
18-45 1-1/2" (3.8 cm), closed wire, 15 mm blades
18-46 1-1/2" (3.8 cm), solid blades, 15 mm blades



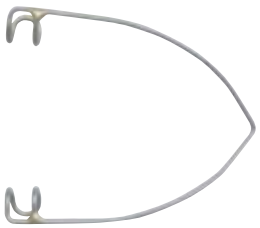
18-44



18-45

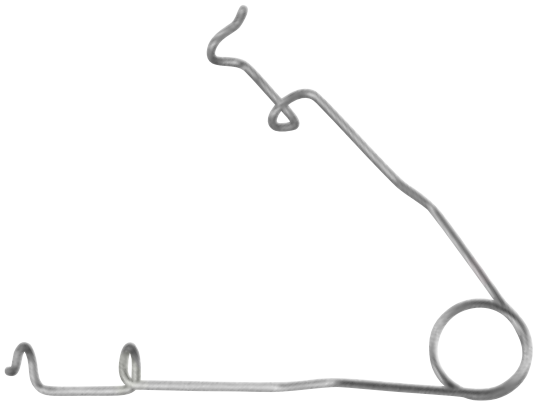
18-46

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



18-595

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



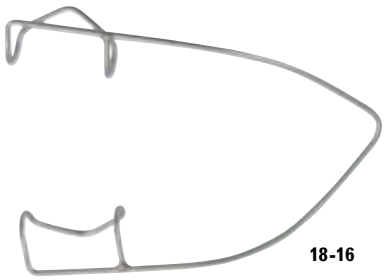
18-34

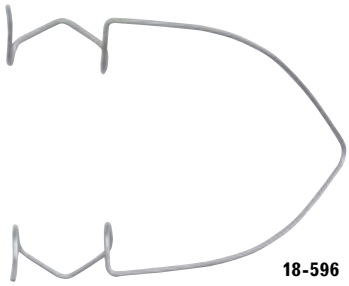
FEASTER Wire Speculum, Extra Large Solid Blades
18-40 1-1/2" (3.8 cm), 20 mm blades

18-40

NOTE: All above instruments are Non-Magnetic

McINTYRE Wire Speculum, V-Shaped Blades
Blade shape helps to position and hold surgical drape under the eyelids.
18-16 2" (5.1 cm), closed wire, 13 mm blades
18-596 2" (5.1 cm), open wire, 13 mm blades


18-16


18-596

SAUER Eye Speculum, Solid Blades
18-47 1-1/4" (3.2 cm), for infants, 10 mm blades
18-3 1" (2.5 cm), for premature infants, 2 mm blades

18-47

18-3

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

18-50

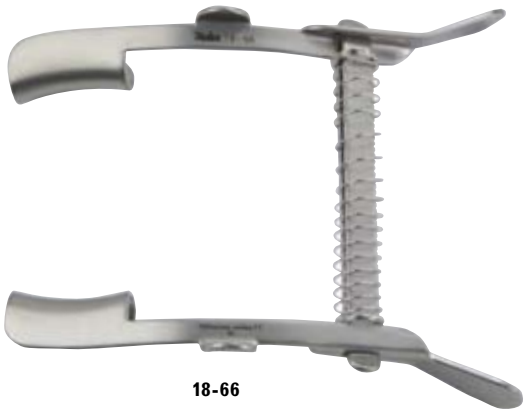
COOK Eye Speculum, Solid Blades
with bottom locking screw
18-63 1-7/8" (4.7 cm), infant size, 9 mm blades
18-64 1-7/8" (4.7 cm), child size, 11 mm blades

18-63

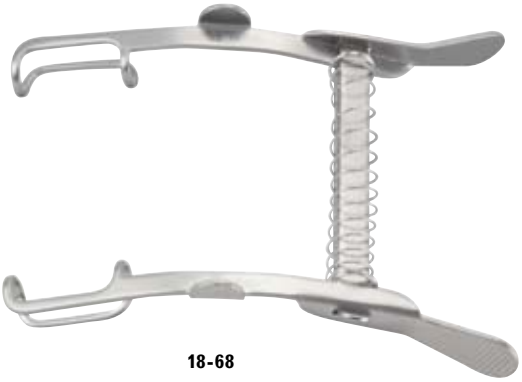
18-64

NOTE: All above instruments are Non-Magnetic

MELLINGER Eye Speculum, Self Retaining
for optimized access with Phaco or I/A tip to the cataract incision.
18-66 2-3/4" (7 cm), solid 15 mm blades
18-68 2-3/4" (7 cm), fenestrated 15 mm blades

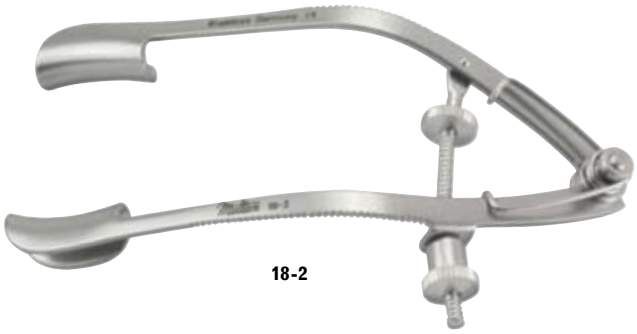


18-66



18-68

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

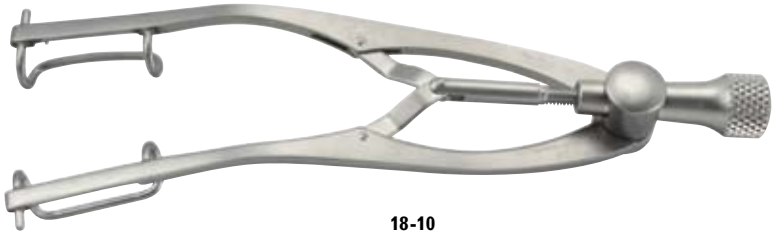


18-2

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

18-4

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



18-10

NOTE: All above instruments are Non-Magnetic

CASTROVIEJO Eye Speculum
with adjustable locking mechanism
18-12 3-3/4" (9.5 cm), medium, 15 x 5 mm blades

18-12

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

18-22

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

18-24

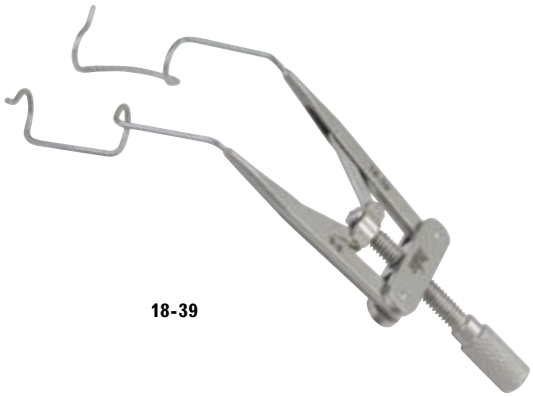
LIEBERMAN Eye Speculum, Solid Blades
with adjustable locking mechanism
18-37 2-3/4" (7 cm), pediatric, infant & small children, 10 mm blades
18-38 2-3/4" (7 cm), standard size, 15 mm blades

18-37

18-38

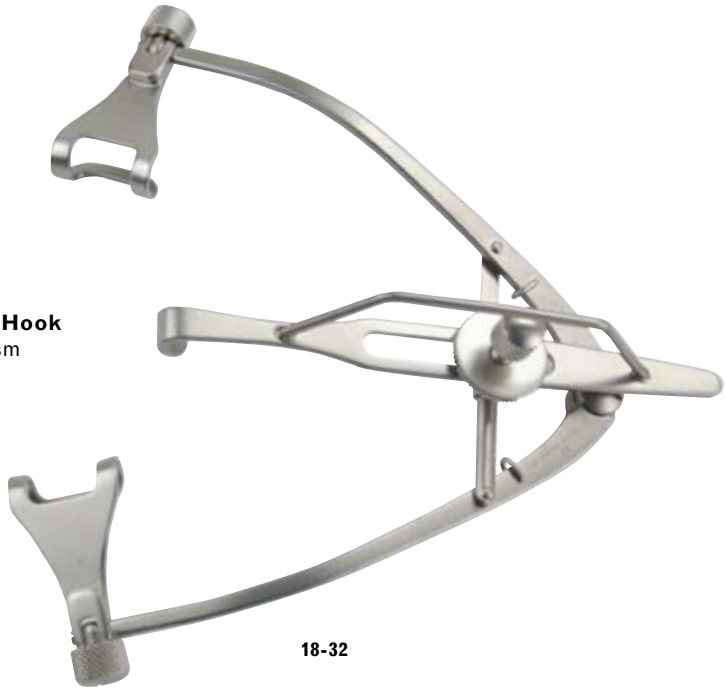
NOTE: All above instruments are Non-Magnetic

LIEBERMAN Eye Speculum, Kratz Style Open Wire Blades
with adjustable locking mechanism
18-39 2-3/4" (7 cm), 15 mm blades



18-39

GUYTON-PARK Eye Speculum, with Suture Posts & Canthus Hook
vertical and horizontal positioning with adjustable locking mechanism
18-32 3-1/2" (8.9 cm), fenestrated 14 mm blades



18-32

MAUMENEE-PARK Eye Speculum, with Canthus Hook
vertical and horizontal positioning with adjustable
locking mechanism
18-33 3-1/4" (8.3 cm), solid 14 mm blades

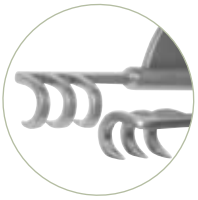
18-33

NOTE: All above instruments are Non-Magnetic

Retractors

Self Retaining
Finger Held

AGRICOLA Lacrimal Sac Retractor
with adjustable locking mechanism
18-80 1-1/2" (3.8 cm), 3 x 3 sharp prongs, 4 mm deep

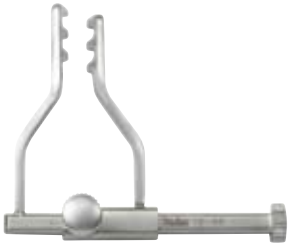


18-80

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

18-84

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



18-88

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

18-96

NOTE: All above instruments are Non-Magnetic

18-110

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

PM-4315 18-110 18-112 18-114 18-116

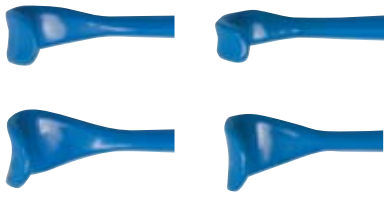
PM-4315IN

DESMARRES Lid Retractor, Insulated
5-1/2" (14 cm)
PM-4315IN*size 0, 10 mm
PM-4316IN*size 1, 12 mm
PM-4317IN*size 2, 14 mm

PM-4315IN PM-4316IN PM-4317IN

PM-4320

KAWAMOTO Double Ended Retractor, Insulated
6" (15.2 cm)
PM-4320* 14 mm & 16 mm
PM-4326* 8 mm & 10 mm
PM-4347* 5 mm & 10 mm



PM-4326 PM-4347

KASDAN Retractor, Double Ended
6-1/4" (15.9 cm)
PM-760* 13 x 6.5 mm & 19 x 9.5 mm working ends

PM-760

ZAREM-BAYLIS Eyelid Retractor
clear autoclavable plastic
PM-4329* 5-1/4" (13.3 cm), 13 mm wide

PM-4329

CLODIUS Orbital Retractor, Double Ended
often called a "Z-type Retractor"
PM-652* 6-1/4" (15.9 cm), 13 mm & 20 mm wide ends

PM-652

JAEGER Lid Plate
18-120 4-1/4" (10.8 cm), blades 20 mm & 23 mm
PM-5020* 4-1/4" (10.8 cm), blades 21 mm & 24 mm (not shown)

18-120

FOMON Ball End Retractors, with blunt ball ends
PM-5430* 6-1/4" (15.9 cm), single prong, with blunt ball end
PM-5435* 6-1/4" (15.9 cm), double prong 11 mm wide
PM-5381* 6-1/4" (15.9 cm), double prong 13 mm wide, round knurled handle

1/1

PM-5430

PM-5435

PM-5381

* PADGETT INSTRUMENTS® By Miltex

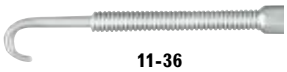
11-30

Flexible Neck Rake & Lacrimal Sac Retractor

6" (15.2 cm)

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

11-30



11-36

11-32

11-38

11-34

11-40

KNAPP Lacrimal Sac Retractor, Flexible Neck

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

11D-27

KNAPP (ROLLET) Retractor

18-100 5-1/4" (13.3 cm), 4 sharp prongs
18-102 5-1/4" (13.3 cm), 4 blunt prongs

18-100

18-102

SCHEPENS Orbital Retractor

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

18-250

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

18-439

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

PM-9056

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

18-569

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

PM-4311
PM-4312

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

PM-5015

PM-5010

* PADGETT INSTRUMENTS® By Miltex

Knives
&
Foreign body Instruments

VON GRAEFE Cataract Knife

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

18-140

18-142

18-144

18-146

18-148

KNAPP Cataract Knife

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

18-154

WHEELER Dissection Knife

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

18-152

ZIEGLER Knife-Needle

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

18-259

18-260

18-262

18-264

KNAPP Knife-Needle

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

18-270

DEAN Knife-Needle
18-292 5" (12.7 cm), curved blade 1 x 7 mm

18-292

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

18-308

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

18-330

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

18-350

DESMARRES Corneal Dissector
18-331 4-3/4" (12.1 cm), 3 x 8 mm blade

18-331

WALTER Corneal Spud
4-5/8" (11.8 cm)
18-302 straight blade 4 mm
18-304 curved blade 4 mm

18-302

18-304

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

18-314

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

18-320

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

18-344

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

18-372

DIX Foreign Body Spud
18-374 4-3/4" (12.1 cm), 1.7 x 15 mm blade

18-374

ELLIS Foreign Body Spud
18-380 4-1/2" (11.4 cm), 1.2 mm blade, curved

18-380

ALVIS Foreign Body Spud
oval curette
18-384 4-3/4" (12.1 cm), 1 x 3 mm with fine point

18-384

HOSFORD Foreign Body Spud
Gouge Blade 1 x 7 mm rounded tip,
4-1/2" (11.4 cm)
18-388 angled to right
18-390 angled to left

18-388

18-390

Golf Club Foreign Body Spud
angled and lightly rounded tip
18-301 4-1/2" (11.4 cm)

18-301

DIX Foreign Body Needle & Spud
protected in sliding handle
18-400 3-3/4" (9.5 cm) closed length

18-400

DIX Foreign Body Needle & Spud
protected in reversible screw handle
18-402 4-1/2" (11.4 cm) closed length

18-402

DIX Foreign Body Needle
replacement, fits 18-402 screw handle
18-402A

18-402A

DIX Foreign Body Spud
replacement, fits 18-402 screw handle
18-402B

18-402B

DIX Foreign Body Needle & Gouge
protected in reversible screw handle
18-404 4-1/2" (11.4 cm) closed length

18-404

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

18-370

WALTON Foreign Body Gouge
18-376 4-1/2" (11.4 cm), grooved, rounded end

18-376

Eye Magnet & Foreign Body Loop
magnet probe and plastic wire loop working ends are reversible to fit inside the pencil-shaped handle; provided with protective carrying case
18-398 4" (10.2 cm) closed length

18-398

Eye Magnet & Foreign Body Loop
with adjustable magnifier attached, magnet probe and loop working ends are reversible and fit inside the plastic handle; provided with protective carrying case
18-398M 5" (12.7 cm) closed length

18-398M

MILTEX® Eye Magnet
a powerful magnetic cylinder with round and pointed interchangeable tips; provided in a velvet lined steel carrying case
18-399 3-1/4" (8.4 cm) magnet length

18-399

Curettes & Spatulas

18-498

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

18-498

18-502

18-499

18-504

18-500

18-506

18-510

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

18-510

18-512

18-514

18-520

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

18-520

18-522

18-524

18-530

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

18-530

18-534

18-532

18-536

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

18-564

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

18-570

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

18-566

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

18-584

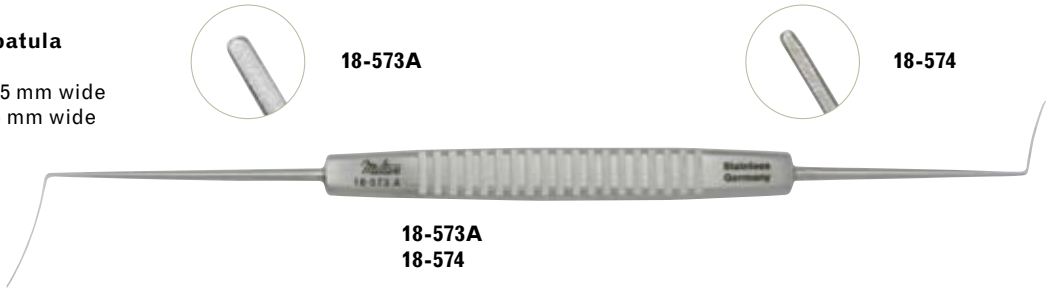
FISHER Spoon & Needle
curved spoon end 7 x 15 mm, needle 33 mm long
18-568 5-1/2" (14 cm)

18-568

LINDNER Cyclodialysis Spoon & Spatula
double ended, curved, malleable spatula
end is graduated in 6 mm increments
18-562 5-1/2" (14 cm)

18-562

CASTROVIEJO Cyclodialysis Spatula
double ended, 5-1/4" (13.3 cm)
18-573A blades 10 mm & 15 mm, 0.75 mm wide
18-574 blades 10 mm & 15 mm, 0.5 mm wide



18-573A
18-574

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

18-576

KRITZINGER-UPDEGRAFF LASIK Flap Elevator & Manipulator
for LASIK Flap; elevator cuts the epithelium and manipulator lifts flap during LASIK procedure
18-2028 5" (12.7 cm)

18-2028

SLADE LASIK Retreatment Spatula
for lifting the flap and separating the epithelium
4-3/4" (12.1 cm), with semi-sharp edges
18-593 1.0 mm wide tip, smooth
18-594 1.3 mm wide tip, with serrations

18-593
18-594

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)

18-597

HERZIG LASIK Elevator & Retreatment Spatula
18-592 5" (12.7 cm)

18-592

JAFFE Lens Spatula
flat, 0.5 mm wide
18-586 4-3/4" (12.1 cm)

18-586

HIRSCHMAN Lens Spatula
flat, 0.5 mm wide with multiple notches
18-585 4-3/4" (12.1 cm)

18-585

OBSTBAUM Synechiae Spatula
0.25 mm wide with semi-sharp tip
18-590 5" (12.7 cm)

18-590

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

18-591

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

18-587

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

18-588

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

18-589

Nucleus Instruments
&
IOL Manipulators

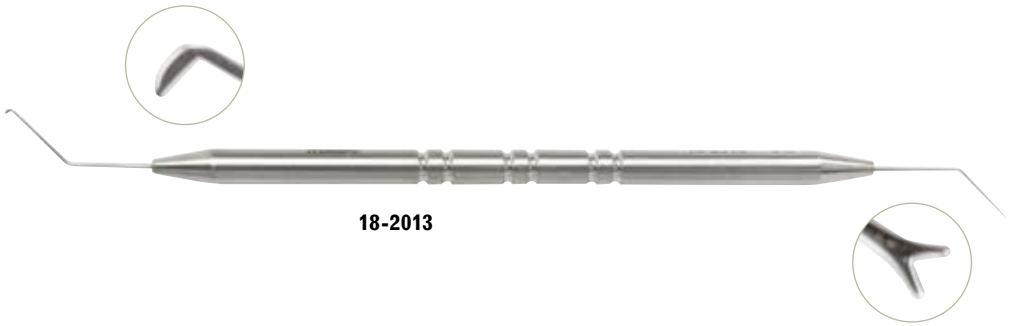
ROSEN Phaco Splitter
wedge shaped inferior edge with blunt tip
18-2014 4-1/2" (11.4 cm)

18-2014

ROSEN Phaco Splitter
60° angled wedge shaped inferior edge with blunt tip
18-2015 4-1/2" (11.4 cm)

18-2015

ROWEN Phaco Splitter Combo
Rosen Phaco Splitter with wedge shaped inferior edge and blunt tip, Bechert Nucleus Rotator with blunt forked tip angled at 7 mm
18-2013 5" (12.7 cm)



18-2013

KOCH Phaco Manipulator & Splitter
thin and smooth spatula to push, rotate, lift and split nucleus
18-2029 4-1/2" (11.4 cm), 0.8 mm tip

18-2029

NAGAHARA Phaco Chopper
60° 1.5 mm cutting edge
18-2018 4-1/2" (11.4 cm)

18-2018

NAGAHARA Phaco Chopper
90° 1.5 mm cutting edge
18-2019 4-1/2" (11.4 cm)

18-2019

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

18-2017

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

18-2007

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

18-2008

CLAYMAN Nucleus Rotator
0.5 mm wide flat spatula with V-notched tip
18-2009 4-3/4" (12.1 cm)

18-2009

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

18-2010

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

18-2011

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

18-2012

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

18-2021

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

18-2022

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

18-2023

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

18-2020

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

18-2003

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

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

18-2006

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)

18-2005

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)

18-2004

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)

18-2002

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)

18-2024

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

18-2033

18-2025

LESTER IOL Manipulator
0.25 mm diameter tip, angled, for multi-directional IOL manipulation
18-2026 4-3/4" (12.1 cm)

18-2026

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

18-2033

18-2027

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)

18-455

JAFFE Lens Manipulating Hook
0.15 mm diameter blunt tip, straight
18-456 4-1/2" (11.4 cm)

18-456

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

18-2033

18-457

18-458

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

18-2033

18-463

18-464

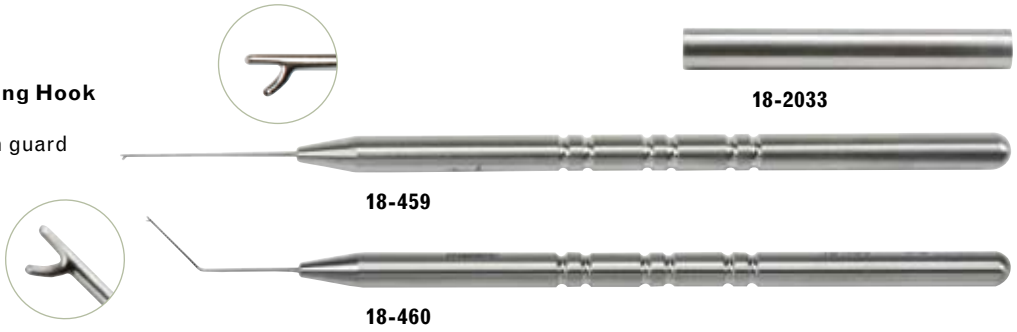
SINSKEY II Lens Manipulating Hook
0.20 mm diameter blunt tip
18-465 4-1/2" (11.4 cm), straight, with guard
18-466 4-1/2" (11.4 cm), angled
18-2033 Replacement guard/cap

18-2033

18-465

18-466

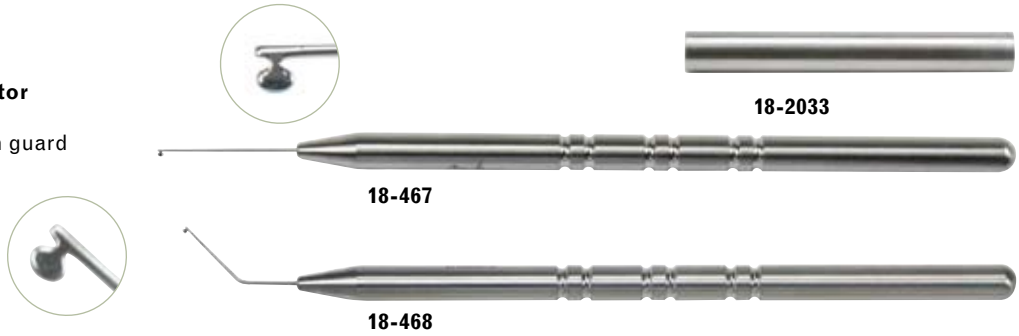
MALTZMAN-FENZL Lens Manipulating Hook
0.15 mm diameter tip
18-459 4-3/4" (12.1 cm), straight with guard
18-460 4-3/4" (12.1 cm), angled
18-2033 Replacement guard/cap



OSHER Y-Hook Lens Manipulator
18-461 4-3/4" (12.1 cm), straight with guard
18-2033 Replacement guard/cap

RENTSCH "Boat Hook" Lens Manipulator
multi-purpose instrument for iris/capsule retraction and/or lens manipulation
18-462 4-3/4" (12.1 cm), straight with guard
18-2033 Replacement guard/cap

KUGLEN Iris Hook & Lens Manipulator
push-pull pattern
18-467 4-1/2" (11.4 cm), straight with guard
18-468 4-1/2" (11.4 cm), angled
18-2033 Replacement guard/cap



SHEPARD Iris Hook
1.0 mm wide tip
18-421 4-3/4" (12.1 cm), blunt

KNOLLE Iris Hook
0.8 mm wide tip
18-470 4-3/4" (12.1 cm), small, blunt

18-470

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

18-469

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

18-418

18-420

OSHER Utility Hook
multi-purpose IOL Hook for retrieving dislocated IOLs, working IOL out of eye during explanation and performing iris tuck reduction with anterior chamber IOLs
18-417 4-1/2" (11.4 cm), angled tip

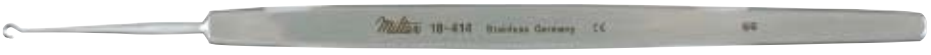
18-417

GUTHRIE Fixation Hook
sharp double prongs, 1.5 mm wide
18-416 5" (12.7 cm)

18-416

TYRELL Hook
18-412 5" (12.7 cm), sharp
18-414 5" (12.7 cm), blunt

18-412



18-414

O'CONNOR Hook
18-424 4-3/4" (12.1 cm), sharp

18-424

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

18-428

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

18-439

STEVENS Tenotomy Hook
5 mm deep
18-440 5" (12.7 cm), right angle

18-440

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

18-442

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

18-446

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

18-450

18-450

18-452

18-454

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

18-613

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

21-152

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

33-121

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

18-2127

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

18-121

HOFMANN-THORTON Globe Fixation Ring
16 mm diameter ring, with swivel handle, multiple blunt atraumatic teeth, for refractive surgery procedures
18-122 4-1/4" (10.8 cm)

18-122

FINE-THORTON Swivel Fixation Ring
13 mm diameter ring for clear cornea incisions, with swivel handle, multiple blunt teeth, marks in 15° increments for guide and placement of limbal relaxing incisions
18-123 4-1/4" (10.8 cm)

18-123

FINE-THORTON Swivel Fixation Ring
16 mm diameter ring for scleral tunnel incisions, with swivel handle, multiple blunt teeth, marks in 15° increments for guide and placement of limbal relaxing incisions
18-124 4-1/4" (10.8 cm)

18-124

Loops & Spoons

LEWIS Lens Loop
5-1/4" (13.3 cm)
18-480 serrated loop, 5.5 x 8 mm
18-482 smooth loop, 5.5 x 8 mm

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

BUNGE 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

18-1095

18-1096

KRAFF-UTRATA Capsulorhexis Forceps
cystotome tips; tongue and groove feature at angle junction helps keep jaws aligned
18-1097 4" (10.2 cm), blunt tips
18-1098 4" (10.2 cm), sharp tips

18-1097

18-1098

INAMURA Capsulorhexis Forceps
delicate tapered shanks and jaw profile seal incision and help eliminate viscoelastic leakage and flattening of the anterior chamber during continuous curvilinear capsulorhexis
18-1094 4-3/4" (12.1 cm)

18-1094

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

18-1000

18-1002

MILTEX® Extra-Capsular Forceps
improved pattern with 11 x 11 teeth
18-1034 4" (10.2 cm), long convex curve

18-1034

CASTROVIEJO Capsule Forceps
cross action with stop to limit opening of blades
18-1050 4" (10.2 cm)

18-1050

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

18-1058

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

18-1060

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

AKAHOSHI Combo Prechopper
18-2000 4-3/4" (12.1 cm)

AKAHOSHI Universal Prechopper
18-2001 4-3/4" (12.1 cm)

18-2000

18-2001

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

18-981

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

18-2016

BURATTO II Acrylic IOL Implantation Forceps
very thin and smooth polished jaws for implanting lens through a small incision
18-1071 5" (12.7 cm), angled, without lock

18-1071

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

18-1085

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

18-1090

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

18-1070

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

18-1072

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

18-1073

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

18-1089

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

18-1080

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

18-1081

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

18-1084

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

18-1082

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

18-1083

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

18-1086

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

18-1087

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

18-1093

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

18-1091

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

18-1092

JAFFE Tying Forceps
0.3 x 6 mm long platform, very delicate smooth jaws, for 8-0 to 11-0 sutures
18-920 4" (10.2 cm), straight
18-921 4" (10.2 cm), curved

18-920

18-921

TENNANT Tying Forceps
6 mm long platform, extra delicate smooth jaws, round handle and guide pin, for 9-0 to 11-0 sutures
18-923 4" (10.2 cm), straight
18-924 4" (10.2 cm), curved

18-923

18-924

HARMS Tying & Suturing Forceps
0.6 mm wide at tip, smooth tying platform, 11 mm wide handles, for 7-0 to 9-0 sutures
18-946 4-1/8" (10.5 cm), straight
18-947 4-1/8" (10.5 cm), curved

18-946

18-947

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

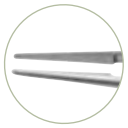
18-931

McPHERSON Tying Forceps
5 mm long platform, smooth jaws, for 8-0 to 11-0 sutures
18-922 4" (10.2 cm), straight
18-925 4" (10.2 cm), angled

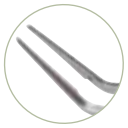
18-922

18-925

McPHERSON Micro Iris Suturing Forceps
0.3 x 5 mm smooth platform
18-948 3-1/2" (8.9 cm), straight
18-949 3-1/2" (8.9 cm), angled



18-948



18-949

McPHERSON Tissue Forceps
1 x 2 teeth, 0.4 mm with tying platform
18-929 4" (10.2 cm), angled
18-930 4" (10.2 cm), straight

18-929

18-930

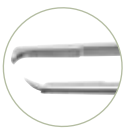
CASTROVIEJO Suturing Forceps
1 x 2 teeth with tying platform, narrow handles
4" (10.2 cm)
18-951 0.3 mm
PM-4909* 0.5 mm
18-952 0.6 mm
18-950 0.9 mm

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

CASTROVIEJO Suturing Forceps
1 x 2 teeth with tying platform,
11 mm wide handles
4-1/4" (10.8 cm)
18-953 0.12 mm, micro
18-954 0.6 mm
18-955 0.9 mm

18-953
18-954
18-955

CASTROVIEJO Suturing Forceps
1 x 2 teeth with tying platform,
11 mm wide handles
4-1/4" (10.8 cm)
PM-3726* 0.3 mm
PM-4908* 0.5 mm
PM-3727* 0.9 mm
PM-3731* 1.5 mm



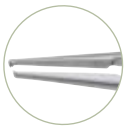
PM-3726
PM-4908
PM-3727
PM-3731

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

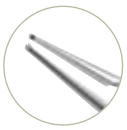
18-835

18-836

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



18-837



18-838

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

18-966

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

18-974

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

18-975

HARMS Colibri Forceps
extra delicate 1 x 2 teeth with tying platform
18-928 2-7/8" (7.3 cm), 0.12 mm

18-928

TROUTMAN-BARRAQUER Colibri Type Corneal Utility Forceps
1 x 2 teeth, set at 45° angle, with tying platform
18-827 3" (7.6 cm), 0.4 mm
18-828 3" (7.6 cm), 0.12 mm

18-827

18-828

PIERSE Colibri Type Corneal Forceps
very delicate 1 x 1 teeth
18-880 3-1/4" (8.3 cm), 0.12 mm
18-881 3-1/4" (8.3 cm), 0.3 mm

18-880

18-881

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

18-883

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

18-834

GILL (CHANDLER) Iris Forceps
fine cross serrated jaws, no teeth
18-825 3" (7.6 cm), 0.6 mm

18-825

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

18-830

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

18-829

Eye Dressing Forceps
extra delicate pattern, 0.5 mm serrated jaws
4" (10.2 cm)
18-779 straight
18-781 half curved
18-783 full curved

18-779

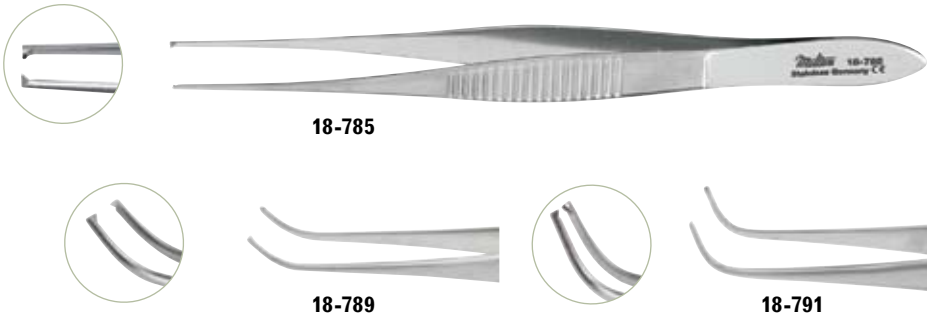
18-781 **18-783**

Eye Dressing Forceps
standard pattern, 0.8 mm serrated jaws
4" (10.2 cm)
18-780 straight
18-782 half curved
18-784 full curved

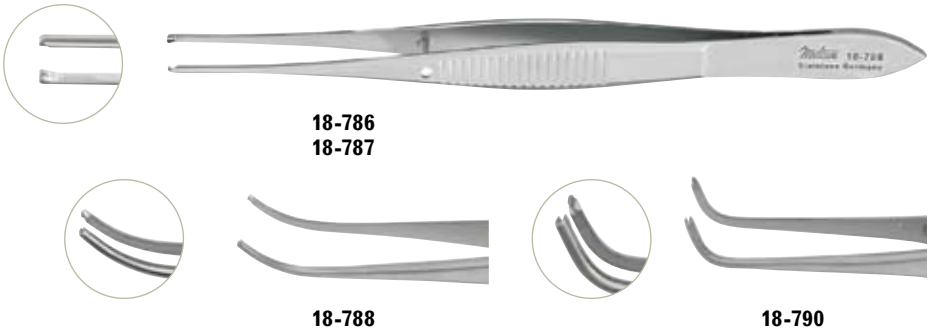
18-780

18-782 **18-784**

Iris Tissue Forceps
1 x 2 teeth, extra delicate pattern, 0.5 mm
4" (10.2 cm)
18-785 straight
18-789 half curved
18-791 full curved



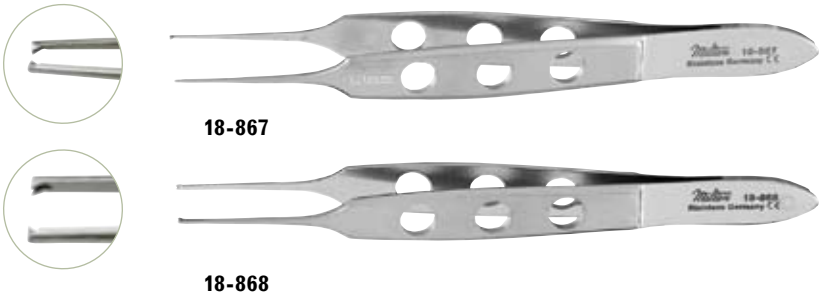
Iris Tissue Forceps
1 x 2 teeth, standard pattern, 0.8 mm
4" (10.2 cm)
18-786 straight
18-787 straight, non-magnetic
18-788 half curved
18-790 full curved



BISHOP-HARMON Dressing Forceps
fine cross serrated jaws
18-866 3-3/8" (8.6 cm), 0.5 mm

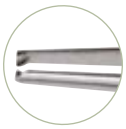
BISHOP-HARMON Dressing Forceps
serrated
PM-4809* 3-1/4" (8.3 cm), 0.6 mm

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



* PADGETT INSTRUMENTS® By Miltex®

BISHOP-HARMON Iris Tissue Forceps
1 x 2 teeth
PM-4793* 3-1/4" (8.3 cm), extra delicate, 0.3 mm
PM-4792* 3-1/4" (8.3 cm), delicate, 0.4 mm
PM-4791* 3-1/4" (8.3 cm), standard, 0.6 mm



PM-4793
PM-4792
PM-4791

FOERSTER Iris Tissue Forceps
1 x 2 teeth, octagonal grip
18-796 3-3/4" (9.5 cm), straight, 0.5 mm
18-798 3-3/4" (9.5 cm), full curved, 0.5 mm

18-796

18-798

FOERSTER Eye Dressing Forceps
serrated, octagonal grip
18-795 3-3/4" (9.5 cm), straight, 0.5 mm
18-795A 3-3/4" (9.5 cm), full curved, 0.5 mm

18-795

18-795A

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

18-793

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

18-804

GRAEFE Iris Forceps
1 x 2 teeth
18-816 2-3/4" (7.0 cm), straight
18-820 2-3/4" (7.0 cm), curved

18-816

18-820

GRAEFE Eye Dressing Forceps
serrated
18-814 2-3/4" (7.0 cm), straight
18-818 2-3/4" (7.0 cm), curved

18-814

18-818

COBAUGH Iris Forceps
1 x 2 teeth
PM-4212* 4" (10.2 cm), straight

PM-4212

COBAUGH Eye Dressing Forceps
serrated
PM-4213* 4" (10.2 cm), straight

PM-4213

BRACKEN Iris Forceps
fine cross serrated jaws
18-794 4" (10.2 cm)

18-794

* PADGETT INSTRUMENTS® By Miltex

KIRBY Iris Forceps
1 x 2 teeth
18-620 4" (10.2 cm), straight
18-624 4" (10.2 cm), curved

18-620

18-624

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

18-628

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

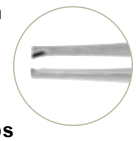
18-632

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

18-840

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

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



17-2500

17-2510

SWISS Jeweler Style Forceps
Non-Magnetic Stainless Steel,
4-3/4" (12.1 cm)

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

17-301

17-302

17-303

17-303X

SWISS Jeweler Style Forceps
Non-Magnetic Stainless Steel,
4-3/8" (11.2 cm)

