MANDIRI SURGICALS



OPHTHALMIC INSTRUMENTS

MANDIRI SURGICALS

INTEGRA™

MANDIRI ® OPHTHALMIC INSTRUMENTS

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

The **Mandiri**® 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, **Mandiri** provides instruments to meet a variety of clinical needs for other specialties including: Plastic Surgery, Dermatology, Otolaryngology, Microsurgery, Gynecology, General Surgery as well as several other markets.

General Information:

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

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

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

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

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SPECULA



BARRAQUER Wire Speculum

1-3/4" (4.4 cm), large blades 14 mm
1-1/4" (3.2 cm), small blades 10 mm



MS-18-35



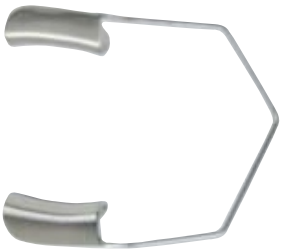
MS-18-36

BARRAQUER Wire Speculum, Solid Blades

1-1/3" (3.3 cm), small blades 10 mm
1-1/2"(3.8 cm), large blades 15 mm



MS-18-17



MS-18-18

KRATZ-BARRAQUER Wire Speculum

One solid and one open wire 15 mm blades

1-1/2" (3.8 cm), for left eye
1-1/2" (3.8 cm), for right eye



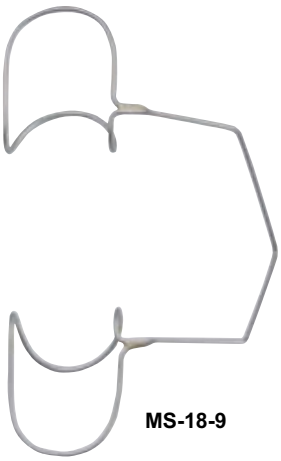
MS-18-7



MS-18-8

KRATZ-BARRAQUER Wire Speculum, with Wings

Designed to retract lids up and away from the globe
to help minimize external pressure.
1-1/2" (3.8 cm), 15 mm blades



MS-18-9

NOTE: All above instruments are Non-Magnetic

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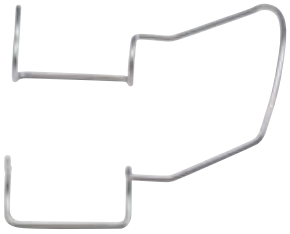
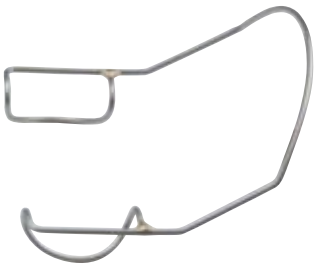
Temporal Approach Wire Speculum
with spring on nasal side
1-1/2" (3.8 cm), open wire, 15 mm blades
1-1/2" (3.8 cm), closed wire, 15 mm blades
1-1/2" (3.8 cm), solid blades, 15 mm blades



MS-18-44

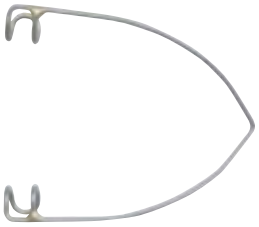


MS-18-45



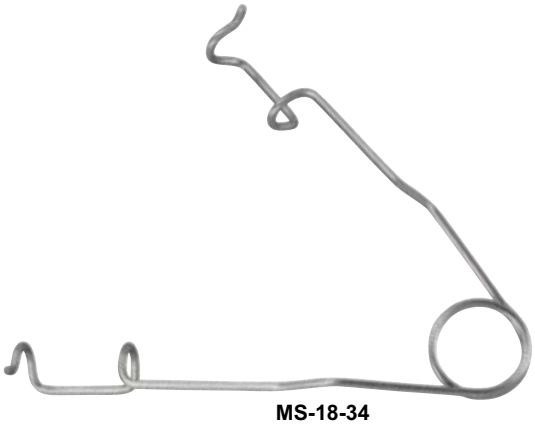
MS-18-46

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



MS-18-595

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



MS-18-34

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



MS-18-40

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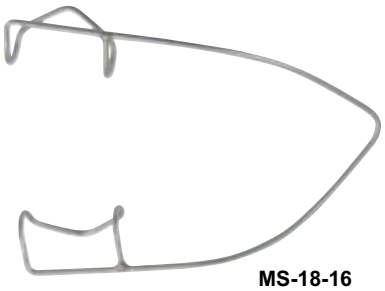
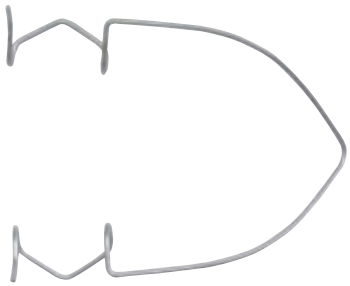
McINTYRE Wire Speculum, V-Shaped Blades
Blade shape helps to position and hold surgical drape under the eyelids.

2" (5.1 cm), closed wire, 13 mm blades
2" (5.1 cm), open wire, 13 mm blades



MS-18-16



MS-18-596

SAUER Eye Speculum, Solid Blades

1-1/4" (3.2 cm), for infants, 10 mm blades
1" (2.5 cm), for premature infants, 2 mm blades



MS-18-47



MS-18-3

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



MS-18-50

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



MS-18-63



MS-18-64

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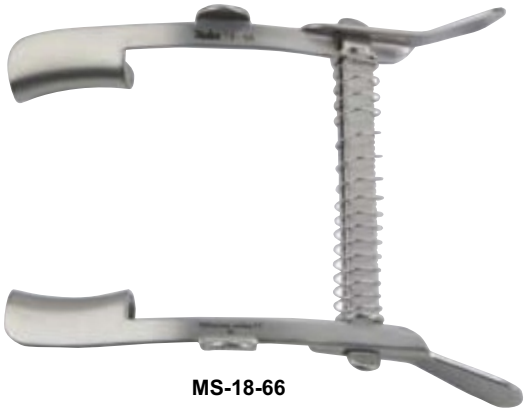
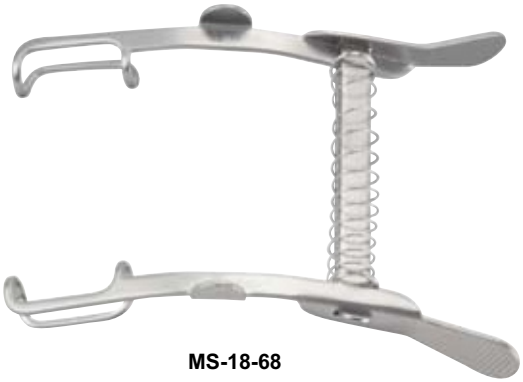
MELLINGER Eye Speculum, Self Retaining
for optimized access with Phaco or I/A tip to the cataract incision.
2-3/4" (7 cm), solid 15 mm blades
2-3/4" (7 cm), fenestrated 15 mm blades



MS-18-66



MS-18-68

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



MS-18-2

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



MS-18-4

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



MS-18-10

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



MS-18-12

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



MS-18-22

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



MS-18-24

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



MS-18-37



MS-18-38

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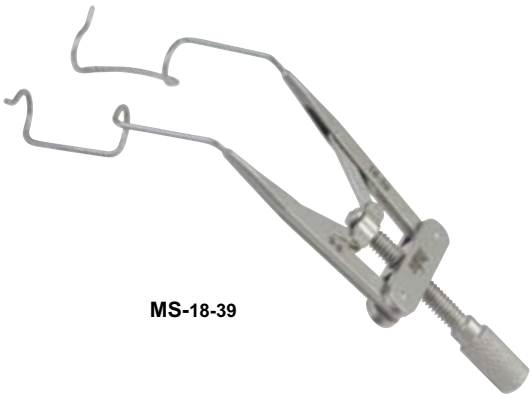
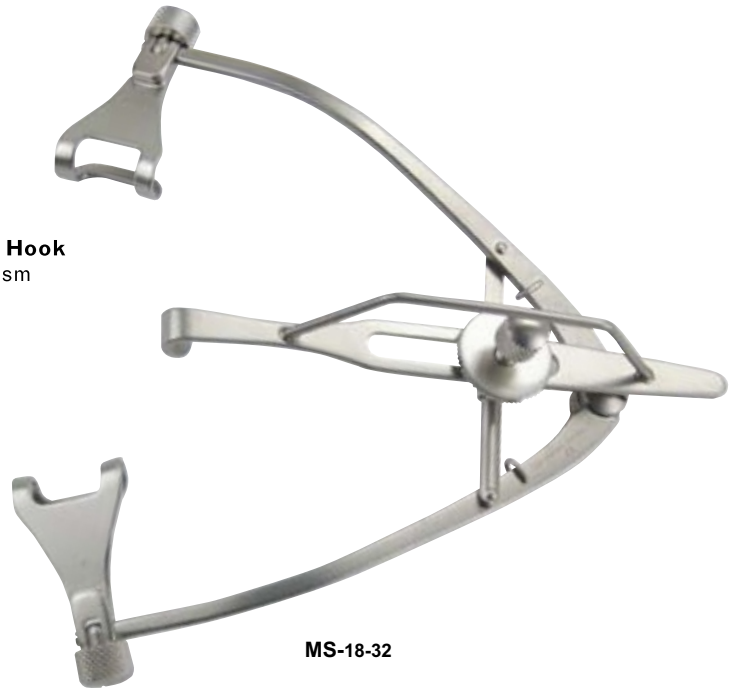
LIEBERMAN Eye Speculum, Kratz Style Open Wire Blades
with adjustable locking mechanism
2-3/4" (7 cm), 15 mm blades



MS-18-39

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



MS-18-32

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



MS-18-33

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RETRACTORS

SEFLF RETAINING

FINGER HELD



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



MS-18-80

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



MS-18-84

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



MS-18-88

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



MS-18-96

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DESMARRES Lid Retractor
5-1/2" (14 cm)
size 0, 10 mm
size 1, 12 mm
size 2, 14 mm
size 3, 16 mm
size 4, 18 mm



MS-18-110



MS-4315 MS-18-110 MS-18-112 MS-18-114 MS-18-116



MS-4315 in

DESMARRES Lid Retractor, Insulated
5-1/2" (14 cm)
size 0, 10 mm
size 1, 12 mm
size 2, 14 mm

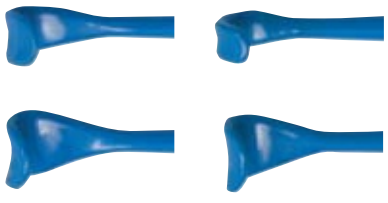


MS--4315 in MS-4316 in MS-4317 in



MS-4320

KAWAMOTO Double Ended Retractor, Insulated
6" (15.2 cm)
14 mm & 16 mm
8 mm & 10 mm
5 mm & 10 mm



MS-4326 MS-4347

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



MS-760

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Zare M-ba Ylis eyelid r etractor
clear autoclavable plastic
MS-4329* 5-1/4" (13.3 cm), 13 mm wide



MS-4329

---

cl ODius Orbital r etractor, Double ended
often called a "Z-type Retractor"
MS-652* 6-1/4" (15.9 cm), 13 mm & 20 mm wide ends



MS-652

JaeGer lid plate
MS-120 4-1/4" (10.8 cm), blades 20 mm & 23 mm
MS-5020* 4-1/4" (10.8 cm), blades 21 mm & 24 mm (not shown)



MS-120

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fOMOn ball end r etractors, with blunt ball ends
MS-5430* 6-1/4" (15.9 cm), single prong, with blunt ball end
MS-5435* 6-1/4" (15.9 cm), double prong 11 mm wide
MS-5381* 6-1/4" (15.9 cm), double prong 13 mm wide, round knurled handle



1/1



MS-5430



MS-5435



MS-5381

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MS-11-30

Flexible Neck Rake & Lacrimal Sac Retractor
6" (15.2 cm)
1 sharp prong
2 sharp prongs, 5 mm wide
3 sharp prongs, 8 mm wide
1 blunt prong
2 blunt prongs, 5 mm wide
3 blunt prongs, 8 mm wide

1 
MS-11-30

2 
MS-11-32

3 
MS-11-34

1 
MS-11-36

2 
MS-11-38

3 
MS-11-40

KNAPP Lacrimal Sac Retractor, Flexible Neck
5" (12.7 cm), 3 sharp prongs



MS-11D-27

KNAPP (ROLLET) Retractor
5-1/4" (13.3 cm), 4 sharp prongs
5-1/4" (13.3 cm), 4 blunt prongs



MS-18-100



MS-18-102

SCHEPENS Orbital Retractor
6-1/8" (15.6 cm), slightly curved



MS-18-250

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



MS-18-439

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



MS-9056

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



MS-18-569

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



MS-4311
MS-4312

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



MS-5015

MS-5010

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KNIVES

&

FOREIGN BODY INSTRUMENTS



VON GRAEFE Cataract Knife

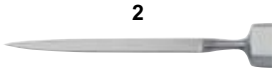
1 4-3/4" (12.1 cm), No. 1, 1.5 x 25 mm
2 4-3/4" (12.1 cm), No. 2, 1.7 x 27 mm
3 4-3/4" (12.1 cm), No. 3, 2 x 30 mm
4 5" (12.7 cm), No. 4, 2.3 x 33 mm
5 5" (12.7 cm), No. 5, 2.5 x 35 mm

1



MS-18-140

2



MS-18-142

3



MS-18-144

4



MS-18-146

5



MS-18-148

KNAPP Cataract Knife

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



MS-18-154

WHEELER Dissection Knife

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



MS-18-152

ZIEGLER Knife-Needle

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

1



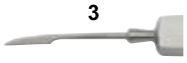
MS-18-259

2



MS-18-260

3



MS-18-262

4



MS-18-264

KNAPP Knife-Needle

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



MS-18-270

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



MS-18-292

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



MS-18-308

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



MS-18-330

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



MS-18-350

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



MS-18-331

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



MS-18-302



MS-18-304

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



MS-18-314

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



MS-18-320

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



MS-18-344

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



MS-18-372

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



MS-18-374

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



MS-18-380

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



MS-18-384

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





MS-18-388





MS-18-390

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



MS-18-301

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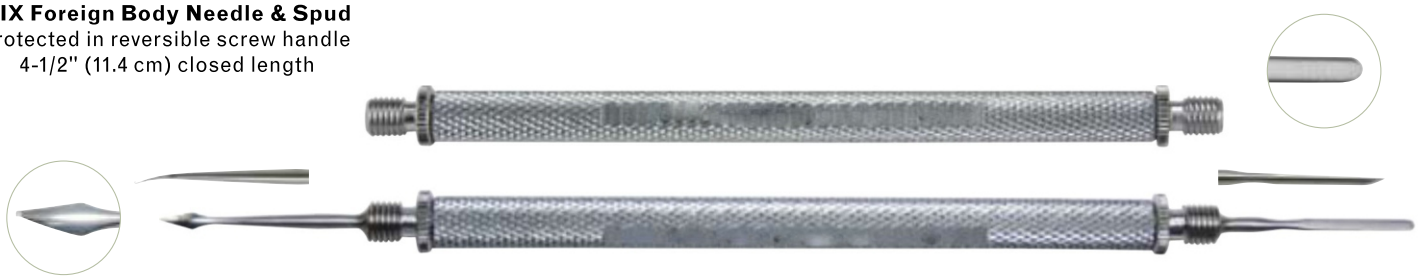
DIX Foreign Body Needle & Spud
protected in sliding handle
3-3/4" (9.5 cm) closed length



MS-18-400

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



MS-18-402

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

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

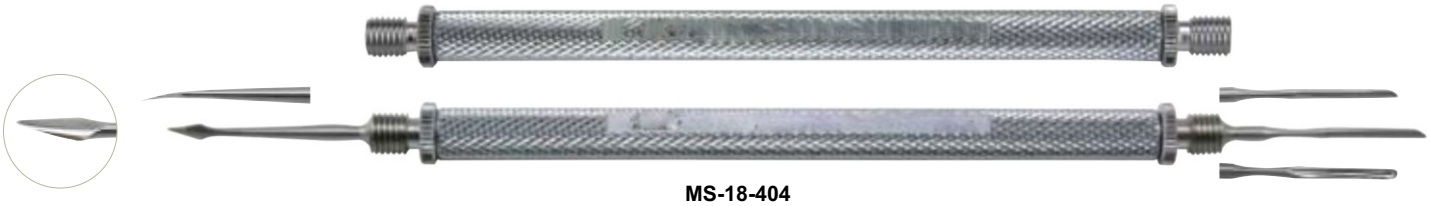


MS-18-402 a



MS-18-402 b

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



MS-18-404

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



MS-18-370

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



MS-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
4" (10.2 cm) closed length



MS-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
5" (12.7 cm) closed length



MS-18-398M

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



MS-18-399

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CURRETES & SPATULAS

&

FOREIGN BODY INSTRUMENTS



MEYERHOEFER Chalazion Curette

round cup, 5" (12.7 cm)

1 size 00, 1.0 mm
2 size 0, 1.5 mm
3 size 1, 1.7 mm
4 size 2, 2.0 mm
5 size 3, 2.5 mm
6 size 4, 3.5 mm



MS-18-498



1 MS-18-498



2 MS-18-499



3 MS-18-500



4 MS-18-502



5 MS-18-504



6 MS-18-506

HEBRA Chalazion Curette

oval cup, 5" (12.7 cm)

1.0 x 1.7 mm
2.0 x 3.3 mm
2.5 x 4.0 mm



MS-18-510



MS-18-510



MS-18-512



MS-18-514

2

SKEELE Chalazion Curette

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

1.0 mm
2.0 mm
2.5 mm



MS-18-520





MS-18-520



MS-18-522



MS-18-524

HEATH Chalazion Curette

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

1 size 0, 0.5 mm
2 size 1, 1.0 mm
3 size 2, 2.0 mm
4 size 3, 3.0 mm



MS-18-530



1 MS-18-530



2 MS-18-532



3 MS-18-534



4 MS-18-536

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



MS-18-564

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



MS-18-570

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



MS-18-566

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



MS-18-584

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



MS-18-568

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



MS-18-562

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



MS-18-573a **MS-18-574**

MS-18-573a
MS-18-574

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



MS-18-576

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



MS-18-2028



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



MS-18-593 **MS-18-594**

MS-18-593
MS-18-594

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MACHAT LASIK Retreatment Spatula
angulated tip helps to separate and break epithelial bond, spatula aids lifting flap and separating epithelium
5" (12.7 cm)



MS-18-597

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



MS-18-592

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



MS-18-586

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



MS-18-585

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



MS-18-590

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



MS-18-591

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



MS-18-587

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



MS-18-588

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



MS-18-589

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NUCLEUS INSTRUMENTS

&

IOL MANIPULATORS



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



MS-18-2014

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



MS-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
5" (12.7 cm)



MS-18-2013

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



MS-18-2029

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



MS-18-2018

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



MS-18-2019

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



MS-18-2017

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



MS-18-2007

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



MS-18-2008

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



MS-18-2009

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



MS-18-2010

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



MS-18-2011

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



MS-18-2012

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



MS-18-2021

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



MS-18-2022

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



MS-18-2023

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



MS-18-2020

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



MS-18-2003

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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)
4" (10.2 cm)



MS-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)
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)
4-1/4" (10.8 cm)



MS-18-2004

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



MS-18-2002

ALFONSO Cutting Platform
used as a cutting block for nucleus trisector during manual small incision surgery
5" (12.7 cm), 2 mm wide, used with 18-2004
5" (12.7 cm), 3 mm wide, used with 18-2005



MS-18-2030
MS-18-2031 (not shown)

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HUNKELER IOL Manipulator
0.3 mm diameter hemi-ball tip
5" (12.7 cm)



MS-18-2024

LESTER IOL Manipulator
0.25 mm diameter tip, straight with guard,
for multi-directional IOL manipulation
4-3/4" (12.1 cm)
Replacement guard/cap



MS-18-2033

MS-18-2025

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



MS-18-2026

MALONEY IOL Manipulator
0.25 mm diameter tip, vaulted shank
with guard
4-3/4" (12.1 cm)
Replacement guard/cap



MS-18-2033

MS-18-2027

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IOL MANIPULATING HOOKS

IRIS HOOKS

OTHER MISCELLANEOUS HOOKS

FIXATION RINGS



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



MS-18-455

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



MS-18-456

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



MS-18-2033



MS-18-457





MS-18-458

SINSKEY Lens Manipulating Hook
0.25 mm diameter blunt tip
4-1/2" (11.4 cm), straight with guard
4-1/2" (11.4 cm), angled
Replacement guard/cap



MS-18-2033



MS-18-463





MS-18-464

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



MS-18-2033



MS-18-465





MS-18-466

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MALTZMAN-FENZL Lens Manipulating Hook
0.15 mm diameter tip
4-3/4" (12.1 cm), angled
Replacement guard/cap





MS-18-2033



MS-18-459





MS-18-460

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





MS-18-2033



MS-18-461

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





MS-18-2033



MS-18-462

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





MS-18-2033



MS-18-467





MS-18-468

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





MS-18-421

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



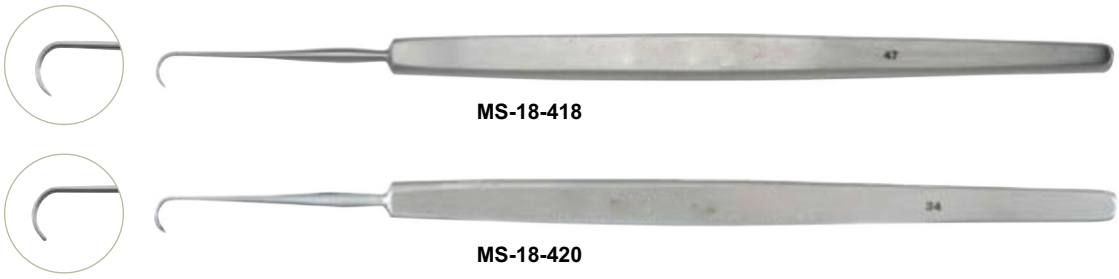
MS-18-470

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



MS-18-469

WIENER Corneal Hook
5" (12.7 cm), sharp
5" (12.7 cm), blunt



MS-18-418

MS-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
4-1/2" (11.4 cm), angled tip



MS-18-417

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



MS-18-416

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TYRELL Hook
5" (12.7 cm), sharp
5" (12.7 cm), blunt



MS-18-412



MS-18-414

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



MS-18-424

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



MS-18-428

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



MS-18-439

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



MS-18-440

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



MS-18-442

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



MS-18-446



MS-18-450

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



MS-18-450



MS-18-452



MS-18-454

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



MS-18-613

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



MS-21-152

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



MS-33-121

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



MS-18-2127

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



MS-18-121

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



MS-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
4-1/4" (10.8 cm)



MS-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
4-1/4" (10.8 cm)



MS-18-124

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KNIVES

&

FOREIGN BODY INSTRUMENTS



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



MS-18-480



MS-18-480



MS-18-482

WILDER Lens Loop
5-1/4" (13.3 cm)
serrated loop, 4 x 15 mm
smooth loop, 4 x 15 mm



MS-18-484



MS-18-484



MS-18-486

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



MS-18-568

DAVIEL Lens Spoon
5" (12.7 cm), 3 mm wide



18-472

BUNGE Evisceration Spoon
5-1/2" (14 cm)
small, 8 mm cup
large, 11 mm cup



MS-18-540



MS-18-540



MS-18-542

WELLS Enucleation Scoop
6" (15.2 cm), 21 mm cup



MS-18-550

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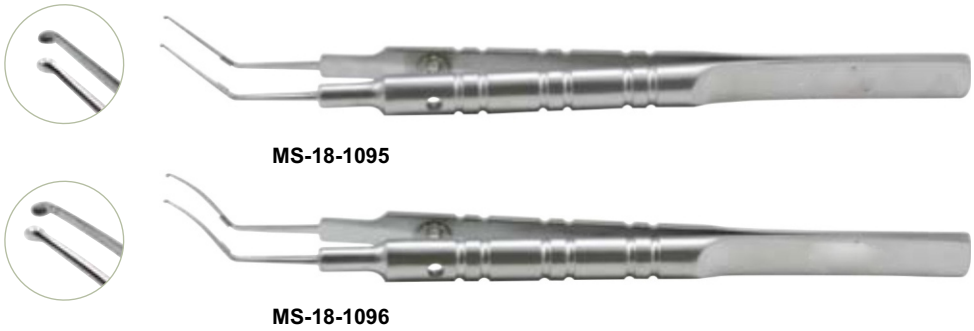
FORCEPS



KELLAN Capsulorhexis Forceps
cupped tips for grasping the anterior capsule; tongue and groove feature at angle junction helps keep jaws aligned
4" (10.2 cm), straight
4" (10.2 cm), vaulted



MS-18-1095

MS-18-1096

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



MS-18-1097

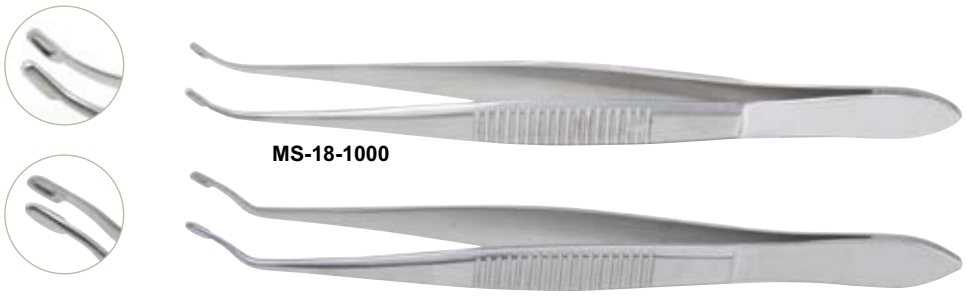
MS-18-1098

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
4-3/4" (12.1 cm)



MS-18-1094

ARRUGA Capsule Forceps
4" (10.2 cm), standard curve
4" (10.2 cm), new curve



MS-18-1000

MS-18-1002

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



MS-18-1034

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



MS-18-1050

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



MS-18-1058

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



MS-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
4-3/4" (12.1 cm)

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



MS-18-2000



MS-18-2001

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



MS-18-981

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



MS-18-2016

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



MS-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
5" (12.7 cm), without lock



MS-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
5" (12.7 cm), without lock



MS-18-1090

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



MS-18-1070

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



MS-18-1072

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



MS-18-1073






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



MS-18-1089

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



MS-18-1080

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





MS-18-1081

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





MS-18-1084

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



MS-18-1082

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



MS-18-1083

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



MS-18-1086

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



MS-18-1087

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



MS-18-1093

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



MS-18-1091

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



MS-18-1092

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



MS-18-920

MS-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
4" (10.2 cm), straight
4" (10.2 cm), curved



MS-18-923

MS-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
4-1/8" (10.5 cm), straight
4-1/8" (10.5 cm), curved



MS-18-946

MS-18-947

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



MS-18-931

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



MS-18-922

MS-18-925

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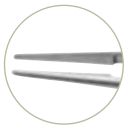
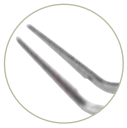
McPHERSON Micro Iris Suturing Forceps
0.3 x 5 mm smooth platform
3-1/2" (8.9 cm), straight
3-1/2" (8.9 cm), angled


MS-18-948



MS-18-949

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





MS-18-929



MS-18-930

CASTROVIEJO Suturing Forceps
1 x 2 teeth with tying platform, narrow handles
4" (10.2 cm)
0.3 mm
0.5 mm
0.6 mm
0.9 mm




MS-18-951
MS-4909
MS-18-952
MS-18-950

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




MS-18-953
MS-18-954
MS-18-955

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




MS-3726
MS-4908
MS-3727
MS-3731

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



MS-18-835



MS-18-836

McPHERSON Micro Corneal Suturing Forceps
1 x 2 teeth with tying platform
3-1/2" (8.9 cm), straight, 0.2 mm
3-1/2" (8.9 cm), angled, 0.2 mm



MS-18-837



MS-18-838

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



MS-18-966

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



MS-18-974

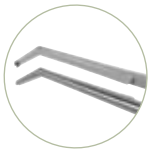
MANHATTAN EYE & EAR Suturing/Fixation Forceps
1 x 2 curved teeth overlapping each other,
with smooth tying platform
3-1/2" (8.9 cm), 0.7 mm



MS-18-975

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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





MS-18-928

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





MS-18-827





MS-18-828

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





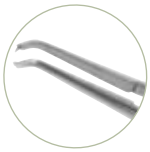
MS-18-880





MS-18-881

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





MS-18-883

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





MS-18-834

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-18-825

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



MS-18-830

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



MS-18-829

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



MS-18-779

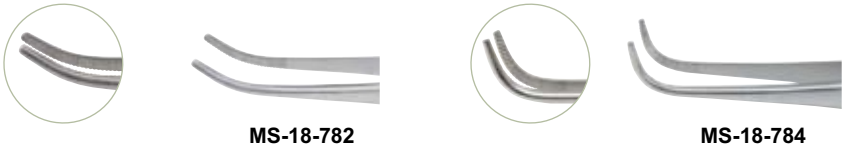


MS-18-781 MS-18-783



MS-18-780

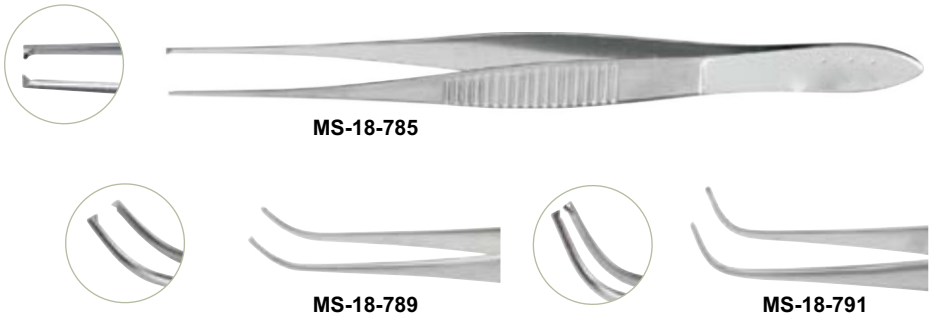
Eye Dressing Forceps
standard pattern, 0.8 mm serrated jaws
4" (10.2 cm)
straight
half curved
full curved



MS-18-782 MS-18-784

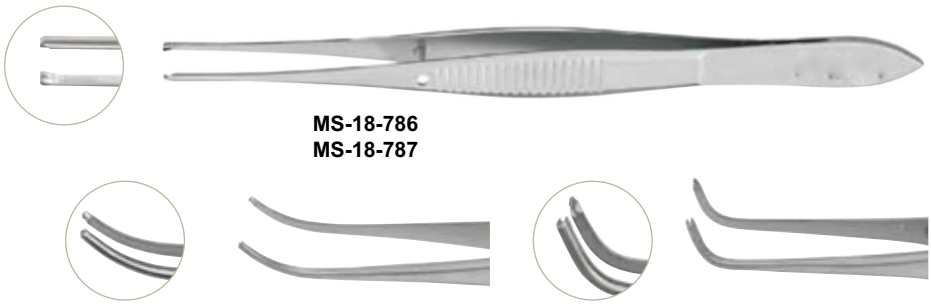
Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-18-785
MS-18-789
MS-18-791

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



MS-18-786
MS-18-787
MS-18-788
MS-18-790

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



MS-18-866

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



MS-4809

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



MS-18-867
MS-18-868

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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





MS-4793
MS-4792
MS-4791

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







MS-18-796



MS-18-798

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







MS-18-795



MS-18-795 a

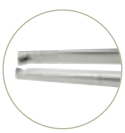
O'CONNOR Iris Forceps
1 x 2 teeth, angled
3-3/4" (9.5 cm), 0.5 x 9 mm





MS-18-793

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





MS-18-804

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-18-816



MS-18-820

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



MS-18-814



MS-18-818

COBAUGH Iris Forceps
1 x 2 teeth
4" (10.2 cm), straight





MS-4212

COBAUGH Eye Dressing Forceps
serrated
4" (10.2 cm), straight





MS-4213

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





MS-18-794

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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





MS-18-620





MS-18-624

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





MS-18-628

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





MS-

MS-18-632

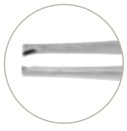
Strabismus Forceps
1 x 2 teeth
4" (10.2 cm), 1 mm





MS-18-840

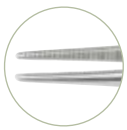
Micro ADSON Tissue Forceps
1 x 2 teeth
4-3/4" (12.1 cm), 0.5 mm





MS-17-2500

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





MS-17-2510

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

SWISS Jeweler Style Forceps
Non-Magnetic Stainless Steel,
4-3/4" (12.1 cm)
style 1, fine
style 2, strong, fine
style 3, narrow, fine
style 3X, micro fine



MS-17-301



MS-17-302



MS-17-303



MS-17-303X

SWISS Jeweler Style Forceps
Non-Magnetic Stainless Steel,
4-3/8" (11.2 cm)
style 3C, narrow, fine
style 4, fine,
style 5, super fine
style 5, micro fine



MS-17-303c



MS-17-304



MS-17-305



MS-17-305X

SWISS Jeweler Style Forceps
Non-Magnetic Stainless Steel,
4-1/2" (11.4 cm)
style 6, pickup
style 7, fine, curved
style 7, micro fine, curved



MS-17-306



MS-17-307



MS-17-307X

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-4746

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



MS-4749

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



MS-4928

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



MS-4859
MS-4860 (not shown)

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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





MS-18-1100

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



MS-18-1102

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



MS-18-1104

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



MS-18-1106



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

MS-18-1107

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-18-1110

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



MS-18-1111

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



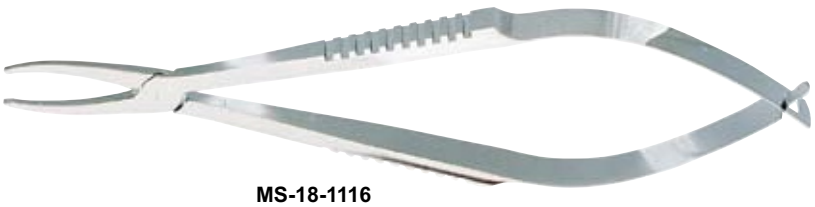
MS-18-1112

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



MS-18-1114

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



MS-18-1116

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

BERKE Ptosis Forceps
longitudinal serrations, slide lock,
4" (10.2 cm), blades 27 mm long
4" (10.2 cm), blades 20 mm long



MS-18-1138

MS-4323 (not shown)

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



MS-1150

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



MS-1160

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



MS-1162

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



MS-1171

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-18-1170

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



MS-18-1172



MS-18-1174

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



MS-18-1178

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



MS-18-1182

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



MS-18-1188

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-18-1190

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



MS-18-1200



MS-18-1202



MS-18-1204

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



MS-18-1208

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



MS-18-1220



MS-18-1220

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



MS-18-1262



MS-18-1260

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



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



MS-18-854

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



MS-18-860

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



MS-6200

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



MS-18-876

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



MS-18-878

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



MS-18-896



MS-18-897

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-18-904

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



MS-18-906

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



MS-18-912



MS-18-914

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



MS-18-916

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



MS-18-628

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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





MS-18-956



MS-18-958

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



MS-18-962



MS-18-964

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





MS-18-966

KURTH Suture Forceps
smooth tying platform
4" (10.2 cm)



MS-4136

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



MS-18-970

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-18-971

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



MS-18-978

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





MS-18-980

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



MS-6-118



MS-6-118



MS-6-118 a

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



MS-6-118XI

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-17-2510

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





MS-6105



MS-6106

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





MS-6-120



MS-6-120a

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



MS-6-120XI

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



MS-17-2500

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-6-121
MS-6121 (not shown)

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



MS-6-123

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



MS-6-123XI

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



MS-0278



MS-6-122

ADSON Tissue Forceps
2 x 3 teeth, delicate
4-3/4" (12.1 cm)
4-3/4" (12.1 cm), with serrations



MS-6115

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

BROWN-ADSON Tissue Forceps
7 x 7 side grasping teeth
4-3/4" (12.1 cm), straight
4-3/4" (12.1 cm), angular





MS-6-124



MS-6-126

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



MS-6-124XI

BROWN-ADSON Tissue Forceps
9 x 9 teeth side grasping teeth
4-3/4" (12.1 cm), straight
4-3/4" (12.1 cm), angled





MS-6125



MS-6126

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





MS-6-127

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





MS-6-125

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

SEMKEN Dressing Forceps
serrated
5" (12.7 cm)



MS-6-104

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





MS-6-106



MS-6-107

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



MS-19-370

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



MS-19-371

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



MS-4278

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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





MS-4842

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





MS-0326

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





MS-4719

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





MS-4681

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





MS-6245

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

ADSON Bipolar Forceps
4-1/4" (108 mm)
needle
0.5 mm



MS-9410



MS-9411

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



MS-9420



MS-9421

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



MS-9425

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



MS-9430

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



MS-9431

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

Bipolar Instrument Cable
reusable, autoclavable, silicone
10 feet (305 cm)



MS-9450 (not to scale)

Bipolar Instrument Cable
sterile, disposable, 10/box
12 feet (360 cm)



MS-9450D (not to scale)

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



MS-015999

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

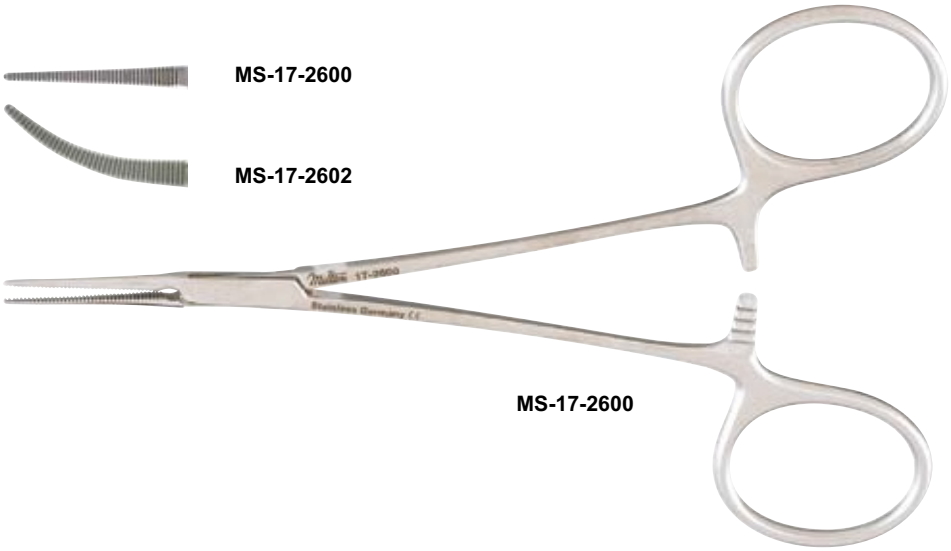
HEMOSTATS & CLAMPS



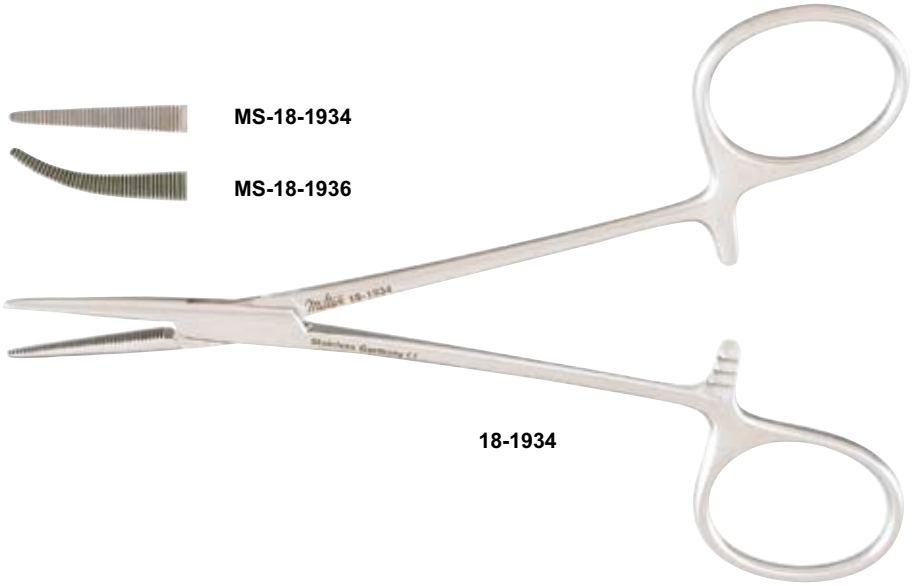
HARTMAN Mosquito Forceps
4" (10.2 cm), straight
4" (10.2 cm), curved



JACOBSON Micro Mosquito Forceps
extremely delicate
5" (12.7 cm), straight
5" (12.7 cm), curved



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



Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

HALSTED Mosquito Forceps
extra delicate
5" (12.7 cm), straight
5" (12.7 cm), curved



HALSTED Mosquito Forceps
5" (12.7 cm), straight
5" (12.7 cm), curved



JONES Towel Clamp
3-1/2" (8.9 cm)
2-1/4" (5.7 cm)


MS-7-500


MS-7-501

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

BACKHAUS Towel Clamp
3-1/2" (8.9 cm)
5-1/4" (13.3 cm)



MS-7-504
MS-7-506 (not shown)

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



MS-7-514
MS-7-515 (not shown)

JOHNS HOPKINS Bulldog Clamp
1-1/2" (3.8 cm), straight
2" (5.1 cm), straight
2-1/2" (6.4 cm), straight
3" (7.6 cm), straight



MS-7-280



MS-7-282



MS-7-284



MS-7-286

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JOHNS HOPKINS Bulldog Clamp
1-1/2" (3.8 cm), curved
2" (5.1 cm), curved
2-1/2" (6.4 cm), curved
3" (7.6 cm), curved
3-1/2" (8.9 cm), curved



MS-7-290



MS-7-292



MS-7-294



MS-7-296



MS-7-298

DIEFFENBACH Serrefine
2-1/4" (5.7 cm), straight
2-1/4" (5.7 cm), curved
1-1/2" (3.8 cm), straight
1-1/2" (3.8 cm), curved



MS-7-300



MS-7-302



MS-7-304



MS-7-305

DIETHRICH Micro Bulldog Clamp
jaws 8 x 1.2 mm
1-7/8" (4.7 cm), straight
1-3/4" (4.4 cm), angled



MS-7-310



MS-7-315

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Micro Vessel Clips
straight, 0.75 x 4 mm jaws
straight, 0.8 x 6 mm jaws
straight, 1.0 x 8 mm jaws
straight, 1.5 x 10 mm jaws
slightly curved, 1.0 x 6 mm jaws
fully curved, 1.0 x 6 mm jaws
45° angle, 1.0 x 6 mm jaws



MS-17-4000
MS-17-4005
MS-17-4010
MS-17-4015



MS-17-4050
MS-17-4060
MS-17-4070

Micro Clip Approximator Set
2 x 6 mm jaws, 15 mm spread



MS-17-4030

Applying Forceps for Micro Clips
5-3/4" (14.6 cm), with lock
5-1/2" (14.0 cm), with stop



MS-17-4100



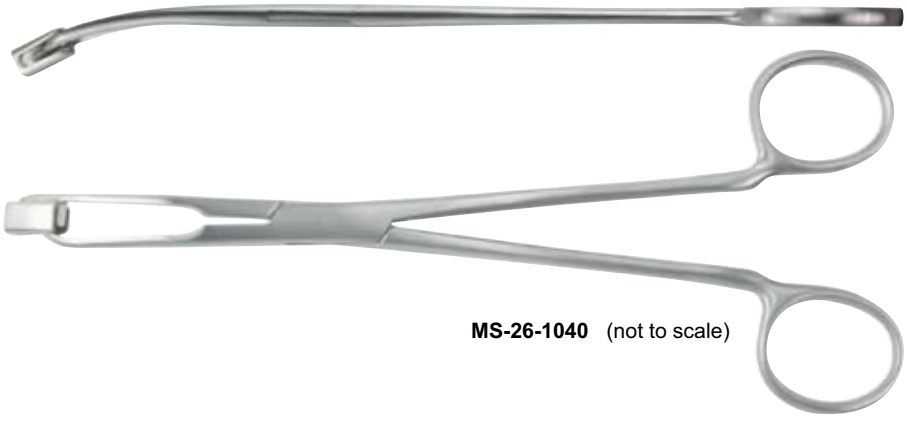
MS-17-4102

SCHWARTZ Vessel Clip
1.7 x 8 mm jaws
1" (2.5 cm), straight
1" (2.5 cm), slightly angled
1" (2.5 cm), strong angled



MS-26-1041
MS-26-1042
MS-26-1043

SCHWARTZ Clip Applying Forceps
8" (20.3 cm)



MS-26-1040 (not to scale)

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SCISSORS



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



MS-18-1616 (1/1)

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



MS-18-1617 (1/1)

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



MS-18-1620



MS-18-1620 (1/1)



MS-18-1623 (1/1)



MS-18-1622 (1/1)