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

17-303C

17-304

17-305

17-305X

SWISS Jeweler Style Forceps
Non-Magnetic Stainless Steel,
4-1/2" (11.4 cm)

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

17-306

17-307

17-307X

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

PM-4746

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

PM-4749

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

PM-4928

Micro Suture Forceps
with tying platform
PM-4859* 4-3/4" (12.1 cm) , 0.3 mm
PM-4860* 6" (15.2 cm) , 0.3 mm

PM-4859
PM-4860 (not shown)

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* PADGETT INSTRUMENTS® By Miltex®

LITTAUER Cilia Forceps
4 mm wide jaws with fine horizontal serrations
18-1100 3-1/2" (8.9 cm)

18-1100

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

18-1102

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

18-1104

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

18-1106

SWISS Cilia & Suture Forceps
3 mm wide precision fitted diagonal smooth jaws
18-1107 3-3/4" (9.5 cm)

18-1107

BERGH Cilia Forceps
5 mm wide jaws with horizontal serrations
18-1110 3-1/2" (8.9 cm)

18-1110

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

18-1111

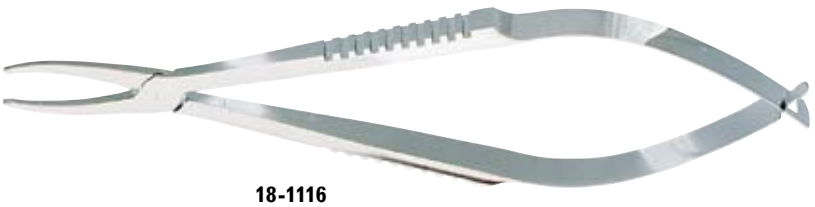
BENNETT Cilia Forceps
3 mm diameter cup shaped jaws, fenestrated
18-1112 3" (7.6 cm)

18-1112

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

18-1114

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



18-1116

BERKE Ptosis Forceps
longitudinal serrations, slide lock,
18-1138 4" (10.2 cm), blades 27 mm long
PM-4323* 4" (10.2 cm), blades 20 mm long

18-1138
PM-4323 (not shown)

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

18-1150

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

18-1160

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

18-1162

BAIRD Chalazion Forceps
oval, inside ring 8 x 11 mm, small
18-1171 4" (10.2 cm)

18-1171

* PADGETT INSTRUMENTS® By Miltex

AYER Chalazion Forceps
round, inside ring diameter 8.5 mm,
solid blade 8 mm diameter
18-1170 3-1/2" (8.9 cm)

18-1170

LAMBERT Chalazion Forceps
round, inside ring diameter 8 mm, outside diameter 11 mm
18-1172 3-3/4" (9.5 cm)
18-1174 3-1/2" (8.9 cm)

18-1172

18-1174

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

18-1178

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

18-1182

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

18-1188

WIES Chalazion Forceps
inside ring 9 x 12 mm
18-1190 4" (10.2 cm)

18-1190

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

18-1200

18-1202

18-1204

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

18-1208

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

18-1220

PM18-1220

JAMESON Recession & Muscle Forceps
with slide lock, 7 teeth, adult size
18-1262 3-3/4" (9.5 cm), right
18-1260 3-3/4" (9.5 cm), left

18-1262

18-1260

* PADGETT INSTRUMENTS® By Miltex®

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

18-850
18-852 (not shown)

18-854

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

18-860

VON GRAEFE Tissue Forceps
fine multiple atraumatic teeth
PM-6200* 4-1/4" (10.8 cm)

PM-6200

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

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

18-876

18-878

GREEN Fixation Forceps, T-Shape
4" (10.2 cm)
18-896 12 mm jaws, 19 x 20 teeth
18-897 5 mm jaws, 8 x 9 teeth

18-896

18-897

* PADGETT INSTRUMENTS® By Miltex®

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

18-904

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

18-906

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

18-912

18-914

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

18-916

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

18-628

NUGENT Utility Forceps
4-1/4" (10.8 cm)
18-956 angled smooth jaws, 1.2 mm
18-958 angled cross serrated jaws, 1.2 mm

18-956

18-958

McCULLOUGH Utility Forceps
4" (10.2 cm)
18-962 straight smooth jaws, 1.5 mm
18-964 straight cross serrated jaws, 1.5 mm

18-962

18-964

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

18-966

KURTH Suture Forceps
smooth tying platform
PM-4136* 4" (10.2 cm)

PM-4136

WILLS HOSPITAL Utility Forceps
cross serrated tying platform
18-970 4" (10.2 cm), 1.2 mm

18-970

* PADGETT INSTRUMENTS® By Miltex

BONNACCOLTO Utility Forceps
longitudinal serrations with cross serrations on jaws, 1.2 mm wide with tapered tips
18-971 4" (10.2 cm)

18-971

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

18-978

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

18-980

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

6-118

6-118

6-118A

ADSON Dressing Forceps
delicate, serrated, lightweight fenestrated handles
6-118XL 4-3/4" (12.1 cm), straight

6-118XL

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

17-2510

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

PM-6105

PM-6105

PM-6106

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

6-120

6-120

6-120A

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

6-120XL

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

17-2500

* PADGETT INSTRUMENTS® By Miltex

ADSON Tissue Forceps
1 x 2 teeth, cross serrated tips, delicate
6-121 4-3/4" (12.1 cm), straight
PM-6121* 4-3/4" (12.1 cm), angled

6-121
PM-6121 (not shown)

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

6-123

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

6-123XL

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

PM-0278

ADSON Tissue Forceps
2 x 3 teeth, delicate
6-122 4-3/4" (12.1 cm)
PM-6115* 4-3/4" (12.1 cm), with serrations

6-122

PM-6115

* PADGETT INSTRUMENTS® By Miltex

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

6-124

6-124

6-126

BROWN-ADSON Tissue Forceps
7 x 7 teeth side grasping teeth,
lightweight fenestrated handles
6-124XL 4-3/4" (12.1 cm)

6-124XL

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

PM-6125

PM-6125

PM-6126

GRIFFITHS-BROWN Tissue Forceps
delicate, 1.5 x 5 mm Brown-Type teeth
6-127 4-1/4" (10.8 cm)

6-127

DeBAKEY-ADSON Tissue Forceps
atraumatic jaws, 1.5 mm
6-125 4-3/4" (12.1 cm)

6-125

6-125

* PADGETT INSTRUMENTS® By Miltex

SEMKEN Dressing Forceps
serrated
6-104 5" (12.7 cm)

6-104

SEMKEN Tissue Forceps
1 x 2 teeth
6-106 5" (12.7 cm), straight
6-107 5" (12.7 cm), curved

6-106

6-106

6-107

LUCAE Dressing Forceps
bayonet shape, serrated jaws
19-370 5-1/2" (14.0 cm)

19-370

JANSEN Dressing Forceps
bayonet shape, extra delicate with
2 mm wide serrated jaws
19-371 6-1/4" (15.9 cm)

19-371

JANSEN Dressing Forceps
bayonet shape, serrated
PM-4278* 6-1/2" (16.5 cm)

PM-4278

* PADGETT INSTRUMENTS® By Miltex

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

PM-4842

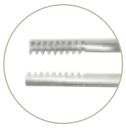
LISTER Dissecting Forceps
1 x 2 teeth on grooved block jaws
PM-0326* 4" (10.2 cm)

PM-0326

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

PM-4719

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



PM-4681

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

PM-6245

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* PADGETT INSTRUMENTS® By Miltex

ADSON Bipolar Forceps
4-1/4" (108 mm)
PM-9410* needle
PM-9411* 0.5 mm

PM-9410

PM-9411

Jeweler's Bipolar Forceps
4-1/4" (10.8 cm)
PM-9420* needle
PM-9421* 0.5 mm

PM-9420

PM-9421

Jeweler's Bipolar Forceps
curved
PM-9425* 4-3/4" (12.1 cm), 1.0 mm

PM-9425

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

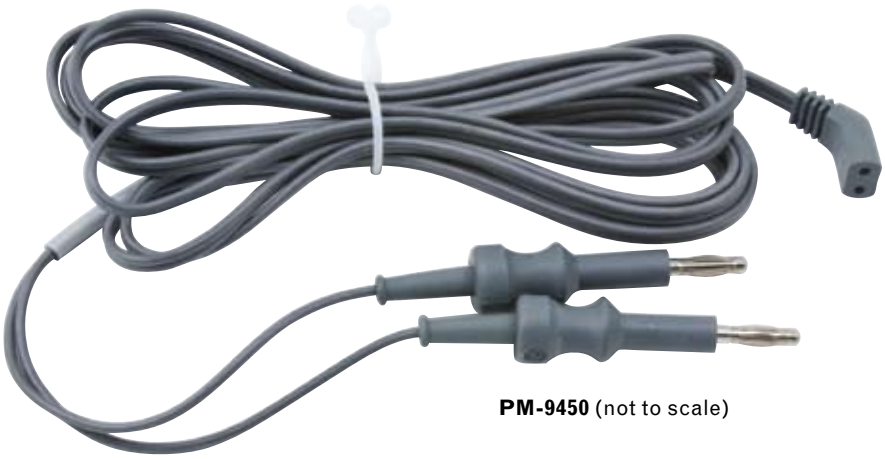
PM-9430

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

PM-9431

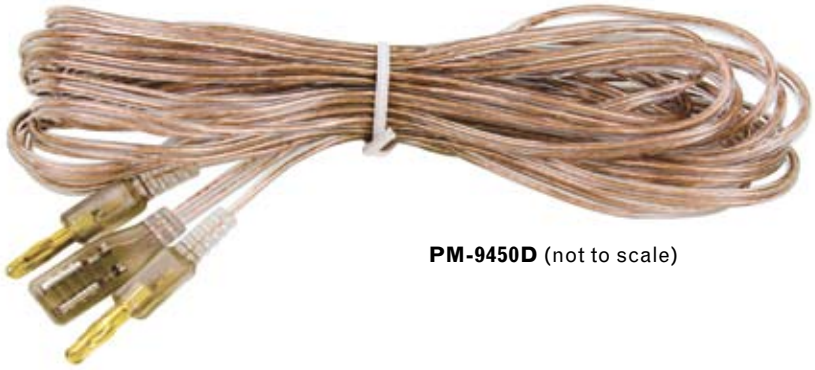
* PADGETT INSTRUMENTS® By Miltex

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)



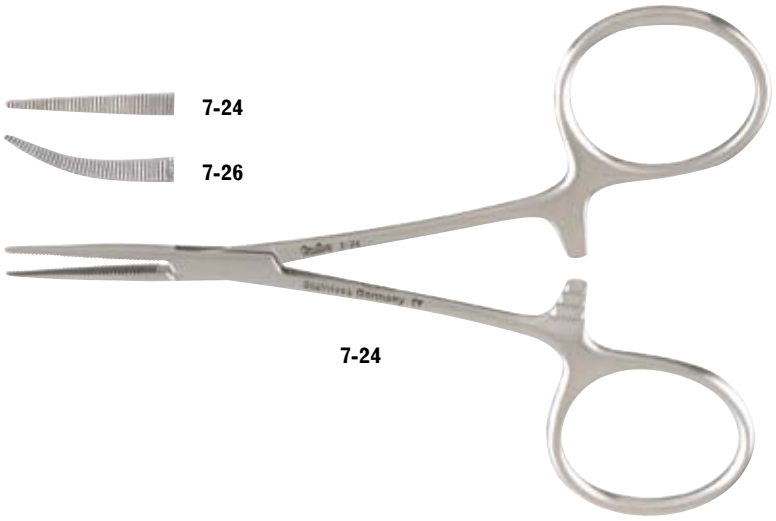
PM-9450D (not to scale)

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

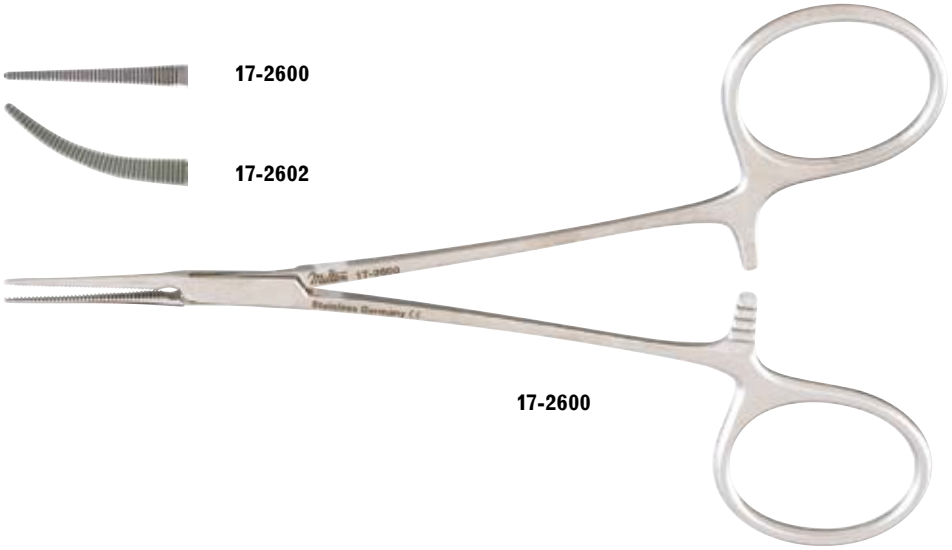
015999

Hemostats & Clamps

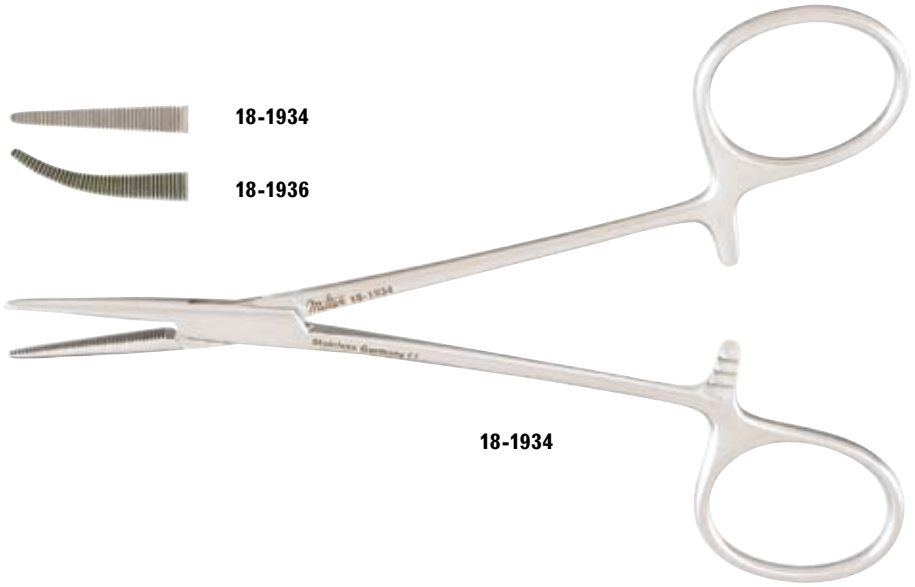
HARTMAN Mosquito Forceps
7-24 4" (10.2 cm), straight
7-26 4" (10.2 cm), curved

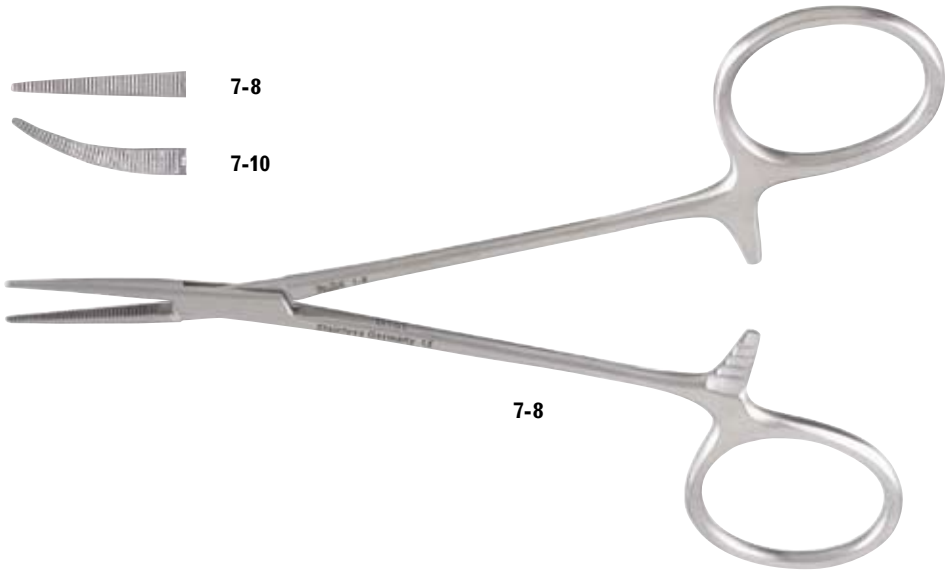


JACOBSON Micro Mosquito Forceps
extremely delicate
17-2600 5" (12.7 cm), straight
17-2602 5" (12.7 cm), curved

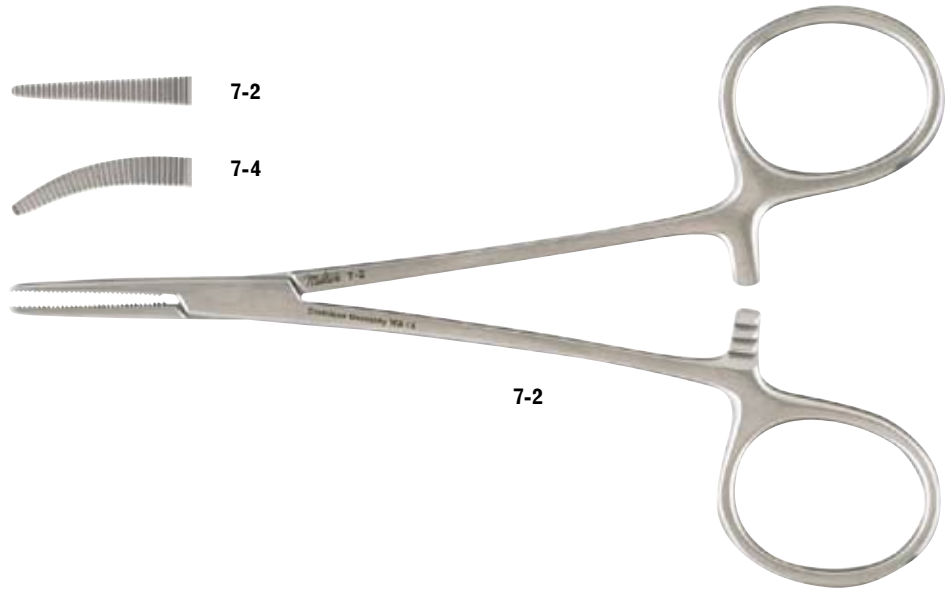


HALSTED Mosquito Forceps
non-magnetic
18-1934 5" (12.7 cm), straight
18-1936 5" (12.7 cm), curved





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)

7-504
7-506 (not shown)

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

7-514
7-515 (not shown)

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

7-280

7-282

7-284

7-286

7-290

7-292

JOHNS HOPKINS Bulldog Clamp

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

7-294

7-296

7-298

7-300

7-302

DIEFFENBACH Serrefine

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

7-304

7-305

7-310

DIETHRICH Micro Bulldog Clamp

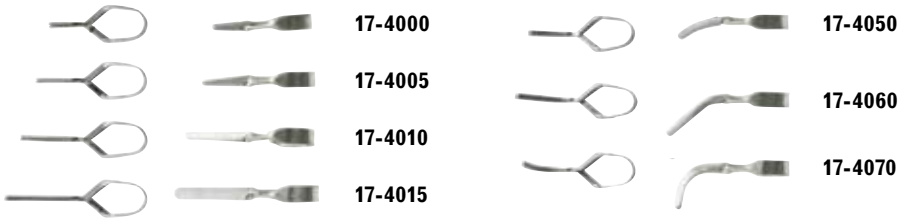
jaws 8 x 1.2 mm

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

7-315

Micro Vessel Clips

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



Micro Clip Approximator Set

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

Applying Forceps for Micro Clips

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

17-4100

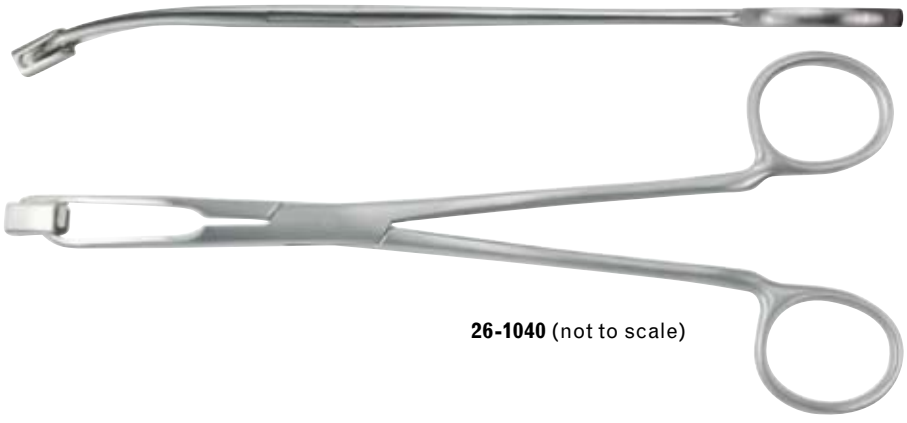
17-4102

SCHWARTZ Vessel Clip

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

SCHWARTZ Clip Applying Forceps

26-1040 8" (20.3 cm)



26-1040 (not to scale)

Scissors

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

18-1616 (1/1)

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

18-1617 (1/1)

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

18-1620

18-1620 (1/1)

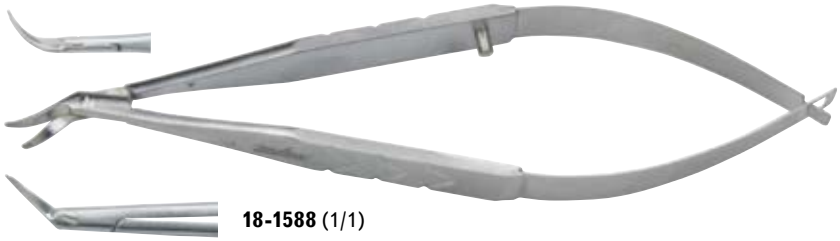
18-1623 (1/1)

18-1622 (1/1)

18-1624 (1/1)

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

18-1587 (1/1)



18-1588 (1/1)

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

18-1589 (1/1)

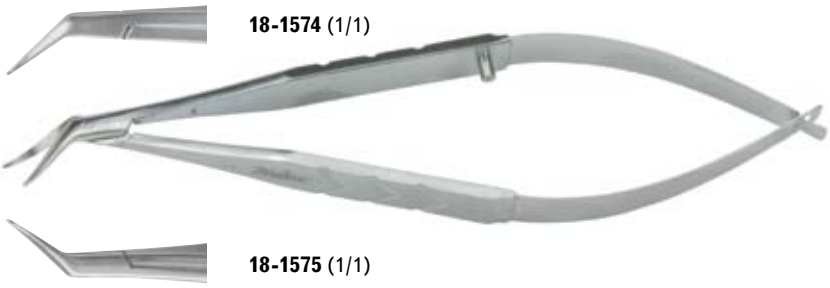
18-1590 (1/1)

RICH Corneal Transplant Scissors
extremely delicate; strongly curved blades; for trimming the recipient corneal bed and donor button; can also be used for open sky anterior capsulotomy
18-1591 4" (10.2 cm), left
18-1592 4" (10.2 cm), right

18-1591 (1/1)

18-1592 (1/1)

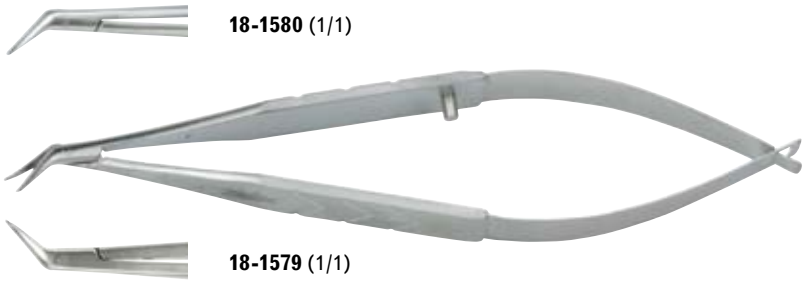
CASTROVIEJO Corneoscleral Scissors
medium blades, curved
18-1574 4-1/4" (10.8 cm), left
18-1575 4-1/4" (10.8 cm), right



18-1574 (1/1)

18-1575 (1/1)

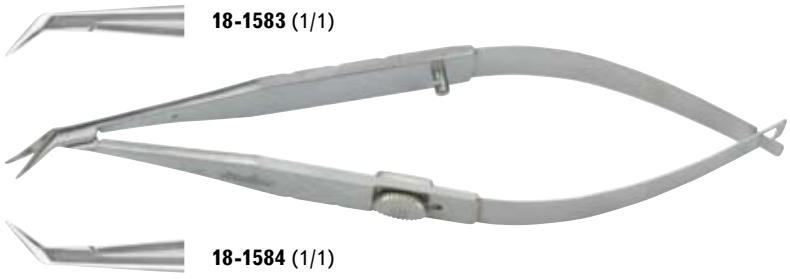
CASTROVIEJO Corneoscleral Scissors
small blades, curved
18-1580 4-1/8" (10.5 cm), left
18-1579 4-1/8" (10.5 cm), right



18-1580 (1/1)

18-1579 (1/1)

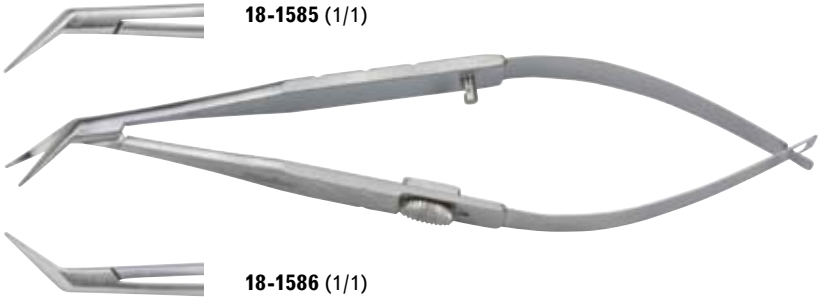
TROUTMAN-CASTROVIEJO Corneoscleral Scissors
small blades, curved, with lock
18-1583 4" (10.2 cm), left
18-1584 4" (10.2 cm), right



18-1583 (1/1)

18-1584 (1/1)

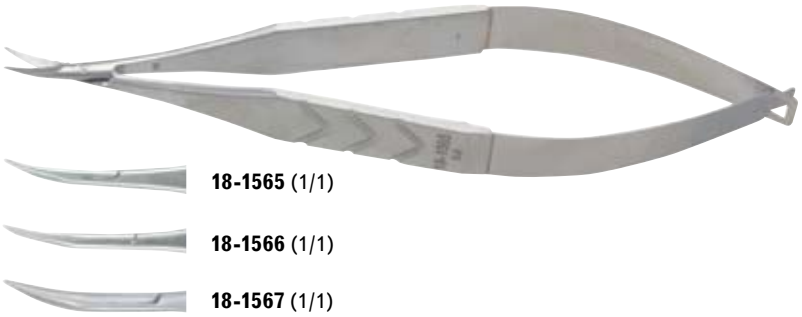
TROUTMAN-CASTROVIEJO Corneoscleral Scissors
medium blades, curved, with lock
18-1585 4-1/4" (10.8 cm), left
18-1586 4-1/4" (10.8 cm), right



18-1585 (1/1)

18-1586 (1/1)

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



18-1565 (1/1)

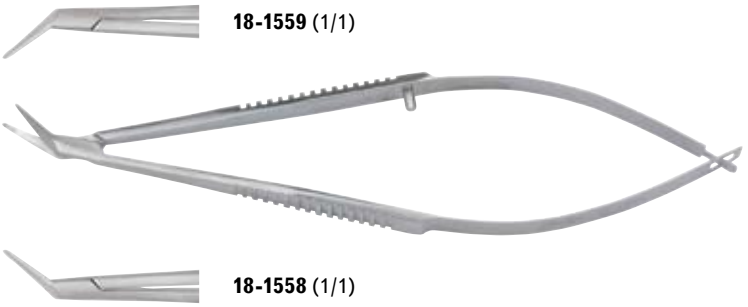
18-1566 (1/1)

18-1567 (1/1)

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

18-1568 (1/1)

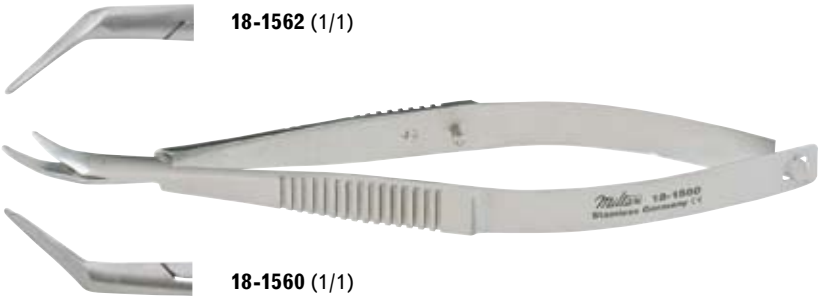
CASTROVIEJO Corneal Scissors
for microsurgery, 6 mm curved blades, blunt tips
18-1559 4" (10.2 cm), left
18-1558 4" (10.2 cm), right



18-1559 (1/1)

18-1558 (1/1)

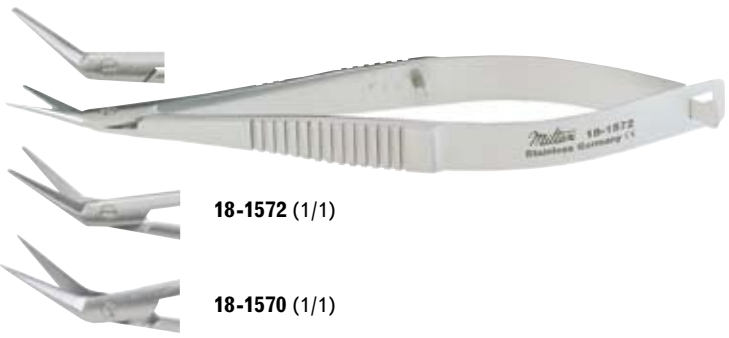
CASTROVIEJO Corneal Section Scissors
inner blade 1 mm longer, curved, blunt tips
18-1562 4-1/2" (11.4 cm), left
18-1560 4-1/2" (11.4 cm), right



18-1562 (1/1)

18-1560 (1/1)

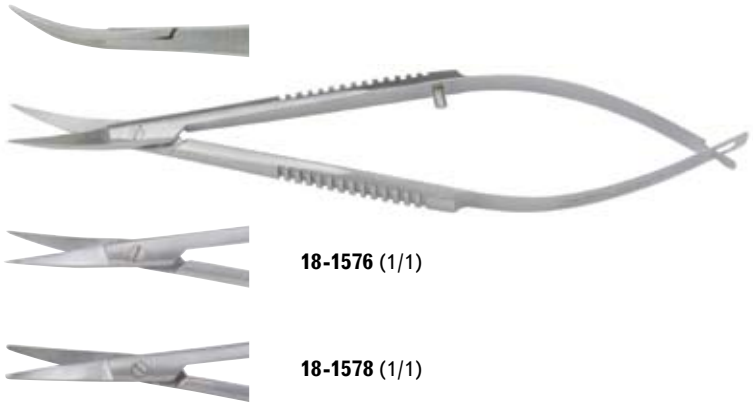
CASTROVIEJO Corneal Scissors
angled blades 11 mm
18-1572 3-3/4" (9.5 cm), blunt tips (corneal)
18-1570 3-3/4" (9.5 cm), sharp tips (keratoplasty)



18-1572 (1/1)

18-1570 (1/1)

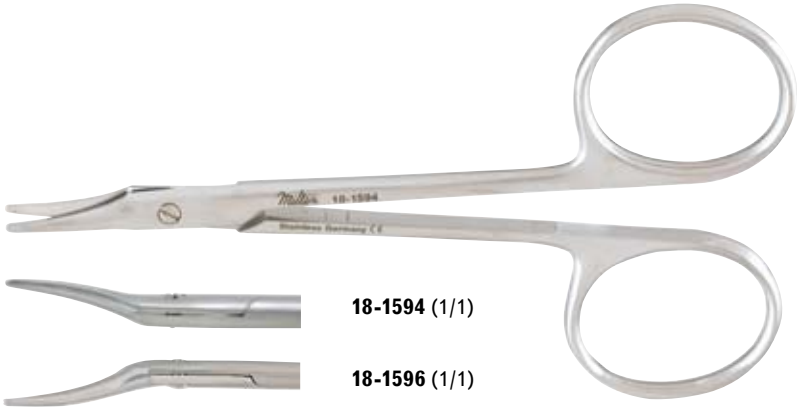
CASTROVIEJO Corneal Scissors
18-1576 3-3/4" (9.5 cm), curved, sharp tips
18-1578 3-3/4" (9.5 cm), curved, blunt tips



18-1576 (1/1)

18-1578 (1/1)

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



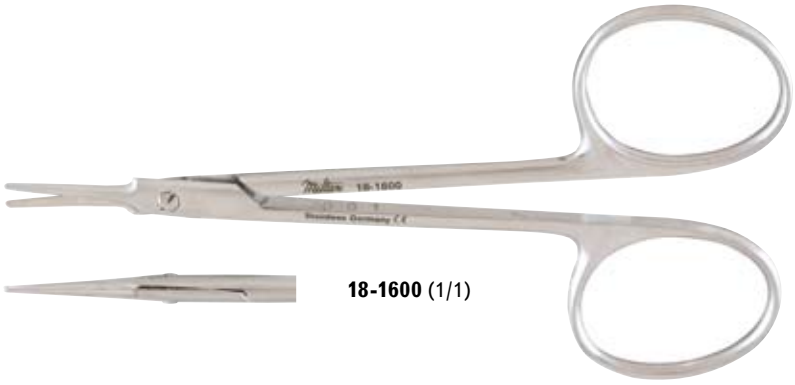
18-1594 (1/1)

18-1596 (1/1)

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

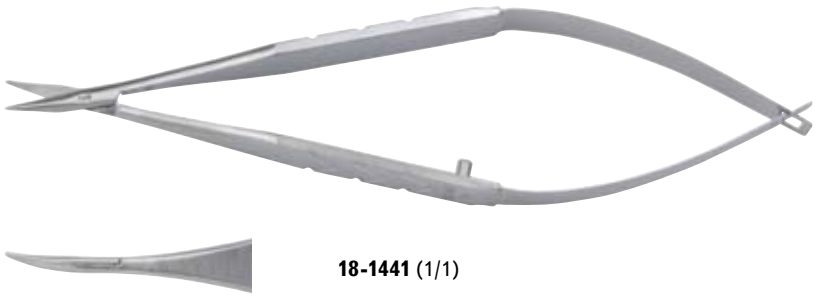
18-1602 (1/1)

18-1604 (1/1)



18-1600 (1/1)

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



18-1441 (1/1)

WILMER (CONVERSE) Conjunctival Scissors
angled on flat, semi-sharp tips
PM-6450* 4-1/8" (10.5 cm), flattened thin blades
PM-6451* 4-1/4" (10.8 cm), saber-back blades

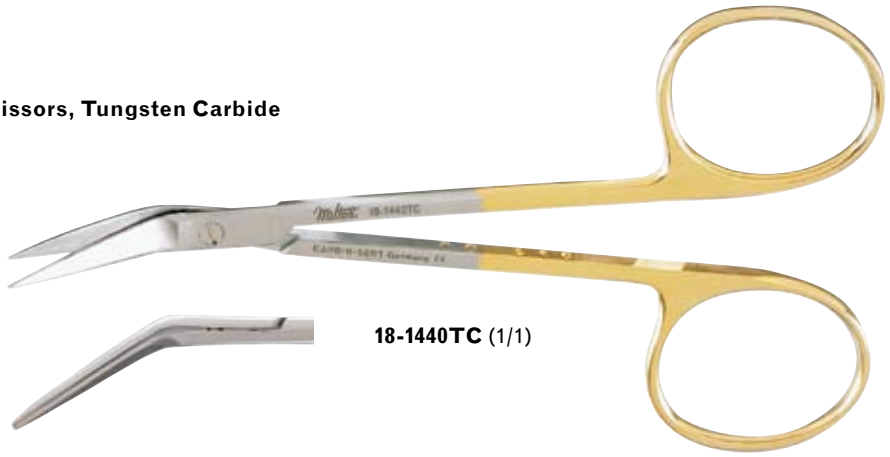
PM-6450 (1/1)

PM-6451 (1/1)

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

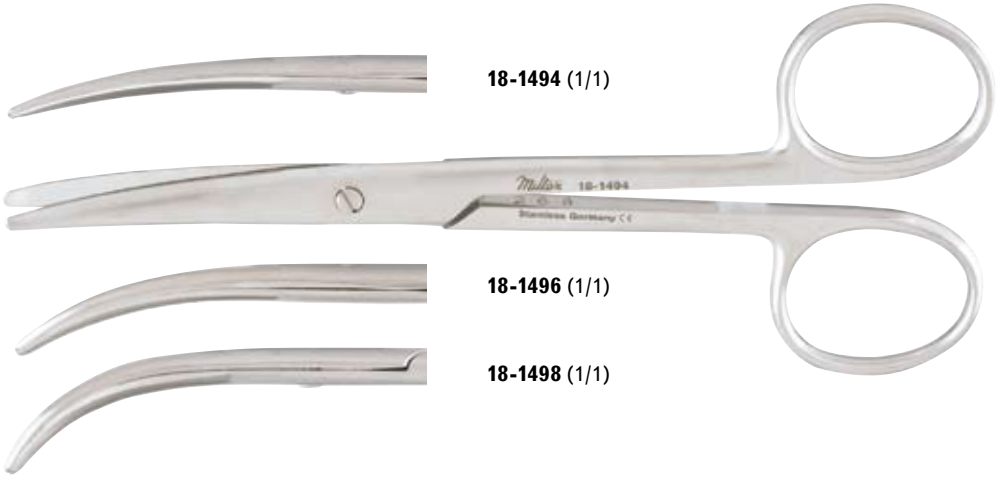
18-1440 (1/1)