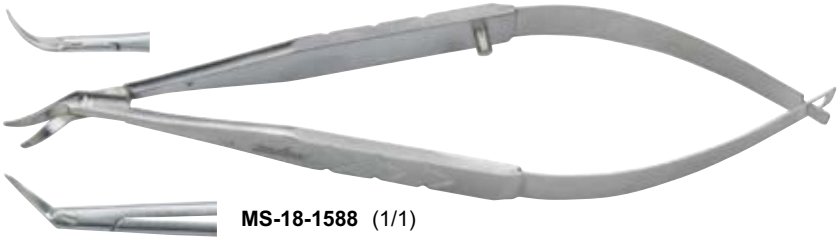


MS-18-1624 (1/1)

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



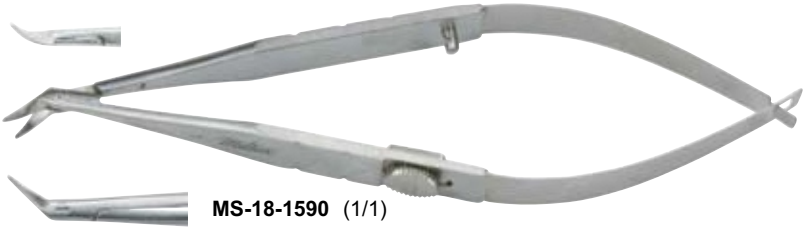
MS-18-1587 (1/1)



MS-18-1588 (1/1)



MS-18-1589 (1/1)



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

MS-18-1590 (1/1)

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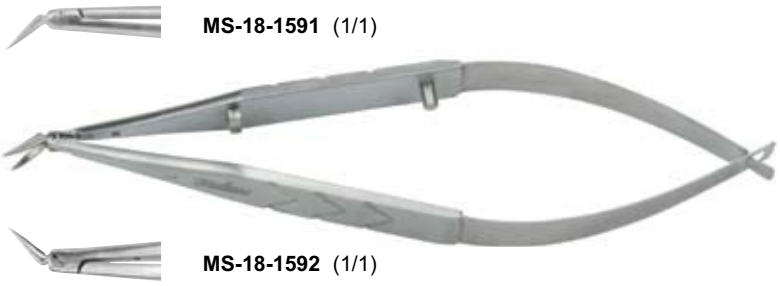
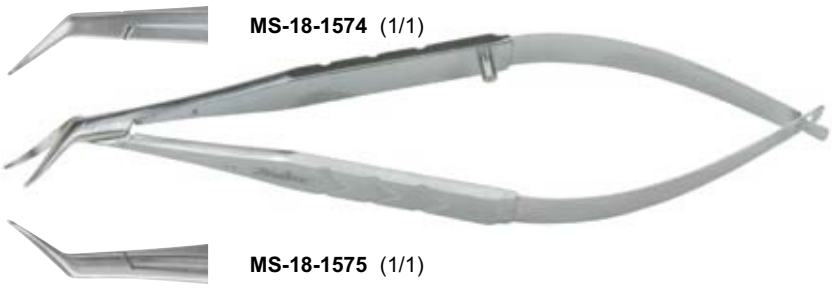
RICH Corneal Transplant Scissors
extremely delicate; strongly curved blades; for trimming the recipient corneal bed and donor button; can also be used for open sky anterior capsulotomy
4" (10.2 cm), left
4" (10.2 cm), right



MS-18-1591 (1/1)

MS-18-1592 (1/1)

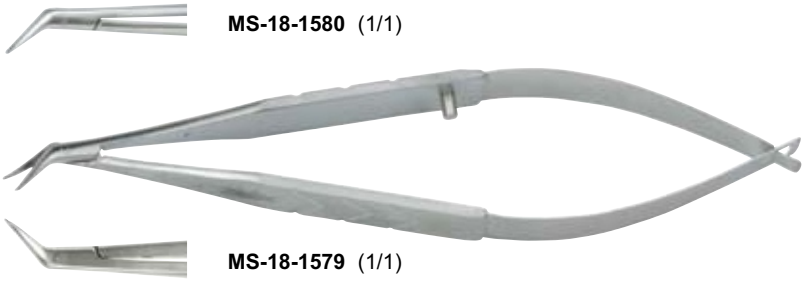
CASTROVIEJO Corneoscleral Scissors
medium blades, curved
4-1/4" (10.8 cm), left
4-1/4" (10.8 cm), right



MS-18-1574 (1/1)

MS-18-1575 (1/1)

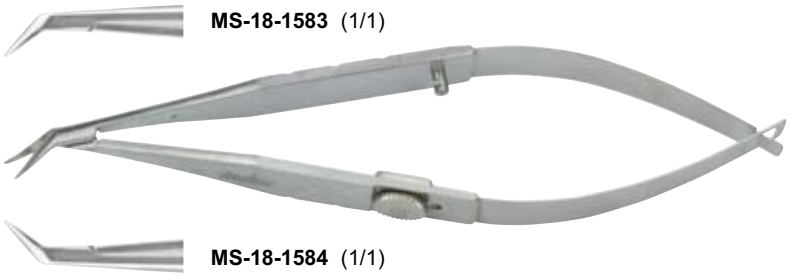
CASTROVIEJO Corneoscleral Scissors
small blades, curved
4-1/8" (10.5 cm), left
4-1/8" (10.5 cm), right



MS-18-1580 (1/1)

MS-18-1579 (1/1)

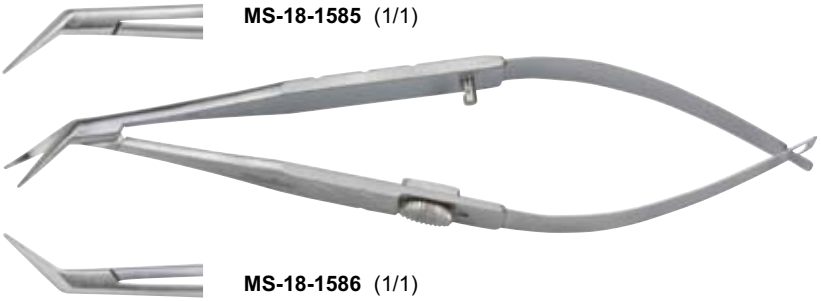
TROUTMAN-CASTROVIEJO Corneoscleral Scissors
small blades, curved, with lock
4" (10.2 cm), left
4" (10.2 cm), right



MS-18-1583 (1/1)

MS-18-1584 (1/1)

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



MS-18-1585 (1/1)

MS-18-1586 (1/1)

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



MS-18-1565 (1/1)

MS-18-1566 (1/1)

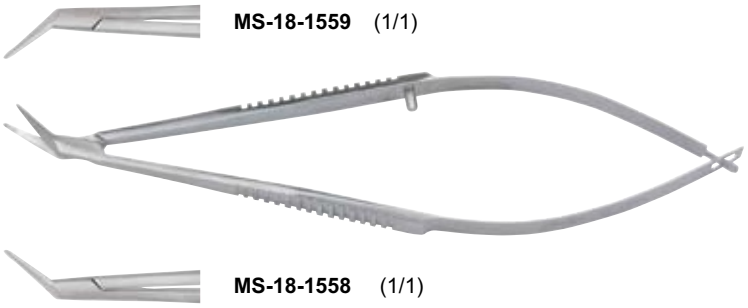
MS-18-1567 (1/1)

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



MS-18-1568 (1/1)

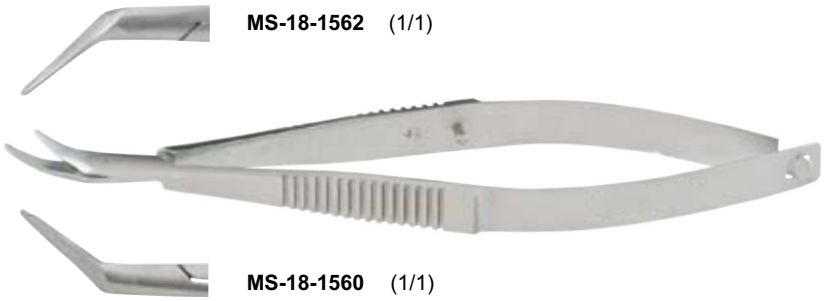
CASTROVIEJO Corneal Scissors
for microsurgery, 6 mm curved blades, blunt tips
4" (10.2 cm), left
4" (10.2 cm), right



MS-18-1559 (1/1)

MS-18-1558 (1/1)

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



MS-18-1562 (1/1)

MS-18-1560 (1/1)

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



MS-18-1572 (1/1)

MS-18-1570 (1/1)

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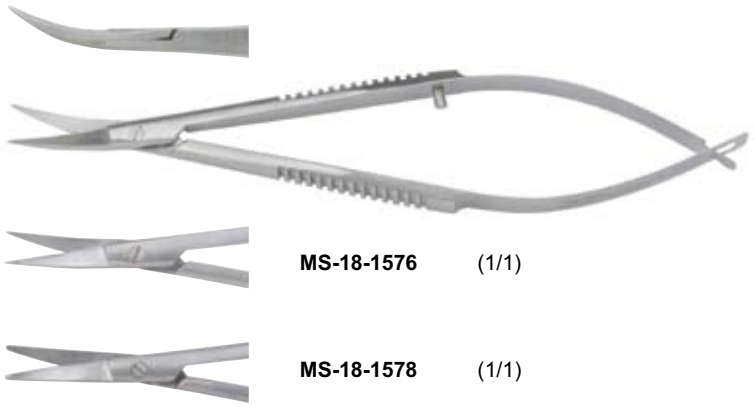
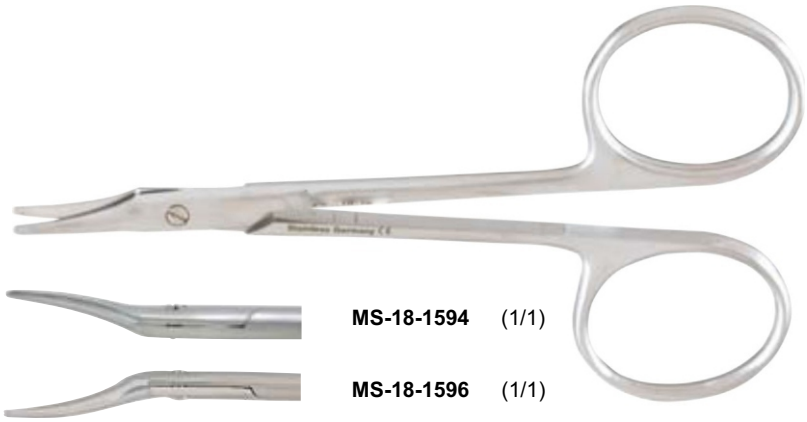
CASTROVIEJO Corneal Scissors
3-3/4" (9.5 cm), curved, sharp tips
3-3/4" (9.5 cm), curved, blunt tips



MS-18-1576 (1/1)

MS-18-1578 (1/1)

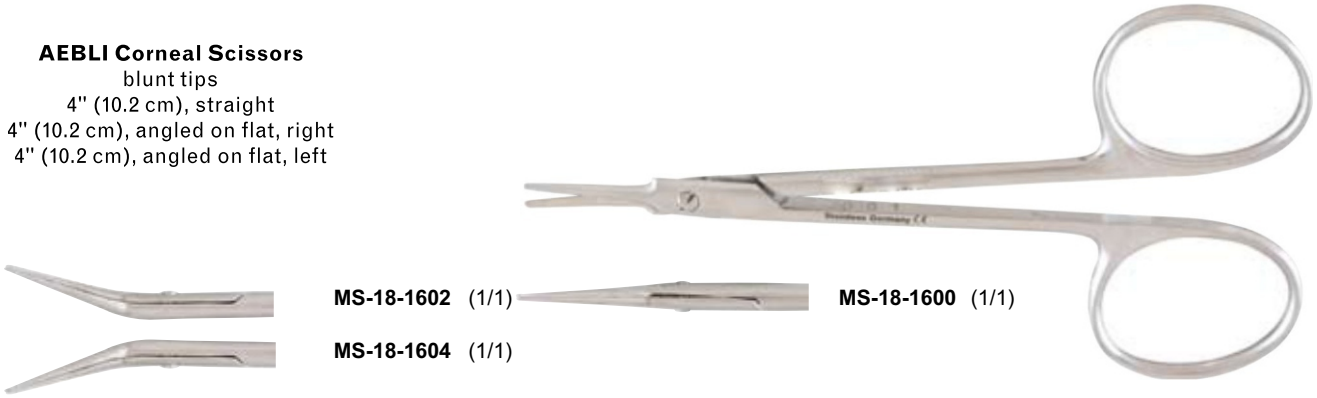
McGUIRE Corneal Scissors
curved, blunt tips
4-1/8" (10.5 cm), right
4-1/8" (10.5 cm), left



MS-18-1594 (1/1)

MS-18-1596 (1/1)

AEBLI Corneal Scissors
blunt tips
4" (10.2 cm), straight
4" (10.2 cm), angled on flat, right
4" (10.2 cm), angled on flat, left



MS-18-1602 (1/1)

MS-18-1604 (1/1)

MS-18-1600 (1/1)

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



MS-18-1441 (1/1)

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



MS-6450 (1/1)

MS-6451 (1/1)

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



MS-18-1440 (1/1)

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



MS-18-1440 tc (1/1)

ENUCLEATION Scissors
rounded blades, blunt tips
5 (12.7 cm), light curve
5 (12.7 cm), medium curve
5 (12.7 cm), full curve



MS-18-1494 (1/1)

MS-18-1496 (1/1)

MS-18-1498 (1/1)

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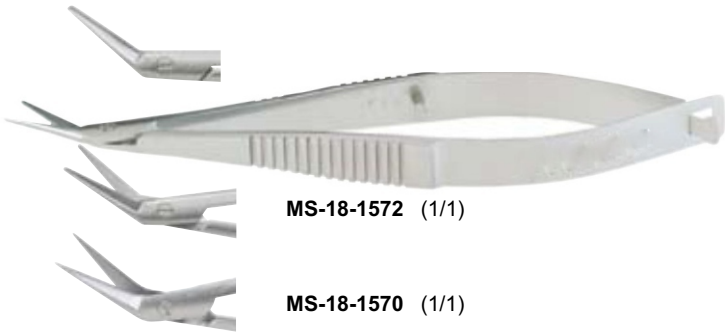
CASTROVIEJO Keratoplasty Scissors
medium blades, blunt tips
4-1/4" (10.8 cm), angled to side



MS-18-1581 (1/1)

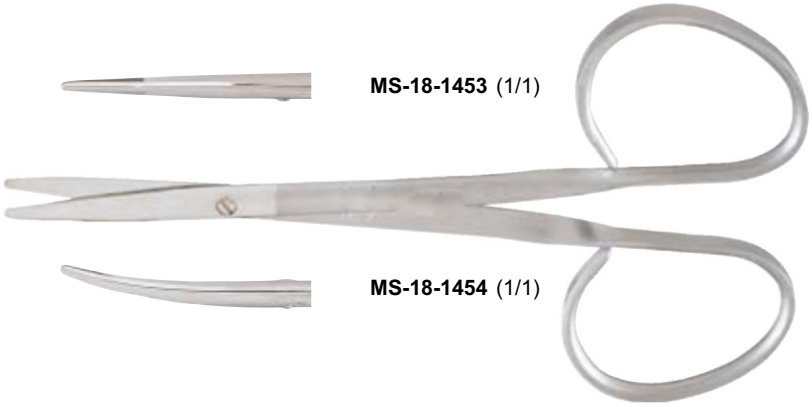
CASTROVIEJO Corneal Scissors
angled blades 11 mm
3-3/4" (9.5 cm), blunt tips (corneal)
3-3/4" (9.5 cm), sharp tips (keratoplasty)



MS-18-1572 (1/1)

MS-18-1570 (1/1)

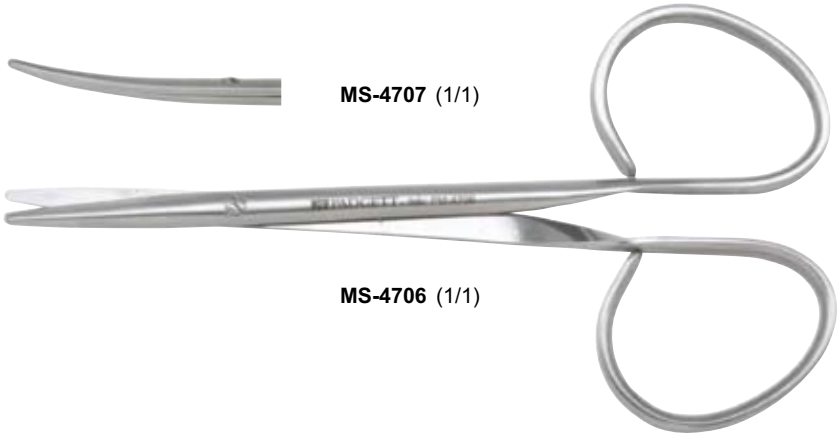
STRABISMUS Scissors
ribbon type, rounded blades, blunt tips
4-1/4" (10.8 cm), straight
4-1/4" (10.8 cm), curved



MS-18-1453 (1/1)

MS-18-1454 (1/1)

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



MS-4707 (1/1)

MS-4706 (1/1)

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STRABISMUS Scissors
rounded blades, blunt tips
4" (10.2 cm), straight
4" (10.2 cm), curved

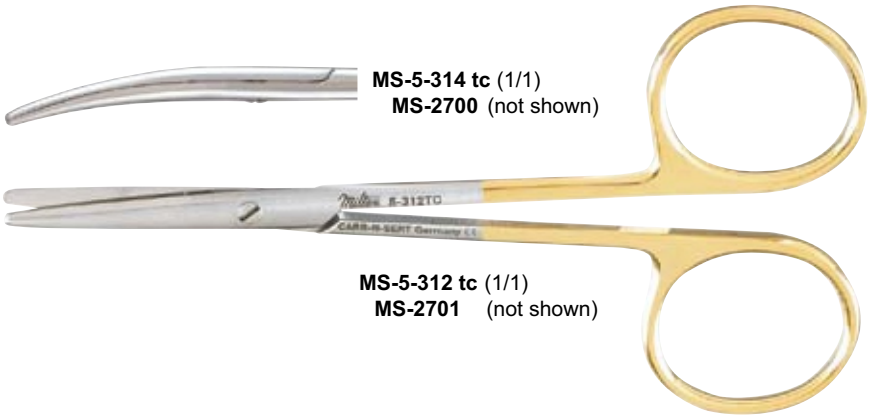


MS-5-314 (1/1)

MS-5-312 (1/1)

STRABISMUS Scissors, Tungsten Carbide
rounded blades, blunt tips
4-1/2" (11.4 cm), straight
4-1/2" (11.4 cm), curved

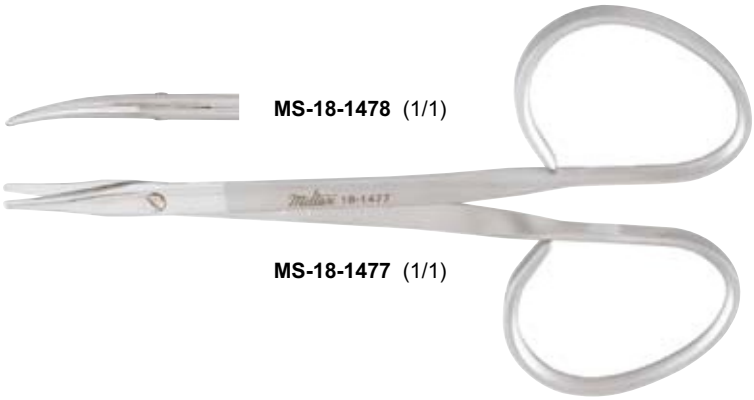
4-1/2" (11.4 cm), straight
4-1/2" (11.4 cm), curved



MS-5-314 tc (1/1)
MS-2700 (not shown)

MS-5-312 tc (1/1)
MS-2701 (not shown)

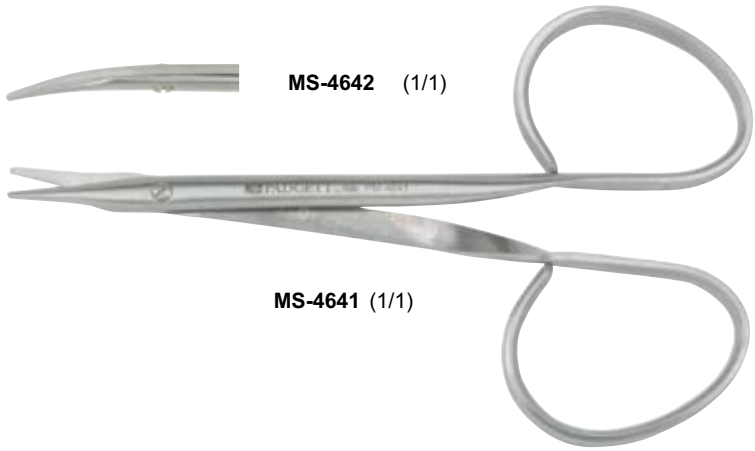
STEVENS Tenotomy Scissors
blunt tips, ribbon type
3-3/4" (9.5 cm), straight
3-3/4" (9.5 cm), curved



MS-18-1478 (1/1)

MS-18-1477 (1/1)

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



MS-4642 (1/1)

MS-4641 (1/1)

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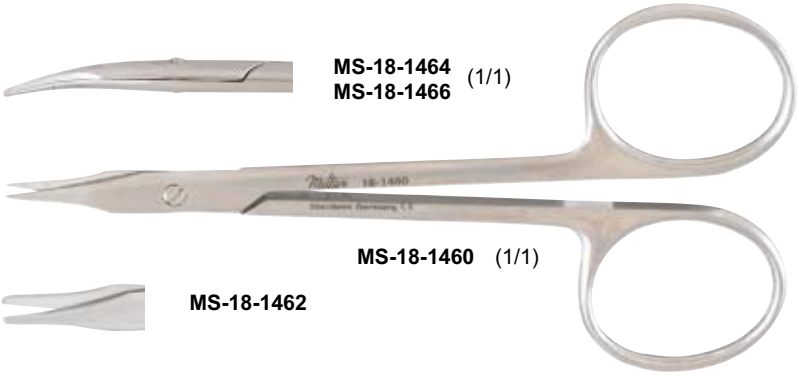
STEVENS Tenotomy Scissors
short blades
4-1/8" (10.5 cm), straight, sharp tips
4-1/8" (10.5 cm), curved, sharp tips

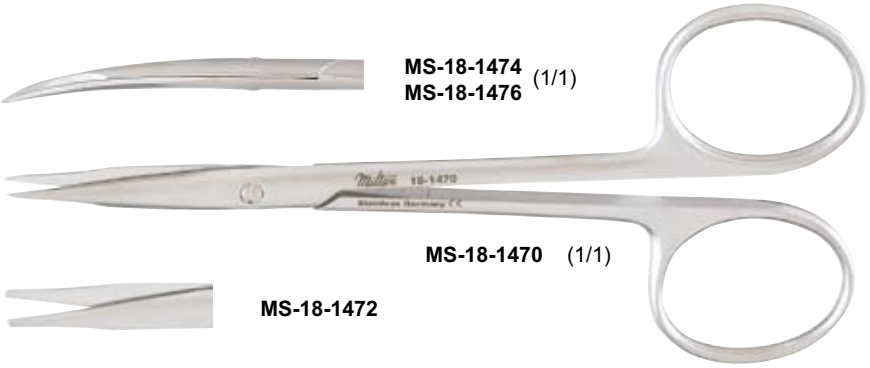
4-1/8" (10.5 cm), straight, blunt tips
4-1/8" (10.5 cm), curved, blunt tips



MS-18-1464 (1/1)
MS-18-1466
MS-18-1460 (1/1)
MS-18-1462

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

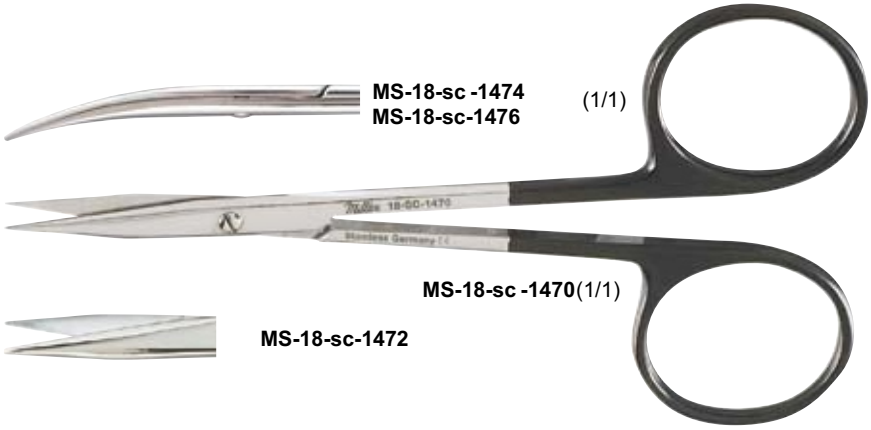
4-1/2" (11.4 cm), straight, blunt tips
4-1/2" (11.4 cm), curved, blunt tips



MS-18-1474 (1/1)
MS-18-1476
MS-18-1470 (1/1)
MS-18-1472

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

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



MS-18-sc -1474 (1/1)
MS-18-sc-1476
MS-18-sc -1470(1/1)
MS-18-sc-1472

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



MS-6860 (1/1)

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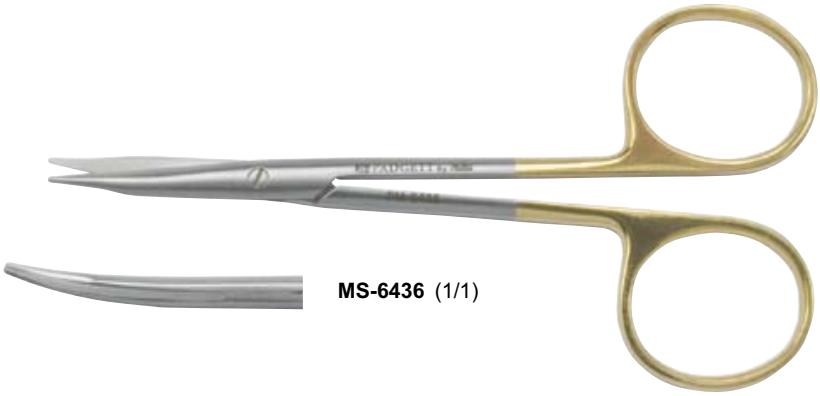
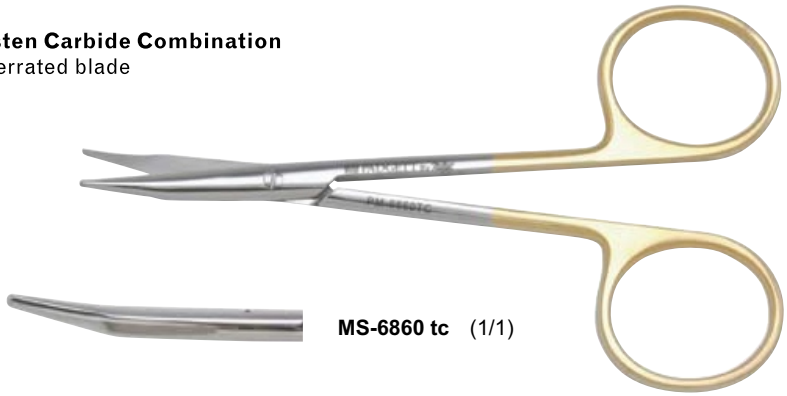
STEVENS Tenotomy Scissors, Tungsten Carbide
long blades, semi-sharp tips
4-1/2" (11.4 cm), curved



MS-6436 (1/1)

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



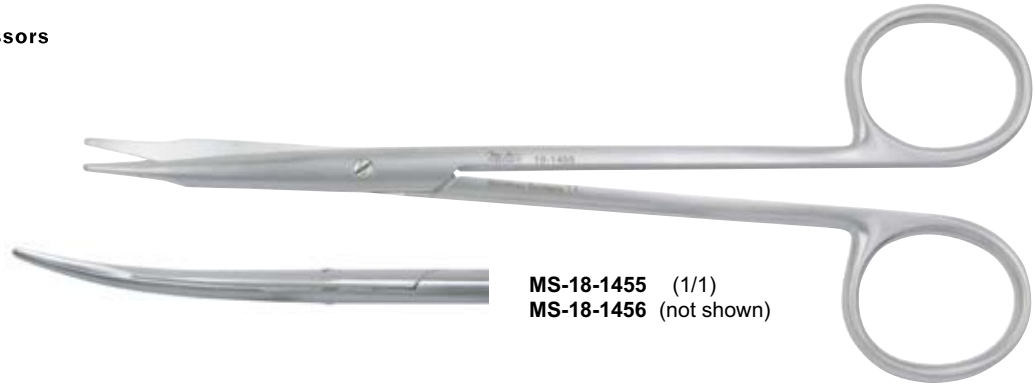
MS-6860 tc (1/1)

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



MS-4843 (1/1)

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



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

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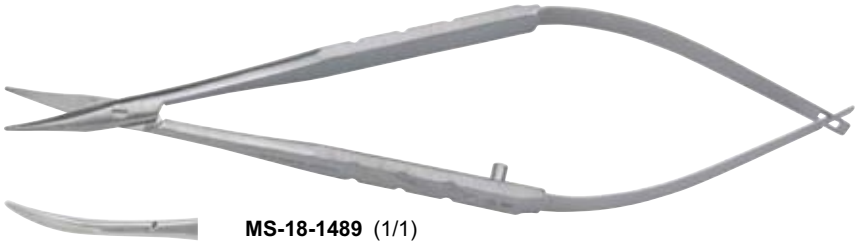
WESTCOTT Tenotomy Scissors
medium blades, curved
4-1/2" (11.4 cm), blunt tips



MS-18-1489 (1/1)

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



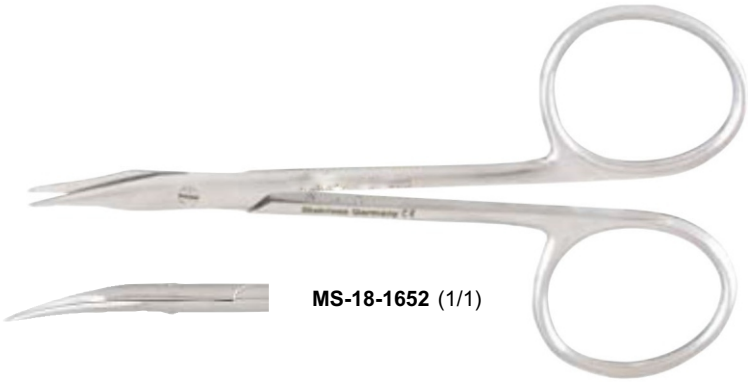
MS-18-1488 (1/1)





MS-18-1487 (1/1)

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



MS-18-1652 (1/1)

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



MS-18- sc-1652 (1/1)

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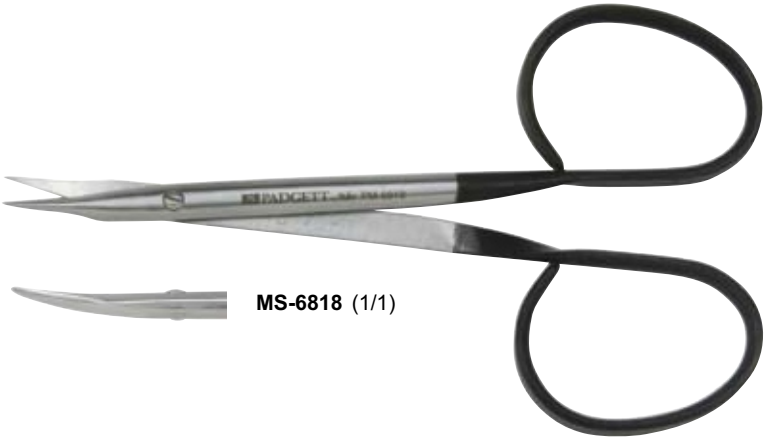
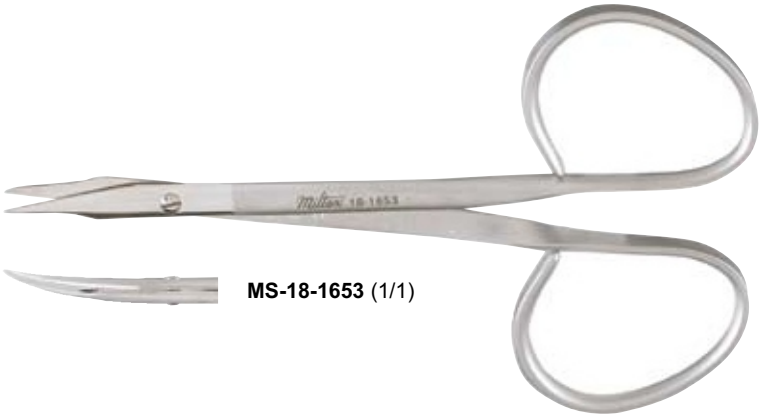
GRADLE Scissors, SuperCut
ribbon type, slightly curved, one micro fine serrated blade
4" (10.2 cm), sharp tips



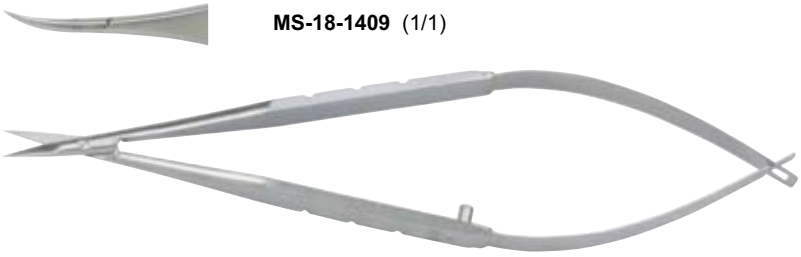
MS-6818 (1/1)

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



MS-18-1653 (1/1)

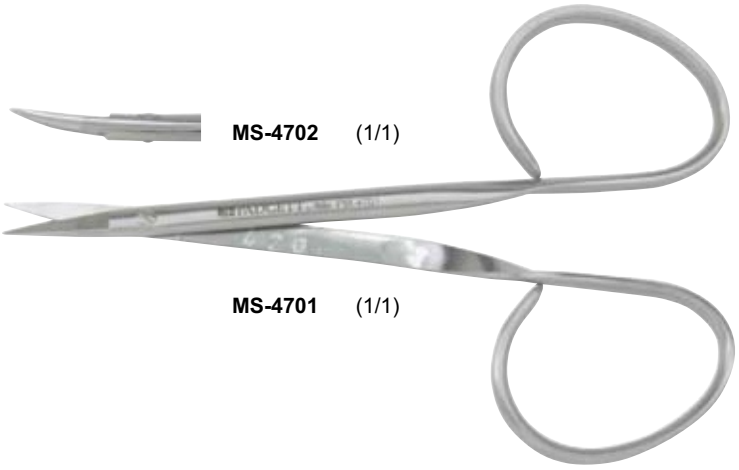
IRIS Scissors
sharp tips, small blades
4-1/8" (10.5 cm), straight
4-1/8" (10.5 cm), curved



MS-18-1409 (1/1)

MS-18-1410 (1/1)

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



MS-4702 (1/1)

MS-4701 (1/1)

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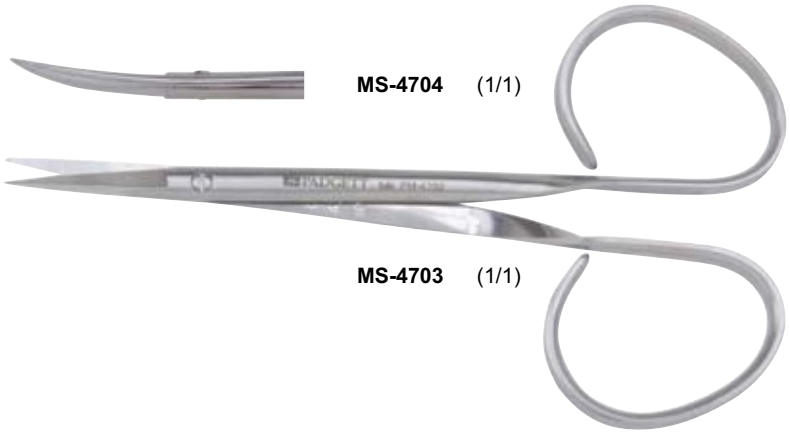
PADGETT Iris Scissors
delicate long blades, sharp tips
3-3/4" (9.5 cm), straight
3-3/4" (9.5 cm), curved



MS-4704 (1/1)

MS-4703 (1/1)

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



MS-18-1635 (1/1)

MS-18-1636 (1/1)

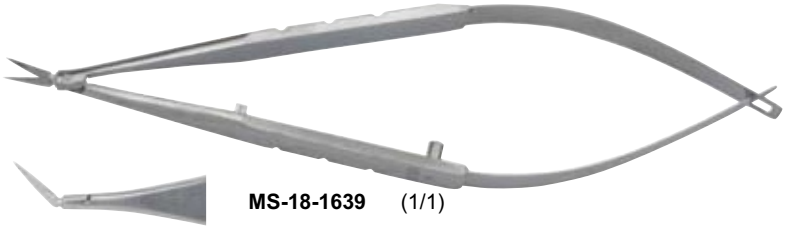
MILTEX-VANNAS Scissors
sharp tips, extra thin 10 mm long rounded blades
4-1/4" (10.8 cm), straight
4-1/4" (10.8 cm), curved



MS-18-1638 (1/1)

MS-18-1637 (1/1)

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



MS-18-1639 (1/1)

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



MS-18-1626 (1/1)



MS-18-1625 (1/1)

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



MS-18-1631 (1/1)



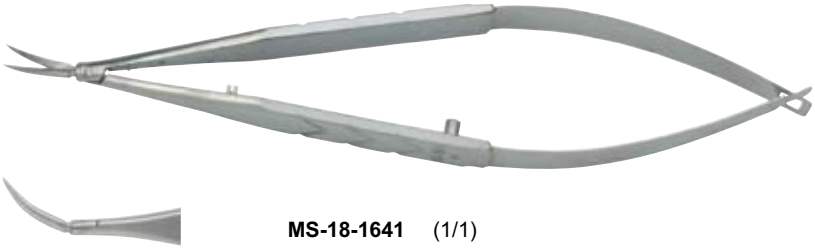
MS-18-1630 (1/1)

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



MS-18-1640 (1/1)

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



MS-18-1641 (1/1)

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



MS-18-1514 (1/1)



MS-18-1512 (1/1)



MS-18-1510 (1/1)

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





MS-18-1516 (1/1)

PADGETT Iris Scissors
4-1/2" (11.4 cm), straight, sharp/blunt tips
4-1/2" (11.4 cm), curved, sharp/blunt tips

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



MS-4249 (1/1)

MS-4246 (1/1)

MS-4247 (1/1)



MS-4250 (1/1)

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



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

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



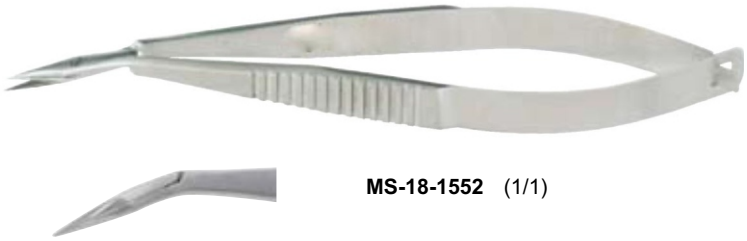
MS-18-1524 (1/1)

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



MS-18-1550 (1/1)

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



MS-18-1552 (1/1)

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



MS-18-1554 (1/1)

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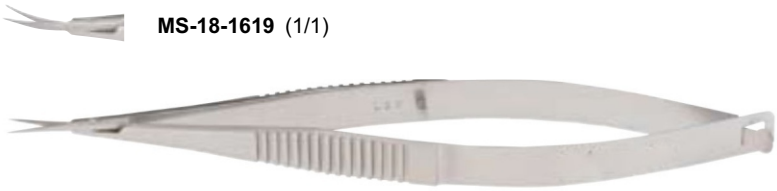
MICRO Iris Scissors
sharp tips
4" (10.2 cm), straight
4" (10.2 cm), curved



MS-18-1619 (1/1)

MS-18-1618 (1/1)

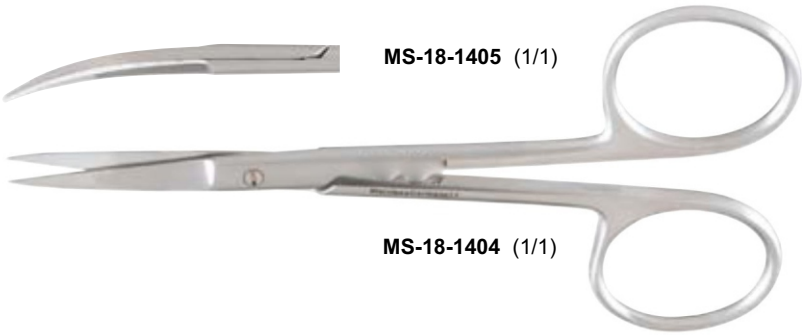
MICRO Scissors
super fine blades
3-1/4" (8.3 cm), straight
3-1/4" (8.3 cm), curved



MS-18-1634 (1/1)

MS-18-1633 (1/1)

Mandiri® Iris Scissors
heavy pattern
4" (10.2 cm), straight
4" (10.2 cm), curved



MS-18-1405 (1/1)

MS-18-1404 (1/1)

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



MS-2705 (1/1)

MS-2706 (1/1)

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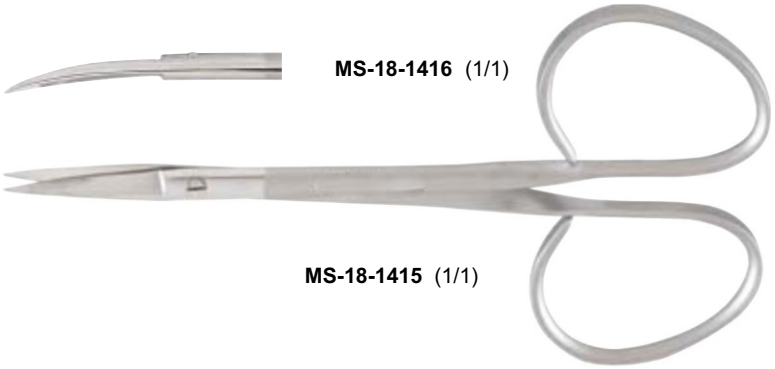
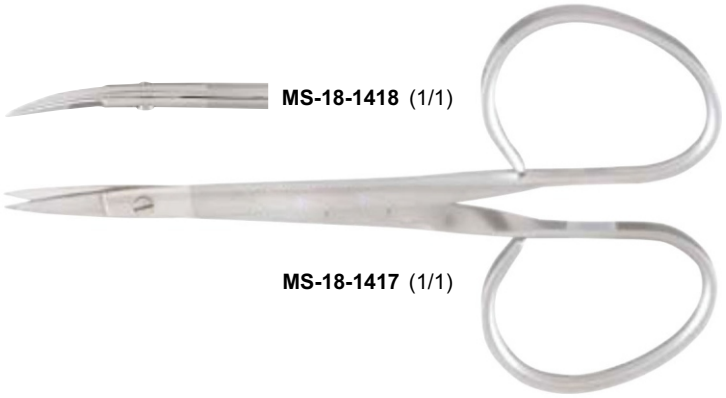
IRIS Scissors
ribbon type, standard pattern, sharp tips
4" (10.2 cm), straight
4" (10.2 cm), curved



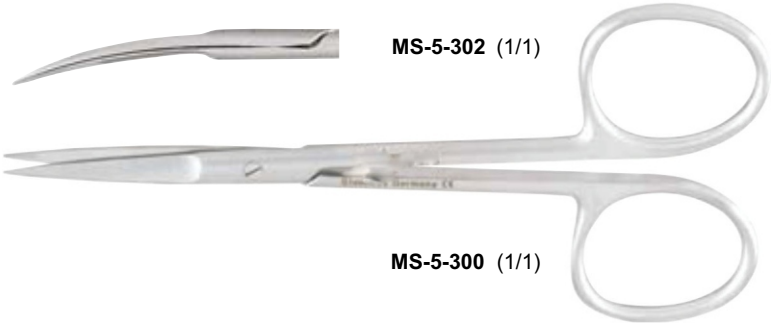
IRIS Scissors
ribbon type, miniature pattern with 14 mm blades, sharp tips
3-3/4" (9.5 cm), straight
3-3/4" (9.5 cm), curved



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



IRIS Scissors
sharp tips
4" (10.2 cm), straight
4" (10.2 cm), curved



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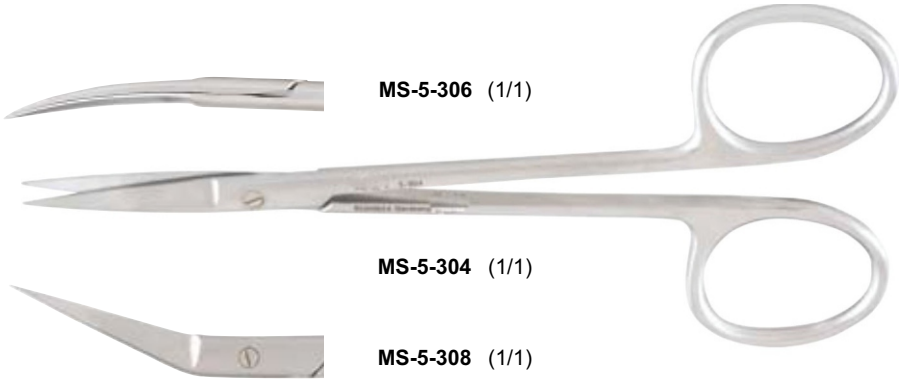
IRIS Scissors
4-1/2" (11.4 cm), straight
4-1/2" (11.4 cm), curved
4-1/2" (11.4 cm), angled on side