WILMER (CONVERSE) Conjunctival & Utility Scissors, Tungsten Carbide
angled on flat, long blades, semi-sharp tips
18-1440TC 4-1/2" (11.4 cm), flattened thin blades



18-1440TC (1/1)

ENUCLEATION Scissors
rounded blades, blunt tips
18-1494 5" (12.7 cm), light curve
18-1496 5" (12.7 cm), medium curve
18-1498 5" (12.7 cm), full curve



18-1494 (1/1)

18-1496 (1/1)

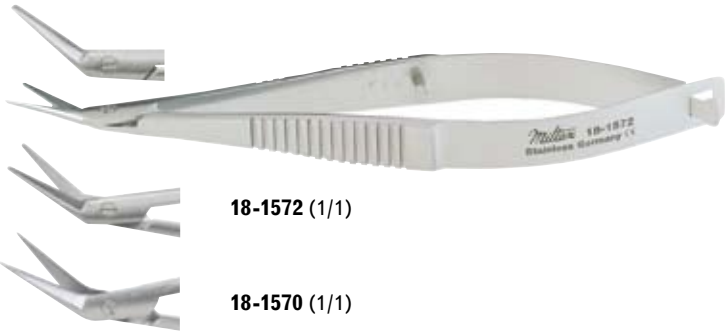
18-1498 (1/1)

* PADGETT INSTRUMENTS® By Miltex®

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

18-1581 (1/1)

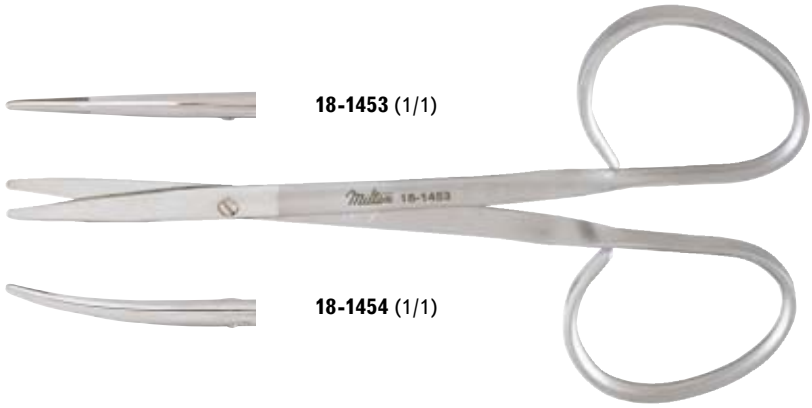
CASTROVIEJO Corneal Scissors
angled blades 11 mm
18-1572 3-3/4" (9.5 cm), blunt tips (corneal)
18-1570 3-3/4" (9.5 cm), sharp tips (keratoplasty)



18-1572 (1/1)

18-1570 (1/1)

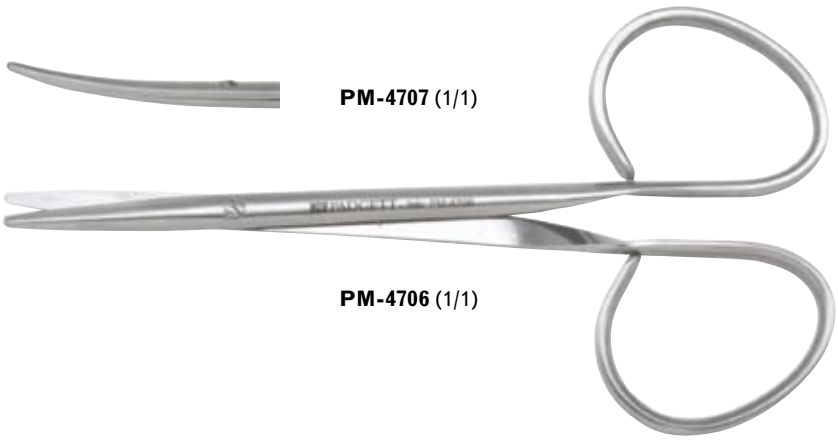
STRABISMUS Scissors
ribbon type, rounded blades, blunt tips
18-1453 4-1/4" (10.8 cm), straight
18-1454 4-1/4" (10.8 cm), curved



18-1453 (1/1)

18-1454 (1/1)

PADGETT™ Strabismus Scissors
ribbon type, rounded blades, blunt tips
PM-4706* 4-1/8" (10.5 cm), straight
PM-4707* 4-1/8" (10.5 cm), curved

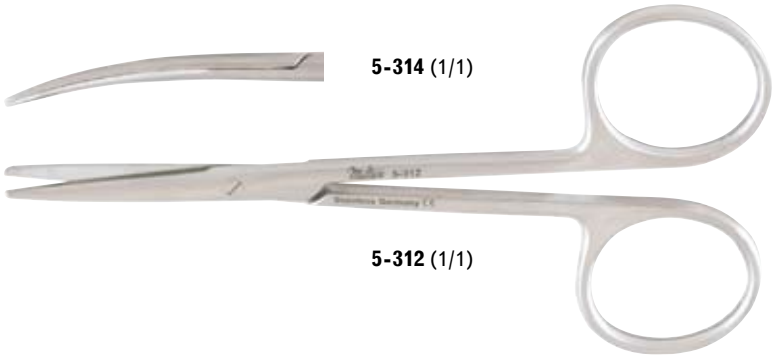


PM-4707 (1/1)

PM-4706 (1/1)

* PADGETT INSTRUMENTS® By Miltex

STRABISMUS Scissors
rounded blades, blunt tips
5-312 4" (10.2 cm), straight
5-314 4" (10.2 cm), curved

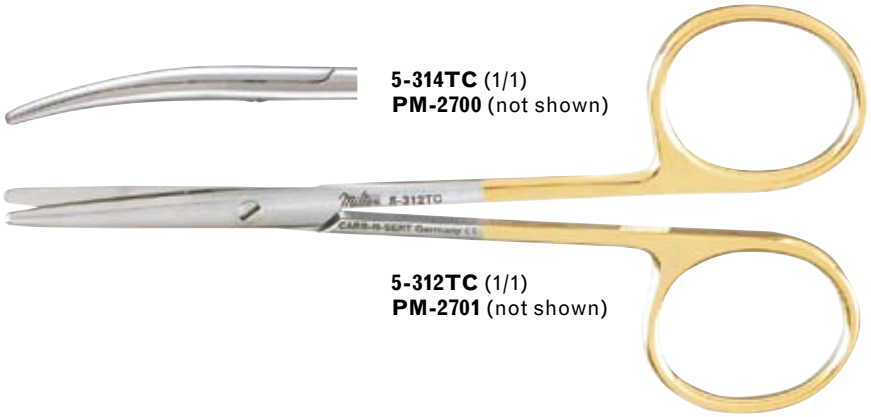


5-314 (1/1)

5-312 (1/1)

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

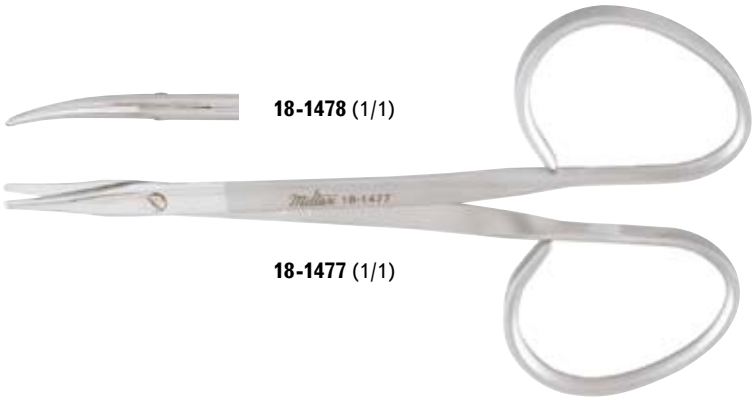
PM-2701* 4-1/2" (11.4 cm), straight
PM-2700* 4-1/2" (11.4 cm), curved



5-314TC (1/1)
PM-2700 (not shown)

5-312TC (1/1)
PM-2701 (not shown)

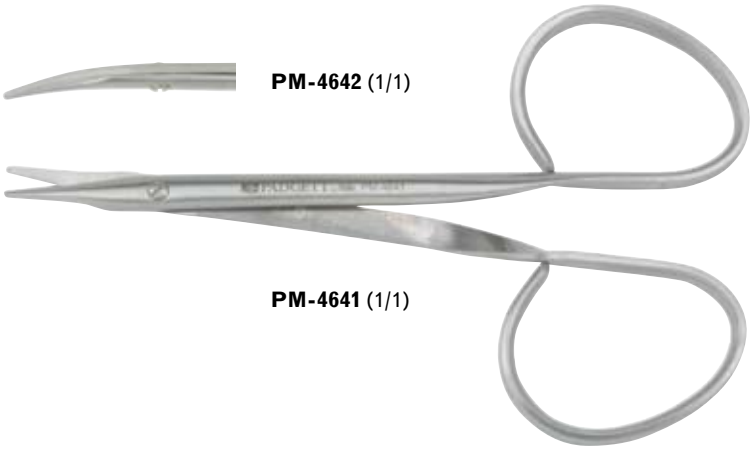
STEVENS Tenotomy Scissors
blunt tips, ribbon type
18-1477 3-3/4" (9.5 cm), straight
18-1478 3-3/4" (9.5 cm), curved



18-1478 (1/1)

18-1477 (1/1)

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



PM-4642 (1/1)

PM-4641 (1/1)

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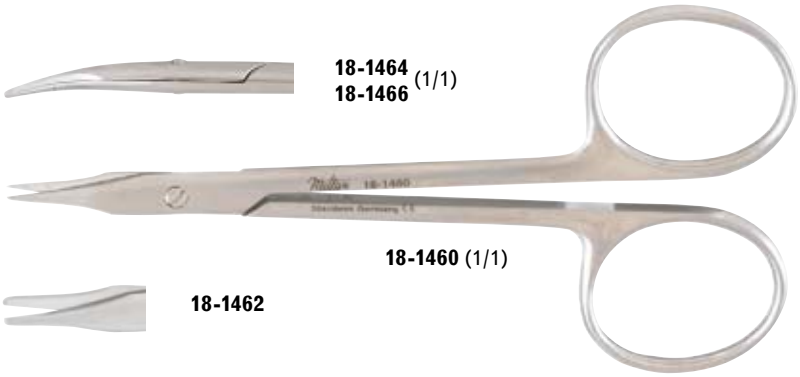
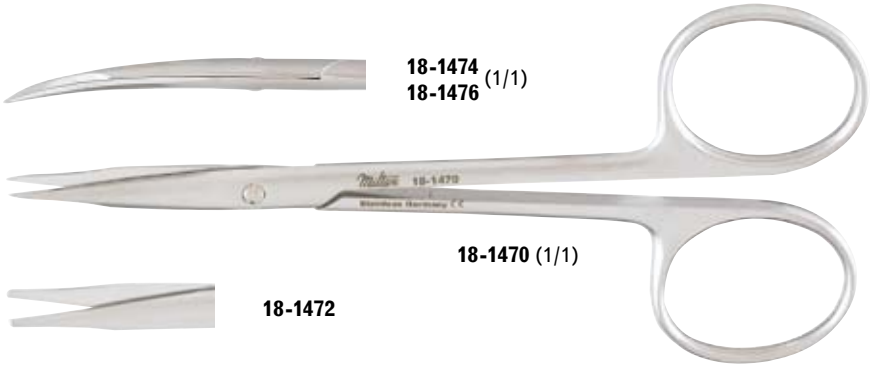
STEVENS Tenotomy Scissors
short blades
18-1460 4-1/8" (10.5 cm), straight, sharp tips
18-1464 4-1/8" (10.5 cm), curved, sharp tips

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



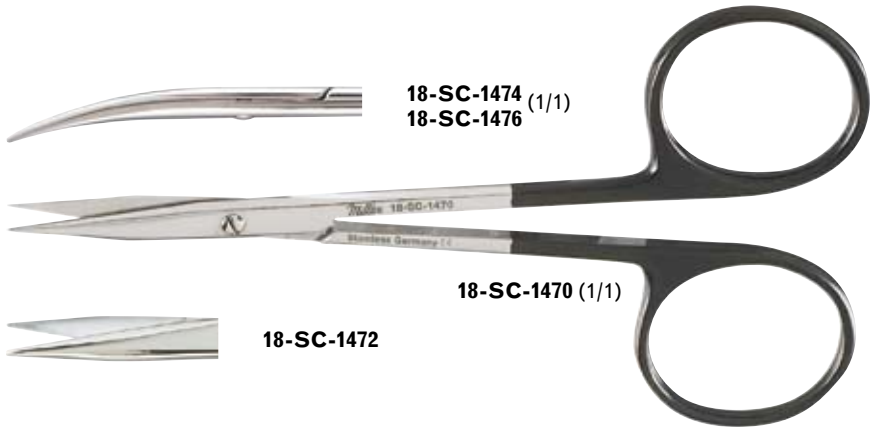
STEVENS Tenotomy Scissors
long blades
18-1470 4-1/2" (11.4 cm), straight, sharp tips
18-1474 4-1/2" (11.4 cm), curved, sharp tips

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

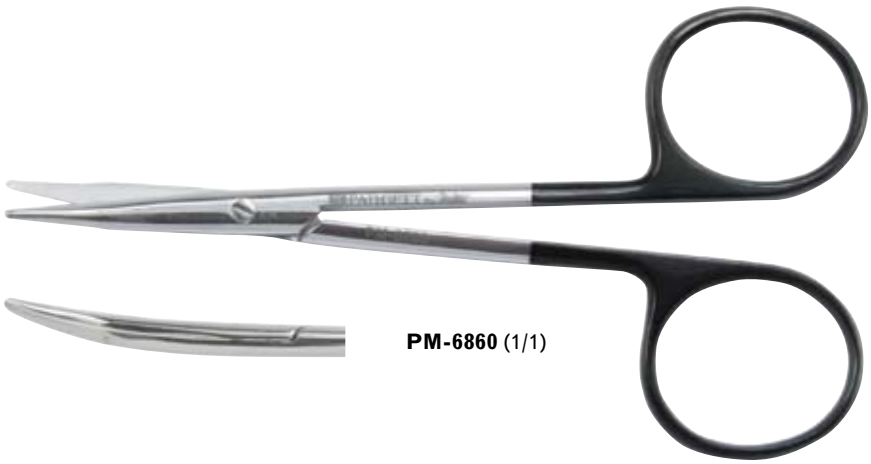


STEVENS Tenotomy Scissors, SuperCut
long blades, one micro fine serrated blade
18-SC-1470 4-1/2" (11.4 cm), straight, sharp tips
18-SC-1474 4-1/2" (11.4 cm), curved, sharp tips

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

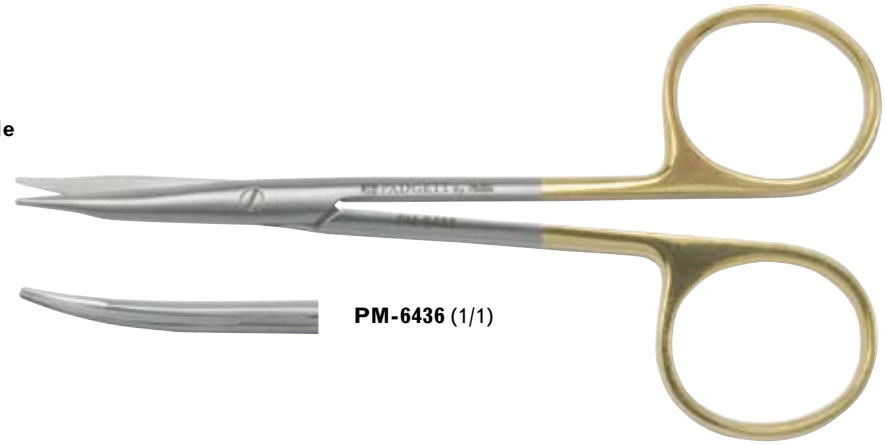


STEVENS Tenotomy Scissors, SuperCut
long blades, one micro fine serrated blade
PM-6860* 4-1/2" (11.4 cm), curved, semi-sharp tips



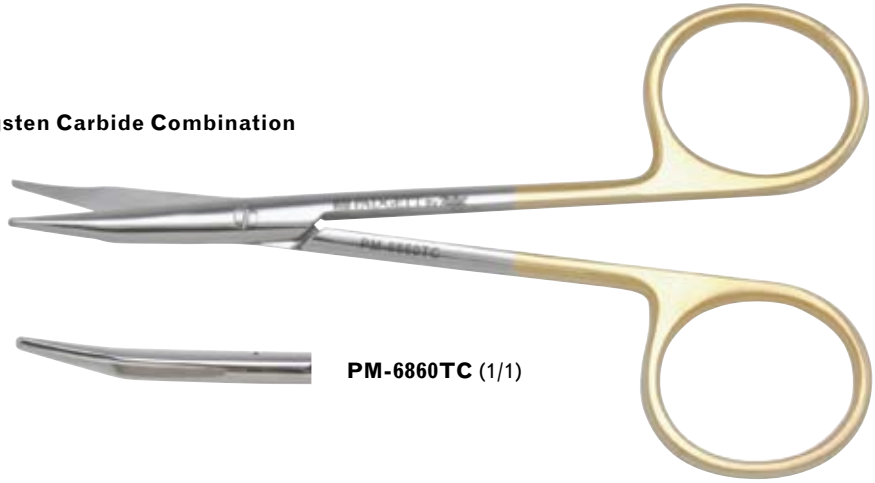
* PADGETT INSTRUMENTS® By Miltex

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



PM-6436 (1/1)

STEVENS Tenotomy Scissors, SuperCut & Tungsten Carbide Combination
long blades, blunt tips, one micro fine serrated blade
PM-6860TC* 4-1/2" (11.4 cm), curved

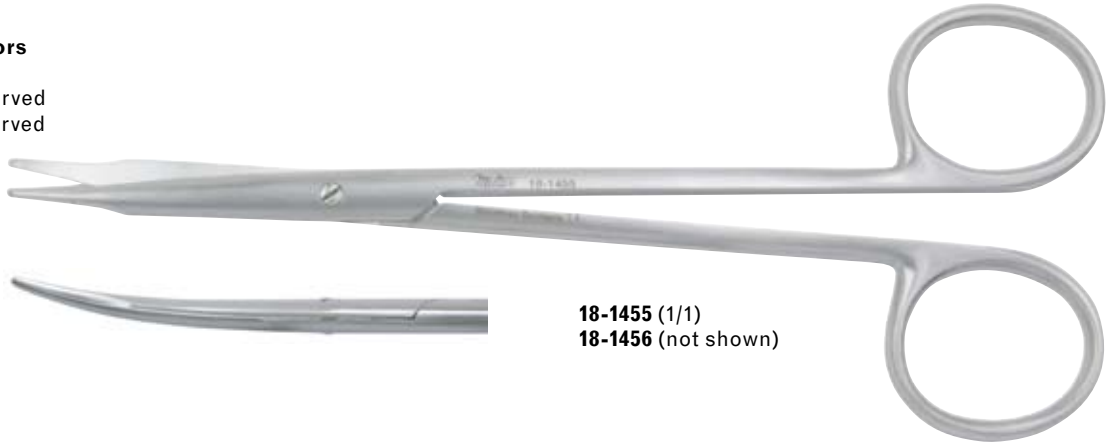


PM-6860TC (1/1)

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

PM-4843 (1/1)

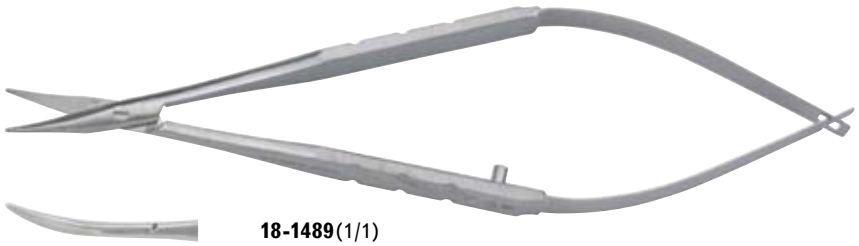
STEVENS Tenotomy Scissors
long blades, blunt tips
18-1455 5-1/2" (14.0 cm), curved
18-1456 6-1/4" (15.9 cm), curved



18-1455 (1/1)
18-1456 (not shown)

* PADGETT INSTRUMENTS® By Miltex

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



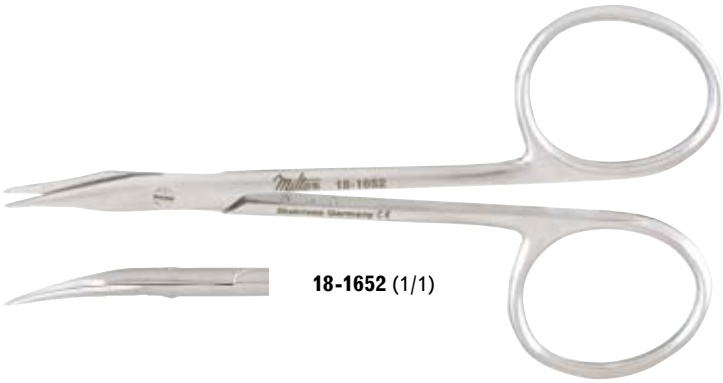
18-1489 (1/1)

WESTCOTT Tenotomy Scissors
wide handles, curved, blunt tips
18-1488 5-1/4" (13.3 cm), left
18-1487 5-1/4" (13.3 cm), right

18-1488 (1/1)

18-1487 (1/1)

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

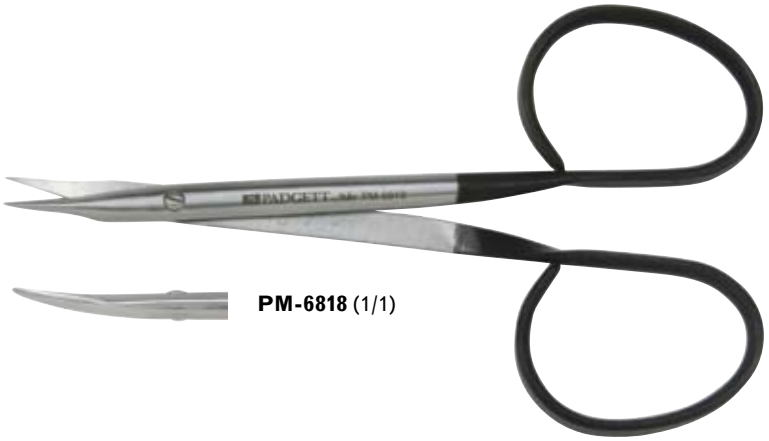


18-1652 (1/1)

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

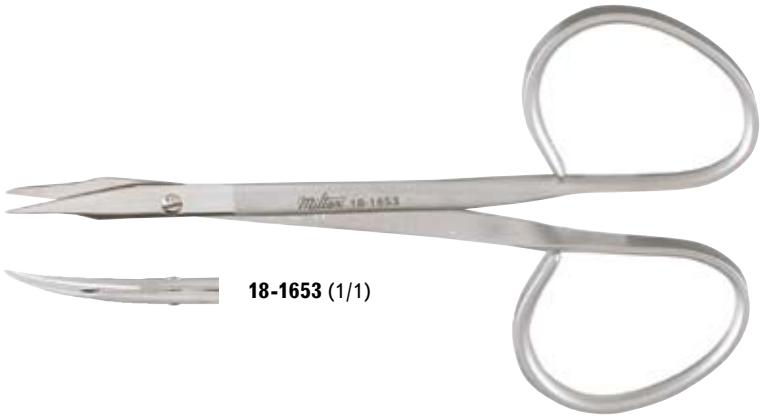
18-SC-1652 (1/1)

GRADLE Scissors, SuperCut
ribbon type, slightly curved, one micro fine serrated blade
PM-6818* 4" (10.2 cm), sharp tips



PM-6818 (1/1)

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



18-1653 (1/1)

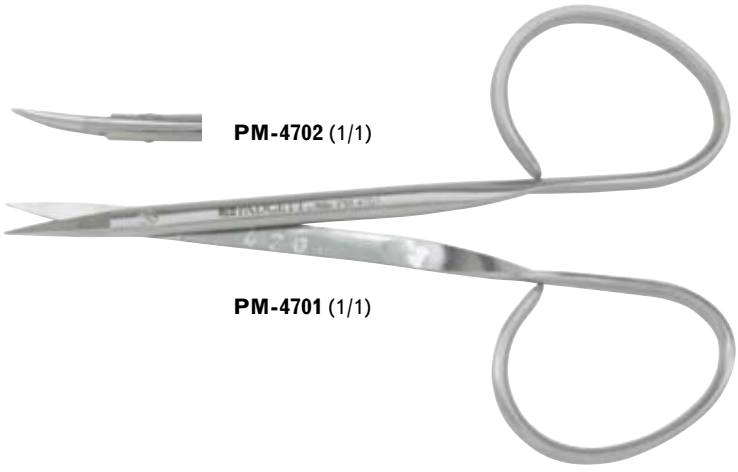
IRIS Scissors
sharp tips, small blades
18-1410 4-1/8" (10.5 cm), straight
18-1409 4-1/8" (10.5 cm), curved

18-1409 (1/1)

18-1410 (1/1)

PADGETT™ Iris Scissors
ribbon type, delicate short blades, sharp tips
PM-4701* 3-3/4" (9.5 cm), straight
PM-4702* 3-3/4" (9.5 cm), curved

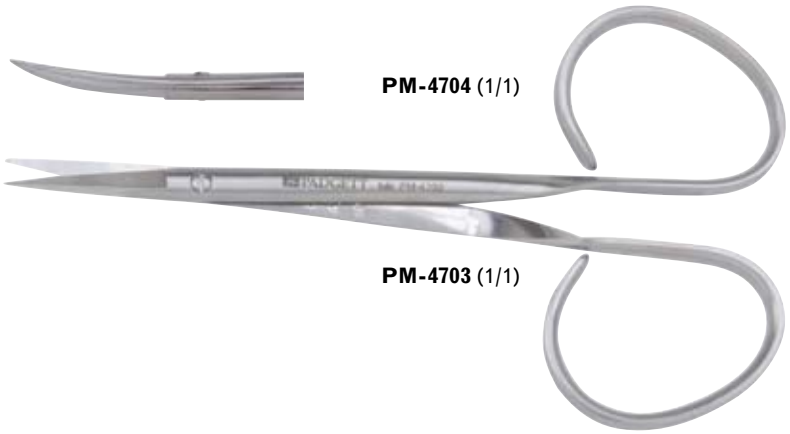
PM-4702 (1/1)



PM-4701 (1/1)

* PADGETT INSTRUMENTS® By Miltex

PADGETT™ Iris Scissors
delicate long blades, sharp tips
PM-4703* 3-3/4" (9.5 cm), straight
PM-4704* 3-3/4" (9.5 cm), curved



PM-4704 (1/1)

PM-4703 (1/1)

MILTEX-VANNAS Scissors
sharp tips, extra thin 7 mm long rounded blades
18-1636 4" (10.2 cm), straight
18-1635 4" (10.2 cm), curved

18-1635 (1/1)

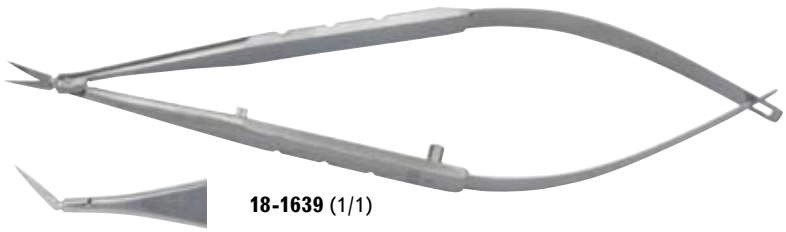
18-1636 (1/1)

MILTEX-VANNAS Scissors
sharp tips, extra thin 10 mm long rounded blades
18-1637 4-1/4" (10.8 cm), straight
18-1638 4-1/4" (10.8 cm), curved

18-1638 (1/1)

18-1637 (1/1)

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



18-1639 (1/1)

* PADGETT INSTRUMENTS® By Miltex

18-1626 (1/1)

McPHERSON-VANNAS Micro Iris Scissors
sharp tips
18-1625 3-1/4" (8.3 cm), straight
18-1626 3-1/4" (8.3 cm), curved

18-1625 (1/1)

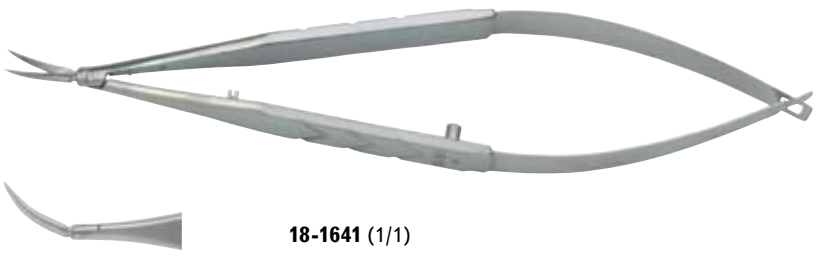
18-1631 (1/1)

Micro VANNAS Scissors
sharp tips, ultrafine triangular arrow shaped blades
18-1630 3-1/4" (8.3 cm), straight
18-1631 3-1/4" (8.3 cm), curved

18-1630 (1/1)

18-1640 (1/1)

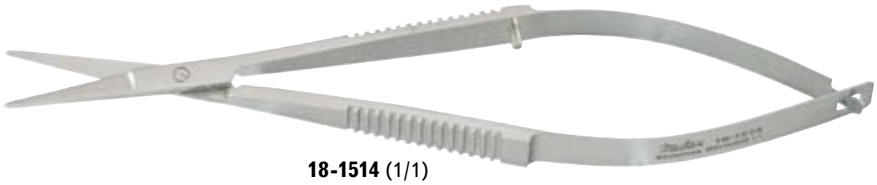
STERN-GILLS Scissors
sharp tips, extra thin 10 mm long rounded blades
18-1640 4-1/8" (10.5 cm), straight, angled forward



18-1641 (1/1)

URIBE-STERN Scissors
sharp tips, extra thin 10 mm long rounded blades
18-1641 4-1/8" (10.5 cm), curved, angled forward

NOYES Iris Scissors
straight
18-1514 4-1/2" (11.4 cm), blunt/blunt tips
18-1512 4-1/2" (11.4 cm), sharp/blunt tips
18-1510 4-1/2" (11.4 cm), sharp/sharp tips



18-1514 (1/1)

18-1512 (1/1)

18-1510 (1/1)

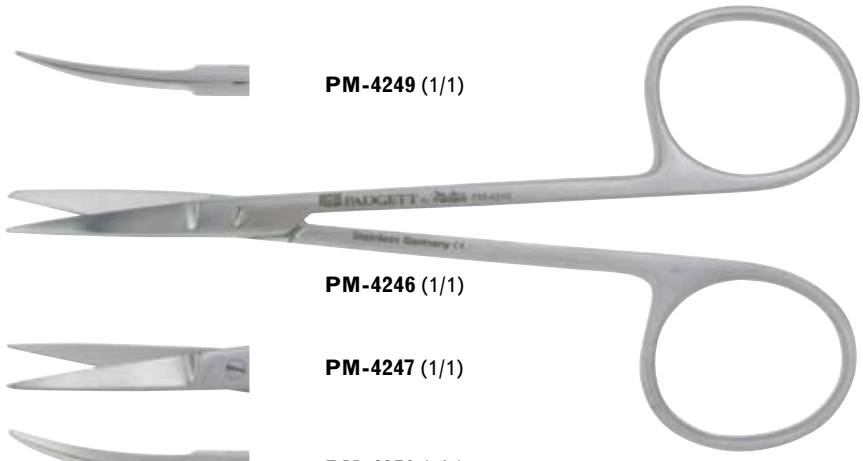
NOYES (ROSS) Iris Scissors
curved
18-1516 4-1/2" (11.4 cm), sharp/sharp tips

18-1516 (1/1)

PADGETT™ Iris Scissors
PM-4246* 4-1/2" (11.4 cm), straight, sharp/blunt tips
PM-4249* 4-1/2" (11.4 cm), curved, sharp/blunt tips

PM-4247* 4-1/2" (11.4 cm), straight, blunt/blunt tips
PM-4250* 4-1/2" (11.4 cm), curved, blunt/blunt tips

PM-4249 (1/1)



PM-4246 (1/1)

PM-4247 (1/1)

PM-4250 (1/1)

BARRAQUER Iris Scissors
7 mm blades, angled
18-1520 2-1/4" (5.7 cm), sharp tips
18-1521 2-1/4" (5.7 cm), blunt tips

18-1520 (1/1)
18-1521 (not shown)

* PADGETT INSTRUMENTS® By Miltex

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

18-1524 (1/1)

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

18-1550 (1/1)

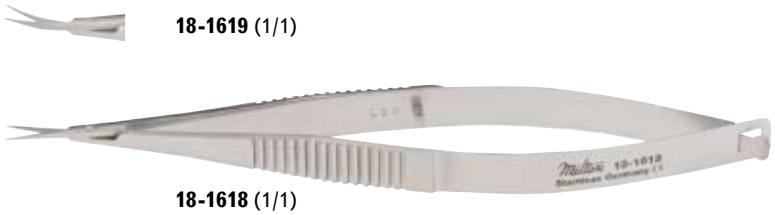
McCLURE Iris Scissors
delicate 4 mm blades with sharp tips
18-1552 3-3/4" (9.5 cm), angled on flat

18-1552 (1/1)

McCLURE Iris Scissors
regular 10 mm blades with sharp tips
18-1554 4-1/2" (11.4 cm), angled on flat

18-1554 (1/1)

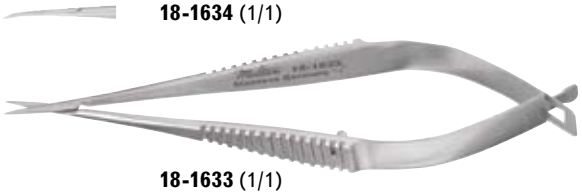
MICRO Iris Scissors
sharp tips
18-1618 4" (10.2 cm), straight
18-1619 4" (10.2 cm), curved



18-1619 (1/1)

18-1618 (1/1)

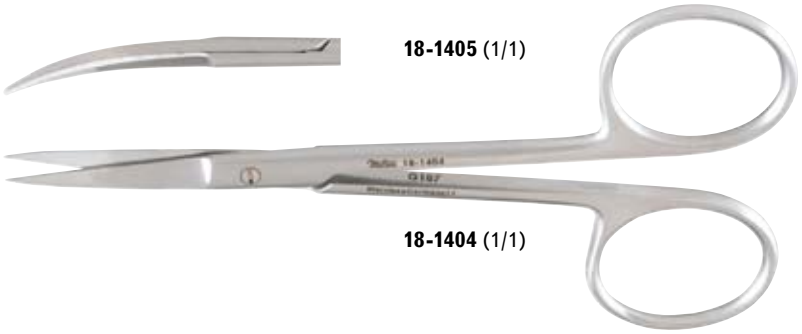
MICRO Scissors
super fine blades
18-1633 3-1/4" (8.3 cm), straight
18-1634 3-1/4" (8.3 cm), curved



18-1634 (1/1)

18-1633 (1/1)

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



18-1405 (1/1)

18-1404 (1/1)

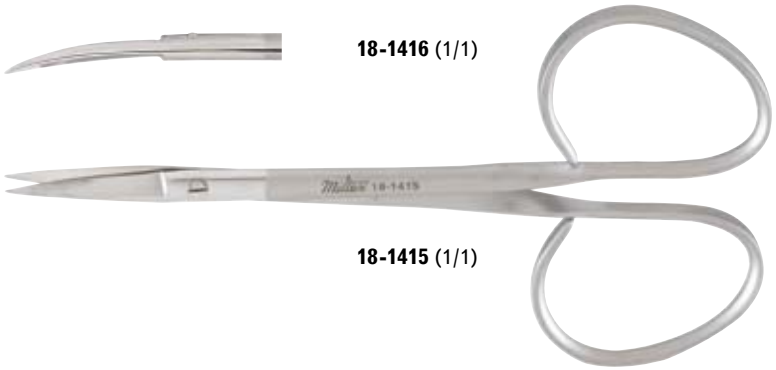
PADGETT™ Iris Scissors, Tungsten Carbide
sharp tips, rounded blades
PM-2706* 4-1/2" (11.4 cm), straight
PM-2705* 4-1/2" (11.4 cm), curved

PM-2705 (1/1)

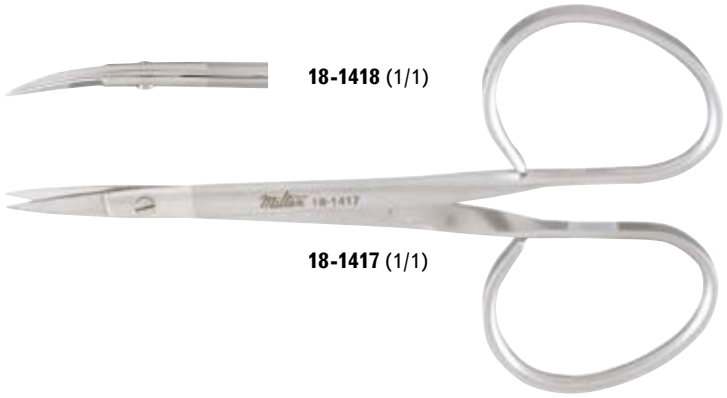
PM-2706 (1/1)

* PADGETT INSTRUMENTS® By Miltex

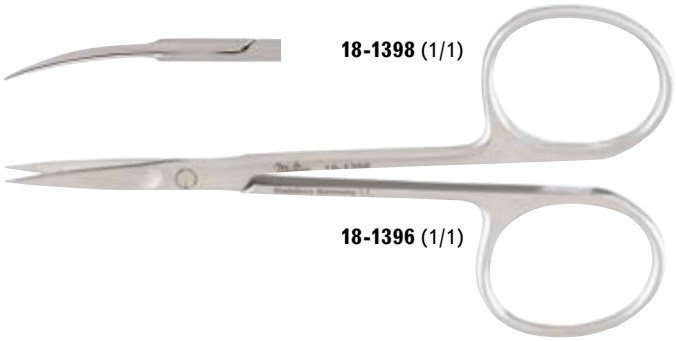
IRIS Scissors
ribbon type, standard pattern, sharp tips
18-1415 4" (10.2 cm), straight
18-1416 4" (10.2 cm), curved