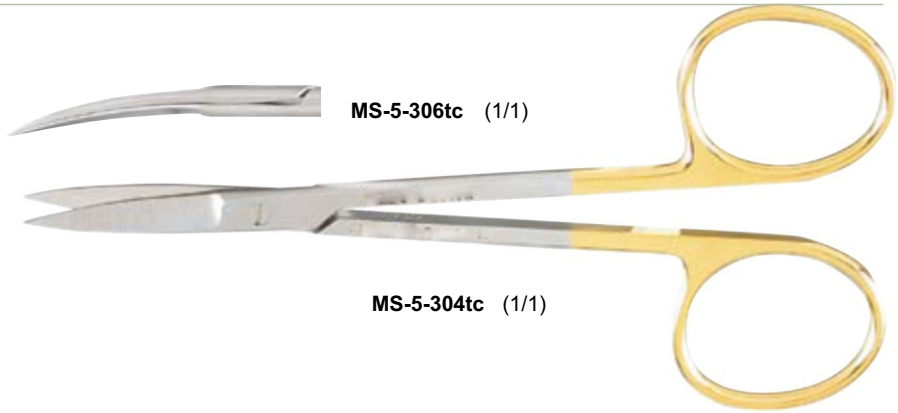


MS-5-306 (1/1)

MS-5-304 (1/1)

MS-5-308 (1/1)

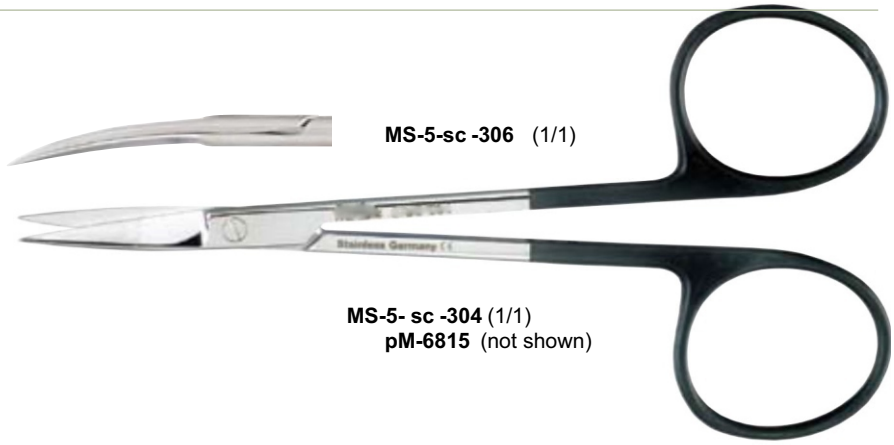
IRIS Scissors, Tungsten Carbide
4-1/2" (11.4 cm), straight
4-1/2" (11.4 cm), curved



MS-5-306tc (1/1)

MS-5-304tc (1/1)

IRIS Scissors, SuperCut
one micro fine serrated blade
4-1/2" (11.4 cm), straight
4-1/2" (11.4 cm), curved
4-1/2" (11.4 cm), straight

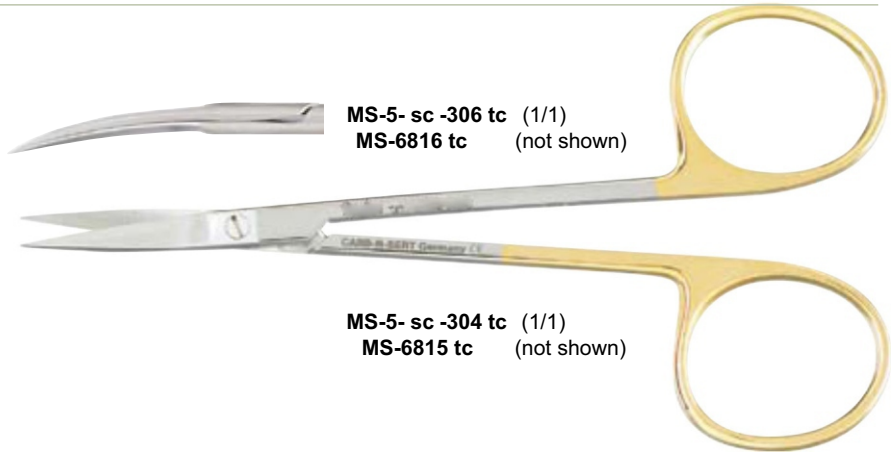


MS-5-sc -306 (1/1)

MS-5- sc -304 (1/1)
pM-6815 (not shown)

IRIS Scissors, SuperCut & Tungsten Carbide
one micro fine serrated blade
4-1/2" (11.4 cm), straight
4-1/2" (11.4 cm), curved

4-1/2" (11.4 cm), straight
4-1/2" (11.4 cm), curved



MS-5- sc -306 tc (1/1)
MS-6816 tc (not shown)

MS-5- sc -304 tc (1/1)
MS-6815 tc (not shown)

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



MS-18-1419 (1/1)

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



MS-4773 (1/1)

MS-4772 (1/1)

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



MS-3102 (1/1)

MS-3100 (1/1)

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



MS-4635 (1/1)

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GRAUL Iris Scissors
delicate blades, sharp tips, large finger rings
4" (10.2 cm), straight
4" (10.2 cm), curved

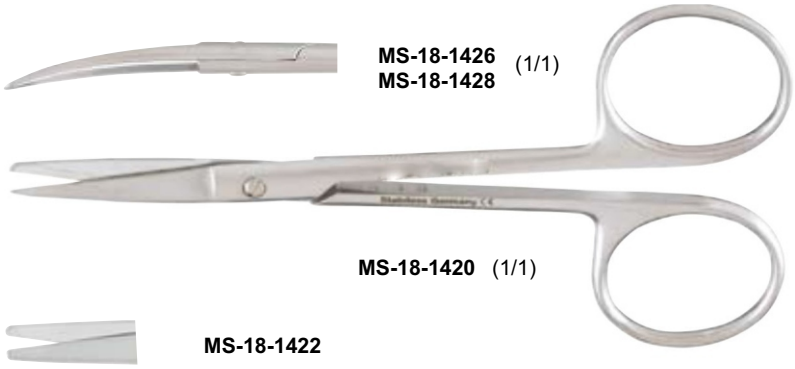


MS-4930 (1/1)

MS-4931 (1/1)

KNAPP Iris Scissors
4" (10.2 cm), straight, sharp/blunt tips
4" (10.2 cm), curved, sharp/blunt tips

4" (10.2 cm), straight, blunt/blunt tips
4" (10.2 cm), curved, blunt/blunt tips

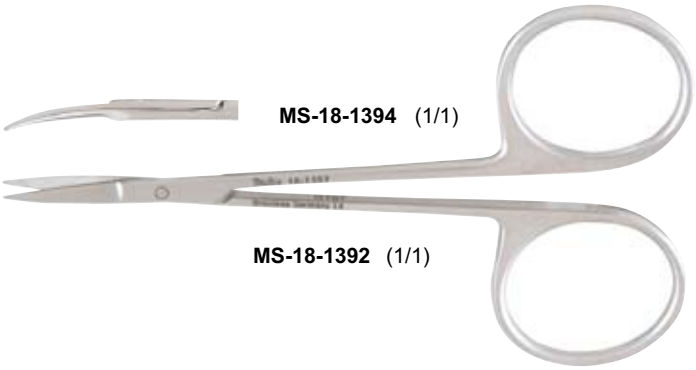


MS-18-1426
MS-18-1428 (1/1)

MS-18-1420 (1/1)

MS-18-1422

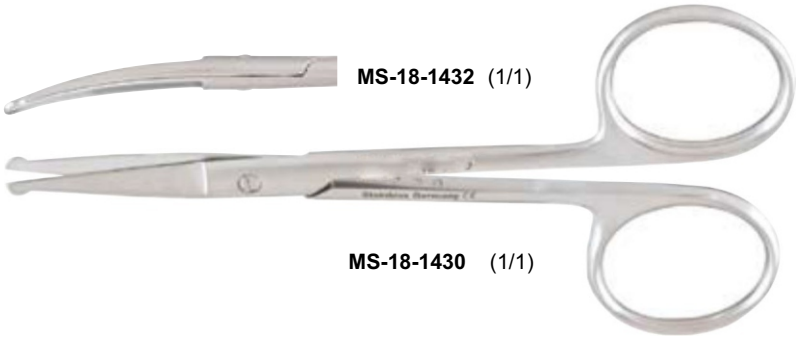
BONN Miniature Iris Scissors
with 15 mm blades, sharp tips
3-1/2" (8.9 cm), straight
3-1/2" (8.9 cm), curved



MS-18-1394 (1/1)

MS-18-1392 (1/1)

EYE Scissors
with probe tips
4" (10.2 cm), straight
4" (10.2 cm), curved



MS-18-1432 (1/1)

MS-18-1430 (1/1)

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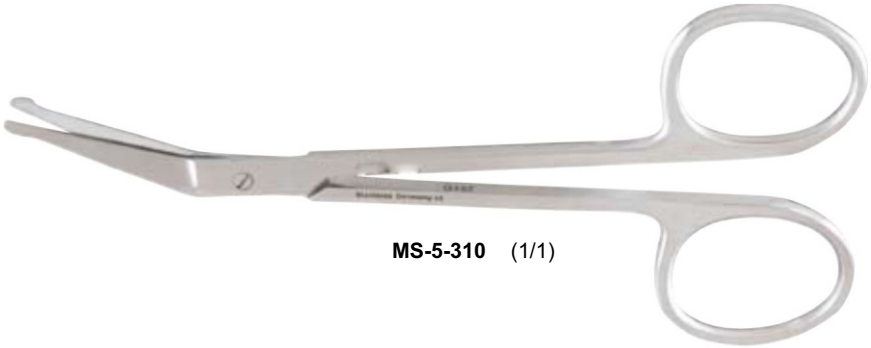
EYE Scissors
with probe tips
4-1/2" (11.4 cm), angled on side



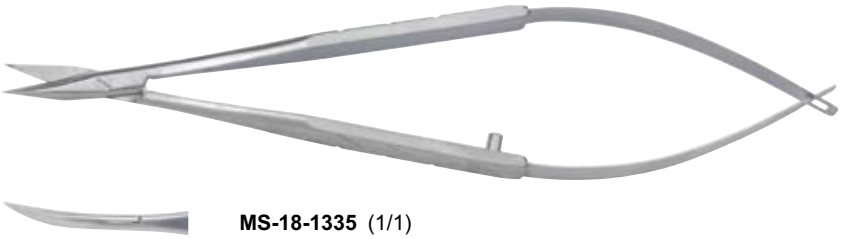
MS-5-310 (1/1)

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



MS-5D-303 (1/1)

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

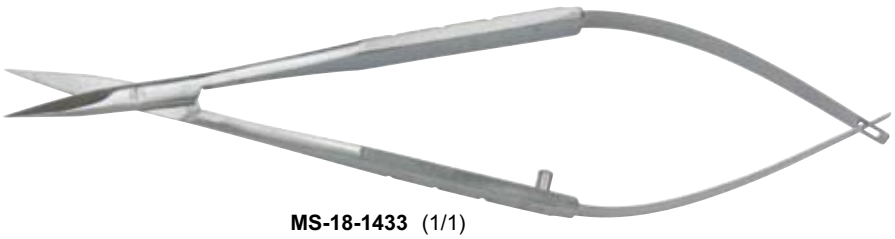


MS-18-1335 (1/1)



MS-18-1434 (1/1)

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



MS-18-1433 (1/1)

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



MS-18-1485 (1/1)

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



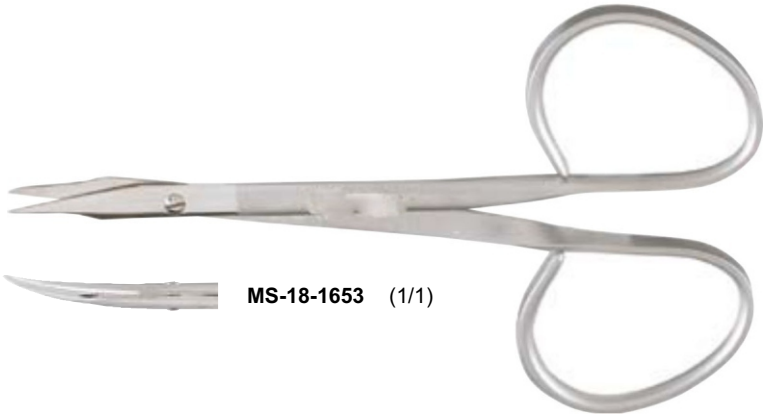
MS-18-1652 (1/1)

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



MS-18- sc -1652 (1/1)

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



MS-18-1653 (1/1)

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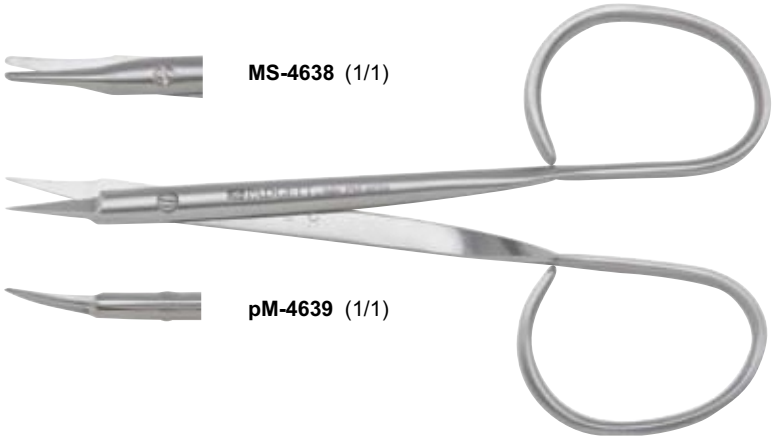
HAYNES Suture Scissors
ribbon type, sharp tips
4-3/8" (11.1 cm), curved



MS-4648 (1/1)

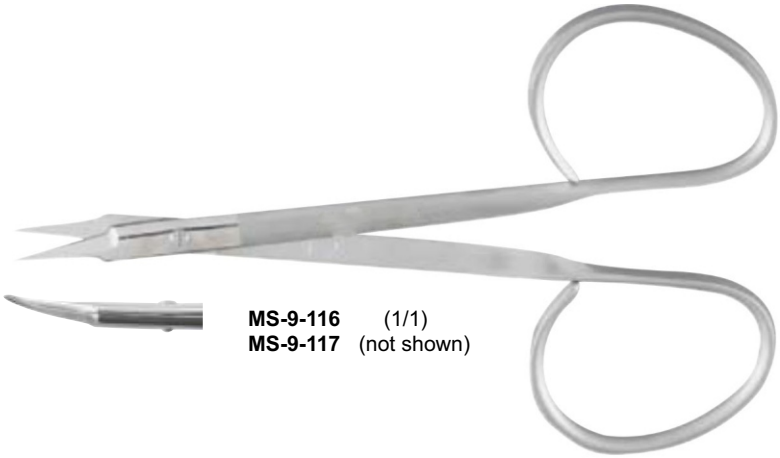
PADGETT Suture/Stitch Scissors
ribbon type, short blades, curved
3-7/8" (9.8 cm), blunt tips, rounded blades
3-7/8" (9.8 cm), sharp tips, flat blades



MS-4638 (1/1)

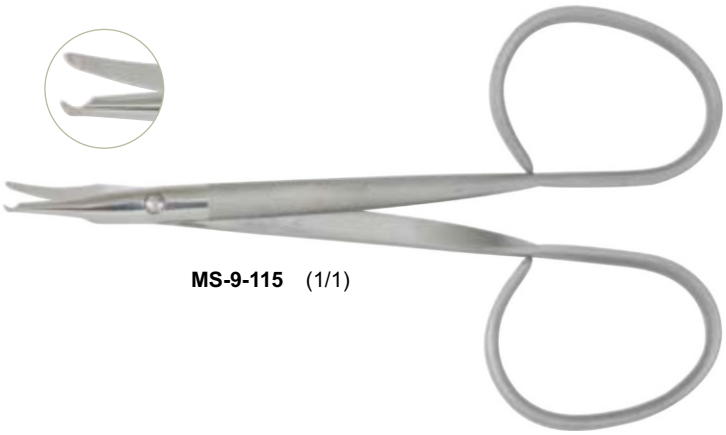
pM-4639 (1/1)

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



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

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



MS-9-115 (1/1)

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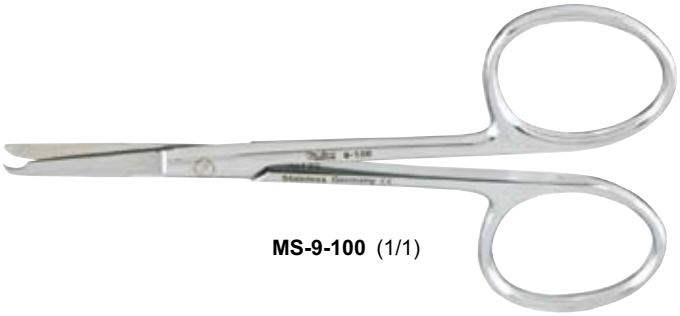
SPENCER Stitch Scissors
delicate, with hook
3-1/2" (8.9 cm), straight



MS-9-100 (1/1)

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



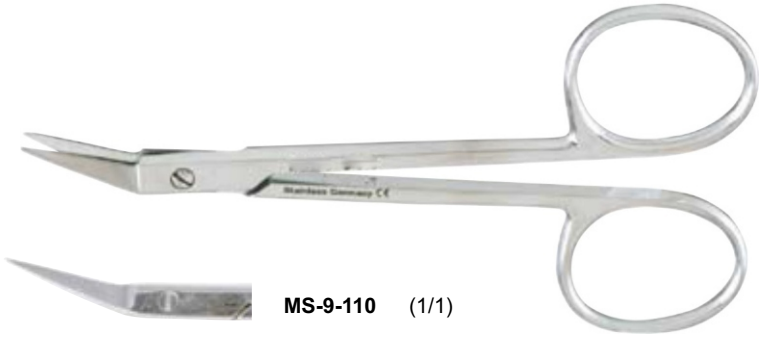
MS-6751 (1/1)

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



MS-9-101 (1/1)

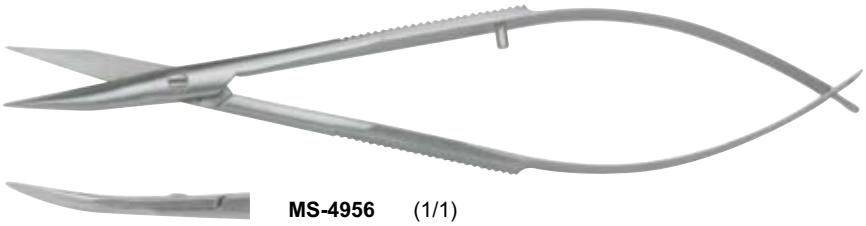
O'BRIEN Stitch Scissors
sharp tips
3-3/4" (9.5 cm), angled



MS-9-110 (1/1)

Email: mandirisurgicals@gmail.com / **Whatsapp Contact:** +923207230000

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



MS-4956 (1/1)

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



MS-18-1480 (1/1)

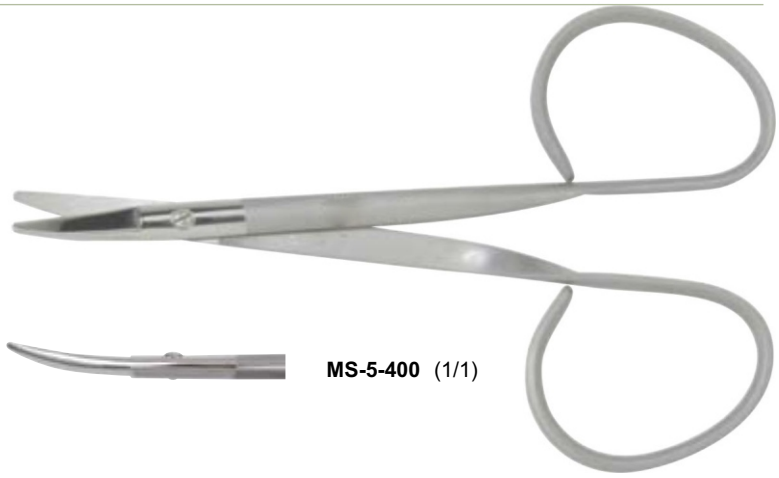


MS-18-1486 (1/1)



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

Mandiri® Utility Scissors
ribbon type, blunt tips
4" (10.2 cm), curved



MS-5-400 (1/1)

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



MS-4718 (1/1)

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

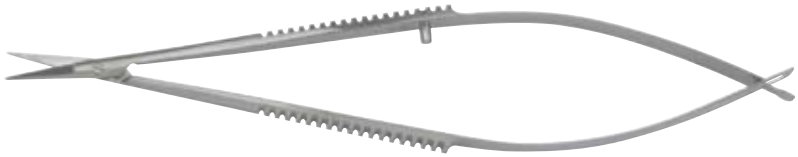


MS-5D-324 (1/1)



MS-4957 (1/1)

HOOD Micro Dissecting Scissors
sharp tips
4" (10.2 cm), straight
4" (10.2 cm), curved



MS-4958 (1/1)

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



MS-5-320 (1/1)

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



MS-5-320 tc (1/1)

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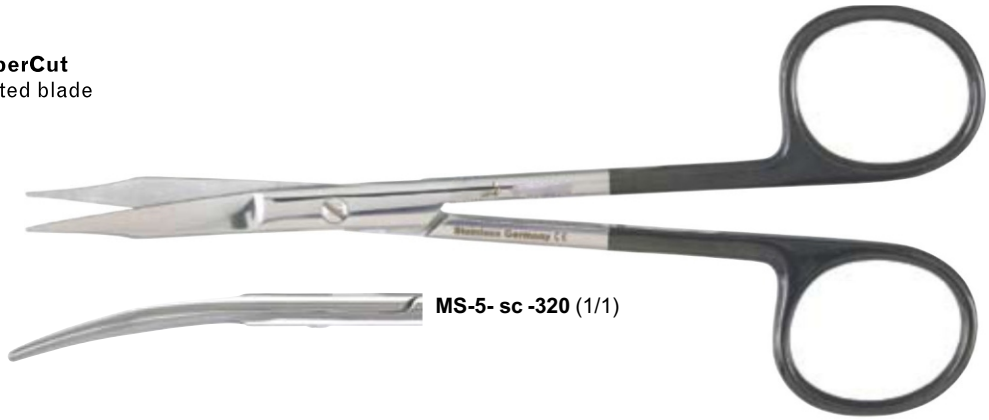
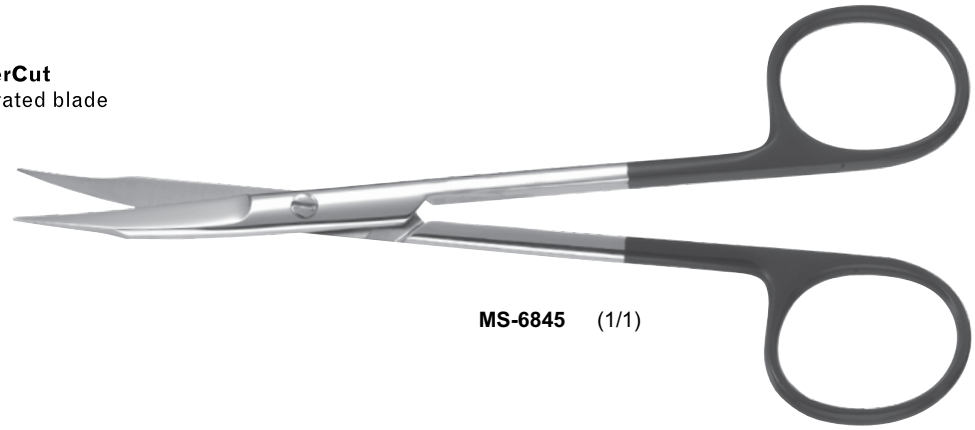
GOLDMAN-FOX Scissors, SuperCut
fine blunt tips, one micro fine serrated blade
5" (12.7 cm), curved



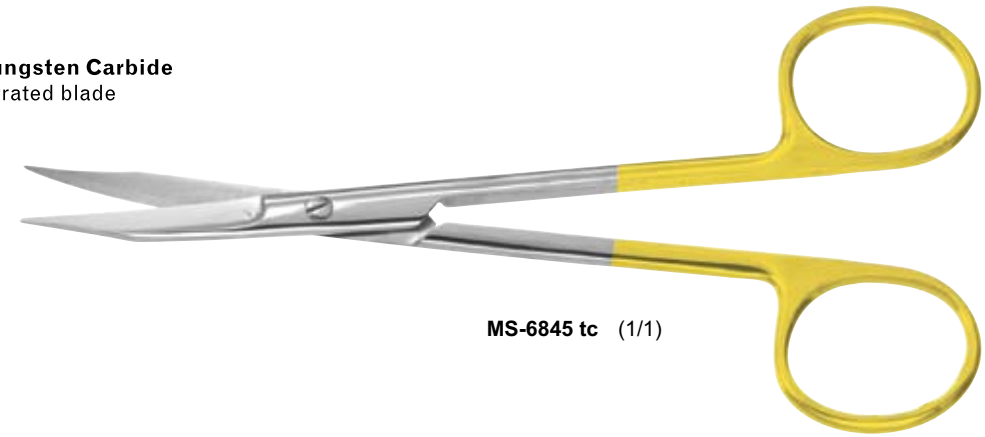
MS-5- sc -320 (1/1)

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

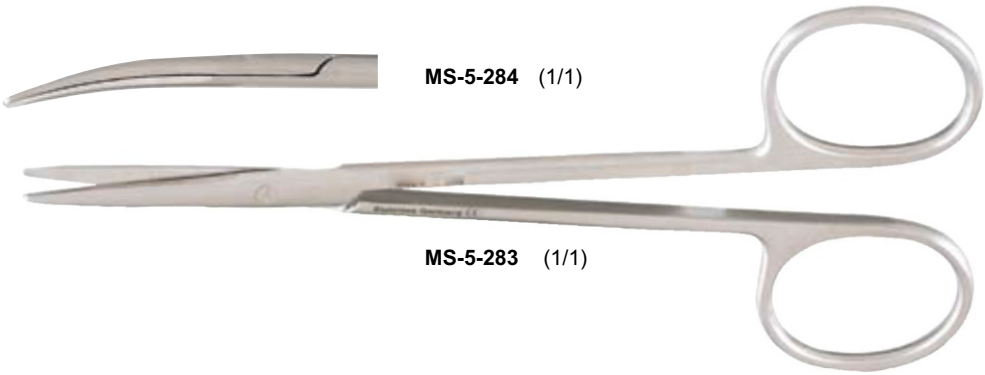


MS-6845 (1/1)

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



MS-6845 tc (1/1)



MS-5-284 (1/1)

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

MS-5-283 (1/1)

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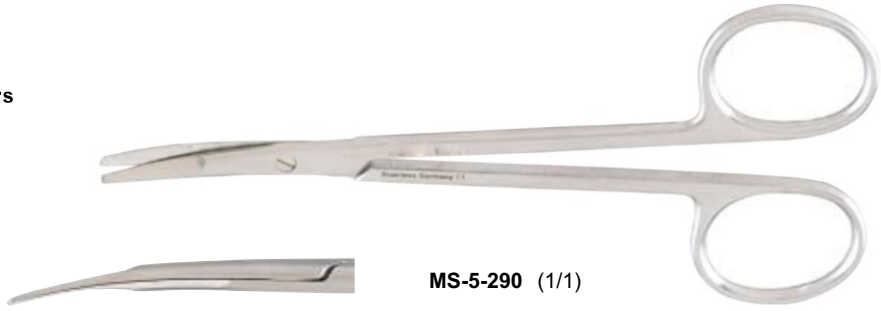
METZENBAUM Scissors, SuperCut
delicate, one micro fine serrated blade
4-1/2" (11.4 cm), straight
4-1/2" (11.4 cm), curved



MS-5- sc -284 (1/1)

MS-5- sc -283 (1/1)

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



MS-5-290 (1/1)

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



MS-5- sc -290 (1/1)

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



MS-21- sc -745 (1/1)

MS-6855 & MS-6856 (not shown)

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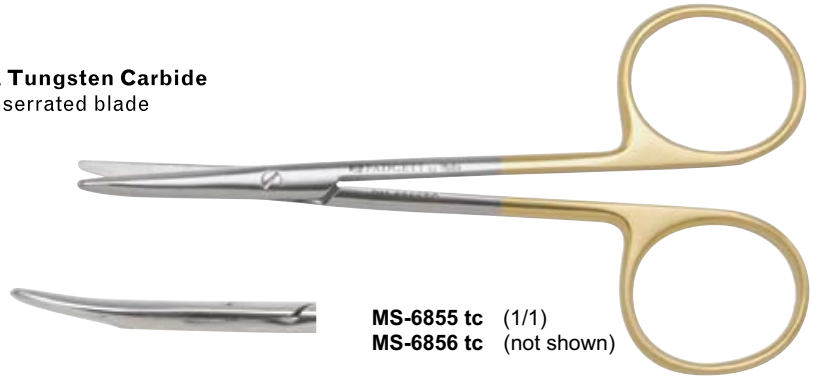
PAR Tissue & Dissecting Scissors, Tungsten Carbide
delicate blades with blunt tips
4-1/2" (11.4 cm), curved
5-3/4" (14.6 cm), curved



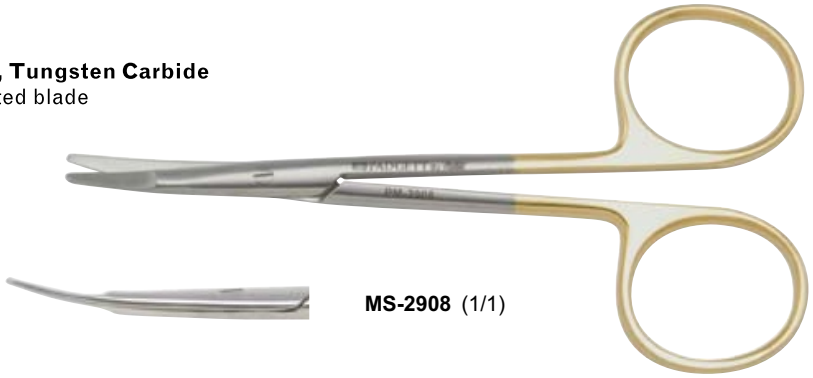
MS-2930 (1/1)
MS-2911 (not shown)

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



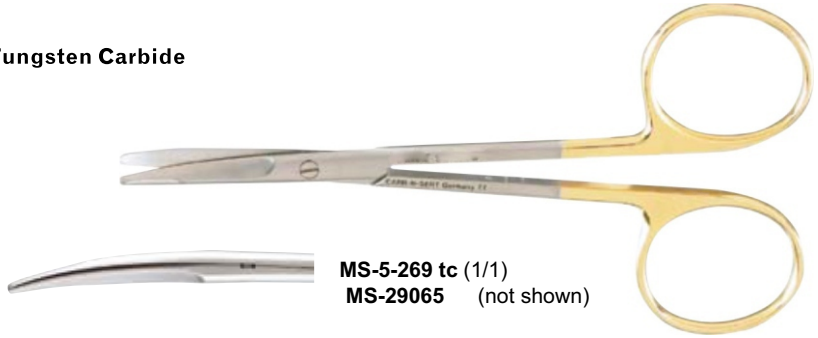
MS-6855 tc (1/1)
MS-6856 tc (not shown)

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



MS-2908 (1/1)

KAYE Blepharoplasty/Dissecting Scissors, Tungsten Carbide
one serrated blade
4-1/2" (11.4 cm), curved
4-1/2" (11.4 cm), curved



MS-5-269 tc (1/1)
MS-29065 (not shown)

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



MS-6862 (1/1)

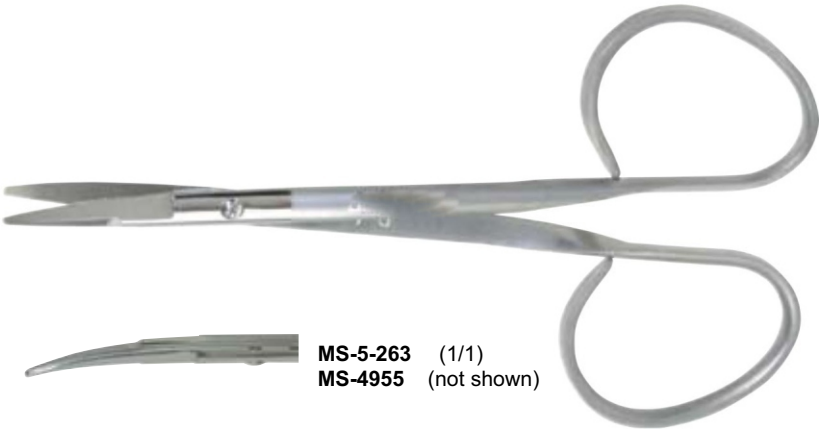
MS-6863 (1/1)

Mandiri ® & Padgett Blepharoplasty/Dissecting Scissors, Tungsten Carbide
delicate flat tips, one serrated blade
4-1/2" (11.4 cm), curved
4-1/2" (11.4 cm), curved



MS-537 tc (1/1)
MS-6435 (not shown)

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



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

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NEEDLE HOLDERS



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

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



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



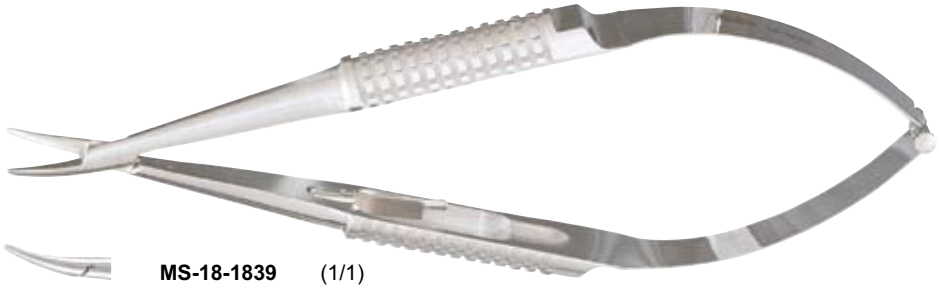
MS-18-1852 (1/1)
MS-18-1850 (not shown)

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



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

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



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

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



MS-18-1840 (1/1)

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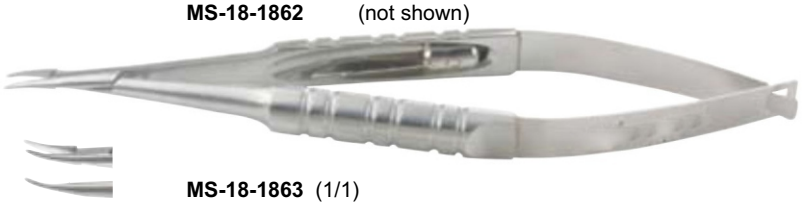
DREWS Needle Holder
extra delicate smooth jaws
4" (10.2 cm), straight, without lock
4" (10.2 cm), curved, without lock

4" (10.2 cm), straight, with lock
4" (10.2 cm), curved, with lock

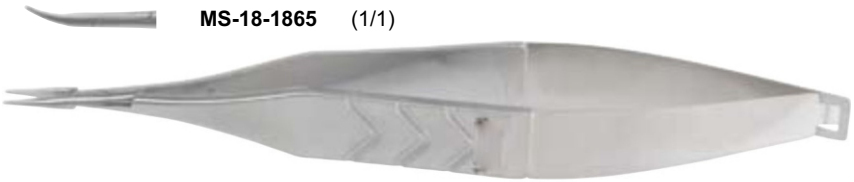


MS-18-1860 (1/1)
MS-18-1862 (not shown)



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

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



MS-18-1865 (1/1)

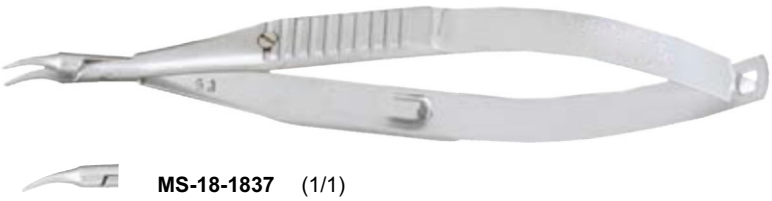
MS-18-1864 (1/1)

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



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

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



MS-18-1837 (1/1)

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Nawrooz® Micro Surgery Needle Holders
curved, smooth jaws with 0.6 mm tips,
hollow round handles
5-1/4" (13.3 cm), without lock
5-1/4" (13.3 cm), with lock



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

CASTROVIEJO Needle Holder
smooth jaws, without lock
5-1/2" (14 cm), straight
5-1/2" (14 cm), curved



(1/1)

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

CASTROVIEJO Needle Holder
smooth jaws, with lock
5-1/2" (14 cm), straight
5-1/2" (14 cm), curved



(1/1)

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

CASTROVIEJO Needle Holder, Tungsten Carbide
straight, with lock
5-1/2" (14 cm), smooth jaws
5-1/2" (14 cm), smooth jaws

5-1/2" (14 cm), serrated jaws
5-1/2" (14 cm), serrated jaws



MS-18-1828 tc (1/1)



MS-18-1828 a-tc (1/1)

MS-18-1828 tc (1/1)
MS-2445 & pM-2440 (not shown)

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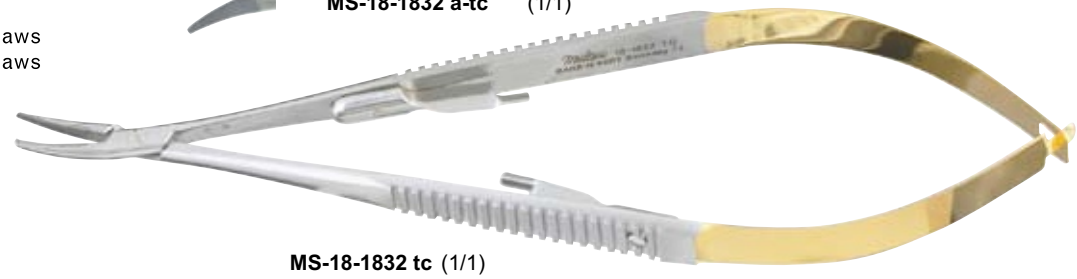
CASTROVIEJO Needle Holder, Tungsten Carbide
curved, with lock
5-1/2" (14 cm), smooth jaws
5-1/2" (14 cm), smooth jaws

5-1/2" (14 cm), serrated jaws
5-1/2" (14 cm), serrated jaws

MS-18-1832 tc (1/1)

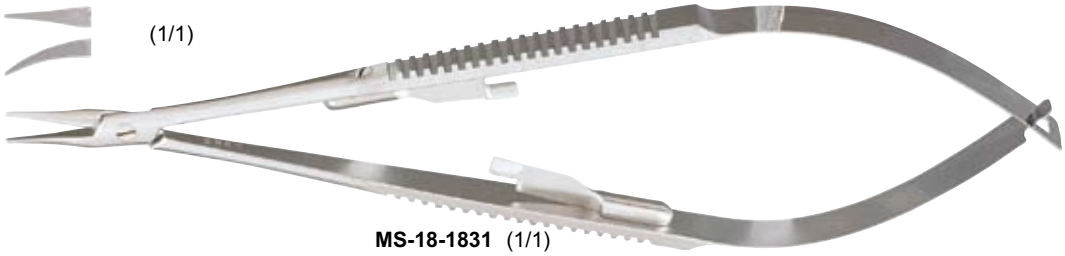
MS-18-1832 a-tc (1/1)



MS-18-1832 tc (1/1)
MS-2446 & MS-2441 (not shown)

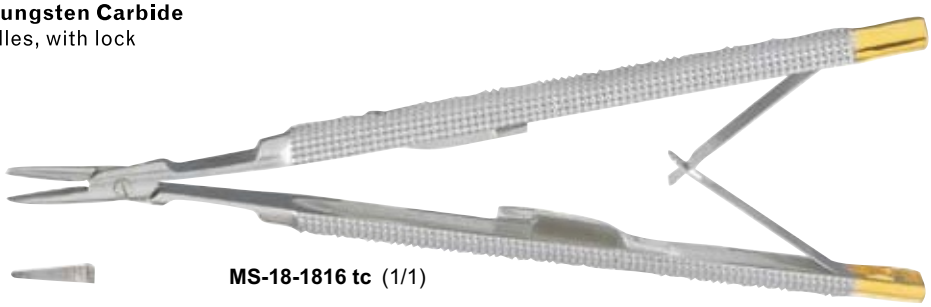
CASTROVIEJO Needle Holder
extra delicate smooth jaws, with lock
5-1/2" (14 cm), straight
5-1/2" (14 cm), curved

(1/1)



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

Nawrooz CASTROVIEJO Needle Holder, Tungsten Carbide
delicate smooth jaws, round hollow handles, with lock
4-3/4 (12.1 cm), straight



MS-18-1816 tc (1/1)

PADGETT-CASTROVIEJO Needle Holder
extra delicate smooth jaws, flat handles, with lock
holds 7/0 sutures
5-1/2" (14 cm), straight



MS-4709

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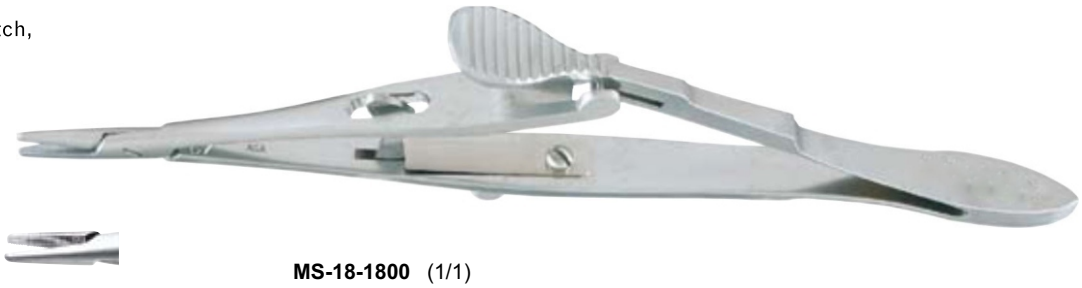
PATON Needle Holder
serrated jaws with notch, without lock
4-1/2 (11.4 cm), straight



MS-18-1834 (1/1)

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



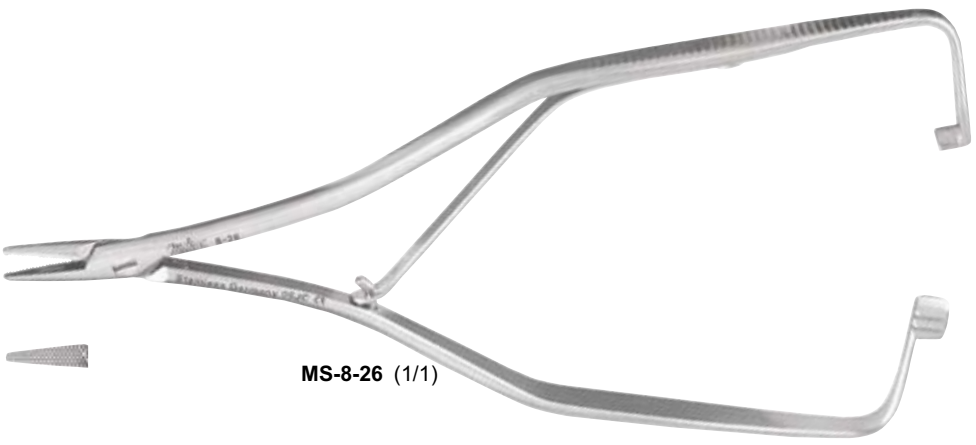
MS-18-1800 (1/1)

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



MS-18-1810 (1/1)

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



MS-8-26 (1/1)

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PAR Needle Holder, Tungsten Carbide
delicate serrated jaws, straight
4-1/2 (11.4 cm)
4-3/4 (12.1 cm)
5" (12.7 cm)
5-1/4" (13.3 cm)



MS-8-3 tc (1/1)
MS-8-5 tc , MS-2404 & MS-2414 (not shown)

WEBSTER Needle Holder, Tungsten Carbide
delicate smooth jaws, straight
5-1/4 (13.3 cm)
4-3/4 (12.1 cm)



MS-8-6 tc (1/1)
MS-2405 (not shown)

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WEBSTER Needle Holder, Tungsten Carbide
extra delicate, straight
4-3/4" (12.1 cm), smooth jaws
4-3/4" (12.1 cm), serrated jaws



(1/1)