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

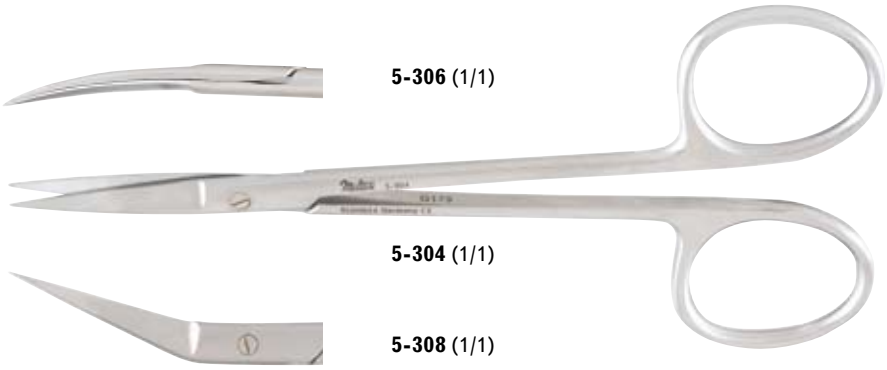


IRIS Scissors
delicate, with 20 mm blades, sharp tips
18-1396 3-1/2" (8.9 cm), straight
18-1398 3-1/2" (8.9 cm), curved



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



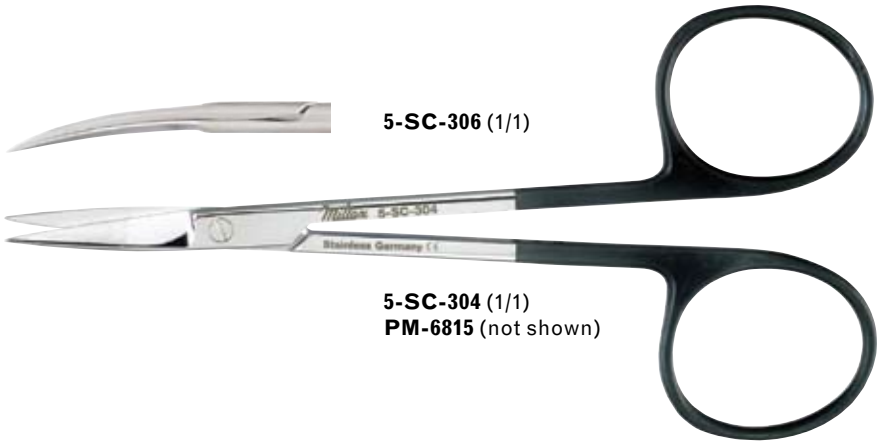
5-306 (1/1)
5-304 (1/1)
5-308 (1/1)

IRIS Scissors, Tungsten Carbide
5-304TC 4-1/2" (11.4 cm), straight
5-306TC 4-1/2" (11.4 cm), curved

5-306TC (1/1)
5-304TC (1/1)

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

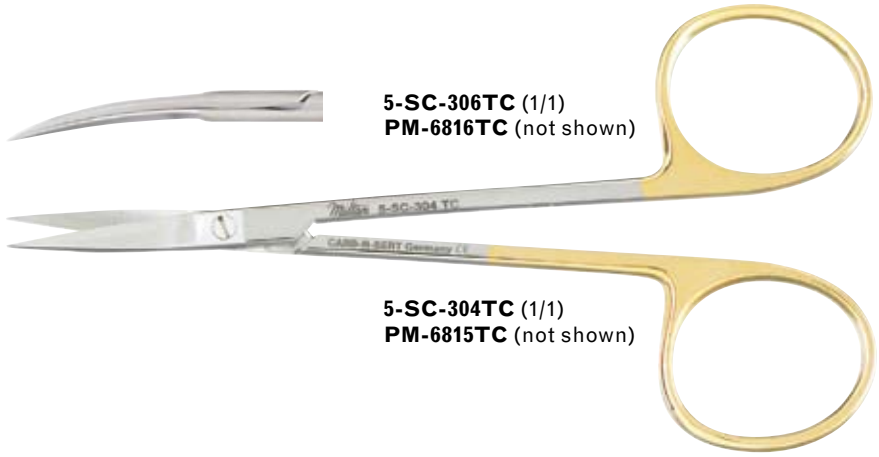
PM-6815* 4-1/2" (11.4 cm), straight



5-SC-306 (1/1)
5-SC-304 (1/1)
PM-6815 (not shown)

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



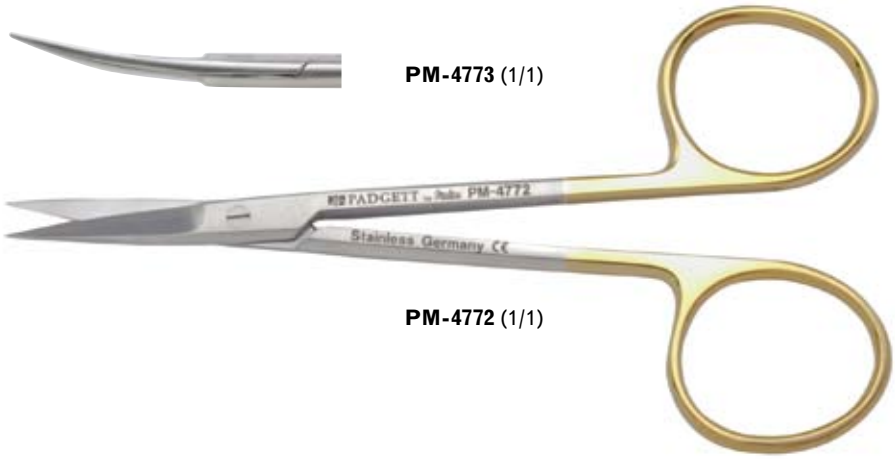
5-SC-306TC (1/1)
PM-6816TC (not shown)
5-SC-304TC (1/1)
PM-6815TC (not shown)

* PADGETT INSTRUMENTS® By Miltex

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

18-1419 (1/1)

HOOD Iris Scissors, Tungsten Carbide
sharp tips, square shanks
PM-4772* 4-1/2" (11.4 cm), straight
PM-4773* 4-1/2" (11.4 cm), curved



PM-4773 (1/1)

PM-4772 (1/1)

THOMAS Iris Scissors
delicate blades, semi-sharp tips
PM-3100* 4-1/2" (11.4 cm), straight
PM-3102* 4-1/2" (11.4 cm), curved

PM-3102 (1/1)

PM-3100 (1/1)

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

PM-4635 (1/1)

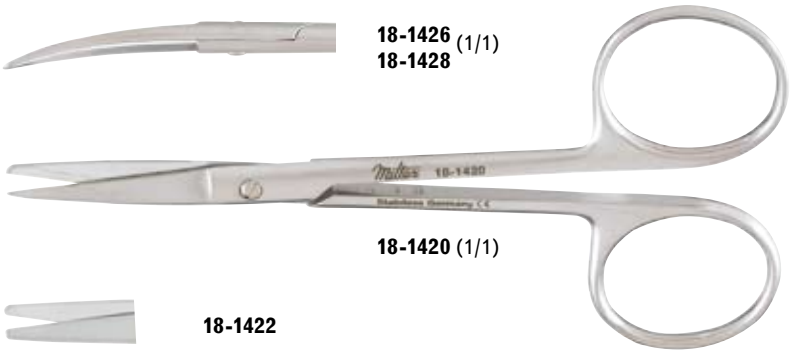
GRAUL Iris Scissors
delicate blades, sharp tips, large finger rings
PM-4931* 4" (10.2 cm), straight
PM-4930* 4" (10.2 cm), curved

PM-4930 (1/1)

PM-4931 (1/1)

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

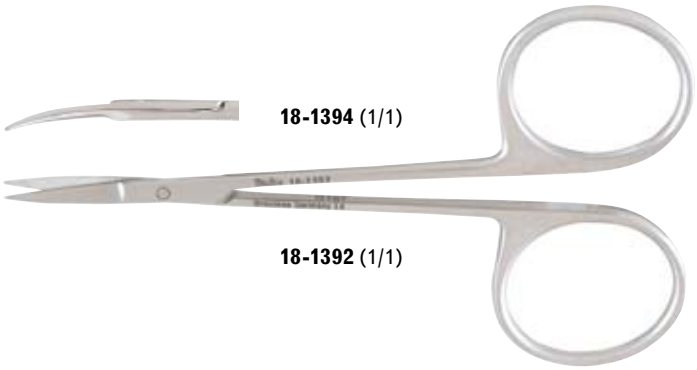


18-1426 (1/1)
18-1428

18-1420 (1/1)

18-1422

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



18-1394 (1/1)

18-1392 (1/1)

EYE Scissors
with probe tips
18-1430 4" (10.2 cm), straight
18-1432 4" (10.2 cm), curved

18-1432 (1/1)

18-1430 (1/1)

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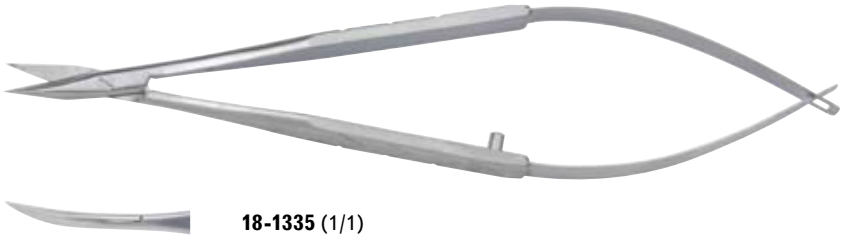
EYE Scissors
with probe tips
5-310 4-1/2" (11.4 cm), angled on side

5-310 (1/1)

IRIS Operating Scissors
sharp tips
5D-303 4-1/2" (11.4 cm), curved sideways

5D-303 (1/1)

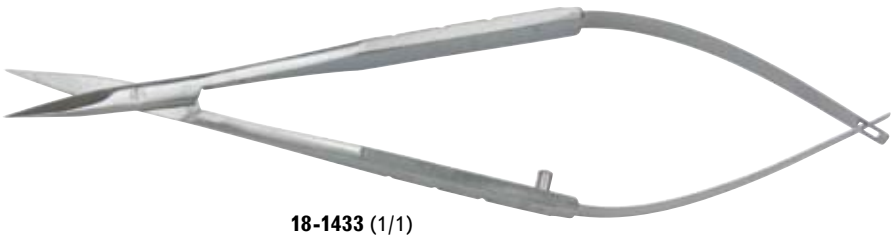
JAFFE Stitch Scissors
very sharp pointed tips, medium rounded blades
18-1335 4-1/4" (10.8 cm), curved



18-1335 (1/1)

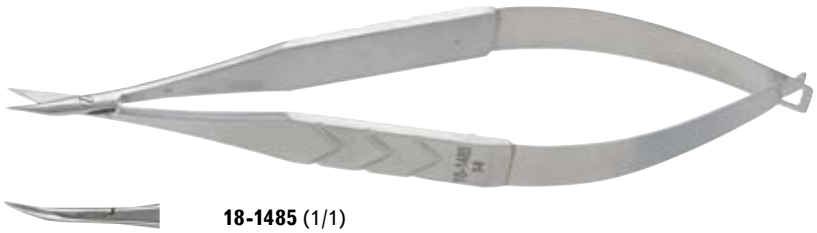
18-1434 (1/1)

FINE Stitch Scissors
sharp tips, medium blades
18-1433 4-1/2" (11.4 cm), straight
18-1434 4-1/2" (11.4 cm), curved



18-1433 (1/1)

McPHERSON-WESTCOTT Stitch Scissors
very sharp tips, small blades
18-1485 4-1/8" (10.5 cm), curved



18-1485 (1/1)

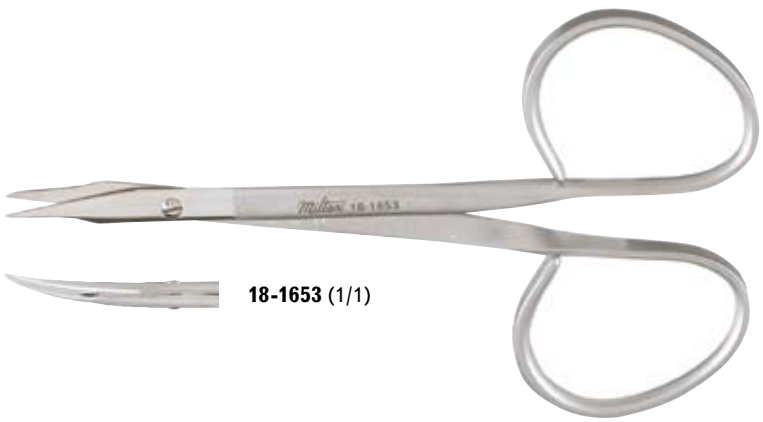
EYE SUTURE (GRADLE) Scissors
sharp tips
18-1652 3-3/4" (9.5 cm), slightly curved

18-1652 (1/1)

EYE SUTURE (GRADLE) Scissors, SuperCut
blunt tips, one micro fine serrated blade
18-SC-1652 3-3/4" (9.5 cm), slightly curved

18-SC-1652 (1/1)

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

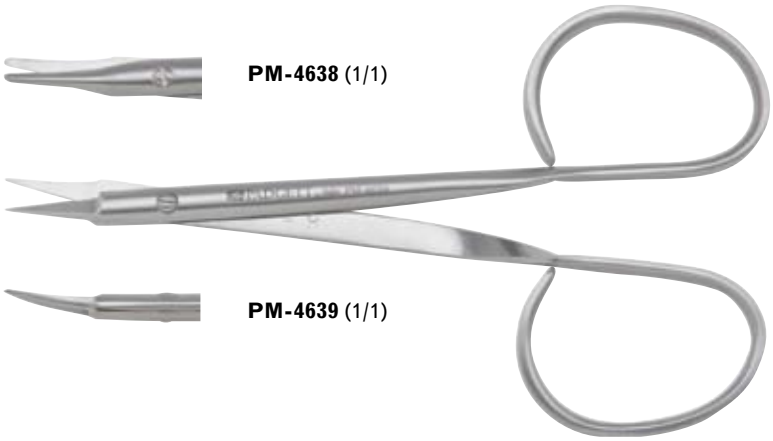


18-1653 (1/1)

HAYNES Suture Scissors
ribbon type, sharp tips
PM-4648* 4-3/8" (11.1 cm), curved

PM-4648 (1/1)

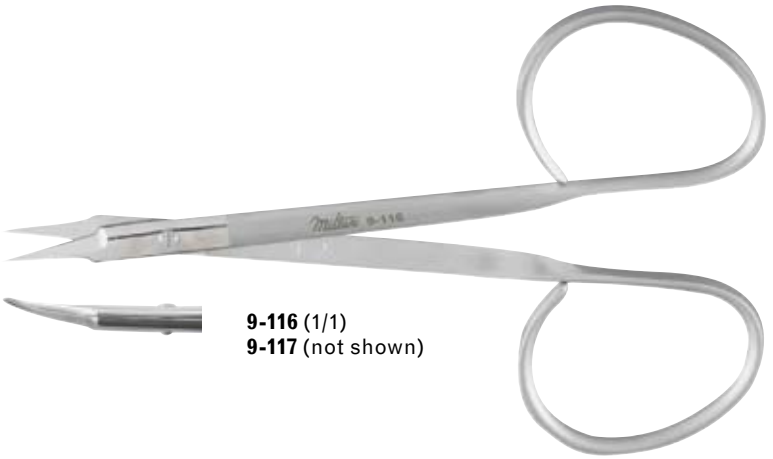
PADGETT™ Suture/Stitch Scissors
ribbon type, short blades, curved
PM-4638* 3-7/8" (9.8 cm), blunt tips, rounded blades
PM-4639* 3-7/8" (9.8 cm), sharp tips, flat blades



PM-4638 (1/1)

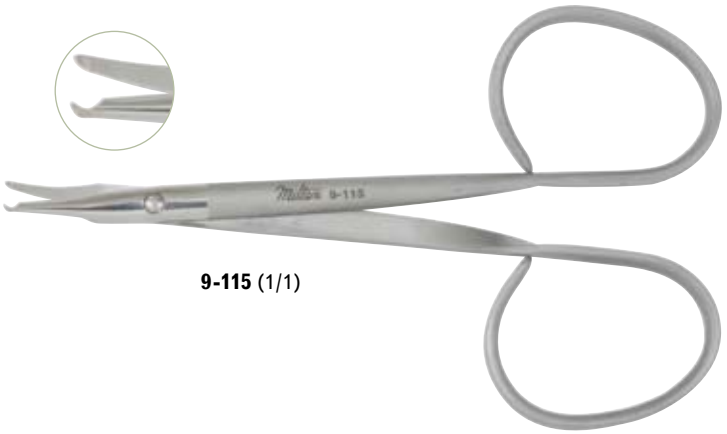
PM-4639 (1/1)

MILTEX® Stitch Scissors
ribbon type, sharp tips
9-116 3-7/8" (9.8 cm), curved
9-117 4-1/2" (11.4 cm), curved



9-116 (1/1)
9-117 (not shown)

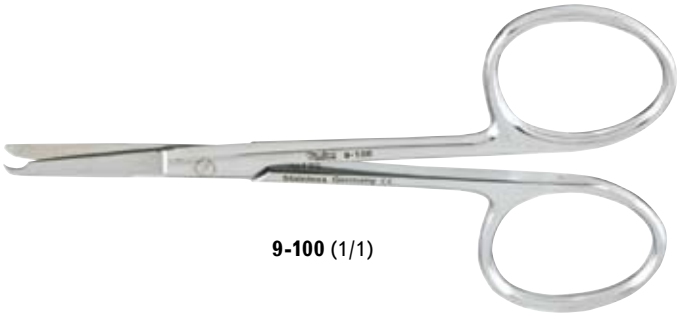
REEH Stitch Scissors
ribbon type, sharp tips with extra delicate hook at the end of one blade
9-115 3-3/4" (9.5 cm)



9-115 (1/1)

* PADGETT INSTRUMENTS® By Miltex

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



9-100 (1/1)

SPENCER Stitch Scissors
delicate, with hook
PM-6751* 3-1/2" (8.9 cm), curved on flat

PM-6751 (1/1)

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

9-101 (1/1)

O'BRIEN Stitch Scissors
sharp tips
9-110 3-3/4" (9.5 cm), angled

9-110 (1/1)

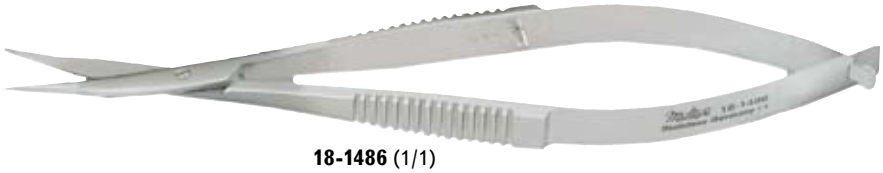
* PADGETT INSTRUMENTS® By Miltex

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

PM-4956 (1/1)

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

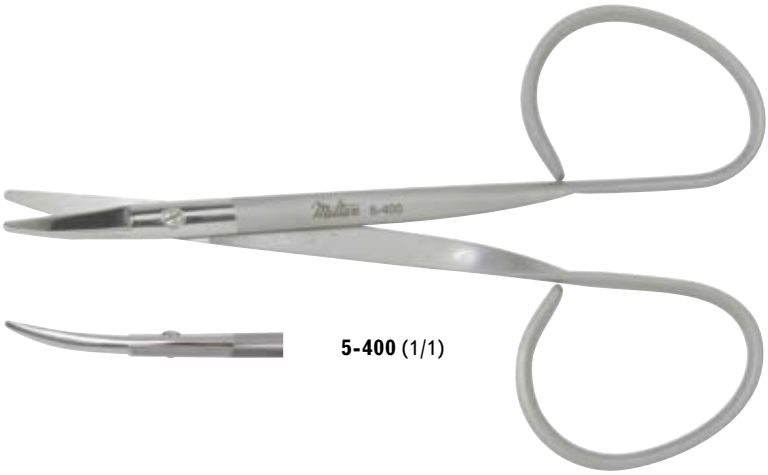
18-1480 (1/1)



18-1486 (1/1)

18-1486
18-1480 (1/1)

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



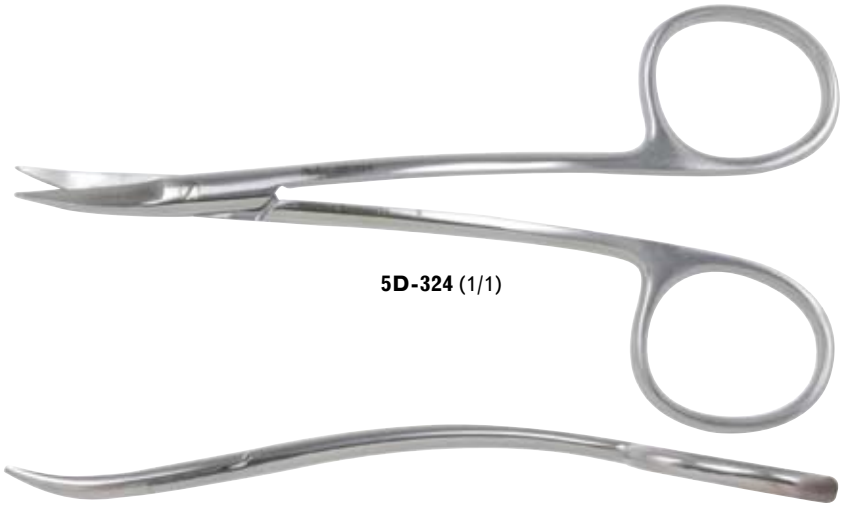
5-400 (1/1)

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

PM-4718 (1/1)

* PADGETT INSTRUMENTS® By Miltex

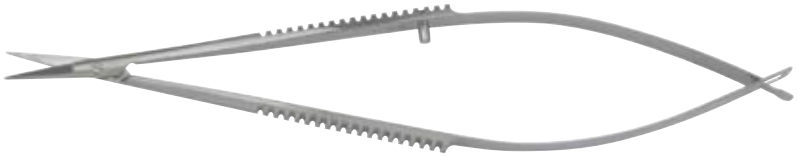
LA GRANGE Sclerectomy Scissors
sharp tips, one serrated blade, S-shape
5D-324 4-1/4" (10.8 cm), curved



5D-324 (1/1)

PM-4957 (1/1)

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

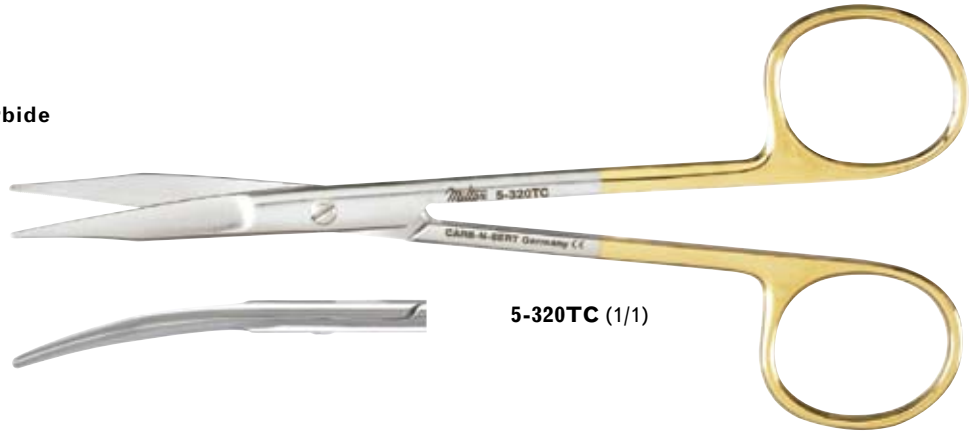


PM-4958 (1/1)

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

5-320 (1/1)

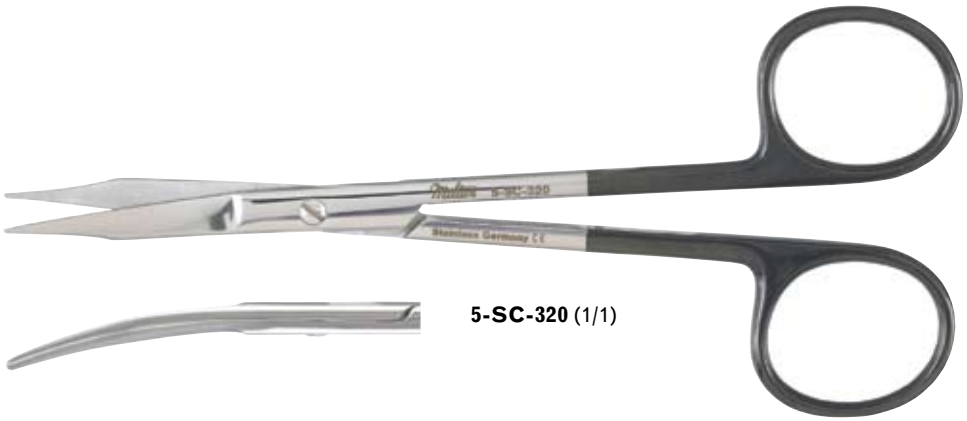
GOLDMAN-FOX Scissors, Tungsten Carbide
fine blunt tips, one serrated blade
5-320TC 5" (12.7 cm), curved



5-320TC (1/1)

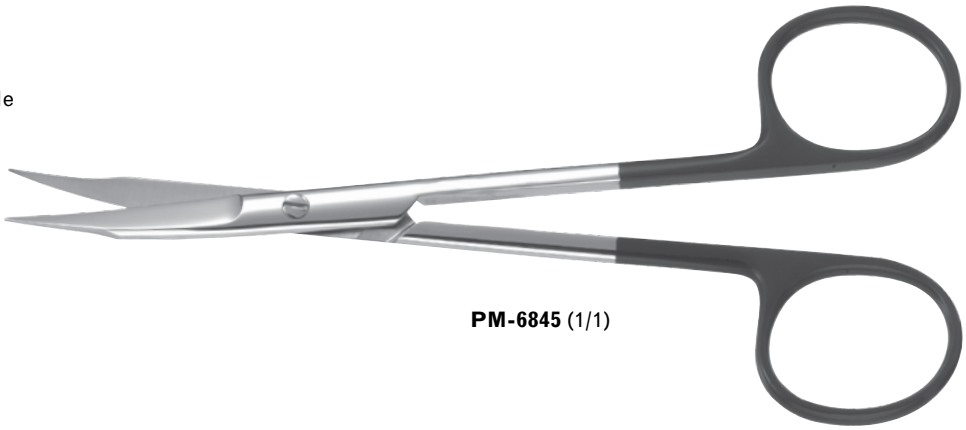
* PADGETT INSTRUMENTS® By Miltex

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



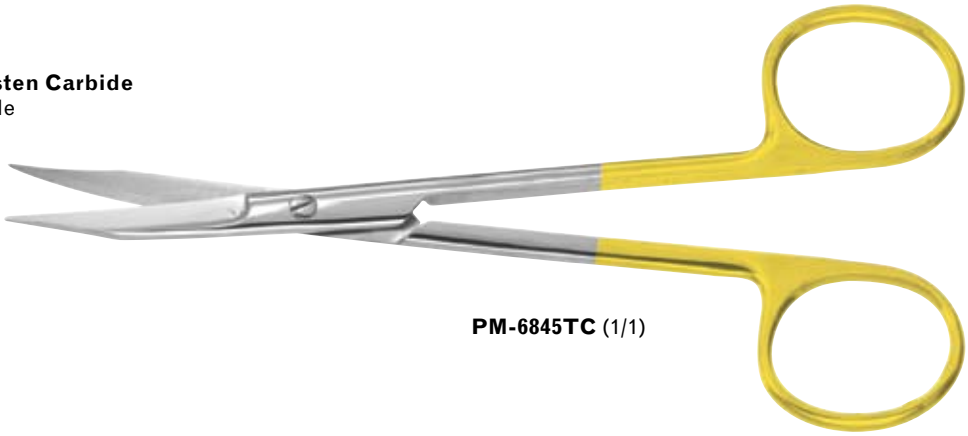
5-SC-320 (1/1)

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



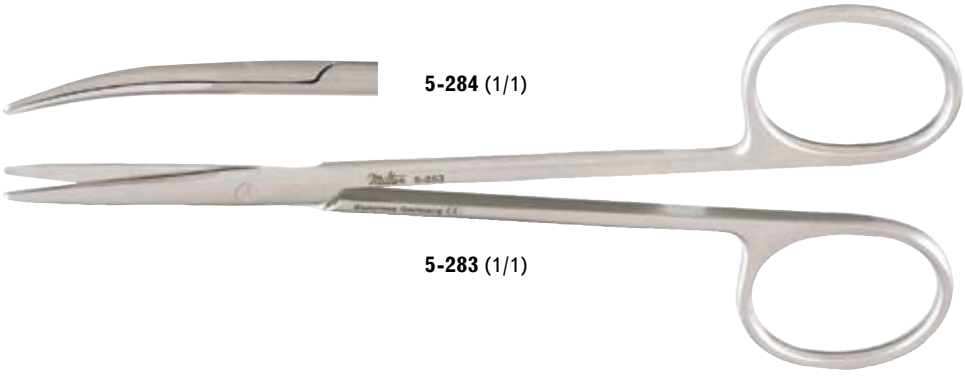
PM-6845 (1/1)

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



PM-6845TC (1/1)

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



5-284 (1/1)

5-283 (1/1)

* PADGETT INSTRUMENTS® By Miltex

METZENBAUM Scissors, SuperCut
delicate, one micro fine serrated blade
5-SC-283 4-1/2" (11.4 cm), straight
5-SC-284 4-1/2" (11.4 cm), curved

5-SC-284 (1/1)

5-SC-283 (1/1)

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

5-290 (1/1)

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

5-SC-290 (1/1)

PAR Tissue & Dissecting Scissors, SuperCut
delicate blades with blunt tips, one micro fine serrated blade
21-SC-745 4-1/2" (11.4 cm), curved
PM-6855* 4-1/2" (11.4 cm), curved
PM-6856* 5-1/2" (14.0 cm), curved

21-SC-745 (1/1)

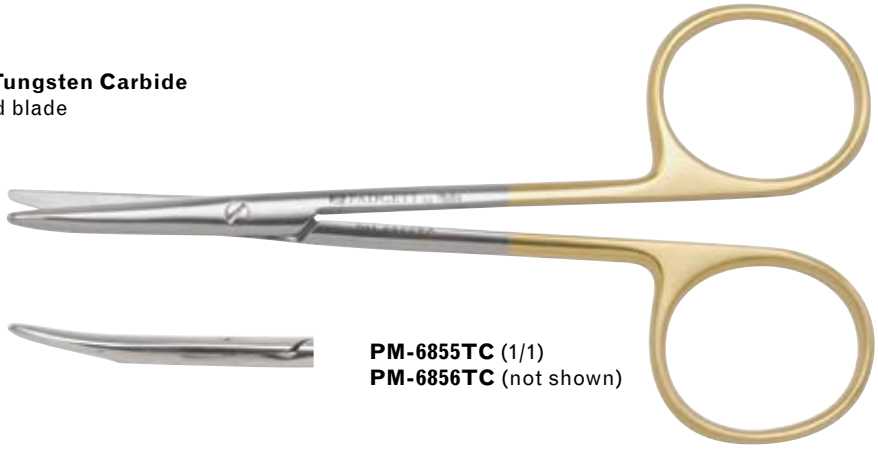
PM-6855 & PM-6856 (not shown)

* PADGETT INSTRUMENTS® By Miltex

PAR Tissue & Dissecting Scissors, Tungsten Carbide
delicate blades with blunt tips
PM-2930* 4-1/2" (11.4 cm), curved
PM-2911* 5-3/4" (14.6 cm), curved

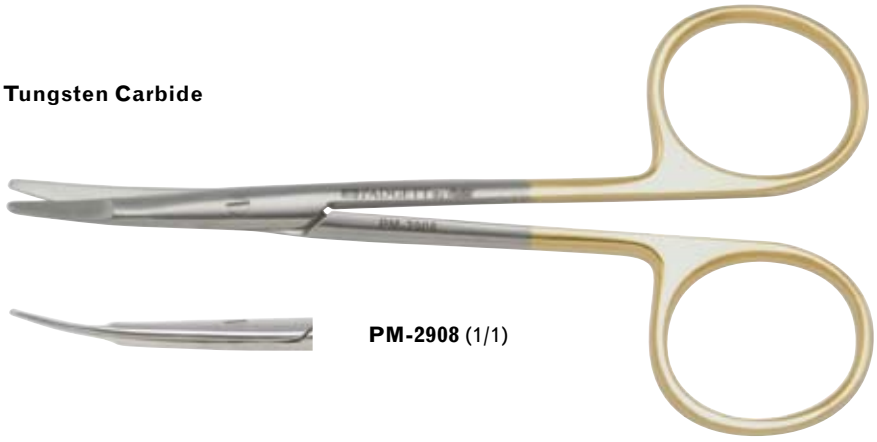
PM-2930 (1/1)
PM-2911 (not shown)

PAR Tissue & Dissecting Scissors, SuperCut & Tungsten Carbide
delicate blades with blunt tips, one micro fine serrated blade
PM-6855TC* 4-1/2" (11.4 cm), curved
PM-6856TC* 5-1/2" (14.0 cm), curved



PM-6855TC (1/1)
PM-6856TC (not shown)

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



PM-2908 (1/1)

KAYE Blepharoplasty/Dissecting Scissors, Tungsten Carbide
one serrated blade
5-269TC 4-1/2" (11.4 cm), curved
PM-29065* 4-1/2" (11.4 cm), curved

5-269TC (1/1)
PM-29065 (not shown)

* PADGETT INSTRUMENTS® By Miltex

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

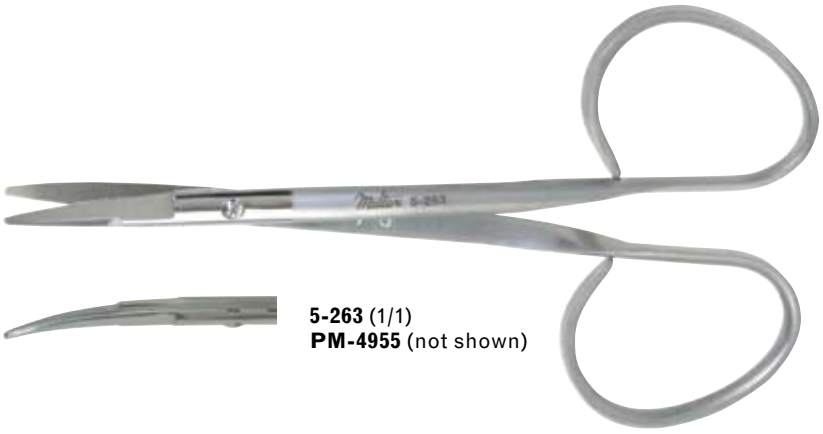
PM-6862 (1/1)

PM-6863 (1/1)

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

21-537TC (1/1)
PM-6435 (not shown)

KAYE Blepharoplasty & Fine Dissecting Scissors
ribbon type, one serrated blade
5-263 4-1/4" (10.8 cm), curved
PM-4955* 4-1/4" (10.8 cm), curved



5-263 (1/1)
PM-4955 (not shown)

* PADGETT INSTRUMENTS® By Miltex

Needle Holders

BARRAQUER Needle Holder
delicate smooth jaws
18-1852 5-1/2" (14 cm), straight, with lock
18-1853 5-1/2" (14 cm), curved, with lock

18-1850 5-1/2" (14 cm), straight, without lock
18-1854 5-1/2" (14 cm), curved, without lock

18-1853 (1/1)
18-1854 (not shown)

18-1852 (1/1)
18-1850 (not shown)

BARRAQUER Needle Holder
curved, standard smooth jaws
18-1856 5-1/2" (14 cm), with lock
18-1857 5-1/2" (14 cm), without lock

18-1856 (1/1)
18-1857 (not shown)

BARRAQUER Needle Holder
curved, smooth jaws,
10 mm wide hollow round handle
18-1839 5" (12.7 cm), with lock
18-1838 5" (12.7 cm), without lock

18-1839 (1/1)
18-1838 (not shown)

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

18-1840 (1/1)

DREWS Needle Holder
extra delicate smooth jaws
18-1860 4" (10.2 cm), straight, without lock
18-1861 4" (10.2 cm), curved, without lock

18-1862 4" (10.2 cm), straight, with lock
18-1863 4" (10.2 cm), curved, with lock

18-1860 (1/1)
18-1862 (not shown)

18-1863 (1/1)
18-1861 (not shown)

McPHERSON Needle Holder
very delicate smooth jaws, without lock
18-1864 4-1/2" (11.4 cm), straight
18-1865 4-1/2" (11.4 cm), curved

18-1865 (1/1)

18-1864 (1/1)

McPHERSON Needle Holder
very delicate smooth jaws, with lock
18-1866 4-1/2" (11.4 cm), straight
18-1867 4-1/2" (11.4 cm), curved

18-1866 (1/1)
18-1867 (not shown)

McPHERSON Needle Holder for Microsurgery
smooth tapered jaws, with lock
18-1837 4" (10.2 cm), curved

18-1837 (1/1)

MILTEX® Micro Surgery Needle Holders
curved, smooth jaws with 0.6 mm tips,
hollow round handles

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

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

CASTROVIEJO Needle Holder
smooth jaws, without lock

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

(1/1)

18-1820 (1/1)
18-1824

CASTROVIEJO Needle Holder
smooth jaws, with lock

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

(1/1)

18-1828 (1/1)
18-1832

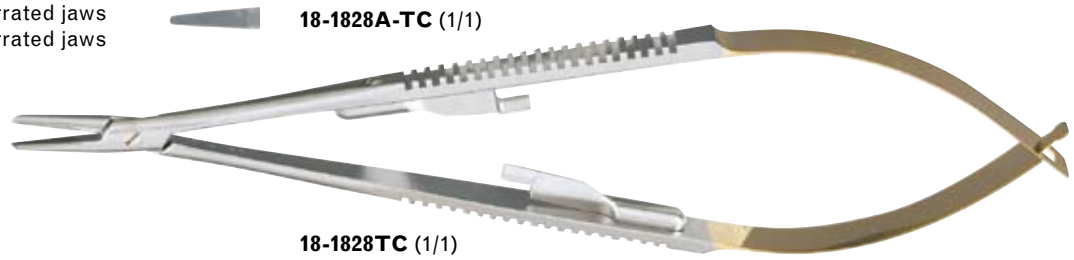
CASTROVIEJO Needle Holder, Tungsten Carbide
straight, with lock

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

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

18-1828TC (1/1)

18-1828A-TC (1/1)



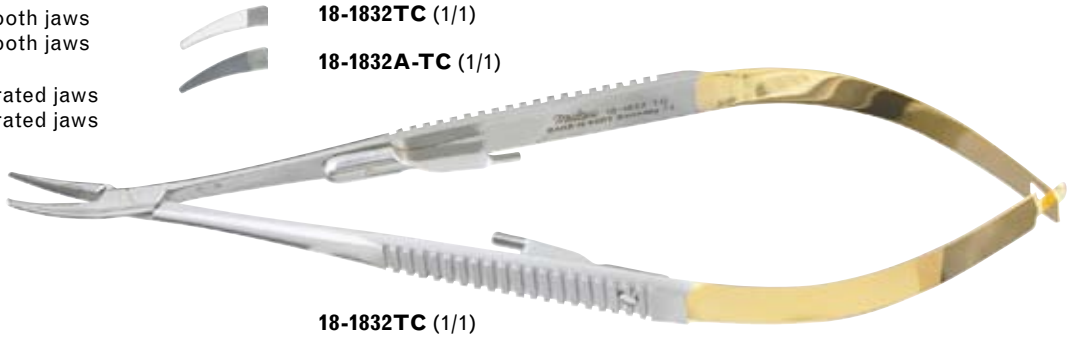
18-1828TC (1/1)
PM-2445 & PM-2440 (not shown)

* PADGETT INSTRUMENTS® By Miltex

CASTROVIEJO Needle Holder, Tungsten Carbide
curved, with lock

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

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



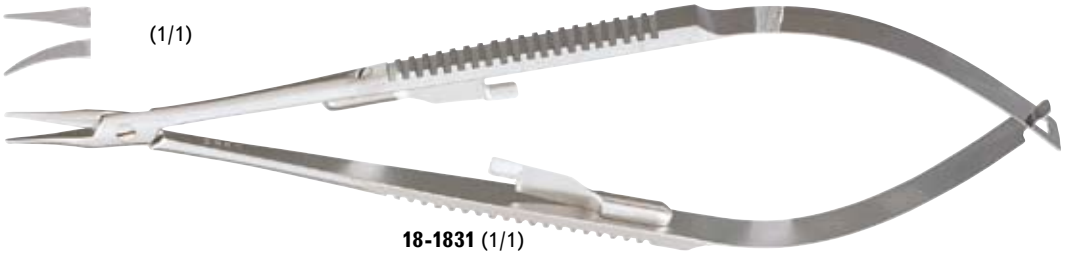
18-1832TC (1/1)

18-1832A-TC (1/1)

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

CASTROVIEJO Needle Holder
extra delicate smooth jaws, with lock

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

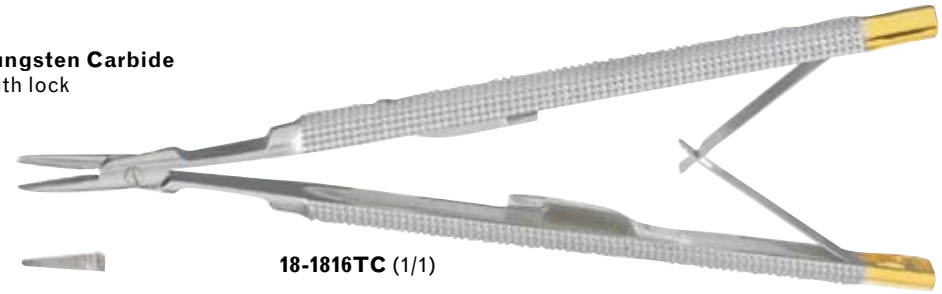


(1/1)

18-1831 (1/1)
18-1833

MILTEX-CASTROVIEJO Needle Holder, Tungsten Carbide
delicate smooth jaws, round hollow handles, with lock

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



18-1816TC (1/1)

PADGETT-CASTROVIEJO Needle Holder
extra delicate smooth jaws, flat handles, with lock
holds 7/0 sutures

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

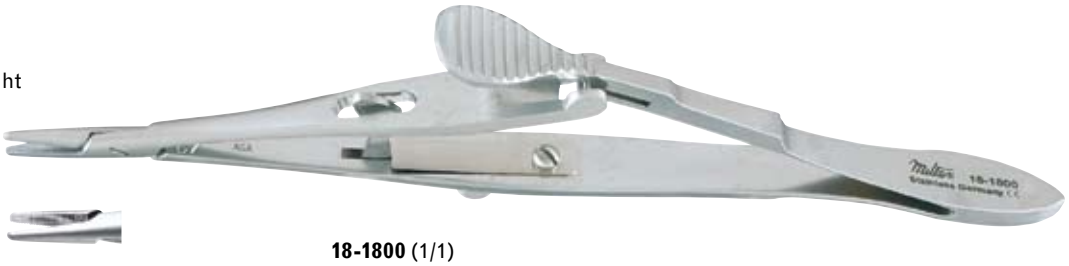
PM-4709

* PADGETT INSTRUMENTS® By Miltex®

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

18-1834 (1/1)

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

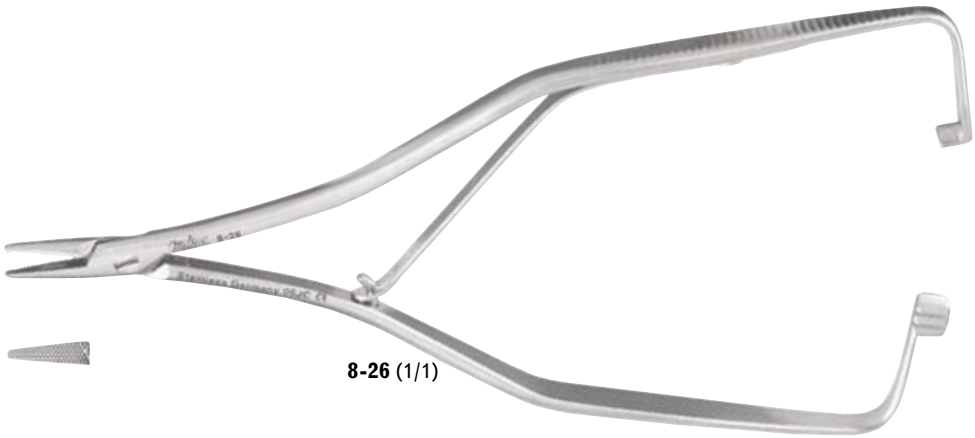


18-1800 (1/1)

GREEN Needle Holder & Suturing Forceps
serrated jaws, double ended with serrations on
handle tips for gripping, without lock
18-1810 4-1/4" (10.8 cm), angled

18-1810 (1/1)

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



8-26 (1/1)

PAR Needle Holder, Tungsten Carbide
delicate serrated jaws, straight

8-3TC	4-1/2" (11.4 cm)
PM-2404*	4-3/4" (12.1 cm)
8-5TC	5" (12.7 cm)
PM-2414*	5-1/4" (13.3 cm)

8-3TC (1/1)
8-5TC, PM-2404 & PM-2414 (not shown)

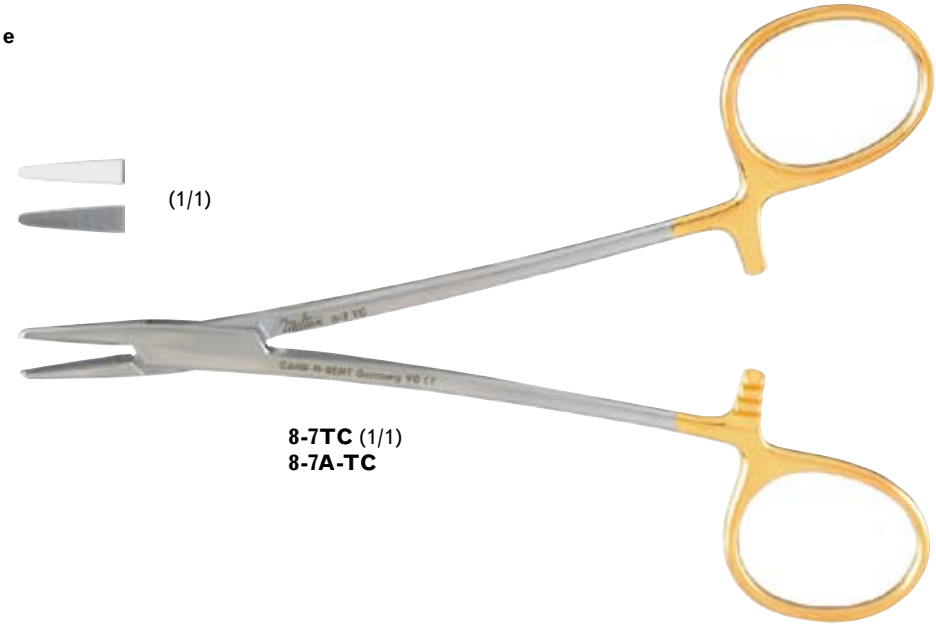
WEBSTER Needle Holder, Tungsten Carbide
delicate smooth jaws, straight

8-6TC	5-1/4" (13.3 cm)
PM-2405*	4-3/4" (12.1 cm)

8-6TC (1/1)
PM-2405 (not shown)

* PADGETT INSTRUMENTS® By Miltex®

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



(1/1)

8-7TC (1/1)
8-7A-TC

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

8-14TC (1/1)
PM-2169

8-14A-TC (1/1)
PM-2165

8-14TC (1/1)

* PADGETT INSTRUMENTS® By Miltex®

Lacrimal Instruments

Dilators

Probes

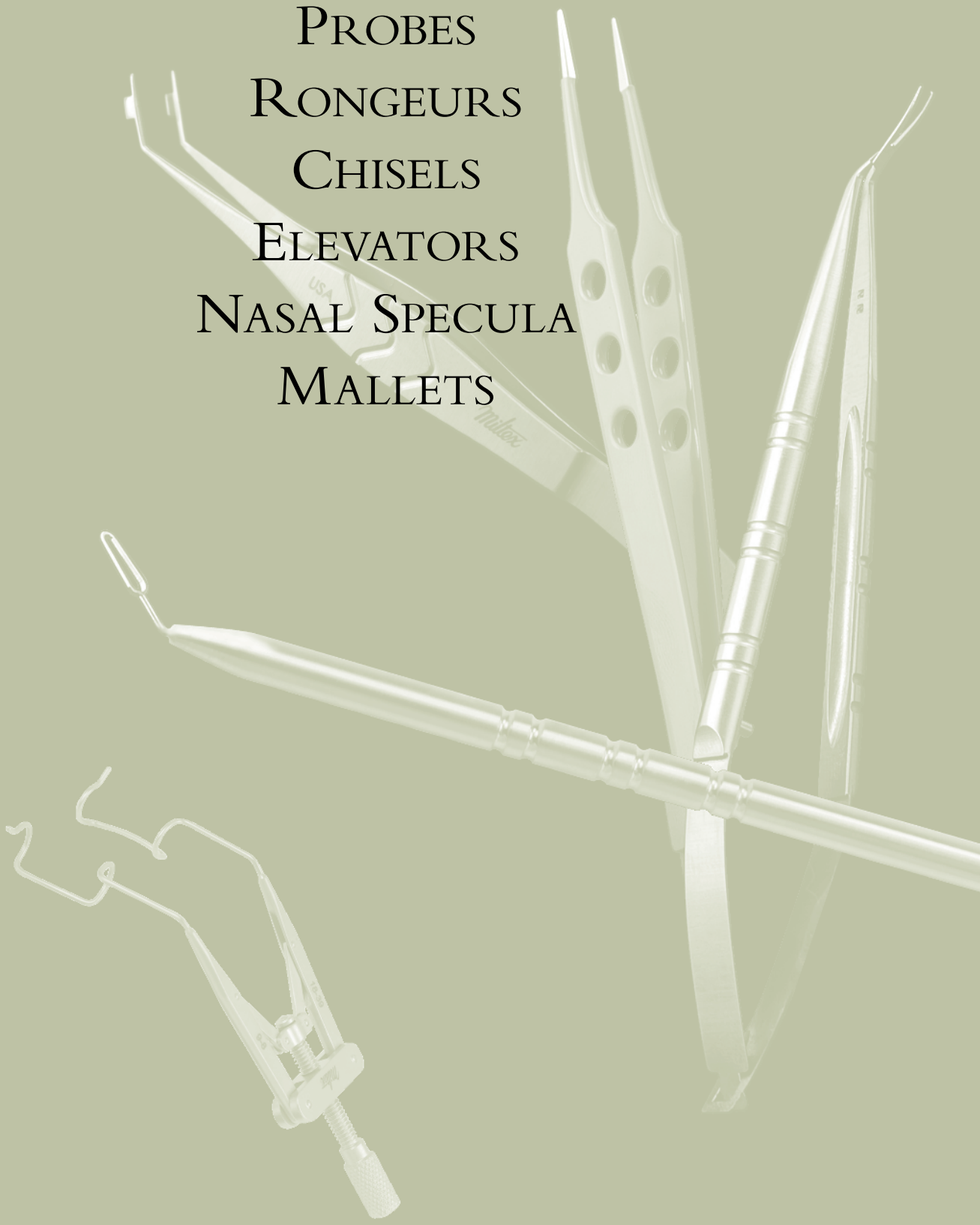
Rongeurs

Chisels

Elevators

Nasal Specula

Mallets



ZIEGLER Lacrimal Dilator
double ended
18-680 5-1/2" (14.0 cm)

18-680

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

18-688

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

18-691

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

18-692

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

18-694

18-696

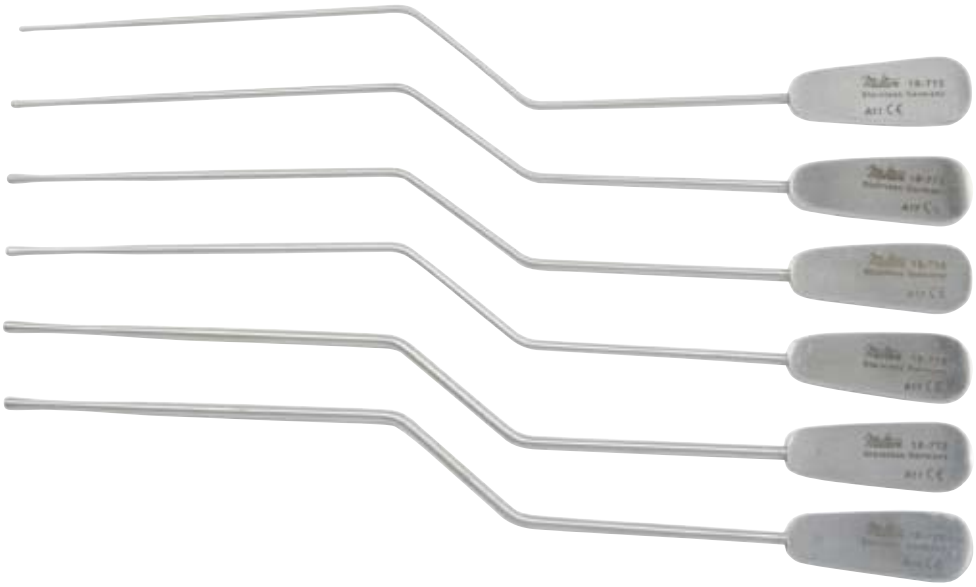
18-698

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

18-700

FRENCH PATTERN Lacrimal Probe
bayonet shape

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



WILLIAMS Lacrimal Probe
sterling, double ended

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

BOWMAN Lacrimal Probe
sterling, double ended

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

WORST Pigtail Probe
for reconstruction of a torn tear duct

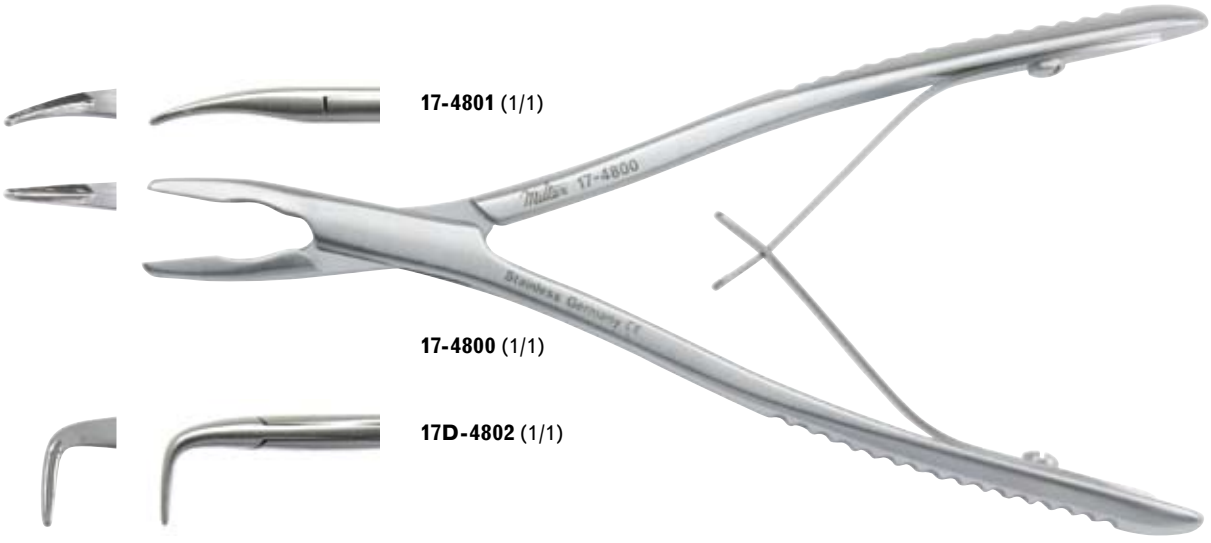
PM-4739HK*	6" (15.2 cm), with hook and spiral probe
PM-4739HL*	6" (15.2 cm), with hole and silicone cannula
PM-4740*	Spare Tubing for PM-4739HK & PM-4739HL

PM-4740

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

Micro FRIEDMAN Rongeur
1.3 mm wide jaws, very delicate

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



17-4801 (1/1)

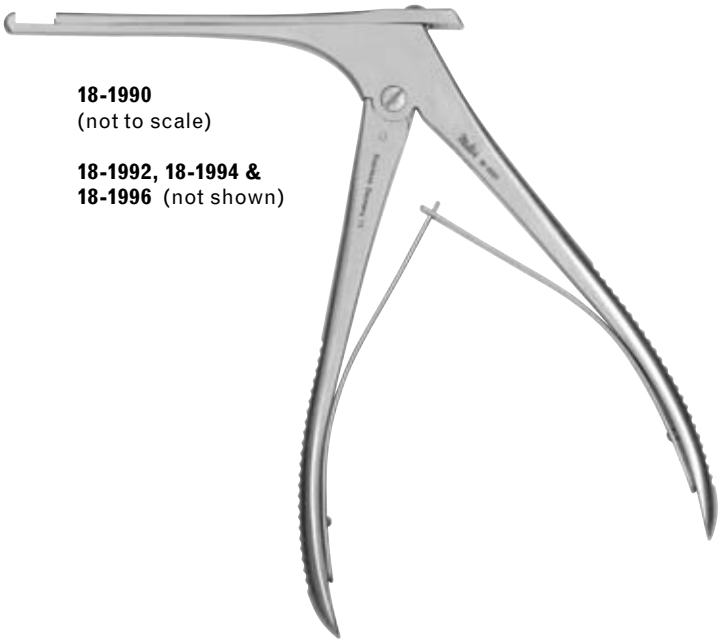
17-4800 (1/1)

17D-4802 (1/1)

* PADGETT INSTRUMENTS® By Miltex

KERRISON Rongeur

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



18-1990
(not to scale)

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

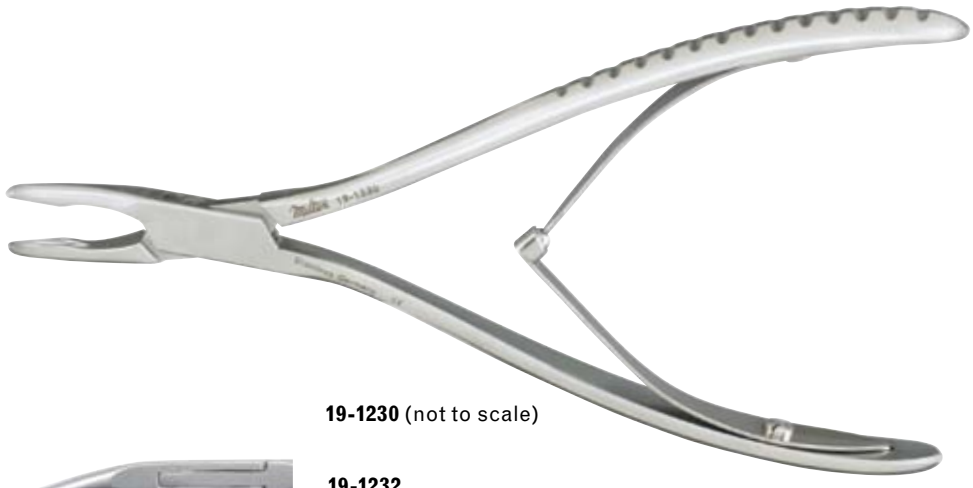
BEYER Rongeur

3 mm bite, double action
19-844 7" (17.8 cm), slightly curved

19-844 (not to scale)

LEMPERT Rongeur

2.5 mm bite, delicate
19-1230 6-1/4" (15.9 cm), straight
19-1232 6-1/4" (15.9 cm), curved



19-1230 (not to scale)

19-1232

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

18-1960

WEST Lacrimal Sac Chisel/Gouge
distal working end serrated for bone tamping and mallet interface control
18-1962 6-1/4" (15.9 cm), straight, 5.0 mm wide, chisel
18-1964 6-1/4" (15.9 cm), straight, 4.5 mm wide, gouge

18-1962

18-1964

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

18-1968

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

21-64

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

21-68

ARRUGA Lacrimal Trephine

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

18-1950-7

18-1950-7
18-1950-8
18-1952-8
18-1952-9
18-1952-10

TIECK (HALLE) Infant Nasal Speculum

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

20-12
(1/1)

VIENNA Nasal Speculum

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

20-6

20-6
(1/1)

20-7
(1/1)

20-4

VIENNA Nasal Speculum
standard pattern
20-4 5-3/4" (14.6 cm), small size
20-3 5-3/4" (14.6 cm), medium size
20-2 5-3/4" (14.6 cm), large size

20-4 (1/1)

20-3 (1/1)

20-2 (1/1)

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

19-790

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

NYLON Cap Replacement
19-795 fits item 19-793

19-795

19-793 (not to scale)

Calipers

SCHIOTZ Tonometer
includes 3 weights (5.5 gr., 7.5 gr. and 10 gr.), plunger, stainless steel footplate & test block
18-132 original model
18-132A same as no. 18-132, but with ALLEN Plunger Retractor*

All units are autoclavable and are constructed with jewelled hammers to minimize friction. Scale markings are etched for accuracy. Scales are inclined, permitting reading from above.

Each unit is supplied with certification so that it meets the specifications established by the Committee on Standardization of Tonometers of the A.A.O.O. Individually packaged in a fitted case with weights and test block.

*Allen Plunger Retractor - the plunger is held in a retracted position, flush with the surface of the footplate, until the tonometer is in place on the cornea. This feature helps to prevent possible damage to corneal tissue.

18-132
18-132A
(not shown to scale)

Case for SCHIOTZ Tonometers
fitted to firmly hold tonometer, weights and test block
18-139 6-1/2" (16.5 cm) x 3-1/2" (8.9 cm) x 1-1/4" (3.2 cm)

18-139
(not shown to scale)

CASTROVIEJO Caliper
a combination measuring and marking caliper; graduated
18-650 3-1/4" (8.3 cm), straight, 0-20 mm
68-699 3-1/2" (8.9 cm), angled, 0-40 mm

18-650

68-699

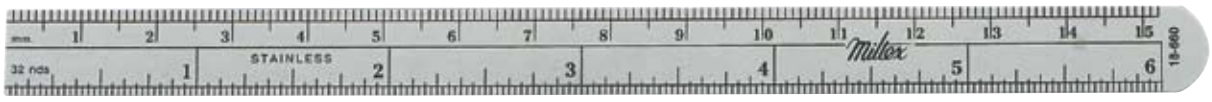
THORPE Caliper
graduated in inches and millimeters; permits measurements in deep areas
18-657 4-1/2" (11.4 cm)

18-657

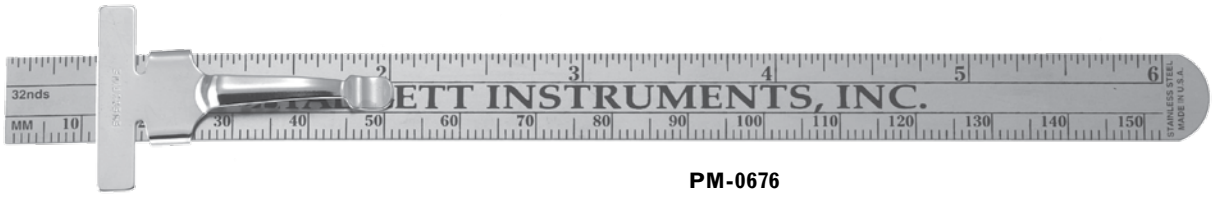
JAMESON Caliper
graduated in inches and millimeters with thin tips; chrome
18-658 3-3/4" (9.5 cm)

18-658

Flexible Stainless Ruler
graduated in 1/32" (0.8 mm) fractions and millimeters
18-660 6" (15.2 cm) x 1/2" (1.3 cm)
PM-0676* 6" (15.2 cm) x 1/2" (1.3 cm), with pocket clip

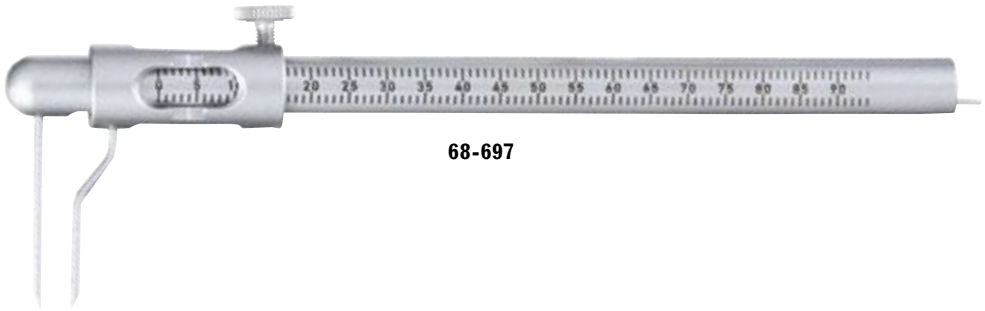


18-660



PM-0676

Micro Boley Gauge
stainless steel
68-697 5" (12.7 cm)



68-697

* PADGETT INSTRUMENTS® By Miltex®

Blades, Knife Handles & Accessories

Miniature Blade Handle
round knurled handle (3K type)
4-400 3-3/4" (9.5 cm), with chuck
4-401 3-3/4" (9.5 cm), with self-locking chuck
Note: Fits Mini Blade (blades not available from Miltex, Inc.)

4-400

4-401

Self-Locking Chuck Knife Handle
round knurled handle (3K type)
4-405 5-1/4" (13.3 cm)
Note: Fits Mini Blade (blades not available from Miltex, Inc.)

4-405

Knife Handle
No. 3, blades 10-15c, graduated in mm/cm, flat handle
4-7 5" (12.7 cm)

4-7

No. 9, blades 10-15c, stainless steel, flat handle
4-16 4-1/2" (11.4 cm)

4-16

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

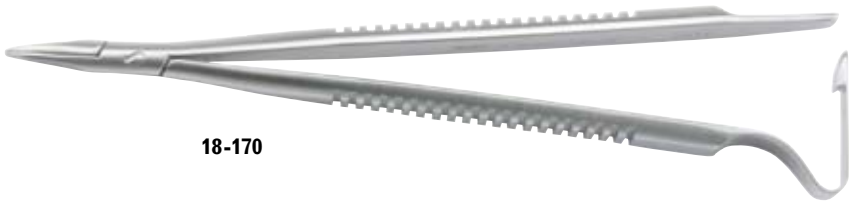
4-17

BARRONS Knife Handle
No. 3, blades 10-15c, octagonal handle
PM-425* 5-1/2" (14.0 cm)

PM-425

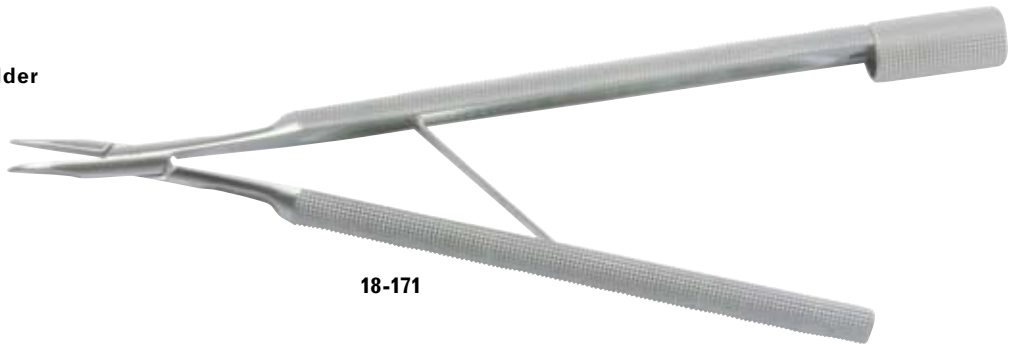
* PADGETT INSTRUMENTS® By Miltex

BARRAQUER Blade Breaker & Holder
with ratchet lock
18-170 4-1/2" (11.4 cm)



18-170

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



18-171

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

18-172

SURGICAL BLADES, Sterile
Carbon or Stainless Steel

- Razor-sharp cutting edge for superior cutting and clean incisions
- Sterile, 5-year shelf life
- Individually packaged in foil peel packs
- Convenience of disposables, single-use
- Sizes clearly marked on each blade
- Available in carbon and stainless steel
- Each dispenser box contains 100 blades
- Eleven sizes available

10 11 12 12B▲ 15 15C▲▲ 20 21 22 23 25

CS* REF	SS** REF	Size
4-110	**4-310**	10
4-111	4-311	11
4-112	4-312	12
4-112B▲	4-312B▲	12B▲
4-115	4-315	15
4-115C▲▲	4-315C▲▲	15C▲▲

*Carbon Steel ** Stainless Steel
▲B is a double edged blade
▲▲C is an angled blade

CS* REF	SS** REF	Size
4-120	4-320	20
4-121	4-321	21
4-122	4-322	22
4-123	4-323	**23**
4-125	4-325	25

*Carbon Steel ** Stainless Steel
▲B is a double edged blade
▲▲C is an angled blade

Instrument Care & Cleaning

MILTEX® Instrument Care & Cleaning Products

The MILTEX® care and cleaning product portfolio is designed to provide optimum cleaning performance and will help to prolong the service life of valuable surgical instrumentation.

MILTEX® Instrument Prep Enzyme Foam
Ready-to-use foaming spray for pre-cleaning of soiled instruments and scopes (rigid or flexible). Ideal for applications where instrument cleaning is not immediately available. Simply spray on instruments until ready for decontamination and cleaning.

3-760 24 oz. (0.71 liter) spray bottles (case of 12)*

3-760

MILTEX® Spray Lube (Surgical Instrument Lubricant)
Pre-mixed, non-silicone and anti-corrosive formula in a ready to use 8 oz. spray pump bottle. Steam permeable and water soluble. Helps prevent spotting, staining and rusting. Lubricates instrument box locks, screw locks, scissors blades and any other metal on metal moving parts.

3-700 8 fl. oz. (0.24 liter) bottles (case of 12)*

3-700

MILTEX® EZ-ZYME®All Purpose Enzyme Cleaner
Ideal for cleaning hard to remove proteinaceous (mucus & tissue) and lipid (fatty) materials from the surfaces of surgical and dental instruments, linen, water submersible equipment, or where mechanical scrubbing is impractical.

- Easy to Use
- Neutral pH
- Multi-use as an instrument presoak, ultrasonic cleaner, laundry presoak and evacuation system cleaner
- Space-saving or bulk packaging options

3-750 3/4 oz. (22 ml) packets (dispenser box of 32)
Contents of 1-box makes 32 gallons of solution
3-755 1-gallon bottle (3.79 liter)
Contents of 1-gallon container makes 170 gallons of solution

3-755

3-750

MILTEX® Surgical Instrument Cleaner
Super concentrate formula for manual and ultrasonic cleaning or soaking of surgical instruments, accessories and glassware.

- Neutral pH
- Biodegradable
- Rinses free, leaves no residue
- Phosphate-free
- Concentrated

3-720 8 fl. oz. (0.24 liter) bottles (case of 12)*
Contents of one 8 oz. bottle makes 32 gallons of solution
3-725 1-gallon bottle (3.79 liter)
Contents of 1-gallon container makes 512 gallons of solution
3-726 1/4 fl. oz. (7.4 ml) packets (dispenser box of 80)
Contents of 1-box makes 80 gallons of solution

3-725

3-720

3-726

(Contact Distributor for availability of individual units)

MILTEX® Surgical Instrument Cleaner & Lubricant
A dual-purpose instrument cleaner and lubricant. Chemically engineered for use as a presoak or for manual cleaning, washer/decontaminators, ultrasonic cleaners and cart washers.

- Cleaner & Brighter Instruments
- Removes Stains, Blood and Mineral Deposits
- Biodegradable
- Concentrate, Lower Cost Per Use

3-710 1 Gallon (128 fl. oz.) 3.79L *(see label for concentration rates)*

3-710

MILTEX® Instrument Lubricant
A water emulsible soaking agent works to extend the life of surgical instruments. Concentrated non-silicone lubricant and rust inhibitor. Use daily to keep moving parts operating smoothly.

- Formulated to extend the working life of surgical instruments
- Helps Prevent Corrosion
- Formulated with gentle, non-aggressive ingredients
- Frees Up Box Locks - Lubricates moving parts of surgical instruments

3-705 1 Gallon (128 fl. oz.) 3.79L *(see label for concentration rates)*

3-705

MILTEX® Surgical Instrument Stain Remover
Powder formula removes stains, tarnish and restores luster to surgical instruments, autoclaves, ultrasonic cleaners, stainless steel countertops, etc. Ideal for use on stainless steel, chrome, nickel, brass, copper and silver.

- Effective on instruments, autoclaves, ultrasonic cleaners or any stainless steel, tile or plated surface
- Will not harm instrument surfaces
- Easy, fast, convenient to use
- Economical - a little goes a long way

3-740 3 oz. (85 grams), (case of 12)*

3-740

MILTEX® Instrument Care Kit System
A great way to try various MILTEX® products!

3-800 Spray Lube (3-700), Surgical Instrument Cleaner (3-720), Surgical Instrument Stain Remover (3-740), Instrument Care DVD (3-810), Nylon Brush and Stainless Steel Brush

3-800

(Contact Distributor for availability of individual units)

MILTEX® Instrument Care Training DVD
25-minute Instructional DVD assists practitioners and staff to properly care for instruments and to keep them in top working condition. DVD offers step-by-step guidance on handling, cleaning, rinsing, inspecting, lubricating and sterilizing surgical instruments.

3-810 MILTEX® Instrument Care DVD

3-810

MILTEX® Nylon & Stainless Steel Brushes
- Nylon bristles for effective cleaning of instrument box locks
- Stainless steel bristles for cleaning serrations
- Autoclavable

3-1000 7-1/4" (18.4 cm), Nylon Bristles (Set of 3)
3-1001 7-1/4" (18.4 cm), Stainless Steel Bristles (Set of 3)

3-1000

3-1001

SILITONE™ Color Bands

Silitone™ color bands are made from medical-grade silicone and can withstand temperatures up to 450° F. Silitone™ bands are expandable from 4 mm to 12 mm and are available in a variety of colors.
50 pieces per pack except kits.

REF	Description
VSTSA	Grey - 50 pieces
VSTSB	Blue - 50 pieces
VSTSD	Gold - 50 pieces
VSTSG	Green - 50 pieces
VSTSK	Black - 50 pieces
VSTSL	Light Blue - 50 pieces
VSTSN	Brown - 50 pieces
VSTSP	Pink - 50 pieces
VSTSR	Red - 50 pieces
VSTSU	Purple - 50 pieces
VSTSW	White - 50 pieces
VSTSY	Yellow - 50 pieces
VST	Kit of 12 colors - 480 pieces (40 of each color)
VSTA	Kit of 12 colors - 120 pieces (10 of each color)

Will work with ring-handled instruments!

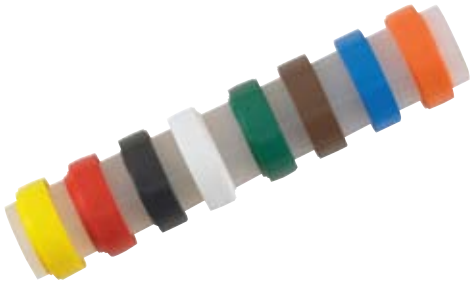
VST

(Exercise caution when applying color bands to instruments with sharp points.)

TAPE N' TELL™ Adhesive Strips

The Tape N' Tell™ adhesive strips are ideal for color coding instruments and procedural kits.