MS-8-7tc (1/1)
MS-8-7 a-tc

OLSEN-HEGAR Needle Holder & Suture Scissors, Tungsten Carbide
4-3/4" (12.1 cm), serrated jaws
4-3/4" (12.1 cm), serrated jaws

4-3/4" (12.1 cm), smooth jaws
4-3/4" (12.1 cm), smooth jaws



MS-8-14 tc (1/1)
MS-2169



MS-8-14 a-tc (1/1)
MS-2165

MS-8-14tc (1/1)

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LACRIMAL INSTRUMENTS

DILATORS

ELEVATORS

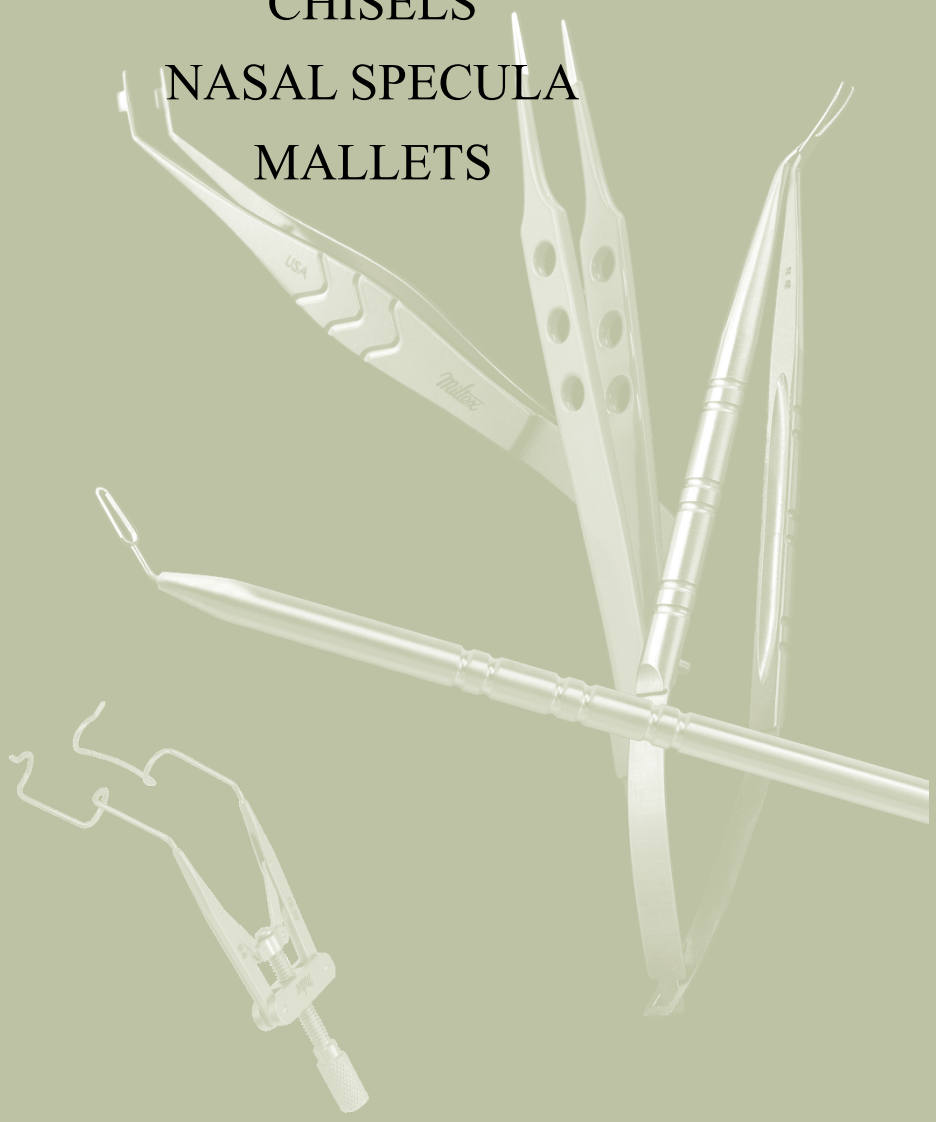
PROBES

RONGEURS

CHISELS

NASAL SPECULA

MALLETS



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



MS-18-680

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



MS-18-688

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



MS-18-691

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



MS-18-692

WILDER Lacrimal Dilator
4" (10.2 cm), size 1, fine taper
4" (10.2 cm), size 2, medium taper
4" (10.2 cm), size 3, heavy taper



MS-18-694



MS-18-696



MS-18-698

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



MS-18-700

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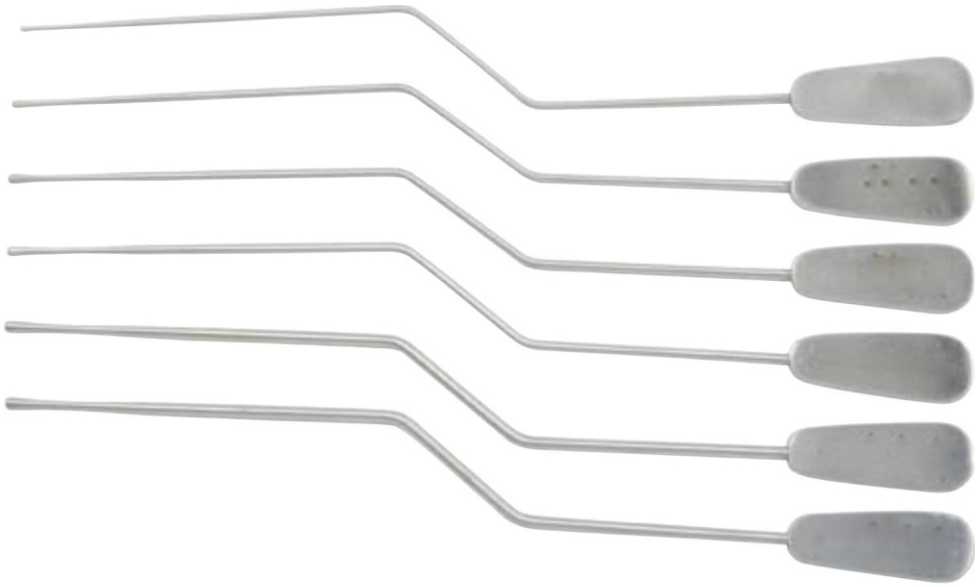
FRENCH PATTERN Lacrimal Probe
bayonet shape
5" (12.7 cm), size 00
5" (12.7 cm), size 0
5" (12.7 cm), size 1
5" (12.7 cm), size 2
5" (12.7 cm), size 3
5" (12.7 cm), size 4



WILLIAMS Lacrimal Probe
sterling, double ended
5" (12.7 cm), size 0000-000
5" (12.7 cm), size 00-0
5" (12.7 cm), size 1-2
5" (12.7 cm), size 3-4
5" (12.7 cm), size 5-6
5" (12.7 cm), size 7-8



BOWMAN Lacrimal Probe
sterling, double ended
5" (12.7 cm), size 0000-000
5" (12.7 cm), size 00-0
5" (12.7 cm), size 1-2
5" (12.7 cm), size 3-4
5" (12.7 cm), size 5-6
5" (12.7 cm), size 7-8



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WORST Pigtail Probe
for reconstruction of a torn tear duct
6" (15.2 cm), with hook and spiral probe
6" (15.2 cm), with hole and silicone cannula
Spare Tubing for PM-4739HK & PM-4739HL

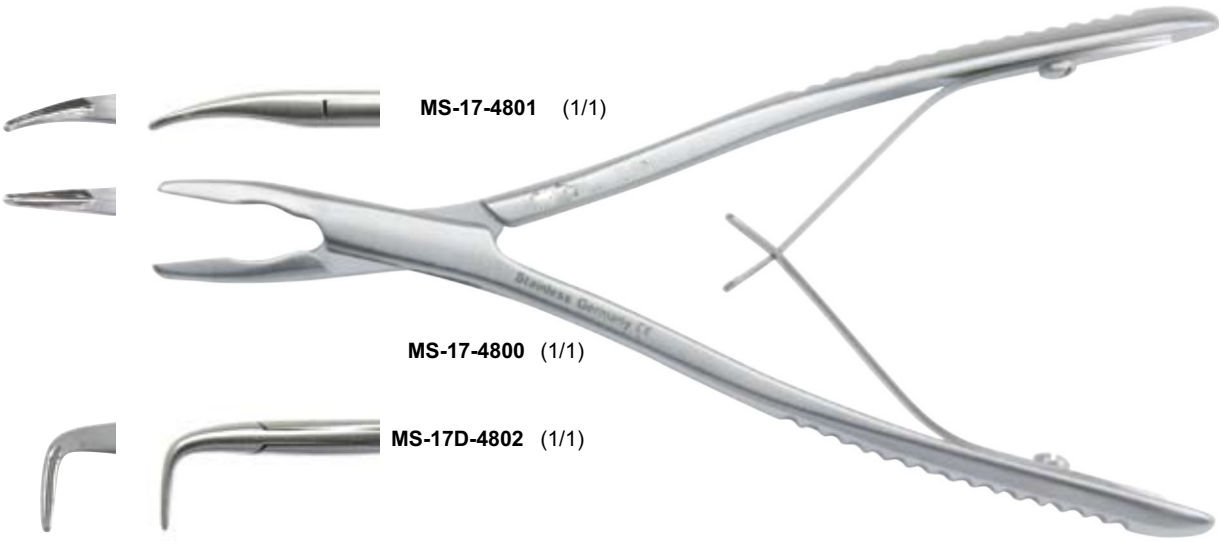


MS-4740



MS-4739 hK
MS-4739 hl (not shown)

Micro FRIEDMAN Rongeur
1.3 mm wide jaws, very delicate
5-1/2" (14.0 cm), straight
5-1/2" (14.0 cm), curved
5-1/2" (14.0 cm), 90° angled



MS-17-4801 (1/1)

MS-17-4800 (1/1)

MS-17D-4802 (1/1)

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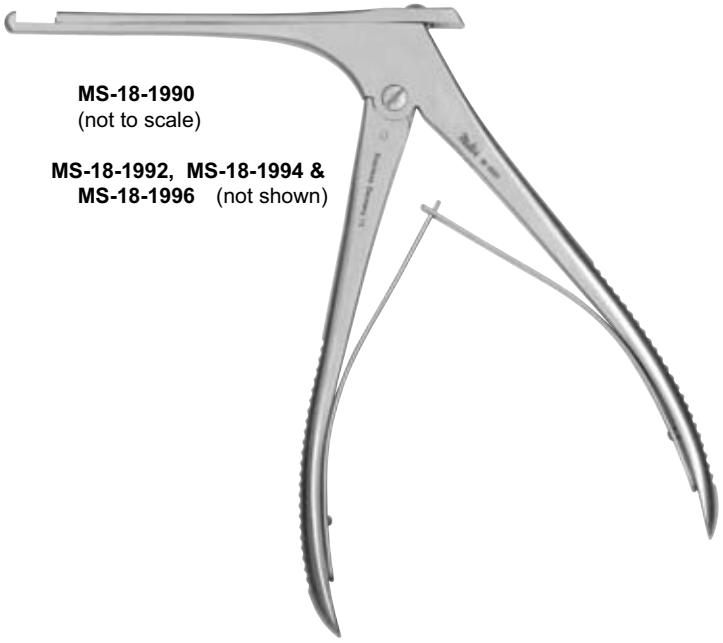
KERRISON Rongeur
3" (7.6 cm) shaft, size 0, 3.5 mm bite
3" (7.6 cm) shaft, size 1, 4.0 mm bite
3" (7.6 cm) shaft, size 2, 4.5 mm bite
3" (7.6 cm) shaft, size 3, 5.0 mm bite



MS-18-1990
(not to scale)

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

BEYER Rongeur
3 mm bite, double action
7" (17.8 cm), slightly curved



MS-19-844 (not to scale)

LEMPERT Rongeur
2.5 mm bite, delicate
6-1/4" (15.9 cm), straight
6-1/4" (15.9 cm), curved



MS-19-1230 (not to scale)



MS-19-1232

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



MS-18-1960

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



MS-18-1962



MS-18-1964

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



MS-18-1968

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



MS-21-64

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



MS-21-68

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ARRUGA Lacrimal Trephine
without center point, 7 mm diameter
without center point, 8 mm diameter
with center point, 8 mm diameter
with center point, 9 mm diameter
with center point, 10 mm diameter



MS-18-1950-7



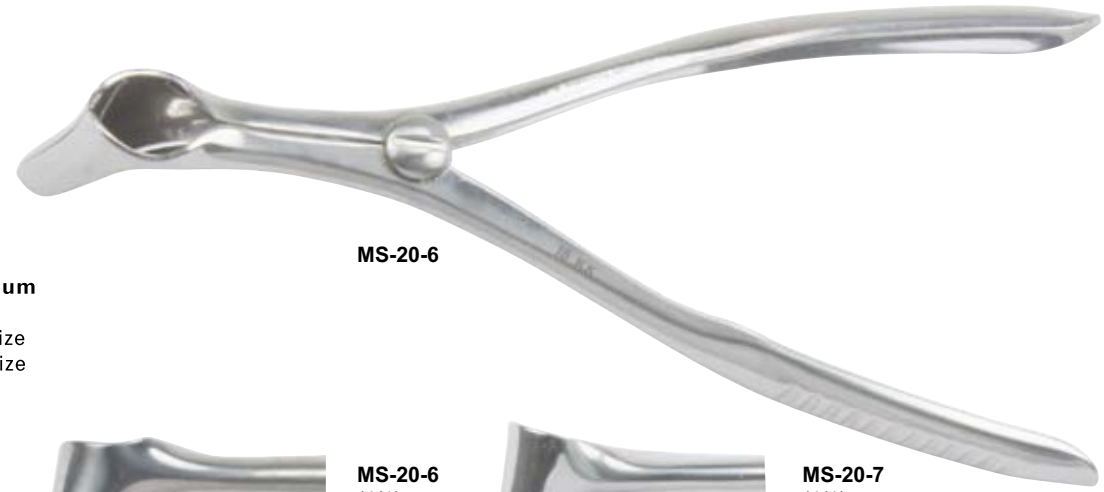
MS-18-1950-7
MS-18-1950-8
MS-18-1952-8
MS-18-1952-9
MS-18-1952-10

TIECK (HALLE) Infant Nasal Speculum
5-1/2" (14.0 cm)



MS-20-12
(1/1)

VIENNA Nasal Speculum
lightweight
5-3/4" (14.6 cm), child size
5-3/4" (14.6 cm), adult size



MS-20-6



MS-20-6
(1/1)



MS-20-7
(1/1)

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



20-4



MS-20-4 (1/1)



MS-20-3 (1/1)



MS-20-2 (1/1)

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



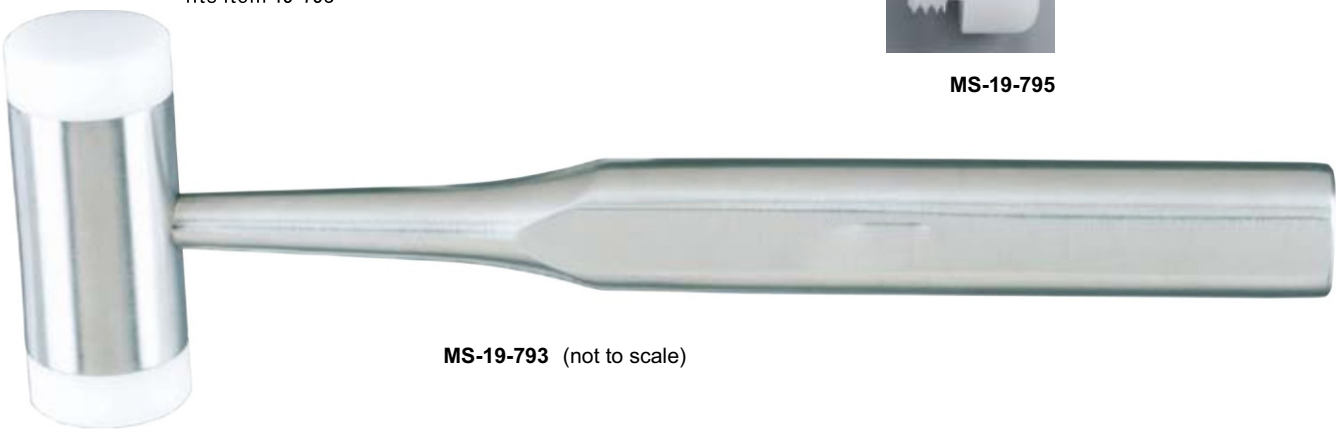
MS-19-790

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

NYLON Cap Replacement
fits item 19-793



MS-19-795



MS-19-793 (not to scale)

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CALIPERS



SCHIOTZ Tonometer
includes 3 weights (5.5 gr., 7.5 gr. and 10 gr.), plunger, stainless steel footplate & test block
original model
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.



MS-18-132
MS-18-132 a
(not shown to scale)

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



MS-18-139
(not shown to scale)

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



18-650



MS-68-699

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



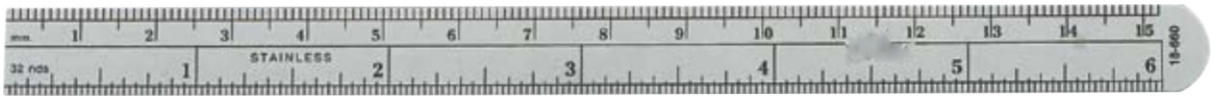
MS-18-657

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

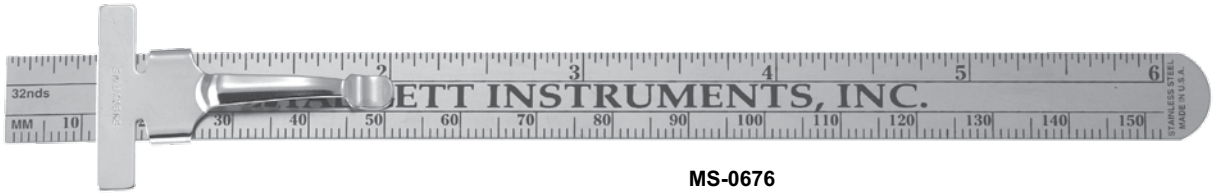


MS-18-658

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

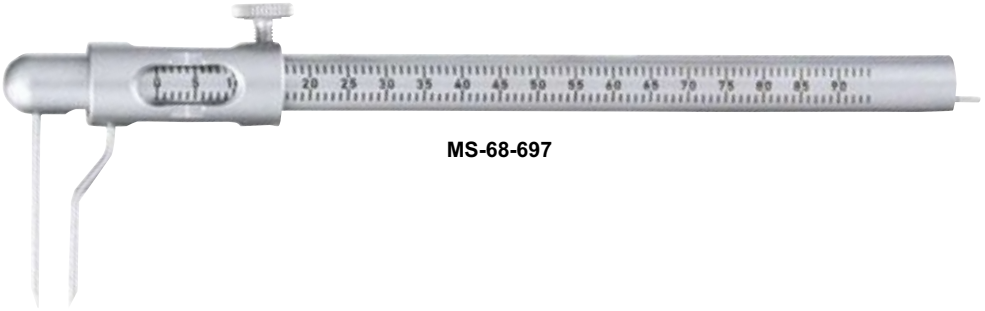


MS-18-660



MS-0676

Micro Boley Gauge
stainless steel
5" (12.7 cm)



MS-68-697

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BLADES, KNIFE HANDLES
& ACCESSORIES



Miniature Blade Handle
round knurled handle (3K type)
3-3/4" (9.5 cm), with chuck
3-3/4" (9.5 cm), with self-locking chuck



MS-4-400



MS-4-401

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



MS-4-405

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



MS-4-7

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



MS-4-16

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



MS-4-17

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



MS-425

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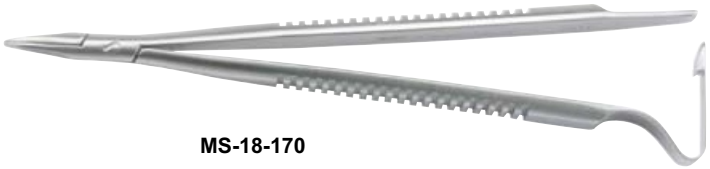
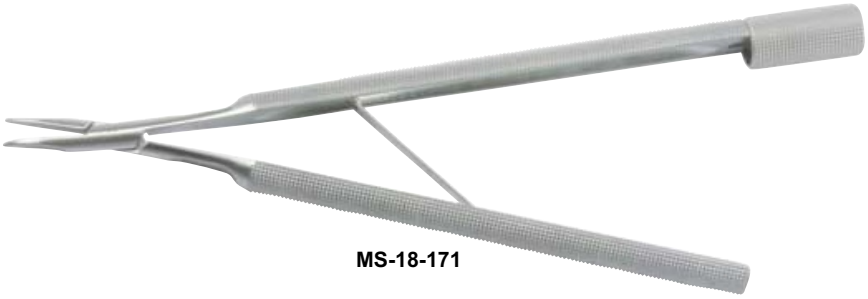
BARRAQUER Blade Breaker & Holder
with ratchet lock
4-1/2" (11.4 cm)



MS-18-170

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



MS-18-171

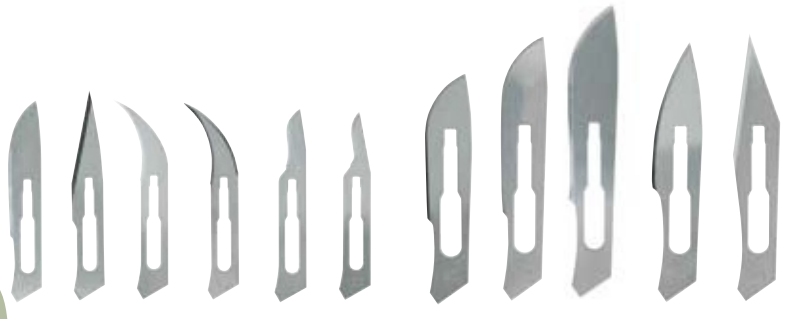
TROUTMAN-BARRAQUER Mini Blade Breaker & Holder
angled jaws 3 x 10 mm, with push-pull lock
3-3/4" (9.5 cm)



MS-18-172

SURGICAL BLADES, Sterile
Carbon or Stainless Steel

- Razor-sharp cuttingedgeforsuperior cutting and clean incisions
- Sterile, 5-yearshelflife
- Individually packagedinfoilpeelpacks
- Convenience ofdisposables,single-use
- Sizes clearlymarkedoneachblade
- Available incarbonandstainlesssteel
- Each dispenserboxcontains100blades
- Eleven sizesavailable



10 11 12 12B▲ 15 15C▲▲ 20 21 22 23 25

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

*Carbon Steel ** Stainless Steel
[s] B is a double edged blade
[ss] C is an angled blade

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

*Carbon Steel ** Stainless Steel
[s] B is a double edged blade
[ss] C is an angled blade

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ISTRUMENT

CARE & CLEANING



Nawrooz® Instrument Care & Cleaning Products

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

Mandiri® 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.