REF	Description
017-48220	TAPE N' TELL WHITE
017-48221	TAPE N' TELL YELLOW
017-48222	TAPE N' TELL RED
017-48223	TAPE N' TELL BLUE
017-48224	TAPE N' TELL GREEN
017-48225	TAPE N' TELL BLACK
017-48226	TAPE N' TELL ORANGE
017-48227	TAPE N' TELL BROWN
017-48230	TAPE N' TELL 8 ASSORTED



TIP-IT™ Instrument Guards

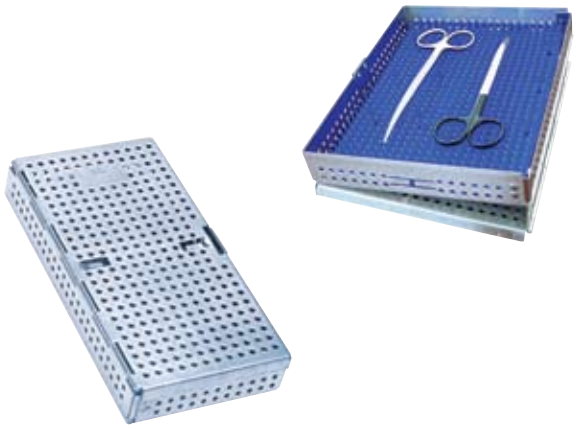
Tip-It™ Instrument Guards protect instrument tips and edges from damage during handling and sterilization.

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

REF Clear Vented	REF Tinted Vented	REF Solid Vented	REF Solid Non-Vented	Dimension	Size Code	Color
3-2501C	3-2501T	3-2501V	3-2501	1/16" x 3/4" (1.6 mm x 19 mm)	1	White*
3-2502C	3-2502T	3-2502V	3-2502	5/64" x 3/4" (2 mm x 19 mm)	2	Blue*
3-2503C	3-2503T	3-2503V	3-2503	7/64" x 3/4" (2.8 mm x 19 mm)	3	Green*
3-2504C	3-2504T	3-2504V	3-2504	1/8" x 1" (3.2 mm x 25.4 mm)	4	Red*
3-2505C	3-2505T	3-2505V	3-2505	3/16" x 1" (4.8 mm x 25.4 mm)	5	Yellow*
3-2506C	3-2506T	3-2506V	3-2506	13/32" x 3/4" (10.3 mm x 19 mm)	6	Maroon*
3-2507C	3-2507T	3-2507V	3-2507	1/16" x 3/8" x 1" (1.6 mm x 9.5 mm x 25.4 mm)	7	Orange*
3-2508C	3-2508T	3-2508V	3-2508	5/64" x 5/8" x 1" (2 mm x 16 mm x 25.4 mm)	8	Brown*
3-2509C	3-2509T	3-2509V	3-2509	1/8" x 1" x 1" (3.2 mm x 25.4 mm x 25.4 mm)	9	Black*
3-2510C	3-2510T	3-2510V	3-2510	Assorted, equal number of sizes plus 5	-	-

* Color does not apply to clear vented pattern

Miltex® Instrument Storage System featuring the "Tuck-Away™" Lid



1. Unique flow-through design.
2. Medical grade silicone strip provides instrument retention when lid is closed.
3. Full length hinge provides stable and secure attachment to cassette.
4. Quick and easy push button release provides a positive lock when closed.
5. Pre-stamped tabs allow for custom coding of cassettes.
6. Double-hinged lid folds under cassette for easy storage during use.
7. Self-lubricating plastic hinge pin will not corrode and provides smooth mechanical movement.
8. Passivated stainless steel provides corrosion protection and an aesthetic finish.

UNIVERSAL CASSETTE WITHOUT MAT

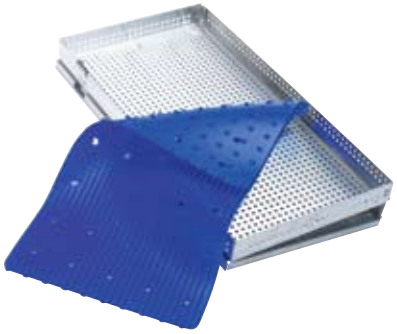
REF	Size
4-6835	6-1/2 x 6-1/4 x 1-3/16
4-083000	8 x 3-13/16 x 1-3/16
4-084000	8 x 4-7/8 x 1-3/16
4-085000	8 x 6 x 1-3/16
4-089100	8 x 9 x 1-3/16
4-008122	8 x 11 x 1-3/16
4-008115	8 x 11 x 2
4-009126	9-1/8 x 13 x 1-3/16
4-6815	15 x 8-1/4 x 1-3/16

SLIMLINE SERIES WITHOUT MAT

3-072007	7 x 2-5/8 x 11/16*
3-082008	8 x 2-5/8 x 11/16*
STDSL27	7 x 2-5/8 x 1*
3-072014	7 x 4-5/8 x 11/16*

*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.
3. Soft cushion fingers protect your instrument investment.
4. Customized to fit perfectly into Miltex® Cassettes.

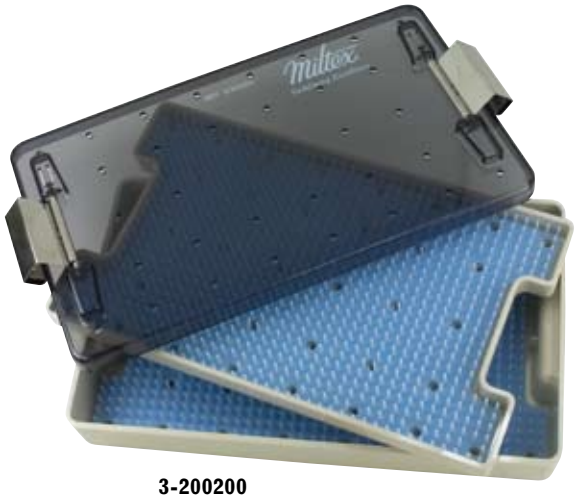
MAT ONLY

REF	Size	Description
4-6835MAT	6-1/2 x 6-1/4	for Cassette 4-6835
4-083000MAT	8 x 3-13/16	for Cassette 4-083000
4-084000MAT	8 x 4-7/8	for Cassette 4-084000
4-085000MAT	8 x 6	for Cassette 4-085000
4-089100MAT	8 x 9	for Cassette 4-089100
4-008122MAT	8 x 11	for Cassette 4-008122 & 4-008115
4-009126MAT	9-1/8 x 13	for Cassette 4-009126
4-6815MAT	15 x 8-1/4	for Cassette 4-6815

MILTEX® Tray with Silicone Mat
3-200100 7" x 11" (17.8 x 27.9 cm), single layer

3-200100
(not to scale)

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



3-200200
(not to scale)

MILTEX® Tray with Silicone Mat
3-200300 4" x 8" (10.2 x 20.3 cm), single layer

3-200300
(not to scale)

Small Plastic Tray with Silicone Mat
PM-9323* 2-3/4" x 1-3/4" x 3/4" (73 x 44 x 19 mm)

PM-9323
(not to scale)

Microsurgical Plastic Tray with Silicone Mat
PM-9326* 10" x 5-3/4" x 3/4" (254 x 146 x 19 mm)

PM-9326
(not to scale)

Microsurgical Plastic Tray with Silicone Mat
PM-9325* 11" x 7" x 3/4" (279 x 178 x 19 mm)

PM-9325
(not to scale)

* PADGETT INSTRUMENTS® By Miltex

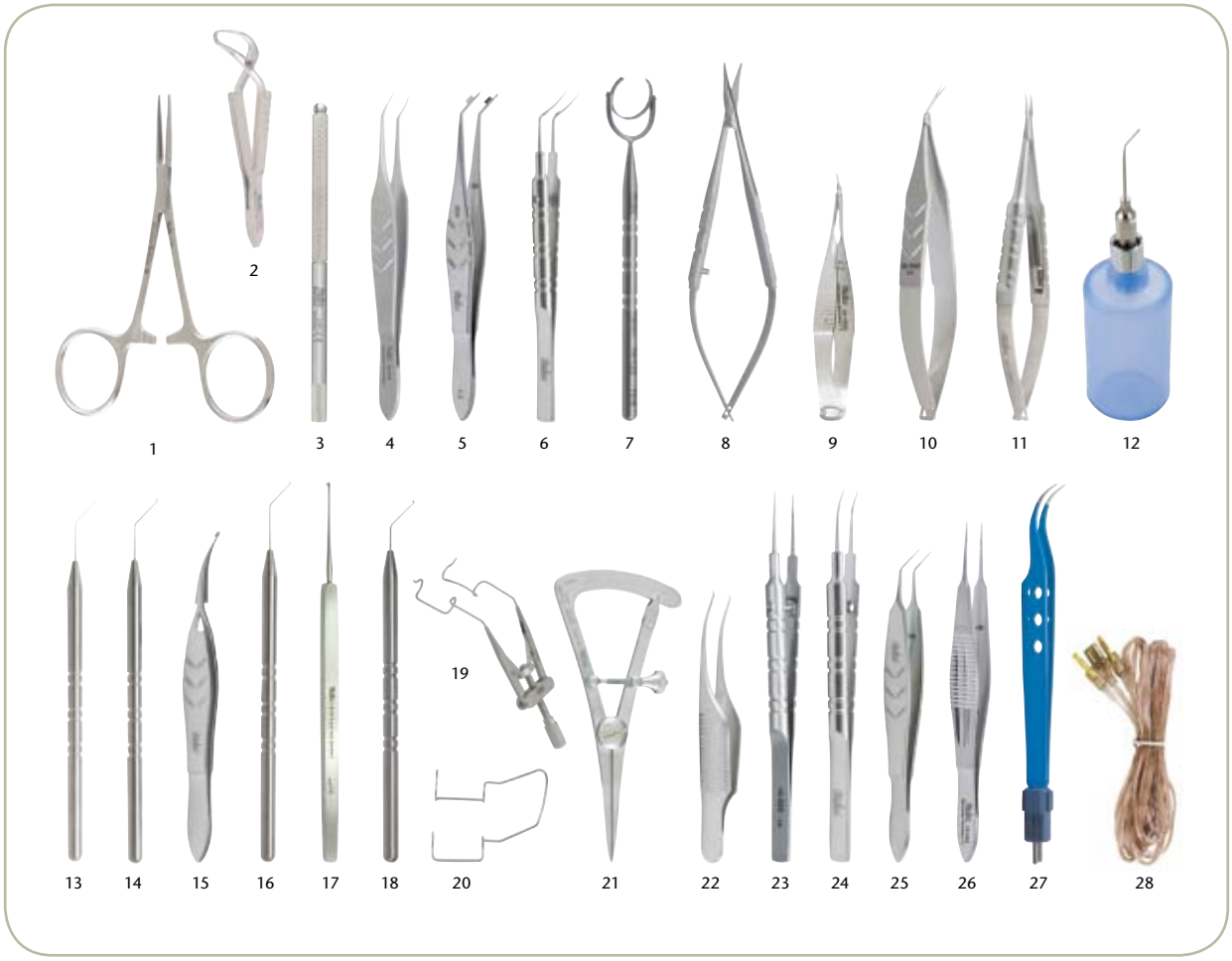
Suggested Instrument Sets

COMBINED ECCE (Extra-Capsular Cataract Extraction) SET for PHACOEMULSIFICATION and/or MANUAL PHACOFRACTURE

REF	Key	Description
7-24	1	Hartman Mosquito Forceps, straight
7-501	2	Jones Towel Clamp
5-304	3	Iris Scissors, straight
4-401	4	Miniature Blade Handle, 3K type with locking chuck
18-1058	5	Schweiger Extra-Capsular Forceps, 4 x 5 teeth, curved
18-1070	6	Buratto IOL Insertion Forceps
18-1072	7	Dodick IOL Folding Forceps, for soft IOL
18-1073	8	Livernois IOL Folding Forceps, for soft IOL
18-1094	9	Inamura Capsulorhexis Forceps
18-123	10	Fine-Thornton Swivel Fixation Ring, blunt teeth, 13 mm
18-1489	11	Westcott Tenotomy Scissors, curved
18-1622	12	Vannas Scissors, very delicate sharp tips, curved
18-1640	13	Stern-Gills Scissors, angled
18-1863	14	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)*

REF	Key	Description
18-2008	21	Jaffe-Bechert Nucleus Rotator, blunt forked tip
18-2014	22	Rosen Phaco Splitter
18-2016	23	Dodick Nucleus Cracker, paddle shaped jaws
18-2026	24	Lester IOL Manipulator, angled
18-314	25	Von Graefe (Becker) Cystotome
18-468	26	Kuglen Iris Hook & Lens Manipulator, angled
18-39	27	Lieberman Eye Speculum, Kratz-style open wire blades
18-44	28	Temporal Approach Speculum, open wire blades
18-650	29	Castroviejo Caliper
18-880	30	Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm
18-923	31	Tennant Tying Forceps, straight
18-924	32	Tennant Tying Forceps, curved
18-931	33	Kelman-McPherson Forceps, smooth jaws, angled
18-953	34	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
18-971	35	Bonnaccolto Forceps, longitudinal & cross serrated tips, 1.2 mm
PM-9421	36	Bipolar Jeweler Forceps, straight, 0.5 mm
PM-9450D	37	Disposable Bipolar Cord, 12 feet, sterile, 10/box
18-2154	38	Air Injection Cannula, 27 gauge *(not illustrated)*
3-200200	39	Miltex® Double Tray with Silicone Mats *(not illustrated)*

ECCE (Extra-Capsular Cataract Extraction) using PHACOEMULSIFICATION



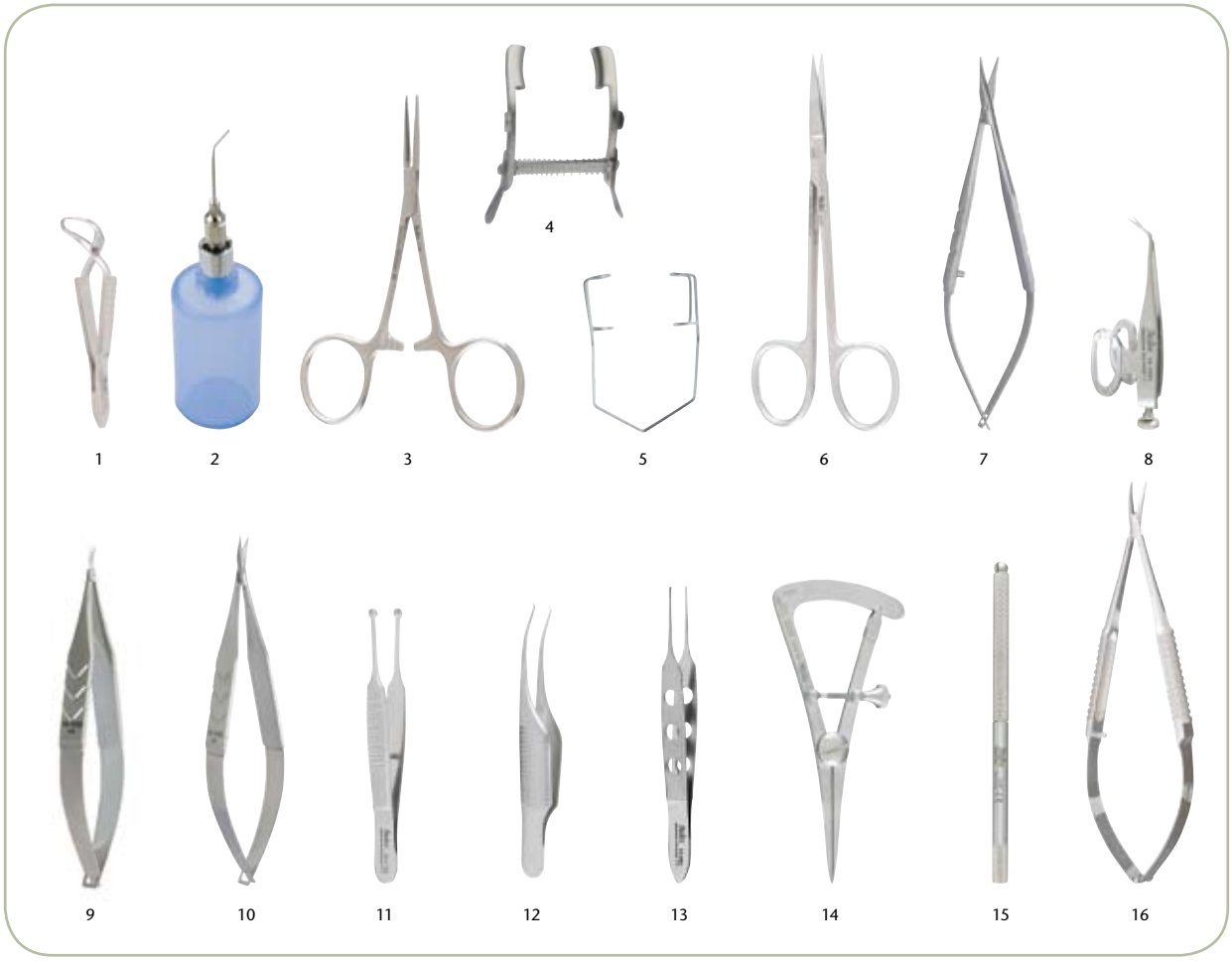
REF	Key	Description
7-24	1	Hartman Mosquito Forceps, straight
7-501	2	Jones Towel Clamp
4-401	3	Miniature Blade Handle, 3K type with locking chuck
18-1070	4	Buratto IOL Insertion Forceps
18-1073	5	Livernois IOL Folding Forceps, for soft IOL
18-1098	6	Kraff-Utrata Capsulorhexis Forceps, sharp tips
18-123	7	Fine-Thornton Swivel Fixation Ring, blunt teeth, 13 mm
18-1489	8	Westcott Tenotomy Scissors, curved
18-1622	9	Vannas Scissors, very delicate sharp tips, curved
18-1640	10	Stern-Gills Scissors, angled
18-1863	11	Drews Needle Holder, curved, extra delicate, with lock
18-2162	12	Bishop-Harmon Irrigator, 19 gauge cannula with bulb

REF	Key	Description
18-2008	13	Jaffe-Bechert Nucleus Rotator, blunt forked tip
18-2014	14	Rosen Phaco Splitter
18-2016	15	Dodick Nucleus Cracker, paddle shaped jaws
18-2026	16	Lester IOL Manipulator, angled
18-314	17	Von Graefe (Becker) Cystotome
18-468	18	Kuglen Iris Hook & Lens Manipulator, angled
18-39	19	Lieberman Eye Speculum, Kratz-style open wire blades
18-44	20	Temporal Approach Speculum, open wire blades
18-650	21	Castroviejo Caliper
18-880	22	Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm
18-923	23	Tennant Tying Forceps, straight
18-924	24	Tennant Tying Forceps, curved
18-931	25	Kelman-McPherson Forceps, smooth jaws, angled
18-953	26	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
PM-9425	27	Bipolar Jeweler Forceps, curved, 0.5 mm
PM-9450D	28	Disposable Bipolar Cord, 12 feet, sterile, 10/box
18-2154	29	Air Injection Cannula, 27 gauge angled *(not illustrated)*
3-200200	30	Miltex® Double Tray with Silicone Mats *(not illustrated)*

MANUAL PHACOFRACTURE CATARACT EXTRACTION SET

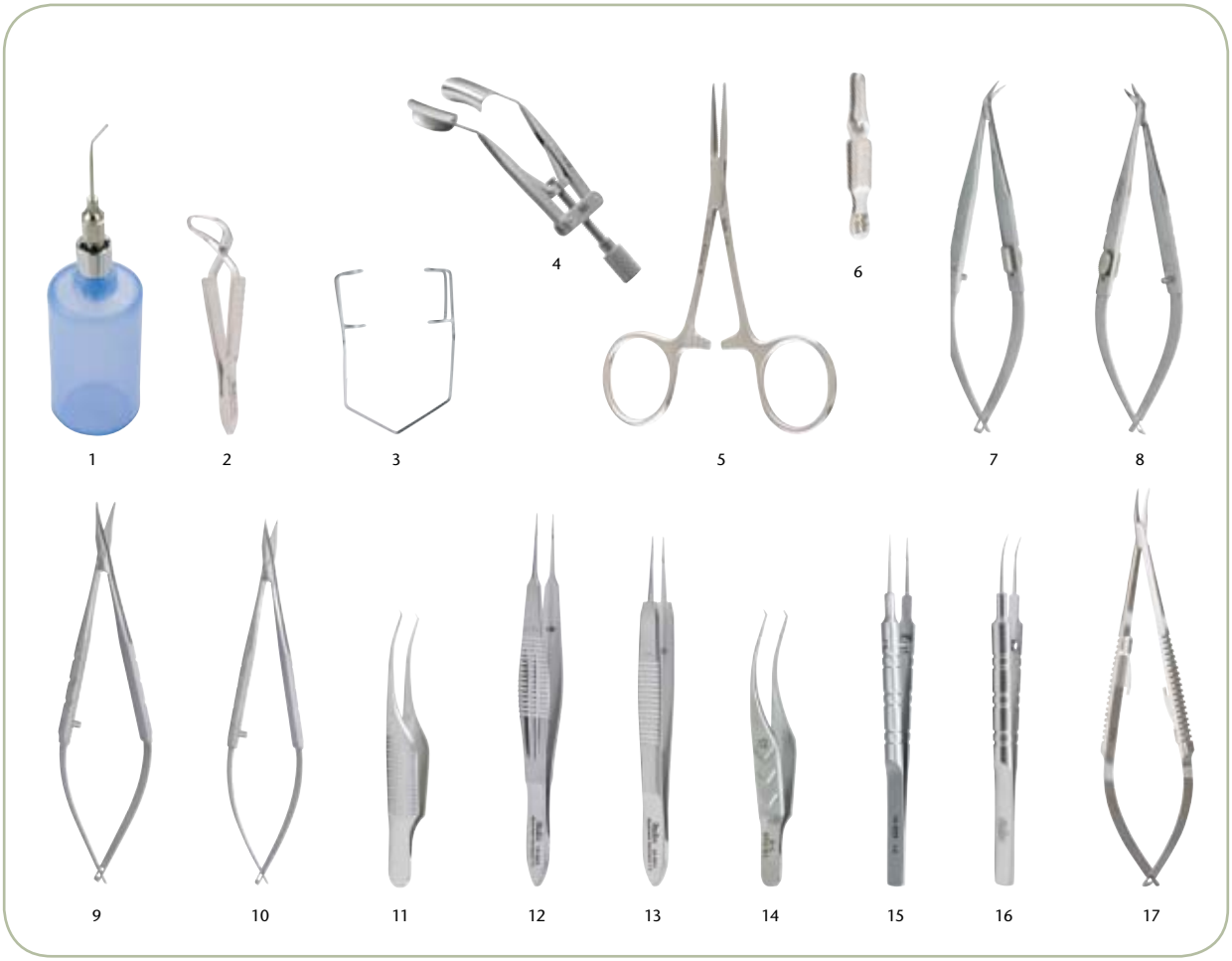
REF	Key	Description
18-39	1	Lieberman Eye Speculum, Kratz-style open wire blades
5-304	2	Iris Scissors, straight
18-1489	3	Westcott Tenotomy Scissors, curved
18-953	4	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
4-401	5	Miniature Blade Handle, 3K type with locking chuck
18-650	6	Castroviejo Caliper
18-1098	7	Kraff-Utrata Capsulorhexis Forceps, sharp tips
18-468	8	Kuglen Iris Hook & Lens Manipulator, angled
18-2003	9	Kansas Nucleus Bisector
18-2004	10	Alfonso Nucleus Trisector, 1.5 mm
18-2005	11	Bucher-Kansas Nucleus Trisector, 2.5 mm
18-2030	19	Alfonso Cutting Platform, 2 mm *(not illustrated)*
18-2031	20	Alfonso Cutting Platform, 3 mm *(not illustrated)*
18-2002	12	Kansas Nucleus Vectis, 3 mm
PM-9421	13	Bipolar Jeweler Forceps, straight, 0.5 mm
18-1072	14	Dodick IOL Folding Forceps, for soft IOL
18-1070	15	Buratto IOL Insertion Forceps
PM-9450D	16	Disposable Bipolar Cord, 12 feet, sterile, 10/box
18-2154	17	Air Injection Cannula, 27 gauge *(not illustrated)*
3-200200	18	Miltex® Double Tray with Silicone Mats *(not illustrated)*

GLAUCOMA SURGERY SET



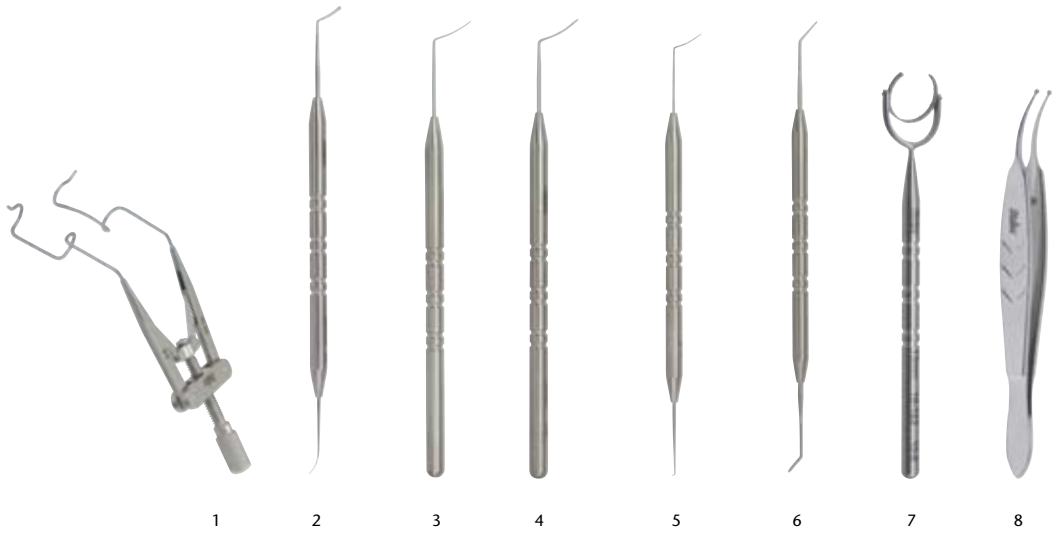
REF	Key	Description
7-501	1	Jones Towel Clamp
18-2162	2	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
7-24	3	Hartman Mosquito Forceps, straight
18-66	4	Mellinger Eye Speculum, solid blades
18-35	5	Barraquer Wire Speculum, large
5-304	6	Iris Scissors, Straight
18-1489	7	Westcott Tenotomy Scissors, curved
18-1521	8	Barraquer Iris Scissors, angled
18-1635	9	Miltex-Vannas Scissors, curved
18-1485	10	McPherson-Westcott Stitch Scissors, curved
18-1112	11	Bennett Cilia Forceps (Qty 2)
18-880	12	Pierse Colibri Forceps, 1 x 1 teeth, 0.12 mm
18-868	13	Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm
18-650	14	Castroviejo Caliper
4-401	15	Miniature Blade Handle, 3K type with locking chuck
18-1838	16	Barraquer Needle Holder, cturved, without lock
18-2154	17	Air Injection Cannula, 27 gauge angled *(not illustrated)*
3-200200	18	Miltex® Double Tray with Silicone Mats *(not illustrated)*

CORNEAL TRANSPLANT SURGERY SET



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

LASIK SURGERY SET



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

LID SURGERY SET

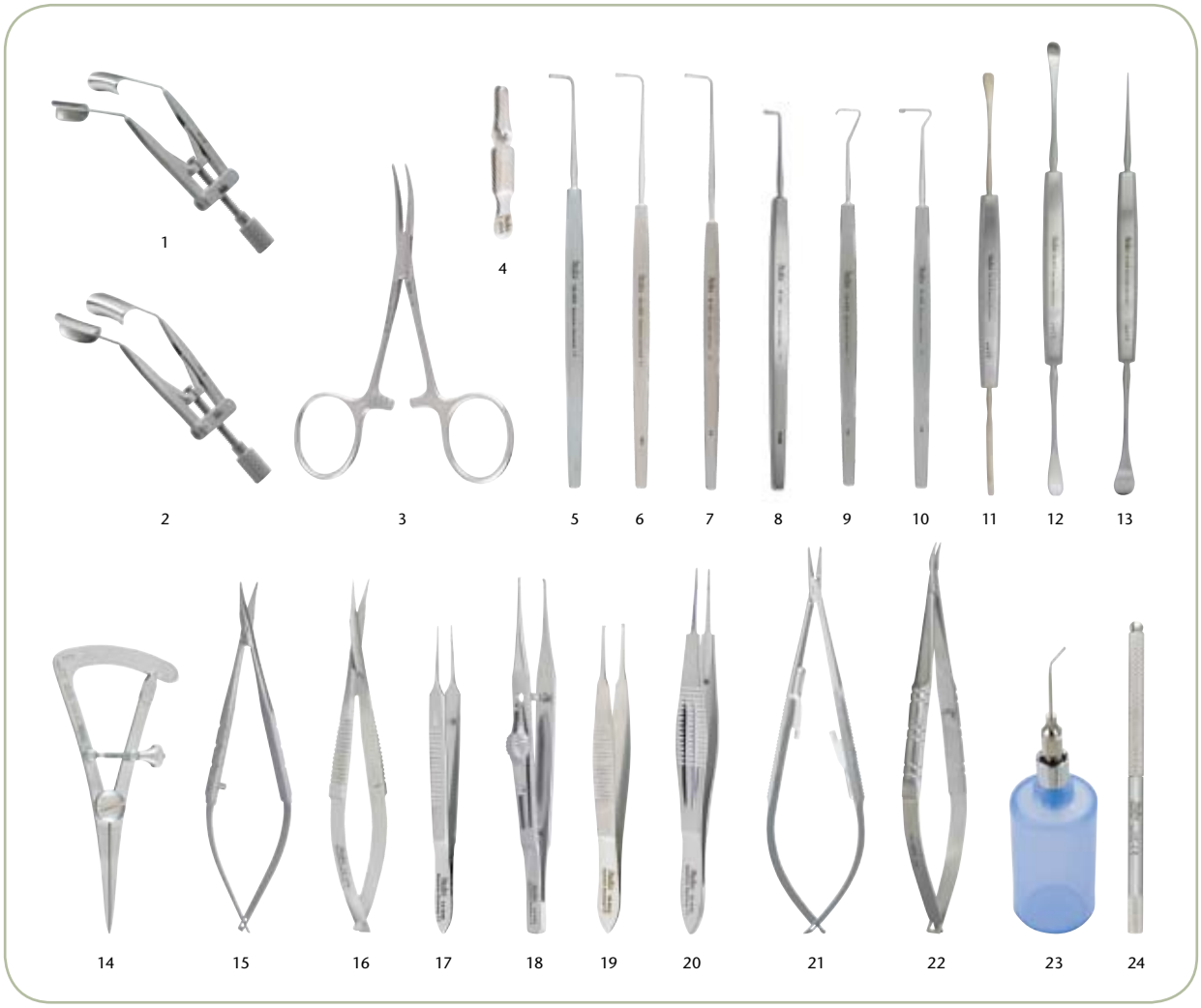
REF	Key	Description
18-2162	1	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
7-8	2	Halsted Mosquito Forceps, straight
7-10	3	Halsted Mosquito Forceps, curved (Qty 2)
7-501	4	Jones Towel Clamp
18-1472	5	Stevens Tenotomy Scissors, straight
5-304	6	Iris Scissors, Straight
4-401	7	Miniature Blade Handle, 3K type with locking chuck
18-1489	8	Westcott Tenotomy Scissors, curved
18-1486	9	Westcott Stitch Scissors, curved
18-1138	10	Berke Ptosis Forceps, 27 mm
18-1838	11	Barraquer Needle Holder, curved, without lock
18-120	12	Jaeger Lid Plate

REF	Key	Description
18-1824	13	Castroviejo Needle Holder, curved, without lock
18-650	14	Castroviejo Caliper
18-112	15	Desmarres Lid Retractor, 14 mm
18-114	16	Desmarres Lid Retractor, 16 mm
18-116	17	Desmarres Lid Retractor, 18 mm
18-452	18	Von Graefe Strabismus Hook, medium
18-416	19	Guthrie Fixation Hook
18-971	20	Bonnaccolto Forceps, longitudinal & cross serrated tips, 1.2 mm
18-868	21	Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm
18-951	22	Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm
18-948	23	McPherson Suture Forceps, 0.3 x 5 mm, no teeth
18-1150	24	Erhardt Lid Forceps
PM-5012	25	Laser Eye Shield, set of 2 with suction handle
PM-9425	26	Bipolar Jeweler Forceps, curved, 0.5 mm
PM-9450D	27	Disposable Bipolar Cord, 12 feet, sterile, 10/box
18-100	28	Knapp-Rollet Retractor, 4-sharp prongs
3-200200	29	Miltex® Double Tray with Silicone Mat *(not illustrated)*

CHALAZION SURGERY SET

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

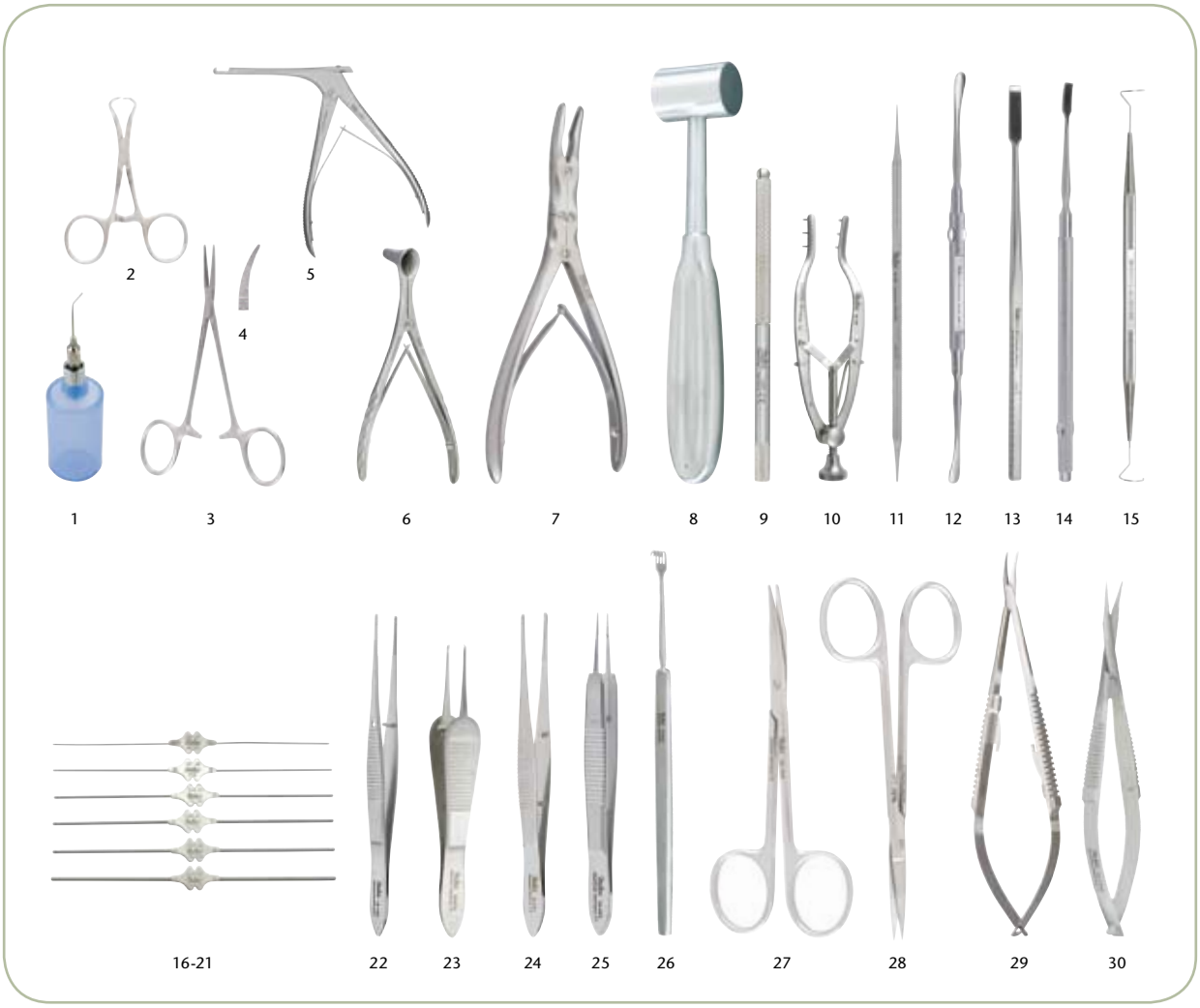
STRABISMUS SURGERY SET



REF	Key	Description
18-37	1	Lieberman Eye Speculum, solid blade, small
18-38	2	Lieberman Eye Speculum, solid blade, large
7-26	3	Hartman Mosquito Forceps, curved (Qty 2)
7-304	4	Dieffenbach Serrefine,1-1/2", straight (Qty 2)
18-450	5	Von Graefe Strabismus Hook, small
18-452	6	Von Graefe Strabismus Hook, medium
18-454	7	Von Graefe Strabismus Hook, large
18-440	8	Stevens Tenotomy Hook
18-442	9	Green Strabismus Hook
18-446	10	Jameson Strabismus Hook
18-564	11	Castroviejo Spatula
18-570	12	Green Spatula
18-568	13	Fisher Spoon & Needle

REF	Key	Description
18-650	14	Castroviejo Caliper
18-1489	15	Westcott Tenotomy Scissors, curved
18-1486	16	Westcott Stitch Scissors, curved
18-836	17	Bonn Suture Forceps, 1 x 2 teeth, 0.12 mm
18-628	18	Kirby Fixation Forceps, with lock
18-914	19	Lester Fixation Forceps, 2 x 3 teeth (Qty 3)
18-946	20	Harms Suture Forceps, smooth tying platform
18-1828	21	Castroviejo Needle Holder, straight, with lock
18-1853	22	Barraquer Needle Holder, curved, with lock
18-2162	23	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
4-401	24	Miniature Blade Handle, 3K type with locking chuck
3-200200	25	Miltex® Double Tray with Silicone Mats *(not illustrated)*

LACRIMAL SURGERY SET



REF	Key	Description
18-2162	1	Bishop-Harmon Irrigator, 19 gauge cannula w/bulb
7-504	2	Backhaus Towel Clamp
7-8	3	Halsted Mosquito Forceps, straight (Qty 2)
7-10	4	Halsted Mosquito Forceps, curved (Qty 2)
18-1990	5	Kerrison Ronguer, size 0, 3.5 mm
20-2	6	Vienna Nasal Speculum, large
19-844	7	Beyer Ronguer, curved
19-790	8	Gerzog Mallet, lead filled stainless
4-401	9	Miniature Blade Handle, 3K type with locking chuck
18-96	10	Stevenson Lacrimal Retractor
18-691	11	Castroviejo Lacrimal Dilator
18-1968	12	Freer Periosteal Elevator
18-1962	13	West Lacrimal Chisel, straight
18-1960	14	Freer Lacrimal Chisel, curved
PM-4739HL	15	Worst Pigtail Probe with suture holes

REF	Key	Description
18-740	16	Bowman Lacrimal Probe, size 0000-000
18-742	17	Bowman Lacrimal Probe, size 00-0
18-744	18	Bowman Lacrimal Probe, size 1-2
18-746	19	Bowman Lacrimal Probe, size 3-4
18-748	20	Bowman Lacrimal Probe, size 5-6
18-750	21	Bowman Lacrimal Probe, size 7-8
18-780	22	Eye Dressing Forceps, straight, 0.8 mm
18-974	23	Sauer Fixation Forceps, 1 x 2 teeth
18-971	24	Bonnaccolto Forceps, longitudinal & cross serrated tips, 1.2 mm
18-951	25	Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm
18-102	26	Knapp Retractor, 4-blunt prongs
18-1476	27	Stevens Tenotomy Scissors, curved
5-304	28	Iris Scissors, straight
18-1833	29	Castroviejo Needle Holder, curved, extra delicate, w/ lock
18-1486	30	Westcott Stitch Scissors, curved
3-200200	31	Miltex® Double Tray w/Silicone Mats *(not illustrated)*

VITREORETINAL SURGERY SET

REF	Key	Description
18-12	1	Castroviejo Eye Speculum, medium
7-304	2	Dieffenbach Serrefine, straight (Qty 4)
7-8	3	Halsted Mosquito Forceps, straight (Qty 2)
5-304	4	Iris Scissors, Straight
18-2162	5	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
18-1472	6	Stevens Tenotomy Scissors, straight
18-1476	7	Stevens Tenotomy Scissors, curved
18-1489	8	Westcott Tenotomy Scissors, curved
18-1486	9	Westcott Stitch Scissors, curved
4-401	10	Miniature Blade Handle, 3K type with locking chuck
18-250	11	Schepens Oribital Retractor
18-452	12	Von Graefe Strabismus Hook, medium
18-2127	13	Retinal Detachment Hook *(not illustrated)*
18-2181	14	Schocket Scleral Depressor *(not illustrated)*

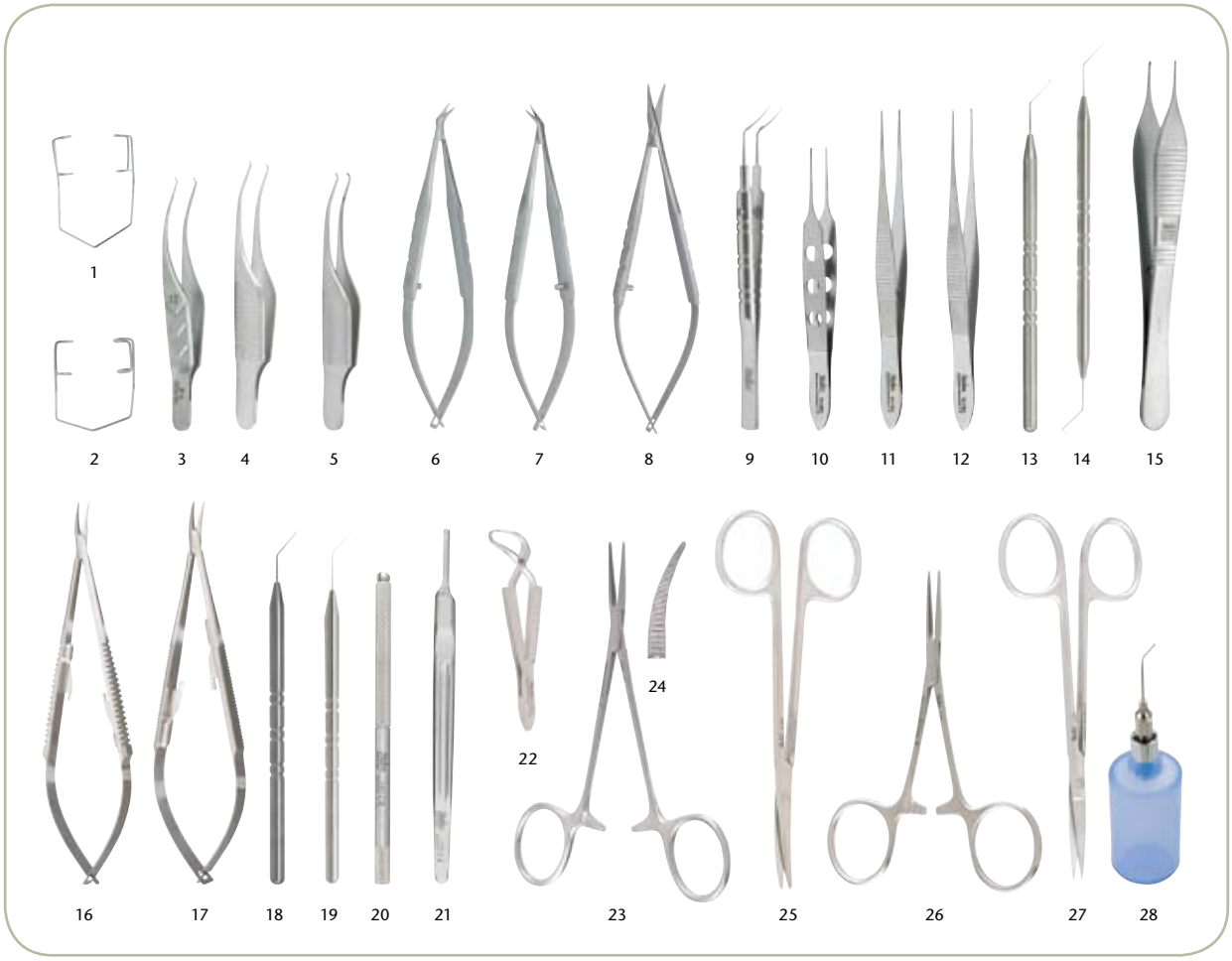
REF	Key	Description
18-650	15	Castroviejo Caliper
015999	16	Watzke Sleeve Spreading Forceps
18-971	17	Bonnaccolto Forceps, longitudinal & cross serrated tips, 1.2 mm
18-958	18	Nugent Utility Forceps, serrated
18-953	19	Castroviejo Micro Suturing Forceps, 1 x 2 teeth, 0.12 mm
18-951	20	Castroviejo Suturing Forceps, 1 x 2 teeth, 0.3 mm
18-868	21	Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm (Qty 2)
18-1833	22	Castroviejo Needle Holder, curved, extra delicate, with lock
18-1831	23	Castroviejo Needle Holder, straight, extra delicate, with lock
18-922	24	McPherson Tying Forceps, straight
18-574	25	Castroviejo Cyclodialysis Spatula, 0.5 mm
PM-9450D	26	Disposable Bipolar Cord, 12 feet, sterile, 10/box
PM-9425	27	Bipolar Jeweler Forceps, curved, 0.5 mm
18-2153	28	Viscoelastic Aspirating Cannula, 22 gauge angled *(not illustrated)*
3-200200	29	Miltex® Double Tray with Silicone Mats *(not illustrated)*

ENUCLEATION SURGERY SET

1 2 3 4 5 6 7

REF	Key	Description
18-2	1	Lancaster Eye Speculum
18-550	2	Wells Enucleation Scoop
18-452	3	Von Graefe Strabismus Hook, medium
18-1472	4	Stevens Tenotomy Scissors, straight
18-1498	5	Enucleation Scissors, strong curve
18-786	6	Iris Tissue Forceps, straight, 0.8 mm
7-10	7	Halsted Mosquito Forceps, curved
3-200100	8	Miltex® Single Tray with Silicone Mats *(not illustrated)*

VETERINARY OPHTHALMIC SURGERY SET



REF	Key	Description
18-35	1	Barraquer Wire Speculum, large
18-36	2	Barraquer Wire Speculum, small
18-928	3	Harms Colibri Forceps, 1 x 2 teeth, 0.12 mm
18-881	4	Pierse Colibri Forceps, 1 x 1 teeth, 0.3 mm
18-827	5	Troutman-Barraquer Colibri Forceps, 1 x 2 teeth, 0.4 mm
18-1579	6	Castroviejo Corneoscleral Scissors, right
18-1580	7	Castroviejo Corneoscleral Scissors, left
18-1489	8	Westcott Tenotomy Scissors, curved
18-1098	9	Kraff-Utrata Capsulorhexis Forceps, sharp tips
18-868	10	Bishop-Harmon Forceps, 1 x 2 teeth, 0.7 mm
18-779	11	Iris Dressing Forceps, straight, 0.5 mm
18-785	12	Iris Tissue Forceps, straight, 0.5 mm
18-2019	13	Nagahara Phaco Chopper
18-2017	14	Chang Duo Quick Chopper, left
17-2500	15	Micro Adson Tissue Forceps, 1 x 2 teeth, 0.5 mm

REF	Key	Description
18-1833	16	Castroviejo Needle Holder, curved, extra delicate, w/lock
18-1832	17	Castroviejo Needle Holder, curved, with lock
18-466	18	Sinskey II Lens Manipulating Hook, angled
18-2008	19	Jaffe-Bechert Nucleus Rotator, blunt forked tip
4-401	20	Miniature Blade Handle, 3K type with locking chuck
4-16	21	Knife Handle, No. 9
7-501	22	Jones Towel Clamp
7-8	23	Halsted Mosquito Forceps, straight (Qty 2)
7-10	24	Halsted Mosquito Forceps, curved
5-284	25	Metzenbaum Scissors, curved
7-24	26	Hartman Mosquito Forceps, straight
5-304	27	Iris Scissors, straight
18-2162	28	Bishop-Harmon Irrigator, 19 gauge cannula, with bulb
3-200200	19	Miltex® Double Tray with Silicone Mats *(not illustrated)*

Cannulae & Depressor

BISHOP-HARMON Irrigation Cannula, Luer Lock
18-2164 19 gauge angled cannula

BISHOP-HARMON Irrigator
18-2162 19 gauge angled cannula, adaptor and blue silicone bulb

18-2164

18-2162
(not to scale)

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

18-2152

18-2154

VISCOELASTIC Aspirating Cannula, Luer Lock
18-2153 22 gauge angled at 10 mm
18-2155 19 gauge angled at 10 mm

18-2155
18-2153 (not shown)

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

18-2127

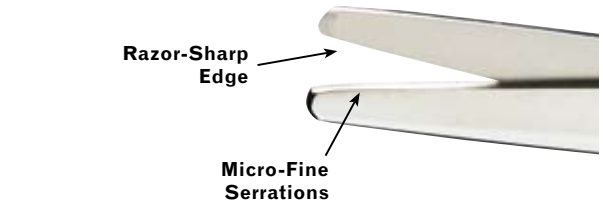
SCHOCKET Scleral Depressor
double ended, with pocket clip
18-2181 5-1/4" (13.3 cm)

18-2181

Reference
Warranty & Repair

MILTEX® SUPERCUT SCISSORS

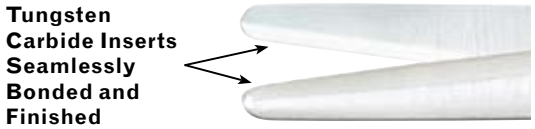
SuperCut Scissors have a specially designed razor-sharp upper blade edge that cuts effortlessly through tissue. The lower blade has micro-fine serrations to hold tissue and prevent slippage. For easy identification, Miltex® SuperCut Scissors have two black ring handles.



SuperCut scissors are designed to cut tissue only. Dropping or mishandling will cause the razor-sharp edge to nick or become irregular. Proper handling will ensure lifetime service. 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.

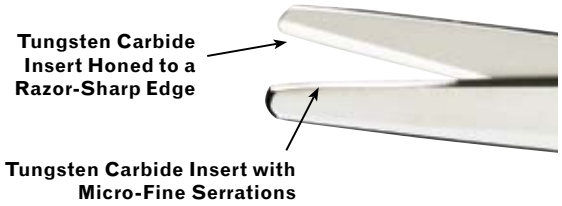


Carb-N-Sert® Scissors represent a considerable cost savings to the clinician as a result of consistently superior performance and extended service life.

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.*

AUTOCLAVING

Instruments are normally autoclaved with saturated steam at 134° Celsius, although a temperature of 121° Celsius may be used in conjunction with a longer exposure time on instruments with limited thermostability.

The sterilization procedure used on your instruments must be in compliance with sterilization standards and must be appropriate for the instruments to be sterilized. The packing materials used in the sterilization procedure must also be suitable for the procedure selected and must comply with all relevant quality sterilization standards.

STEAM AUTOCLAVE GUIDE

Temperature	121-134° C
Pressure	30 PSI
Cycle Time	Approximately 30 minutes; must maintain noted temperature & pressure level for 15 minutes
Sterilant	Steam
Sterilization Range	Stainless steel, glassware, Selected rigid materials

Be sure to refer to your autoclave manual or autoclave manufacturer for proper usage instructions.

Recommended Steps in Cleaning, Sterilization & Maintenance of Miltex® Surgical Instruments

1. HOLDING/PRESOAK
Never hold instruments in a dry container.
Doing so allows blood and debris to dry onto instrument surfaces and makes cleaning more difficult. If rinsing and decontamination processes are not immediately available, pre-treat instruments or hold them in a neutral pH holding/presoak enzymatic solution after patient use but before actual cleaning. Miltex® Instrument Prep Enzyme Foam (3-760) is a ready to use foaming spray for pre-cleaning soiled instruments and scopes. Simply spray the foam on instruments until they are ready for processing. Also, Miltex® EZ-Zyme® (3-750 and 3-755) neutral pH all purpose multi-enzyme concentrate is ideal for instrument presoaking and pre-cleaning. As soon as possible, rinse and clean as follows:

2. RINSING
(Always wear safety protection gear.)
Immediately after surgery, remove organic materials by rinsing instruments under warm (not hot) running water. Rinse should remove most blood, fluids and tissue. Do not process dissimilar metals (stainless, copper, chrome plated, etc.) together.

Note: *Disinfection can be included to protect medical personnel from contamination during cleaning; however, protection also can be accomplished by following standard precautions by wearing appropriate PPE as promulgated by OSHA & AORN.*

3. CLEANING
All blood, dried body fluids and tissue should be completely removed from instruments prior to sterilization. Several methods for removing these materials are available.

A. **Soak**: An enzymatic cleaner bath (soak) such as Miltex® EZ-Zyme® (3-750 and 3-755) or a solution of water and neutral pH (7) detergent such as Miltex® Surgical Instrument Cleaner (3-720, 3-725 and 3-726) is effective in removing organic material from instruments. Use distilled (demineralized) water, if possible. Instruments should be fully submerged for at least 10 minutes. Do not let "sharps" (scissors, knives, osteotomes, etc.) touch each other. Ensure that dissimilar metal instruments are separated. Rinse instruments under running water to remove solutions and change solutions frequently.

B. **Ultrasonic Cleaning**: Most instrument manufacturers recommend ultrasonic cleaning as the most effective way to clean surgical instruments, particularly instruments with hinges, box locks and other moving parts.

- All instruments must be fully submerged in an open position using distilled (demineralized) water, if possible. To prevent possible surface scratching make sure that "sharps" do not touch other instruments. Also, separate instruments of dissimilar metals.
- Process instruments for the full recommended ultrasonic cleaning cycle. Change solution frequently or as often as the manufacturer recommends.
- Rinse instruments with water to remove the cleaning solution. Miltex® EZ-Zyme® (3-750 and 3-755) or Miltex® Surgical Instrument Cleaner (3-720, 3-725 and 3-726) can be safely used with all ultrasonic units.

C. **Automatic Washer Sterilizers**: Following manufacturers' recommendations, ensure that instruments are lubricated before the sterilization cycle and after the last rinse cycle.

CAUTION: Needle holders and forceps may crack if sterilized with ratchet in closed position.

D. **Manual Cleaning**: If ultrasonic cleaning is not available, observe the following steps:

- Use stiff nylon cleaning brushes (3-1000). Do not use steel wool or wire brushes except stainless steel wire brushes (3-1001) specially recommended for instrument serrated areas, bone files, burs or on stained areas of knurled handles.
- Use only neutral pH (7) detergents such as Miltex® Surgical Instrument Cleaner (3-720, 3-725 and 3-726). If not rinsed off properly, low pH (acidic - less than 6 pH) detergents break down the stainless protective surface resulting in pitting and/or black staining on instruments. High pH detergents (alkaline - more than 8 pH) can cause brown stains (phosphate surface deposit) which can also interfere with the smooth operation of instruments. Most brown stains are not rust and are easily removed with Miltex® Surgical Instrument Stain Remover (3-740).
- Brush delicate instruments carefully, and if possible, separate them from general instruments.
- Make sure instrument surfaces are visibly clean and are free from stains and tissue. Miltex® Surgical Instrument Stain Remover (3-740) can help remove residue stains. This is also a good time to inspect each instrument for proper function and condition.
- Check scissors' blades to ensure proper function. Blades should open and close smoothly. Test cutting performance at 3/4 length of the blade with the materials recommended below. Scissors should cut all the way to the tips. Recommended cutting test materials:
  - Fine/Delicate scissors: Surgical glove
  - Medium scissors: Single layer of stocking/cast netting
  - Large/Utility scissors: Double layer of stocking/cast netting
- Check forceps (pickups) for proper jaw alignment. Teeth must meet properly without catching.
- Check hemostats and needle holders to ensure jaw tips close in first ratchet position and that the entire jaw closes in third ratchet position. Check instruments for loose hinges and verify that they lock and unlock easily. Also check instruments for wear on jaw surfaces.
- Suction tubes should be clean inside.
- Test Biopsy Punches by punching a clean hole in 3-6 mil thick poly-bag material. If poly-bag material is not available, use tissue paper.
- Retractors should function properly.

Recommended Steps in Cleaning, Sterilization & Maintenance of Miltex® Surgical Instruments

- Cutting edge instruments and knives should be sharp and free of damage.

- After scrubbing, rinse instruments thoroughly under running water. While rinsing, open and close scissors, hemostats, needle holders and other hinged instruments to ensure that hinged areas are rinsed out and that no debris remains.

4. AFTER CLEANING
Separate dissimilar metals prior to sterilizing/autoclaving. If instruments will be stored, allow them to air-dry and store them in a clean and dry environment.

5. AUTOCLAVING

A. **Lubricate all hinged instruments** which have any "metal to metal" action at the screw or box lock. A non-silicone, water-soluble surgical lubricant such as Miltex® Lube (3-700 or 3-705) is recommended. Do not use industrial oils or lubricants.

B. **Sterilize instruments** either individually or in sets.

- **Individual Instruments**: Disposable paper or plastic pouches are ideal. Make sure to use a wide enough pouch for instruments with ratchet locks so instruments can be sterilized in an open (unlocked) position. Instruments locked during autoclaving can develop cracked hinges (box locks) or other problems because of heat expansion. If wrapping instruments, make sure the towel does not contain detergent residue which can stain instruments.

- **Instrument Sets**: Unlock all instruments and sterilize in an open position. Place heavy instruments on the bottom of set (when two layers are required). Do not overload the chamber because an air pocket that hinders steam penetration may form.

CAUTION: With most portable tabletop autoclaves, unlock the door and open it no more than a crack, about 1/4" (6.4 mm). (at the end of the autoclave cycle and before the drying cycle) Then run the dry cycle for the period recommended by the autoclave manufacturer. If the autoclave door is fully opened before the drying cycle, cold air will rush into the chamber and will cause condensation on the instruments, potentially resulting in water stains or causing wet packs. Make sure autoclave filters and chambers are cleaned as recommended by the manufacturer. Miltex® Surgical Instrument Stain Remover (3-740) is effective in removing stains and in cleaning the autoclave chamber. If you have any unusual staining on your instruments after sterilization, obtain our Instrument Care System DVD (3-810) or contact your local Miltex® representative.

6. CHEMICAL/COLD STERILIZATION
Most chemical/cold sterilization solutions render instruments sterile only after 10-hour immersion. This prolonged chemical action can be more detrimental to instruments than the usual 20-minute autoclave cycle. If the instruments need to be "disinfected" only, a chemical/cold sterilization soak is acceptable, as disinfection will take approximately 10 minutes or more. Check manufacturers' specifications.
Also see our warning in using bleach (paragraph 3).

Keep in mind the difference between:

- Sterile - an absolute term (no living organism survives); and

- Disinfected - basically clean. Some organisms may survive. Always use the proper sterilization/cleaning technique to render the instrument in the required condition for use.

CAUTION: For instruments with tungsten carbide insert jaws, the use of chemical/cold sterilization solutions is not recommended as it may deteriorate the instrument's jaw.

We recommend these Miltex products to properly safeguard and care for your quality instruments.

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

INSTRUMENT WARRANTY

Miltex® and Padgett® Instruments are guaranteed to be free from material defects. Our Guarantee also includes a commitment to the very highest standards of quality craftsmanship which will be employed in the manufacture of each and every Instrument. If either of these high standards are not met by Miltex, our customer may return the Instrument to be repaired or replaced at our discretion and at no charge to the customer.

PRODUCT WARRANTY

Miltex also offers to our customers an array of complementary surgical and dental products. These are held to the same high standards of material and workmanship as our instruments. However, all of these quality products are also provided with a limited one-year warranty.

- Chiropractic and Auto-Surgical Mallets
- Laparoscopic Instruments and Scopes
- Instrument Containers and Cassettes
- Chrome Instruments
- Electrosurgical Instrumentation
- Electrical Devices
- Podiatry Nipper/Splitter Springs
- Fiber Optic Instruments / Accessories

REPAIR WARRANTY

If for any reason a customer is dissatisfied with a Miltex® repair, we guarantee to replace or again repair the product at no charge if the instrument is returned within 30 days. We request that our customers assist us in protecting our employees by returning cleaned and sterilized instruments for repair.

WARRANTY STIPULATIONS

Our Warranty is effective from the date-of-purchase only from either Miltex or an Authorized Miltex Distributor. The warranty remains in effect if the Instrument or Product is used for its intended surgical or dental purpose as well as continuous and proper care of the Instrument or Product is maintained.

OTHER WARRANTY INFORMATION FOR OUR CUSTOMERS

- We ask our customers to use only the Miltex® Repair Services for our products so the warranty remains in effect.
- We love to meet your unique or special needs with custom produced products. However, these are not returnable.
- Miltex offers excellent Care and Cleaning products for our instruments. Please use these products or other appropriate cleaning products to properly maintain your instrument as a valuable asset. Proper care and cleaning of your instruments is also a requirement to maintain the instrument warranty.
- We strongly recommend that you use the appropriate instrument for the identified clinical need. Misuse of instruments can cause damage to the instrument or product and will void the warranty.
- Hurricanes, fires or other disasters will void the warranty of your instruments.

A FINAL & REQUISITE STATEMENT

As set forth in these Terms, Conditions, Policy and Warranty, Miltex makes no other representations, either expressed or implied, which supersede the above descriptions. In no event will Miltex be liable for any incident, special or exemplary damages or loss of profits in connection with the use of a Miltex® Instrument or Product.

TERMS & CONDITIONS

ORDERS AND QUOTATIONS

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

TERMS

All invoices are payable net 30 days from date of invoice.

FREIGHT

Prices quoted are FOB factory. Prices are subject to change without notice.
Orders will be shipped via the carrier of Miltex's choice unless the distributor requests a particular service. If a special request is made, an additional handling charge will be included on the invoice to cover the resulting processing and carrier charges.

ACCEPTANCE

All orders are subject to approval by Miltex.
Miltex herewith reserves the right to alter the design or form of any product or to discontinue any product prior to the date of delivery without incurring any obligation to make such changes in any items previously purchased, whether or not delivered.

CREDIT

Miltex reserves the right to refuse orders, suspend credit and cancel unfulfilled orders when credit conditions of a customer warrant such action.

SHIPMENTS, DAMAGES, & SHORTAGES IN TRANSIT

Shipment schedules are approximate and are as accurate as conditions permit on the date the schedules are provided. Miltex assumes no responsibility or liability for unforeseen delays in making delivery. When signing for receipt of goods, all visible damage and/or shortages to cartons must be indicated on the carrier delivery receipt so that a claim may be filed with the carrier.
The customer shall inspect all items upon arrival and give written notice to Miltex of any claim for a shortage or non-conformance within 7 days after receipt of shipment.
Miltex may make partial shipments, which the distributor shall accept and pay for at the prices specified on maturity of the invoice involved.

RETURN MATERIALS POLICY

A Returned Materials Authorization number (RMA) must be obtained prior to returning product to Miltex. Product returned without an RMA number will be returned directly to the distributor, at our cost, with a letter of explanation. Returns can only be granted and authorized by obtaining an RMA number from Miltex customer service at toll free 1-866-854-8300.
Issue of an RMA number should not be interpreted as a final credit to your customer account. Miltex reserves the right to evaluate incoming returns prior to issuing any customer credit.
There will be a 15% restocking charge for product returned after 60 days but before 120 days after receipt of shipment. Product must be returned unused in its original packaging. No returns will be accepted after 120 days after receipt of shipment. Non-returnable products received by Miltex will be returned directly to the distributor, at our cost, with a letter of explanation.
Sterile products which have been opened, returned out of the original package or returned after the sterile expiration date are not returnable.
Discontinued products, medicament products, private labeled, custom made, custom etched or neutralized products are not returnable.
Broken instruments noted as 'Sharps' have special handling and return requirements. Call customer service toll free 1-866-854-8300 for information regarding special shipping and handling requirements.

INSTRUMENT SERVICE, REPAIR AND RETURN INSTRUCTIONS

Miltex, Inc. offers you the expertise and convenience of operating its own in-house Service and Repair Department. Please follow our simple return instructions to ensure all returns and repairs are processed correctly and in a timely manner. Your instruments are as important to us as they are to you.

Please contact our Customer Service Department at 1.866.854.8300 or repairs@miltex.com to obtain a Return Material Authorization (RMA) number. The RMA number is required before instruments are returned for repair.

Be prepared to provide the following information:
• Customer account number
• Customer purchase order number

IMPORTANT: Any instrument sent to Miltex, Inc. without an RMA number will be returned to sender without being evaluated or repaired.

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

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

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

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

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

A

Acrylic IOL Implantation Forceps 45
ADAMSON Hook & Retractor....12
Adhesive Strips....139
ADSON Dissecting Forceps....70
ADSON Dressing Forceps....57, 68-70
ADSON Dressing, Tissue & Suture Forceps....70
ADSON Forceps....57, 68-71, 74, 156
ADSON Tissue Forceps....57, 69-71
ADSON-BROWN Tissue Forceps....71
ADSON Bipolar Forceps....74
AEBLI Corneal Scissors....86
AGRICOLA Lacrimal Sac Retractor....8
Air Injection Cannula....144-148, 158
AKAHOSHI Combo Prechopper....44
AKAHOSHI Universal Prechopper....44
ALFONSO Cutting Platform....31, 144, 146
ALFONSO Nucleus Trisector....31, 144, 146
ALVIN (CASTROVIEJO) Fixation Forceps....65
ALVIS Foreign Body Spud....17
ANIS Ball Tip Nucleus Manipulator....29
Applying Forceps for Micro Clips....81
ARRUGA Capsule Forceps....43
ARRUGA Lacrimal Trephine....127
Aspirating Cannula....154, 158
AYER Chalazion Forceps....63

B

BACKHAUS Towel Clamp....79, 153
BAIRD Chalazion Forceps....62
Ball End Instruments....10, 29, 32
Ball Tip Manipulator....29, 32
BARKAN Goniotomy Knife....16
BARRAQUER Blade Breaker & Holder....134
BARRAQUER Cilia & Suture Forceps....61
BARRAQUER Iris Scissors....96, 147
BARRAQUER Needle Holder....114, 147, 150, 152
BARRAQUER Speculum....1, 147-148, 156
BARRAQUER-TROUTMAN Colibri Forceps....52
BARRONS Knife Handle....133
Bayonet Bipolar Forceps....74
Bayonet Forceps....72, 74
BEAUPRE Cilia Forceps....61
BECHERT Lens Holding Forceps....47
BECHERT Nucleus Rotator....28
BECKER (VON GRAEFE) Cystotome....16, 144-145
BEER Cilia Forceps....60
BENNETT Cilia Forceps....61, 147
BERGH Cilia Forceps....61
BERKE Ptosis Forceps....62, 150
BEYER Rongeur....125, 153
Bipolar Forceps....74, 144-146, 150, 154
Bipolar Instrument Cable....75, 144-146, 150, 154
Bisector....30
BISHOP-HARMON Dressing Forceps....54
BISHOP-HARMON Forceps....54-55, 147, 150, 154, 156
BISHOP-HARMON Iris Tissue Forceps....55
BISHOP-HARMON Irrigator....144-145, 147-148, 150, 152-154, 156, 158
BISHOP-HARMON Tissue Forceps....54
Blade Breakers....134
Blade Handles....133, 156
Blades....134
BLAYDES Lens Holding Forceps....47
Blepharoplasty Forceps....73
Blepharoplasty Scissors....111-112
Boat Hook....35
Boley Gauge....131
BONN Micro Suturing Forceps....51, 152
BONN Miniature Iris Scissors....102
BONNACCOLTO Utility Forceps....68, 144, 150, 153-154
BOTVIN Iris Forceps....53
BOWMAN Lacrimal Probe....123, 153
BOWMAN Needle with Stop....15
BOYNTON Needle Holder....118
BRACKEN Iris Forceps....56
BROWN-ADSON Tissue Forceps....71
Brushes....138
BUCHER-KANSAS Nucleus Trisector....31, 144, 146
Bulldog Clamps....79-80
BUNGE Evisceration Spoon....41
BURATTO II Acrylic IOL Implantation Forceps....45
BURATTO LASIK Flap Forceps....48, 149
BURATTO Soft IOL Inserting Forceps....46, 144-146

C

Cables....75
Calipers....130-131
Cannula....144-148, 150, 152-154, 156-158
Canthus Specula....6
Cap replacement....32, 34-35, 128
Capsule Forceps....43-44
Capsulorhexis Forceps....43-44
Capsulotomy Scissors....83
Carbon Surgical Blades....134
Care & Cleaning....136-142
Care & Cleaning Products....136-142
Case for SCHIOTZ Tonometers....130
Cassettes....140-142
CASTROVIEJO (ALVIN) Fixation Forceps....65
CASTROVIEJO Blade Breaker & Holder....134
CASTROVIEJO Caliper....130, 144-147, 150, 152, 154
CASTROVIEJO Capsule Forceps....44
CASTROVIEJO Colibri Corneal Forceps....52
CASTROVIEJO Corneal Scissors....85-86, 88
CASTROVIEJO Corneal Section Scissors....85
CASTROVIEJO Corneoscleral Scissors....84, 156
CASTROVIEJO Cyclodialysis Spatula....23, 154
CASTROVIEJO Eye Speculum....4-5, 154
CASTROVIEJO Fixation Forceps....65
CASTROVIEJO Forceps....44, 50, 52, 65, 144-146, 148, 150, 153-154
CASTROVIEJO Keratoplasty Scissors....88
CASTROVIEJO Lacrimal Dilator....122, 153
CASTROVIEJO Needle Holder....116-117, 148, 150-154, 156
CASTROVIEJO Spatula....22, 152
CASTROVIEJO Suturing Forceps....50, 145-146, 148, 150, 153-154
CASTROVIEJO Universal Corneal Scissors....85
Cataract Knives....14
Chalazion Curettes....21
Chalazion Forceps....62-64
Chalazion Surgery Set....151
CHANDLER (GILL) Iris Forceps....53
CHANG DUO Quick Chopper....28, 156
Chisels....126
Chopper....27-28, 44
Cilia Forceps....60-61
Clamps....78-81, 153
CLAYMAN Intraocular Lens Holding Forceps....47
CLAYMAN Lens Holding Forceps....47
CLAYMAN Nucleus Rotator....28
CLAYMAN-JAFFE Lens Manipulating Hook....34
Cleaning & Care....136-142
Clip Applying Forceps....81
Clips....81
CLODIUS Orbital Retractor....10
COBAUGH Eye Dressing Forceps....56
COBAUGH Iris Forceps....56
Colibri Forceps....52
Color Bands....138
Color Tapes....138
Combined ECCE Set....144
Combo Prechopper....44
Conjunctival Scissors....86-87
Controller....30
CONVERSE (WILMER) Conjunctival & Utility Scissors....87
COOK Eye Speculum....3
Corneal Dissector....15
Corneal Forceps....51-52, 57, 68
Corneal Hook....36
Corneal Knives & Dissectors....15
Corneal Scissors....83-86, 88
Corneal Shields....12
Corneal Spud....16
Corneal Transplant Set....148
Corneoscleral Scissors....84
CrystaLens Forceps....45
CUMMING CrystaLens Forceps....45
Curettes....21
Cutting Platform....31, 144, 146
Cyclodialysis Spatula....23
Cyclodialysis Spoon & Spatula....23
Cystotome....16

D

DAVIEL Lens Spoon....41
DAVIS Foreign Body Spud....16
DEAN Knife-Needle....15
DeBAKEY-Adson Tissue Forceps....71
DESMARRES Chalazion Forceps....64
DESMARRES Corneal Dissector....15
DESMARRES Lid Retractor....9, 150
DESMARRES Lid Retractor, Insulated....9
DeWECKER Iris Scissors....97
DIEFFENBACH Serrefine....80, 148, 152, 154
DIETHRICH Micro Bulldog Clamp....80
Dilators....122
Disposable Bipolar Cord....75, 144-146, 150, 154
Disposable Blades....134
Dissection Knives....14
DIX Foreign Body Needle....18
DIX Foreign Body Needle & Gouge....18
DIX Foreign Body Needle & Spud....18
DIX Foreign Body Spud....17, 18
DODICK IOL Folding Forceps....46, 144, 146
DODICK Nucleus Cracker....45, 144-145
DOUGLAS Cilia Forceps....60
Dressing Forceps....53-57, 68-70, 72, 153
DREWS Needle Holder....115, 144-145
DRYSDALE Nucleus Manipulator....30

E

ECCE SET (Combined)....144
ECCE SET (Phacoemulsification)....145
Elevators....23-24, 126
ELLIS Foreign Body Spud....17
ELSCHNIG Fixation Forceps....66
Endocapsular Controller....30
Entropium Forceps....62
Enucleation Scissors....87, 155
Enucleation Scoop....41
Enucleation Surgery Set....155
Enzymatic Cleaner....136
ERHARDT Lid Forceps....62, 150
Evisceration Spoon....41
Expressor....38
Extra-Capsular Forceps....43-44
Eye Dressing Forceps....53-57, 68-70, 72, 153
Eye Magnet....19
Eye Magnet & Foreign Body Loop....19

Eye Scissors, probe tips 102-103
Eye Shields 12
Eye Suture (GRADLE) Scissors 92-93, 104
Eye Suture Scissors 92-93, 104
Eyelid Retractors 9-10
EZ-ZYME® All Purpose Enzyme Cleaner 136

F

Fascia Needle 12
FAULKNER Lens Holding Forceps 48
FEASTER Speculum 2
FELD Blepharoplasty Forceps 73
FENZL Lens Manipulating Hook 34-35
FINE Stitch Scissors 103
FINE-THORTON Swivel Fixation Ring 39, 144-145, 149
Finger Held Retractors 9-12
FISHER-SMITH Iris Spatula 22
FISHER Spoon & Needle 22, 41, 152
Fixation Forceps 51, 57, 65-66
Fixation Hook 36
Fixation Ring 39
Flap Elevator 23-24
Flap Manipulator 23-24
Flexible Neck Rake Retractors 11
Flexible Stainless Ruler 131
FOERSTER Eye Dressing Forceps 55
FOERSTER Iris Tissue Forceps 55
FOMON Ball End Retractors 10
FOMON Periosteal Elevator 126
Forceps 43-75
Foreign Body Forceps 58-59, 68
Foreign Body Gouge 18-19
Foreign Body Instruments 16-19, 58-59, 68
Foreign Body Loop 19
Foreign Body Needle 18
Foreign Body Spuds 16-18
Fragment Forceps 45
FRANCIS Chalazion Forceps 64, 151
FREER Chisel 126, 153
FREER Elevator 126, 153
French Pattern Lacrimal Probe 123
FRIEDMAN Rongeur 124
FUCHS Extra-Capsular Forceps 44

G

GASKIN Fragment Forceps 45
GASS Retinal Detachment Hook 39, 154, 158
Gauge 131
GERZOG Mallet 128, 153
GILL (CHANDLER) Iris Forceps 53
GILL Corneal Knife 15
GILL Iris Forceps 52
GILL-HESS Iris Forceps 53
GILLS Capsulotomy Scissors 83
GILLS-VANNAS Scissors 94
GIRARD Synechiae Spatula 25
Glaucoma Surgery Set 147
Globe Fixation Ring 39
GOLDMAN-FOX Scissors 108-109
GOLDSTEIN Lacrimal Sac Retractor 8
Golf Club Foreign Body Spud 17
Goniotomy Knife 16
Gouge 18-19, 126
GRADLE Cilia Forceps 61
GRADLE Scissors 92-93, 104
GRAEFE Eye Dressing Forceps 56
GRAEFE Fixation Forceps 65
GRAEFE Iris Forceps 56
GRAUL Iris Scissors 102
GRAUL Tissue Forceps 73
GRAZER Blepharoplasty Forceps 73
GREEN Fixation Forceps, T-Shape 65
GREEN Needle Holder & Suturing Forceps 118
GREEN Spatula 22, 152
GREEN Strabismus Hook 38, 152
GREENBERG PAR Scissors, TC 111
GRIFFITHS-BROWN Tissue Forceps 71
Guard/cap replacement 32, 34-35
GUTHRIE Fixation Hook 36, 150
GUYTON-PARK Eye Speculum 6

H

HALLE (TIECK) Infant Nasal Speculum 127
HALSTED Mosquito Forceps 77-78, 150, 153-156
HARMON Fixation Forceps 66
HARMS Tying & Suturing Forceps 49, 152
HARMS Colibri Forceps 52, 148, 156
HARTMAN Mosquito Forceps 77, 144-145, 147-148, 152, 156
HAYNES Suture Scissors 105
HEATH Chalazion Curette 21
HEATH Chalazion Forceps 63
HEBRA Chalazion Curette 21
Hemostats 77-81
HERZIG LASIK Elevator & Retreatment Spatula 24, 149
HESS-GILL Iris Forceps 53
HIRSCHMAN Iris Hook 36
HIRSCHMAN Lens Spatula 24
HOFMANN-THORTON Globe Fixation Ring 39
HOOD Iris Scissors, TC 101
HOOD Micro Dissecting Scissors 108
HOOD Micro Stitch Scissors 107
Hook with Retractor 12, 37
Hooks 10-12, 34-38
HOSFORD Foreign Body Spud 17
HOSFORD Lacrimal Dilator 122
HUNKELER IOL Manipulator 32
HUNT Chalazion Forceps 63, 151

I

Implantation Forceps 45
INAMURA Capsulorhexis Forceps 43, 144
Infant Lid Speculum 2
Instrument Cables 75
Instrument Care & Cleaning 136-142
Instrument Care Kit System 137
Instrument Care Training DVD 137-138
Instrument Guards 139
Instrument Lubricant 136-137
Instrument Marking Products 138-139
Instrument Prep Enzyme Foam 136
Insulated Retractors 9
Intraocular Lens Forceps 45-48
IOL Forceps 45-48
IOL Manipulating Hooks 34-35
IOL Manipulator 32, 34-35
Iris Forceps 50, 52-57, 155-156
Iris Hooks 35-36
Iris Operating Scissors 103
Iris Scissors 93-103, 144, 146-147, 150-151, 153-154, 156
Iris Scissors, SC 100
Iris Scissors, SC/TC 100
Iris Scissors, TC 98, 100-101
Iris Spatulas 22
Iris Utility Scissors 101
Irrigation Cannula 144-145, 147-148, 150, 152-154, 156, 158

J

JABALEY Scissors, SC 112
JACOBSON Micro Mosquito Forceps 77
JAEGER Lid Plate 10, 150-151
JAFFE Lens Manipulating Hook 34
JAFFE Lens Spatula 24
JAFFE Stitch Scissors 103, 148
JAFFE Tying Forceps 49
JAFFE-BECHERT Nucleus Rotator 28, 144-145, 156
JAMESON Caliper 131
JAMESON Recession & Muscle Forceps 64
JAMESON Strabismus Hook 38, 152
JANSEN Dressing Forceps 72
Jeweler Style Forceps 58-59, 74
Jeweler's Bipolar Forceps 74, 144-146, 150, 154
JOHNS HOPKINS Bulldog Clamp 79-80
JONES Towel Clamp 78, 144-145, 147-148, 150, 156
JOSEPH Periosteal Elevator 126

K

HIRSCHMAN Iris Hook 36
KANSAS Nucleus Bisector 30, 144, 146
KANSAS Nucleus Trisector 31
KANSAS Nucleus Vectis 31, 146
KASDAN Retractor 9
KATZIN Corneal Transplant Scissors 83
KAWAMOTO Double Ended Retractor 9
KAYE Blepharoplasty Scissors 111-112
KELLAN Capsulorhexis Forceps 43
KELMAN-McPHERSON Forceps 49, 144-145
Keratoplasty Scissors 88
KERRISON Rongeur 125, 153
KILNER (RAGNELL) Scissors 110
KIRBY Cornea-Scleral Forceps 57
KIRBY Fixation Forceps 57, 66, 152
KIRBY Iris Forceps 57
KIRBY Muscle Hook & Expressor 38
KITS 144-156
KNAPP (ROLLET) Retractor 11, 150, 153
KNAPP Cataract Knife 14
KNAPP Eye Speculum 4
KNAPP Iris Scissors 102
KNAPP Knife-Needle 14
KNAPP Lacrimal Sac Retractor 11, 153
Knife Handles 133, 144-147, 150, 152-154, 156
Knives 14-18
Knives-Needles 14-15
KNOLLE Iris Hook 36
KOCH Nucleus Spatula 25
KOCH Phaco Manipulator & Splitter 27
KRAFF-UTRATA Capsulorhexis Forceps 43, 145, 146, 156
KRATZ Lens Holding Forceps 48
KRATZ Style Speculum 1, 6
KRATZ-BARRAQUER Speculum 1
KRITZINGER-UPDEGRAFF LASIK Flap 23, 149
KUGLEN Iris Hook & Lens Manipulator 35, 144-146
KURTH Suture Forceps 67

L

LA GRANGE Sclerectomy Scissors 108
Lacrimal Dilators 122
Lacrimal Instruments 8, 11, 122-128
Lacrimal Probes 123-124
Lacrimal Retractors 8, 11
Lacrimal Surgery Set 153
LAMBERT Chalazion Forceps 63
LANCASTER Eye Speculum 4, 155

Laser Eye Shields 12, 150
LASIK Flap Elevator 23-24
LASIK Flap Manipulator 23-24
LASIK Forceps 48
LASIK Retreatment Spatula 23-24
LASIK Spatula 23-24
LASIK Surgery Set 149
LEMPERT Rongeur 125
Lens Holding Forceps 47-48
Lens Hooks 34-35
Lens Loop 41
Lens Manipulating Hooks 34-35
Lens Spatula 24
Lens Spoon 41
LESTER Fixation Forceps 66, 152
LESTER IOL Manipulator 32, 144-145
LEWIS Lens Loop 41
Lid Forceps 62-64
Lid Retractors 9-10
Lid Surgery Set 150
LIEBERMAN Eye Speculum 5-6, 144-146, 148-149, 152
LIEBERMAN Micro Ring Lens Forceps 46
LINDNER Cyclodialysis Spoon & Spatula 23
LIPPMAN Nucleus Spatula 25
LISTER Dissecting Forceps 73
LITTAUER Cilia Forceps 60
LIVERNOIS IOL Folding Forceps 46, 144-145
Loop 19, 41
LORNA Non-Perforating Towel Clamp 79
Lubricants 136-137
LUCAE Dressing Forceps 72

M

MACHAT LASIK Retreatment Spatula 24, 149
Magnet 19
Mallets 128
MALONEY IOL Manipulator 32
MALTZMAN-FENZL Lens Manipulating Hook 35
MANHATTAN EYE & EAR Suturing/Fixation Forceps 51, 151
Manipulator 23, 27, 29-30, 32, 34-35
Manual Phacofracture Set 146
Marking Bands & Tapes 138-139
Mats 140-142
MAUMENEE-PARK Eye Speculum 6
McCLURE Iris Scissors 97
McCULLOUGH Suturing Forceps 51, 67
McCULLOUGH Utility Forceps 51, 67
McGANNON Hook & Retractor 12, 37
McGUIRE Corneal Scissors 86
McINTYRE Speculum 3
McPHERSON Micro Corneal Suturing Forceps 51
McPHERSON Micro Iris Suturing Forceps 50, 150
McPHERSON Needle Holder 115
McPHERSON Tissue Forceps 50
McPHERSON Tying Forceps 49, 154
McPHERSON-VANNAS Micro Iris Scissors 95
McPHERSON-WESTCOTT Conjunctival Scissors 86
McPHERSON-WESTCOTT Stitch Scissors 104, 147
MELLER Lacrimal Sac Retractor 8
MELLINGER Eye Speculum 4, 147
MENDEZ Multi-Purpose LASIK Forceps 48
METZENBAUM Scissors 109-110, 156
MEYERHOEFER Chalazion Curette 21, 151
Micro (Jeweler) Forceps 58-59, 74
Micro ADSON Dressing Forceps 57, 69
Micro ADSON Tissue Forceps 57, 69, 156
Micro Boley Gauge 131
Micro Clamps 79-81
Micro Clip Approximator Set 81
Micro Clips 81
Micro FRIEDMAN Rongeur 124
Micro Iris Scissors 95, 98
Micro Mosquito Forceps 77
Micro Scissors 98
Micro Surgery Needle Holders 115-116
Micro Suture Forceps 50-51, 54-55, 59
Micro VANNAS Scissors 95
Micro Vessel Clips 81
Microsurgical Plastic Tray/Mat 141-142
MILTEX-CASTROVIEJO Needle Holder 117
MILTEX-VANNAS Scissors 94, 147
MILTEX Blepharoplasty Scissors 112
MILTEX Care & Cleaning 136-142
MILTEX Extra-Capsular Forceps 43
MILTEX Eye Magnet 19
MILTEX Hook 38
MILTEX Iris Scissors 98
MILTEX Mallet 128
MILTEX Micro Surgery Needle Holders 116
MILTEX Stitch Scissors 105
MILTEX Tray with Silicone Mat 141-142, 144-156
MILTEX Utility Scissors 107
Miniature Blade Handle 133, 144-147, 150, 152-154, 156
MOSBY Utility Scissors 107
Mosquito Forceps 77-78
MULDOON Lacrimal Dilator 122
MURDOCK Eye Speculum 3
Muscle & Recession Forceps 64
Muscle Hook 38

N

NAGAHARA Nucleus Spatula 25
NAGAHARA Phaco Chopper 27-28, 156
NASAL APPROACH Eye Speculum 2
Nasal Speculum 127-128
Needle 12, 14-15, 18, 22, 41
Needle Holders 114-120
Needles-Knives 14-15
NOYES (ROSS) Iris Scissors 96
NOYES Iris Scissors 96
Nucleus Bisector 30
Nucleus Cracker 45
Nucleus Instruments 25-32, 45, 144-146, 156
Nucleus Rotator 28-29
Nucleus Spatula 25
Nucleus Trisector 31, 144, 146
Nucleus Vectis 31
NUGENT Hook 37
NUGENT Utility Forceps 67, 154
Nylon & Stainless Steel Brushes 138
Nylon Cap Replacement 128

O

O'BRIEN Fixation Forceps 66
O'BRIEN Stitch Scissors 106
O'CONNOR Hook 37
O'CONNOR Iris Forceps 55
OBSTBAUM Synechiae Spatula 24
OLMSTEAD Tissue Forceps 73
OLSEN-HEGAR Needle Holder 120
Orbital Retractor 10, 11
OSHER Utility Hook 36
OSHER Y-Hook Lens Manipulator 35

P

PADGETT-CASTROVIEJO Needle Holder 117
PADGETT-STEVENS Tenotomy Scissors 89-91
PADGETT Blepharoplasty Scissors 112
PADGETT Iris Scissors 93-94, 96, 98, 100-102
PADGETT Iris Scissors, TC 98, 100-101
PADGETT Strabismus Scissors 88
PADGETT Suture/Stitch Scissors 105
PAR Needle Holder 119
PAR Scissors 110-111
PATON Needle Holder 118
Periosteal Elevators 126
PERONE LASIK Forceps 48
Phaco Chopper 27-28, 44
Phaco Manipulator 27
Phaco Splitter 27
Phacoemulsification Set 145
Phacofracture Set 146
PIERSE Colibri Corneal Forceps 52, 144-145, 147-148, 156
Pigtail Probe 124
PISACANO Nucleus Rotator 29
Plain Wire Eye Speculum 2
Plastic Tray/Silicone Mat 141-142
Prechopper 44
PRINCE Trachoma Forceps 64
Probe Tip Eye Scissors 102-103
Probes 123-124
Procedure Sets 144-156
Ptosis Forceps 62

R

RAGNELL (KILNER) Scissors 110
Rake Retractors 11
Recession & Muscle Forceps 64
REEH Stitch Scissors 105
RENTSCH "Boat Hook" Lens Manipulator 35
Replacement guard/cap 32, 34-35
Retinal Detachment Hook 39, 154, 158
Retractor with Hook 12, 37
Retractors 8-12, 37
Retreatment Spatula 23-24
REYNOLDS Scissors 109
RICH Corneal Transplant Scissors 84
Ring Lens Forceps 46
ROLLET (KNAPP) Retractor 11, 150, 153
Rongeurs 124-125
ROSEN Phaco Splitter 27, 144-145
ROSS (NOYES) Iris Scissors 96
Rotator 28-29
ROWEN Phaco Splitter Combo 27
RUEDEMANN Infant Lacrimal Dilator 122
Rulers 131

S

SAUER Eye Speculum 3
SAUER Suturing/Fixation Forceps 51, 153
Scalpel Handles 133, 144-147, 150, 152-154, 156
SCHAAF Foreign Body Forceps 68
SCHEPENS Orbital Retractor 11, 154
SCHIOTZ Tonometer 130
SCHOCKET Scleral Depressor 154, 158
SCHWARTZ Clip Applying Forceps 81
SCHWARTZ Vessel Clip 81
SCHWEIGER Extra-Capsular Forceps 44, 144
Scissors 83-112
Scleral Depressor 154, 158
Scleral Forceps 57
Sclerectomy Scissors 108
Scoop 41
Self Retaining Retractors 8
Self-Locking Chuck Knife Handle 133
SELTZER Hook 38
SEMKEN Dressing Forceps 72
SEMKEN Tissue Forceps 72
SERREFINE Clamps 80
Sets 144-156
SHEPARD Intraocular Lens Holding Forceps 47
SHEPARD Iris Hook 35
SHORTBENT Stitch Scissors 106
SIEGEL Knife Handle 133
SIEPSER Endocapsular Controller 30
Silicone mats 140-142
SILITONE™ Color Bands 138

SINSKEY II Lens Manipulating Hook 34, 156
SINSKEY Lens Manipulating Hook 34
SKEELE Chalazion Curette 21
SLADE LASIK Retreatment Spatula 23, 149
Sleeve Spreading Forceps 75, 154
SLIMLINE Series 140
SMITH Corneal Protection Shields 12
SMITH-FISHER Iris Spatula 22
SNELLEN Entropium Forceps 62
Spatulas 22-25
Specula 1-6, 127-128
SPENCER Chalazion Forceps 63
SPENCER Stitch Scissors 106
Splinter Forceps 58-59, 68
Splitter 27
Spoon 22-23, 41
Spoon & Needle 22
Spoon & Spatula 23
Spray Lube 136
Spud 16-18
Stain Remover 137
Stainless Steel Surgical Blades 134
Sterilizing Trays 140-142
STERN-GILLS Scissors 95, 144-145
STEVENS Iris Forceps 55
STEVENS Tenotomy Hook 37, 152
STEVENS Tenotomy Scissors 89-91, 150, 153-155
STEVENSON Lacrimal Sac Retractor 8, 153
Stitch/SutureScissors 92-93, 103-107
Storage Cassettes 140-142
Strabismus Forceps 57
Strabismus Hooks 38
Strabismus Scissors 88-89
Strabismus Surgery Set 152
Suction Handle 12
Surgical Blades 134
Surgical Instrument Cleaner 136
Surgical Instrument Cleaner & Lubricant 137
Surgical Instrument Stain Remover 137
Suture/Stitch Scissors 92-93, 103-107
Suturing Forceps 49-52, 59-61, 67, 70
SWISS Cilia & Suture Forceps 60
SWISS Jeweler Style Forceps 58-59, 74
Swivel Fixation Ring 39
Synechiae Spatula 24-25

T

T-Shape Fixation Forceps 65
TAPE N' TELL™ Adhesive Strips 139
TEMPORAL Approach Speculum 2, 144-145
TENNANT Nucleus Rotator 29
TENNANT Tying Forceps 49, 144-145, 148
Tenotomy Hook 37
Tenotomy Scissors 89-92
THOMAS Iris Scissors 101
THORPE Caliper 131
THORPE Corneal & Splinter Forceps 68
THORTON Globe Fixation Ring 39
TIECK (HALLE) Infant Nasal Speculum 127
TIP-IT™ Instrument Guards 139
Tonometer 130
TOOKE Corneal Knife 15
Towel Clamps 78-79, 144-145, 147-148, 150, 153, 156
Trachoma Forceps 64
Trays 141-142
Trephine 127
Trisector 31, 144, 146
TROUTMAN-BARRAQUER Blade Breaker 134
TROUTMAN-BARRAQUER Colibri Forceps 52, 156
TROUTMAN-CASTROVIEJO Corneoscleral Scissors 84
TROUTMAN-KATZIN Corneal Transplant Scissors 83, 148
Tying Forceps 49-52, 67, 70
TYRELL Hook 37

U

Universal Cassette & Mats 140-142
Universal Prechopper 44
UPDEGRAFF-KRITZINGER LASIK 23
URIBE-STERN Scissors 95
UTHOFF-GILLS Capsulotomy Scissors 83
Utility Forceps 67-68
Utility Hook 36
Utility Scissors 87, 101, 107
UTRATA-KRAFF Capsulorhexis Forceps 43

V

VANNAS Capsulotomy Scissors 83
VANNAS Scissors 83, 94-95, 144-145, 147
Vessel Clips 81
Veterinary Ophthalmic Surgery Set 156
Video on Instrument Care 137-138
VIENNA Nasal Speculum 127-128, 153
Viscoelastic Aspirating Cannula 154, 158
Vitreoretinal Surgery Set 154
VON GRAEFE (BECKER) Cystotome 16, 144-145
VON GRAEFE Cataract Knife 14
VON GRAEFE Strabismus Hook 38, 150, 152, 154-155
VON GRAEFE Tissue Forceps 65

W

WALDEAU Fixation Forceps 65
WALKER Iris Scissors 101
WALTER Corneal Spud 16
WALTON Foreign Body Gouge 19
WATZKE Sleeve Spreading Forceps 75, 154
WEBSTER Needle Holder 119-120
WECKER Iris Spatula 22
WELLS Enucleation Scoop 41, 155
WEST Lacrimal Sac Chisel/Gouge 126, 153
WESTCOTT-McPHERSON Scissors 86
WESTCOTT Stitch Scissors 104, 107, 147, 150, 152-154
WESTCOTT Tenotomy Scissors 92, 144-148, 150, 152, 154, 156
WHEELER Dissection Knife 14
WIENER Corneal Hook 36
WIES Chalazion Forceps 64
WILDER Cystotome 16
WILDER Lacrimal Dilator 122
WILDER Lens Loop 41
WILLIAMS Eye Speculum 5
WILLIAMS Lacrimal Probe 123
WILLS HOSPITAL Utility Forceps 67
WILMER (CONVERSE) Conjunctival & Utility Scissors 87
WILMER (CONVERSE) Conjunctival Scissors 87
WORST Pigtail Probe 124, 153
WRIGHT Fascia Needle 12

Y

Y-Hook 35

Z

Z-Type Retractor 10
ZALDIVAR Micro Implantation Forceps 45
ZAREM-BAYLIS Eyelid Retractor 10
ZIEGLER Cilia Forceps 60
ZIEGLER Knife-Needle 14
ZIEGLER Lacrimal Dilator 122

3-072007 140
3-072014 140
3-082008 140
3-700 136
3-705 137
3-710 137
3-720 136
3-725 136
3-726 136
3-740 137
3-750 136
3-755 136
3-760 136
3-800 137
3-810 138
3-1000 138
3-1001 138
3-2501 139
3-2501C 139
3-2501T 139
3-2501V 139
3-2502 139
3-2502C 139
3-2502T 139
3-2502V 139
3-2503 139
3-2503C 139
3-2503T 139
3-2503V 139
3-2504 139
3-2504C 139
3-2504T 139
3-2504V 139
3-2505 139
3-2505C 139
3-2505T 139
3-2505V 139
3-2506 139
3-2506C 139
3-2506T 139
3-2506V 139
3-2507 139
3-2507C 139
3-2507T 139
3-2507V 139
3-2508 139
3-2508C 139
3-2508T 139
3-2508V 139
3-2509 139
3-2509C 139
3-2509T 139
3-2509V 139
3-2510 139
3-2510C 139
3-2510T 139
3-2510V 139
3-200100 ..... 141, 149, 151, 155
3-200200 ..... 141, 144-148, 150, 152-154, 156
3-200300 141
4-008115 140
4-008122 140
4-008122MAT 140
4-009126 140
4-009126MAT 140
4-083000 140
4-083000MAT 140
4-084000 140
4-084000MAT 140
4-085000 140
4-085000MAT 140
4-089100 140
4-089100MAT 140
4-7 133
4-16 ..... 133, 156
4-17 133
4-110 134
4-111 134
4-112 134
4-112B 134
4-115 134
4-115C 134
4-120 134
4-121 134
4-122 134
4-123 134
4-125 134
4-310 134
4-311 134
4-312 134
4-312B 134
4-315 134
4-315C 134
4-320 134
4-321 134
4-322 134
4-323 134
4-325 134
4-400 133
4-401 ..... 133, 144-147, 150-154, 156
4-405 133
4-6815 140
4-6815MAT 140
4-6835 140
4-6835MAT 140
5-263 112
5-269TC 111
5-283 109
5-SC-283 110
5-284 ..... 109, 156
5-SC-284 110
5-290 110
5-SC-290 110
5-300 99
5-302 99
5D-303 103
5-304 ..... 100, 144, 146-147, 150-151, 153-154, 156
5-304TC 100
5-SC-304 100
5-SC-304TC 100
5-306 100
5-306TC 100
5-SC-306 100
5-SC-306TC 100
5-308 100
5-310 103
5-312 89
5-312TC 89
5-314 89
5-314TC 89
5-320 108
5-320TC 108
5-SC-320 109
5D-324 108
5-400 107
6-104 72
6-106 72
6-107 72
6-118 68
6-118A 68
6-118XL 68
6-120 69
6-120A 69
6-120XL 69
6-121 70
6-122 70
6-123 70
6-123XL 70
6-124 71
6-124XL 71
6-125 71
6-126 71
6-127 71
7-2 78
7-4 78
7-8 ..... 78, 150, 153-154, 156
7-10 ..... 78, 150, 153, 155-156
7-24 ..... 77, 144-145, 147-148, 156
7-26 ..... 77, 152
7-280 79
7-282 79
7-284 79
7-286 79
7-290 80
7-292 80
7-294 80
7-296 80
7-298 80
7-300 80
7-302 80
7-304 ..... 80, 148, 152, 154
7-305 80
7-310 80
7-315 80
7-500 78
7-501 ..... 78, 144-145, 147-148, 150, 156
7-504 ..... 79, 153
7-506 79
7-514 79
7-515 79
8-3TC 119
8-5TC 119
8-6TC 119
8-7A-TC 120
8-7TC 120
8-14A-TC 120
8-14TC 120
8-26 118
9-100 106
9-101 106
9-110 106
9-115 105
9-116 105
9-117 105
11D-27 11
11-30 11
11-32 11
11-34 11
11-36 11
11-38 11
11-40 11
17-301 58
17-302 58
17-303 58
17-303C 58
17-303X 58
17-304 58
17-305 58
17-305X 58
17-306 58
17-307 58
17-307X 58
17-1000 116
17-1020 116
17-2500 ..... 57, 69, 156
17-2510 ..... 57, 69
17-2600 77
17-2602 77
17-4000 81
17-4005 81
17-4010 81
17-4015 81
17-4030 81
17-4050 81
17-4060 81
17-4070 81
17-4100 81
17-4102 81
17-4800 124
17-4801 124
17D-4802 124
18-2 ..... 4, 155
18-3 3
18-4 4
18-7 1
18-8 1
18-9 1
18-10 4
18-12 ..... 5, 154
18-16 3
18-17 1
18-18 1
18-22 5
18-24 5
18-32 6
18-33 6
18-34 2
18-35 ..... 1, 147-148, 156
18-36 ..... 1, 156
18-37 ..... 5, 152
18-38 ..... 5, 148, 152
18-39 ..... 6, 144-146, 149
18-40 2
18-44 ..... 2, 144-145
18-45 2
18-46 2
18-47 3
18-50 3
18-63 3
18-64 3
18-66 ..... 4, 147
18-68 4
18-80 8
18-84 8
18-88 8
18-96 ..... 8, 153
18-100 ..... 11, 150
18-102 ..... 11, 153
18-110 9
18-112 ..... 9, 150
18-114 ..... 9, 150
18-116 ..... 9, 150
18-120 ..... 10, 150, 151
18-121 39
18-122 39
18-123 ..... 39, 144, 145, 149
18-124 39
18-132 130
18-132A 130

18-139 130
18-140 14
18-142 14
18-144 14
18-146 14
18-148 14
18-152 14
18-154 14
18-170 134
18-171 134
18-172 134
18-250 ..... 11, 154
18-259 14
18-260 14
18-262 14
18-264 14
18-270 14
18-292 15
18-301 17
18-302 16
18-304 16
18-308 15
18-314 ..... 16, 144-145
18-320 16
18-330 15
18-331 15
18-344 16
18-350 15
18-370 18
18-372 16
18-374 17
18-376 19
18-380 17
18-384 17
18-388 17
18-390 17
18-398 19
18-398M 19
18-399 19
18-400 18
18-402 18
18-402A 18
18-402B 18
18-404 18
18-412 37
18-414 37
18-416 ..... 36, 150
18-417 36
18-418 36
18-420 36
18-421 35
18-424 37
18-428 37
18-439 ..... 12, 37
18-440 ..... 37, 152
18-442 ..... 38, 152
18-446 ..... 38, 152
18-450 ..... 38, 152
18-452 .... 38, 150, 152, 154-155
18-454 ..... 38, 152
18-455 34
18-456 34
18-457 34
18-458 34
18-459 35
18-460 35
18-461 35
18-462 35
18-463 34
18-464 34
18-465 34
18-466 ..... 34, 156
18-467 35
18-468 ..... 35, 144-146
18-469 36
18-470 36
18-472 41
18-480 41
18-482 41
18-484 41
18-486 41
18-498 21
18-499 21
18-500 ..... 21, 151
18-502 ..... 21, 151
18-504 ..... 21, 151
18-506 ..... 21, 151
18-510 21
18-512 21
18-514 21
18-520 21
18-522 21
18-524 21
18-530 21
18-532 21
18-534 21
18-536 21
18-540 41
18-542 41
18-550 ..... 41, 155
18-562 23
18-564 ..... 22, 152
18-566 22
18-568 ..... 22, 41, 152
18-569 12
18-570 ..... 22, 152
18-573A 23
18-574 ..... 23, 154
18-576 23
18-584 22
18-585 24
18-586 24
18-587 25
18-588 25
18-589 25
18-590 24
18-591 25
18-592 ..... 24, 149
18-593 ..... 23, 149
18-594 ..... 23, 149
18-595 2
18-596 3
18-597 ..... 24, 149
18-613 38
18-620 57
18-624 57
18-628 ..... 57, 66, 152
18-632 57
18-650 ..... 130, 144-147, 150, 152, 154
18-657 131
18-658 131
18-660 131
18-680 122
18-688 122
18-691 ..... 122, 153
18-692 122
18-694 122
18-696 122
18-698 122
18-700 122
18-710 123
18-712 123
18-714 123
18-716 123
18-718 123
18-720 123
18-722 123
18-724 123
18-726 123
18-728 123
18-730 123
18-732 123
18-740 ..... 123, 153
18-742 ..... 123, 153
18-744 ..... 123, 153
18-746 ..... 123, 153
18-748 ..... 123, 153
18-750 ..... 123, 153
18-779 ..... 53, 156
18-780 ..... 53, 153
18-781 53
18-782 53
18-783 53
18-784 53
18-785 ..... 54, 156
18-786 ..... 54, 155
18-787 54
18-788 54
18-789 54
18-790 54
18-791 54
18-793 55
18-794 56
18-795 55
18-795A 55
18-796 55
18-798 55
18-804 55
18-814 56
18-816 56
18-818 56
18-820 56
18-825 53
18-827 ..... 52, 156
18-828 52
18-829 53
18-830 53
18-834 52
18-835 51
18-836 ..... 51, 152
18-837 51
18-838 51
18-840 57
18-850 65
18-852 65
18-854 65
18-860 65
18-866 54
18-867 54
18-868 .... 54, 147, 150, 154, 156
18-876 65
18-878 65
18-880 .... 52, 144-145, 147-148
18-881 ..... 52, 156
18-883 52
18-896 65
18-897 65
18-904 66
18-906 66
18-912 66
18-914 ..... 66, 152
18-916 66
18-920 49
18-921 49
18-922 ..... 49, 154
18-923 ..... 49, 144-145, 148
18-924 ..... 49, 144-145, 148
18-925 49
18-928 ..... 52, 148, 156
18-929 50
18-930 50
18-931 ..... 49, 144-145
18-946 ..... 49, 152
18-947 49
18-948 ..... 50, 150
18-949 50
18-950 50
18-951 .... 50, 148, 150, 153-154
18-952 50
18-953 .... 50, 144-146, 148, 154
18-954 50
18-955 50
18-956 67
18-958 ..... 67, 154
18-962 67
18-964 67
18-966 ..... 51, 67
18-970 67
18-971 .... 68, 144, 150, 153-154
18-974 ..... 51, 153
18-975 ..... 51, 151
18-978 68
18-980 68
18-981 45
18-1000 43
18-1002 43
18-1034 43
18-1050 44
18-1058 ..... 44, 144
18-1060 44
18-1070 ..... 46, 144-146
18-1071 45
18-1072 ..... 46, 144, 146
18-1073 ..... 46, 144, 145
18-1080 47
18-1081 47
18-1082 47
18-1083 47
18-1084 47
18-1085 45
18-1086 48
18-1087 48
18-1089 46
18-1090 45
18-1091 ..... 48, 149
18-1092 48
18-1093 48
18-1094 ..... 43, 144
18-1095 43
18-1096 43
18-1097 43
18-1098 ..... 43, 145, 146, 156
18-1100 60
18-1102 60
18-1104 60
18-1106 60
18-1107 60
18-1110 61
18-1111 61
18-1112 ..... 61, 147
18-1114 61
18-1116 61
18-1138 ..... 62, 150

18-1150 ..... 62, 150
18-1160 62
18-1162 62
18-1170 63
18-1171 62
18-1172 63
18-1174 63
18-1178 ..... 63, 151
18-1182 63
18-1188 63
18-1190 64
18-1200 64
18-1202 64
18-1204 64
18-1208 ..... 64, 151
18-1220 64
18-1260 64
18-1262 64
18-1335 ..... 103, 148
18-1392 102
18-1394 102
18-1396 99
18-1398 99
18-1404 98
18-1405 98
18-1409 93
18-1410 93
18-1415 99
18-1416 99
18-1417 99
18-1418 99
18-1419 101
18-1420 102
18-1422 102
18-1426 102
18-1428 102
18-1430 102
18-1432 102
18-1433 103
18-1434 103
18-1440 87
18-1440TC 87
18-1441 86
18-1453 88
18-1454 88
18-1455 91
18-1456 91
18-1460 90
18-1462 90
18-1464 90
18-1466 90
18-1470 90
18-SC-1470 90
18-1472 ..... 90, 150, 154-155
18-SC-1472 90
18-1474 90
18-SC-1474 90
18-1476 ..... 90, 153-154
18-SC-1476 90
18-1477 89
18-1478 89
18-1480 107
18-1485 ..... 104, 147
18-1486 ..... 107, 150, 152-154
18-1487 92
18-1488 92
18-1489 ..... 92, 144-148, 150, 152, 154, 156
18-1494 87
18-1496 87
18-1498 ..... 87, 155
18-1510 96
18-1512 96
18-1514 96
18-1516 96
18-1520 96
18-1521 ..... 96, 147
18-1524 97
18-1550 97
18-1552 97
18-1554 97
18-1558 85
18-1559 85
18-1560 85
18-1562 85
18-1565 85
18-1566 85
18-1567 85
18-1568 85
18-1570 ..... 85, 88
18-1572 ..... 85, 88
18-1574 84
18-1575 84
18-1576 86
18-1578 86
18-1579 ..... 84, 156
18-1580 ..... 84, 156
18-1581 88
18-1583 84
18-1584 84
18-1585 84
18-1586 84
18-1587 83
18-1588 83
18-1589 ..... 83, 148
18-1590 ..... 83, 148
18-1591 84
18-1592 84
18-1594 86
18-1596 86
18-1600 86
18-1602 86
18-1604 86
18-1616 83
18-1617 83
18-1618 98
18-1619 98
18-1620 83
18-1622 ..... 83, 144-145
18-1623 83
18-1624 83
18-1625 95
18-1626 95
18-1630 95
18-1631 95
18-1633 98
18-1634 98
18-1635 ..... 94, 147
18-1636 94
18-1637 94
18-1638 94
18-1639 94
18-1640 ..... 95, 144-145
18-1641 95
18-1652 ..... 92, 104
18-SC-1652 ..... 92, 104
18-1653 ..... 93, 104
18-1800 118
18-1810 118
18-1816TC 117
18-1820 116
18-1824 ..... 116, 150
18-1828 ..... 116, 152
18-1828A-TC 116
18-1828TC 116
18-1831 ..... 117, 154
18-1832 ..... 116, 156
18-1832A-TC 117
18-1832TC 117
18-1833 ..... 117, 148, 151, 153-154, 156
18-1834 118
18-1837 115
18-1838 ..... 114, 147, 150
18-1839 114
18-1840 114
18-1850 114
18-1852 114
18-1853 ..... 114, 152
18-1854 114
18-1856 114
18-1857 114
18-1860 115
18-1861 115
18-1862 115
18-1863 ..... 115, 144-145
18-1864 115
18-1865 115
18-1866 115
18-1867 115
18-1934 77
18-1936 77
18-1950-7 127
18-1950-8 127
18-1952-8 127
18-1952-9 127
18-1952-10 127
18-1960 ..... 126, 153
18-1962 ..... 126, 153
18-1964 126
18-1968 ..... 126, 153
18-1990 ..... 125, 153
18-1992 125
18-1994 125
18-1996 125
18-2000 44
18-2001 44
18-2002 ..... 31, 146
18-2003 ..... 30, 144, 146
18-2004 ..... 31, 144, 146
18-2005 ..... 31, 144, 146
18-2006 31
18-2007 28
18-2008 ..... 28, 144-145, 156
18-2009 28
18-2010 29
18-2011 29
18-2012 29
18-2013 27
18-2014 ..... 27, 144-145
18-2015 27
18-2016 ..... 45, 144-145
18-2017 ..... 28, 156
18-2018 27
18-2019 ..... 28, 156
18-2020 30
18-2021 29
18-2022 29
18-2023 30
18-2024 32
18-2025 32
18-2026 ..... 32, 144-145
18-2027 32
18-2028 ..... 23, 149
18-2029 27
18-2030 ..... 31, 144, 146
18-2031 ..... 31, 144, 146
18-2033 ..... 32, 34, 35
18-2127 ..... 39, 154, 158
18-2152 ..... 148, 158
18-2153 ..... 154, 158
18-2154 ..... 144-147, 158
18-2155 158
18-2162 ..... 144-145, 147-148, 150, 152-154, 156, 158
18-2164 158
18-2181 ..... 154, 158
19-370 72
19-371 72
19-790 ..... 128, 153
19-793 128
19-795 128
19-844 ..... 125, 153
19-1230 125
19-1232 125
20-2 ..... 128, 153
20-3 128
20-4 128
20-6 127
20-7 127
20-12 127
21-64 126
21-68 126
21-152 38
21-537TC 112
21-SC-745 110
26-1040 81
26-1041 81
26-1042 81
26-1043 81
33-121 38
68-697 131
68-699 130
015999 ..... 75, 154
017-48220 139
017-48221 139
017-48222 139
017-48223 139
017-48224 139
017-48225 139
017-48226 139
017-48227 139
017-48230 139
PM-0278 70
PM-0326 73
PM-0676 131
PM-425 133
PM-652 10
PM-760 9
PM-2165 120
PM-2169 120
PM-2404 119
PM-2405 119
PM-2414 119
PM-2440 116
PM-2441 117
PM-2445 116
PM-2446 117
PM-2700 89
PM-2701 89
PM-2705 98
PM-2706 98
PM-2908 111
PM-2911 111

PM-2930 111
PM-3100 101
PM-3102 101
PM-3726 50
PM-3727 50
PM-3731 50
PM-4136 67
PM-4212 56
PM-4213 56
PM-4246 96
PM-4247 96
PM-4249 96
PM-4250 96
PM-4278 72
PM-4311 12
PM-4312 12
PM-4315 9
PM-4315IN 9
PM-4316IN 9
PM-4317IN 9
PM-4320 9
PM-4323 62
PM-4326 9
PM-4329 10
PM-4347 9
PM-4635 101
PM-4638 105
PM-4639 105
PM-4641 89
PM-4642 89
PM-4648 105
PM-4681 73
PM-4701 93
PM-4702 93
PM-4703 94
PM-4704 94
PM-4706 88
PM-4707 88
PM-4709 117
PM-4718 107
PM-4719 73
PM-4739HK 124
PM-4739HL 124, 153
PM-4740 124
PM-4746 59
PM-4749 59
PM-4772 101
PM-4773 101
PM-4791 55
PM-4792 55
PM-4793 55
PM-4809 54
PM-4842 73
PM-4843 91
PM-4859 59
PM-4860 59
PM-4908 50
PM-4909 50
PM-4928 59
PM-4930 102
PM-4931 102
PM-4955 112
PM-4956 107
PM-4957 108
PM-4958 108
PM-5010 12
PM-5012 ..... 12, 150
PM-5015 12
PM-5020 10
PM-5381 10
PM-5430 10
PM-5435 10
PM-6105 69
PM-6106 69
PM-6115 70
PM-6121 70
PM-6125 71
PM-6126 71
PM-6200 65
PM-6245 73
PM-6435 112
PM-6436 91
PM-6450 87
PM-6451 87
PM-6751 106
PM-6815 100
PM-6815TC 100
PM-6816TC 100
PM-6818 93
PM-6845 109
PM-6845TC 109
PM-6855 110
PM-6855TC 111
PM-6856 110
PM-6856TC 111
PM-6860 90
PM-6860TC 91
PM-6862 112
PM-6863 112
PM-9056 12
PM-9323 142
PM-9325 142
PM-9326 142
PM-9410 74
PM-9411 74
PM-9420 74
PM-9421 ..... 74, 144, 146
PM-9425 ..... 74, 145, 150, 154
PM-9430 74
PM-9431 74
PM-9450 75
PM-9450D 75, 144-146, 150, 154
PM-29065 111
PM18-1220 64
STDSL27 140
VST 138
VSTA 138
VSTSA 138
VSTSB 138
VSTSD 138
VSTSG 138
VSTSK 138
VSTSL 138
VSTSN 138
VSTSP 138
VSTSR 138
VSTSU 138
VSTSW 138
VSTSY 138

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