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



MS-3-760

Mandiri® Spray Lube (Surgical Instrument Lubricant)

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.

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



MS-3-700

Mandiri® 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 toUse
- Neutral pH
- Multi-use asaninstrumentpresoak,ultrasoniccleaner,laundry presoak and evacuation system cleaner
- Space-saving orbulkpackagingoptions

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



MS-3-755

MS-3-750

® Surgical Instrument Cleaner

Super concentrate formula for manual and ultrasonic cleaning or soaking of surgical instruments, accessories and glassware.

- Neutral pH
- Biodegradable
- Rinses free,leavesnoresidue
- Phosphate-free
- Concentrated

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



MS-3-725

MS-3-720

MS-3-726

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Mandiri® 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 &BrighterInstruments
- Removes Stains,BloodandMineralDeposits
- Biodegradable
- Concentrate, LowerCostPerUse

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



MS-3-710

Mandiri® 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 toextendtheworkinglifeofsurgicalinstruments
- Helps PreventCorrosion
- Formulated withgentle,non-aggressiveingredients
- Frees UpBoxLocks-Lubricatesmovingpartsofsurgicalinstruments

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



MS-3-705

Mandiri® 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 oninstruments,autoclaves,ultrasoniccleaners or any stainless steel, tile or plated surface
- Will notharminstrumentsurfaces
- Easy, fast,convenienttouse
- Economical -alittlegoesalongway

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



MS-3-740

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

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



MS-3-800

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Nawrooz® 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.



MS-3-810



MS-3-1000

Nawrooz® Nylon & Stainless Steel Brushes

- Nylon bristlesforeffectivecleaningofinstrumentboxlocks
- Stainless steelbristlesforcleaningserrations
- Autoclavable
  7-1/4 (18.4 cm), Nylon Bristles (Set of 3)
  7-1/4 (18.4 cm), Stainless Steel Bristles (Set of 3)



MS-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

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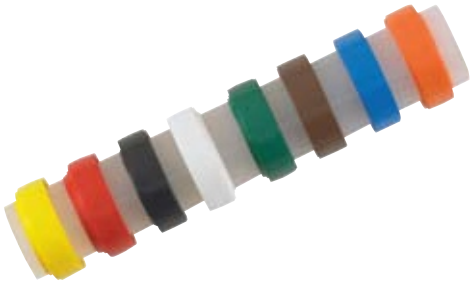
TAPE N TELL Adhesive Strips

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

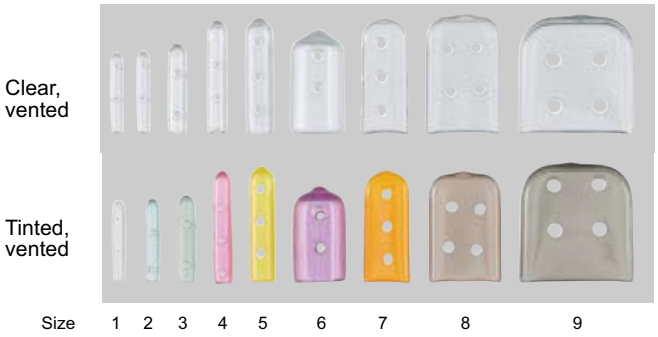
Ref	Description
MS-017-48220	TAPE NTELL WHITE
MS-017-48221	TAPE NTELL YELLOW
MS-017-48222	TAPE NTELL RED
MS-017-48223	TAPE NTELL BLUE
MS-017-48224	TAPE NTELL GREEN
MS-017-48225	TAPE NTELL BLACK
MS-017-48226	TAPE NTELL ORANGE
MS-017-48227	TAPE NTELL BROWN
MS-017-48230	TAPE NTELL 8 ASSORTED

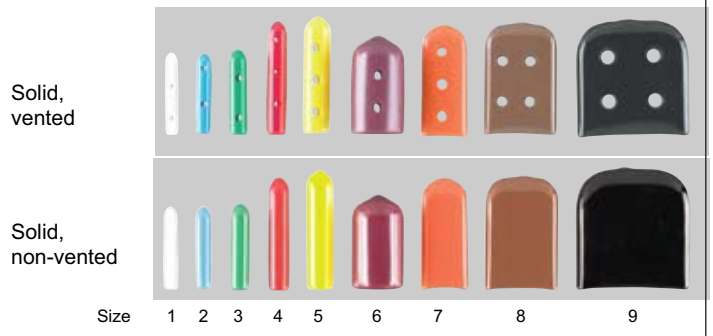


TIP-IT Instrument Guards

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

* Color does not apply to clear vented pattern

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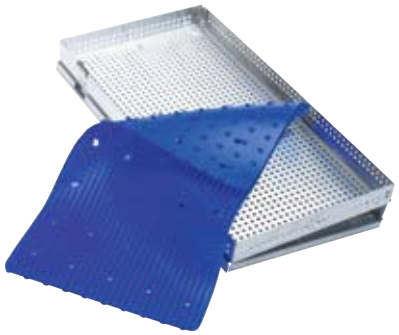
Mandiri® Instrument Storage System featuring the Tuck-Away Lid



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

Latex-Free Silicone Mats





1. The raised mat (or feet) assures adhesion of the mat to the tray surface.
2. Holes positioned on mat for proper drainage.
3. Soft cushion fingers protect your instrument investment.
4. Customized to fit perfectly into Miltex® Cassettes.

UNIVERSAL CASSETTE WITHOUT MAT

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

SLIMLINE SERIES WITHOUT MAT

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

*Single-hinge design

MAT ONLY

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

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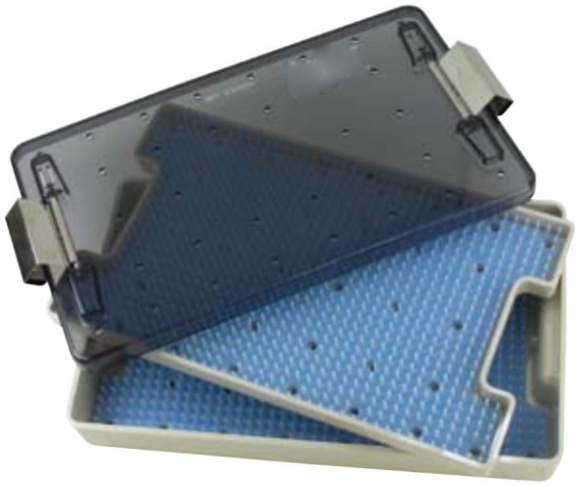
Tray with Silicone Mat
7 x 11 (17.8 x 27.9 cm), single layer



MS-3-200100
(not to scale)

Tray with Silicone Mats
7 x 11 (17.8 x 27.9 cm), double layer



MS-3-200200
(not to scale)

Tray with Silicone Mat
4 x 8 (10.2 x 20.3 cm), single layer



MS-3-200300
(not to scale)

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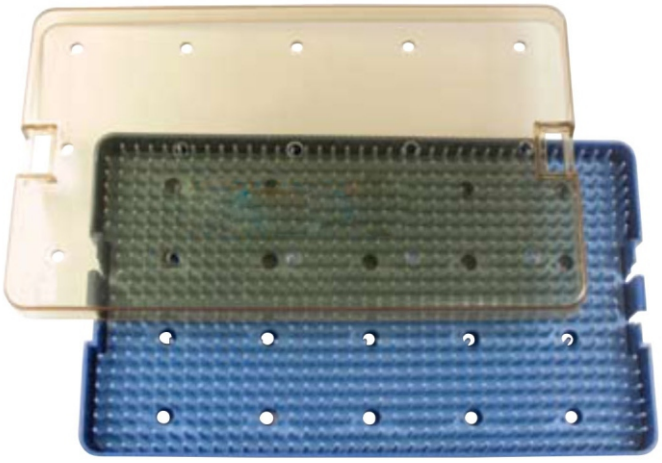
Small Plastic Tray with Silicone Mat
2-3/4'' x 1-3/4'' x 3/4'' (73 x 44 x 19 mm)



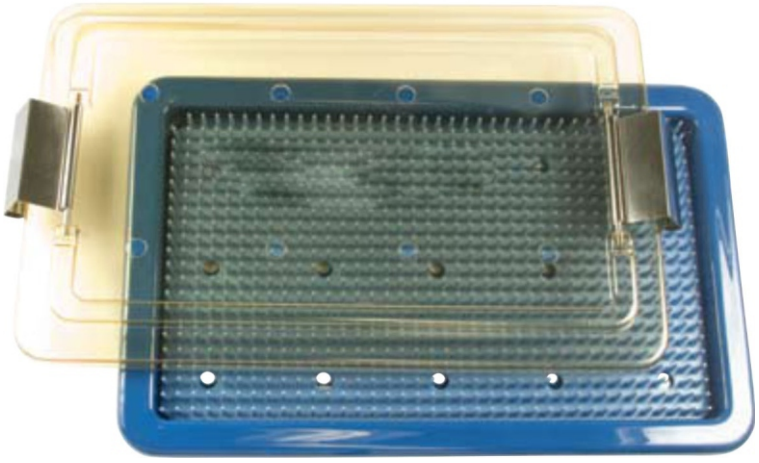
MS-9323
(not to scale)

Microsurgical Plastic Tray with Silicone Mat
10'' x 5-3/4'' x 3/4'' (254 x 146 x 19 mm)



MS-9326
(not to scale)

Microsurgical Plastic Tray with Silicone Mat
11'' x 7'' x 3/4'' (279 x 178 x 19 mm)



MS-9325
(not to scale)

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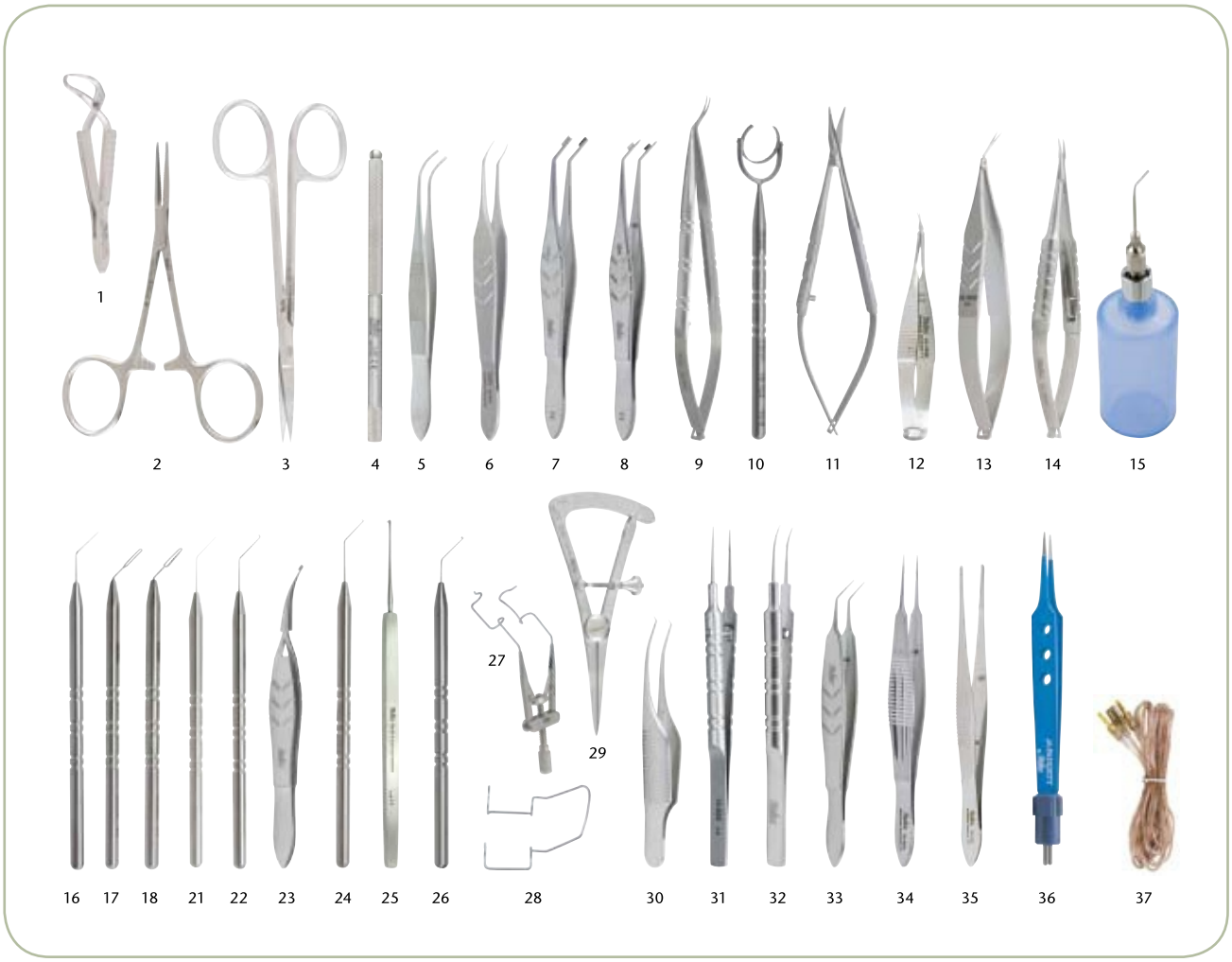
SUGGESTED INSTRUMENT SET



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



REF	Key	Description
MS-7-24	1	Hartman Mosquito Forceps, straight
MS-7-501	2	Jones Towel Clamp
MS-5-304	3	Iris Scissors, straight
MS-4-401	4	Miniature Blade Handle, 3K type with locking chuck
MS-18-1058	5	Schweiger Extra-Capsular Forceps, 4 x 5 teeth, curved
MS-18-1070	6	Buratto IOL Insertion Forceps
MS-18-1072	7	Dodick IOL Folding Forceps, for soft IOL
MS-18-1073	8	Livernois IOL Folding Forceps, for soft IOL
MS-18-1094	9	Inamura Capsulorhexis Forceps
MS-18-123	10	Fine-Thornton Swivel Fixation Ring, blunt teeth, 13 mm
MS-18-1489	11	Westcott Tenotomy Scissors, curved
MS-18-1622	12	Vannas Scissors, very delicate sharp tips, curved
MS-18-1640	13	Stern-Gills Scissors, angled
MS-18-1863	14	Drews Needle Holder, curved, extra delicate, with lock
MS-18-2162	15	Bishop-Harmon Irrigator, 19 gauge cannula with bulb
MS-18-2003	16	Kansas Nucleus Bisector
MS-18-2004	17	Alfonso Nucleus Trisector, 1.5 mm
MS-18-2005	18	Bucher-Kansas Nucleus Trisector, 2.5 mm
MS-18-2030	19	Alfonso Cutting Platform, 2 mm *(not illustrated)*
MS-18-2031	20	Alfonso Cutting Platform, 3 mm *(not illustrated)*

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

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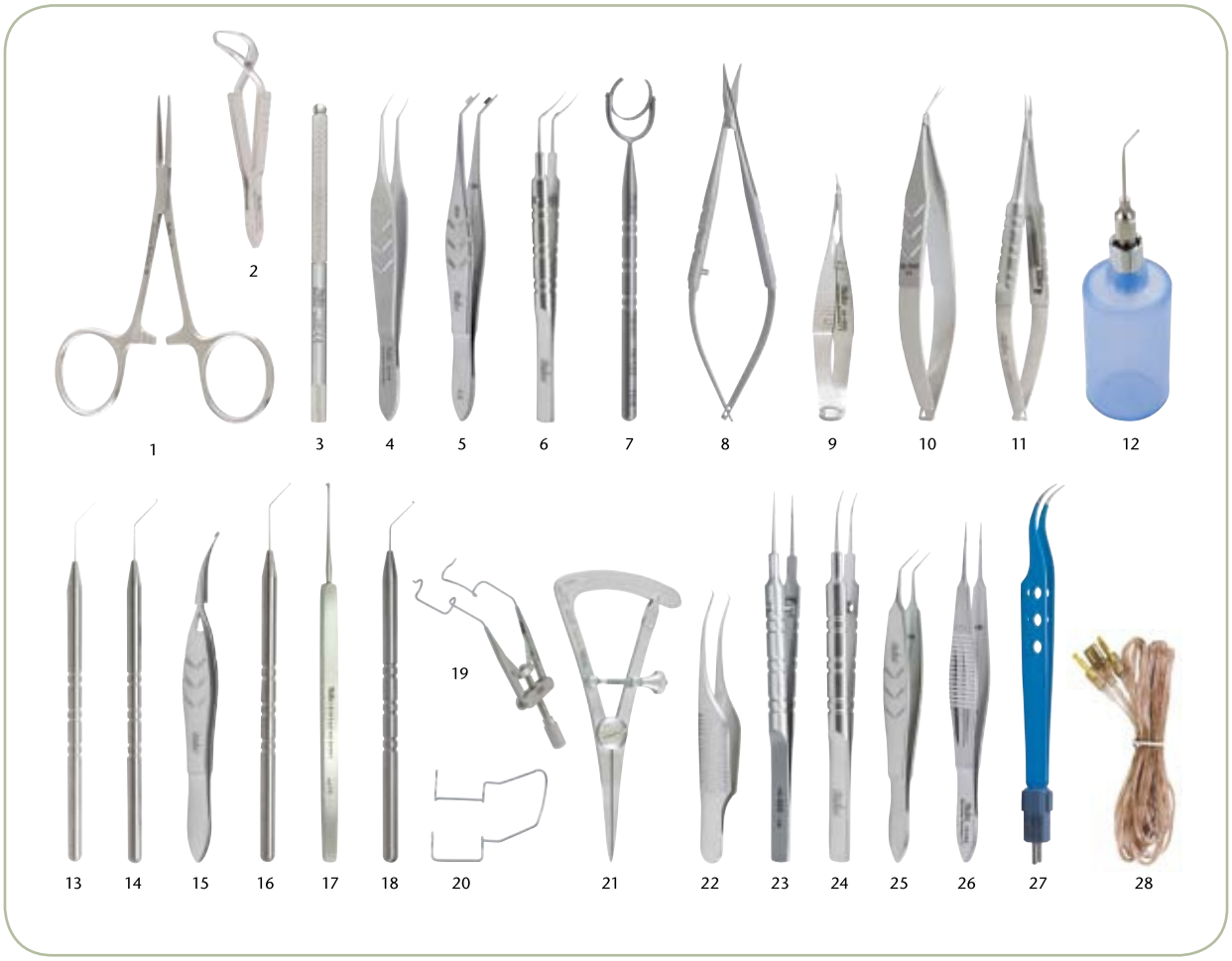
ECCE (Extra-Capsular Cataract Extraction) using PHACOEMULSIFICATION



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

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

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MANUAL PHACOFRACTURE CATARACT EXTRACTION SET



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

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GLAUCOMA SURGERY SET



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

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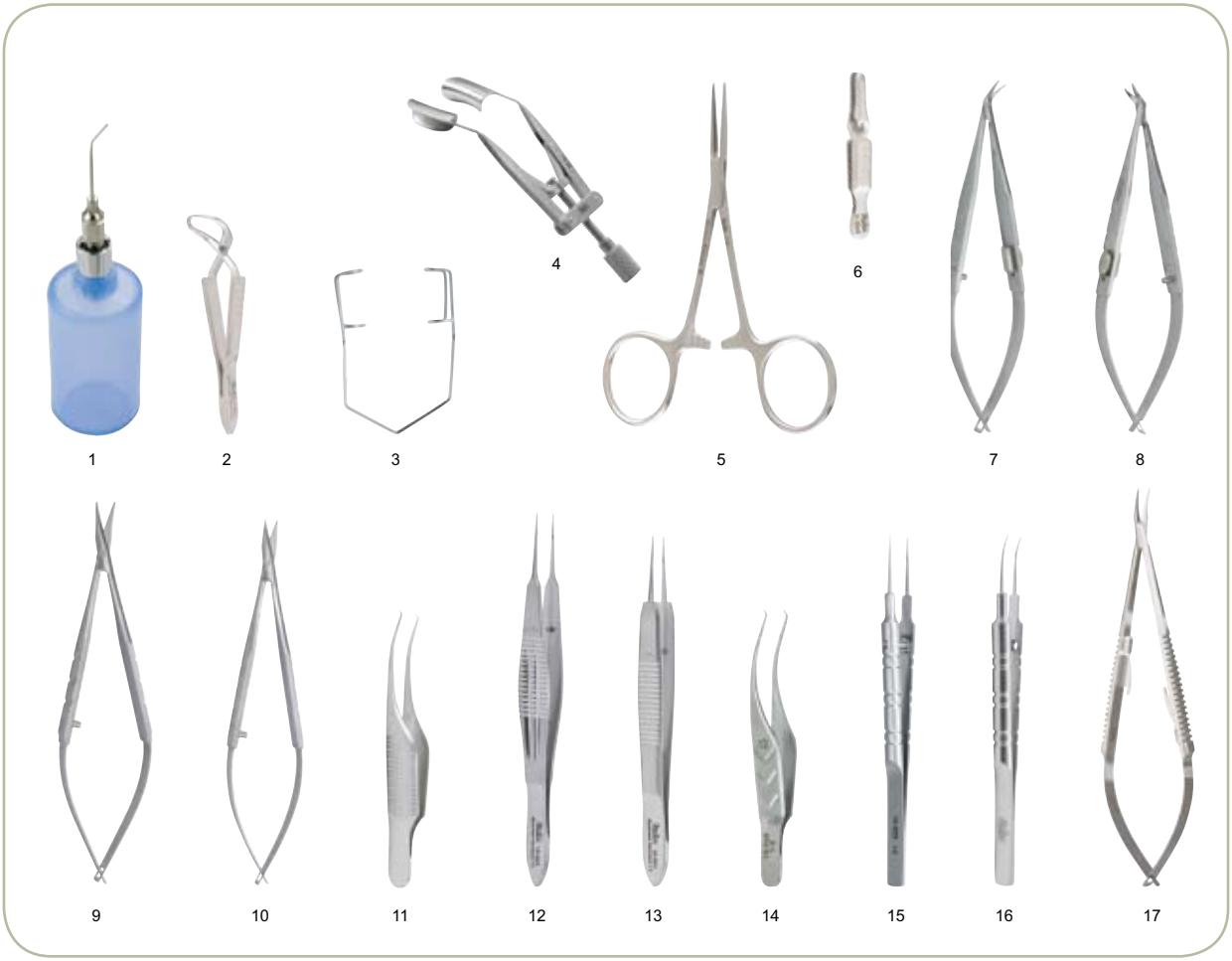
CORNEAL TRANSPLANT SURGERY SET



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

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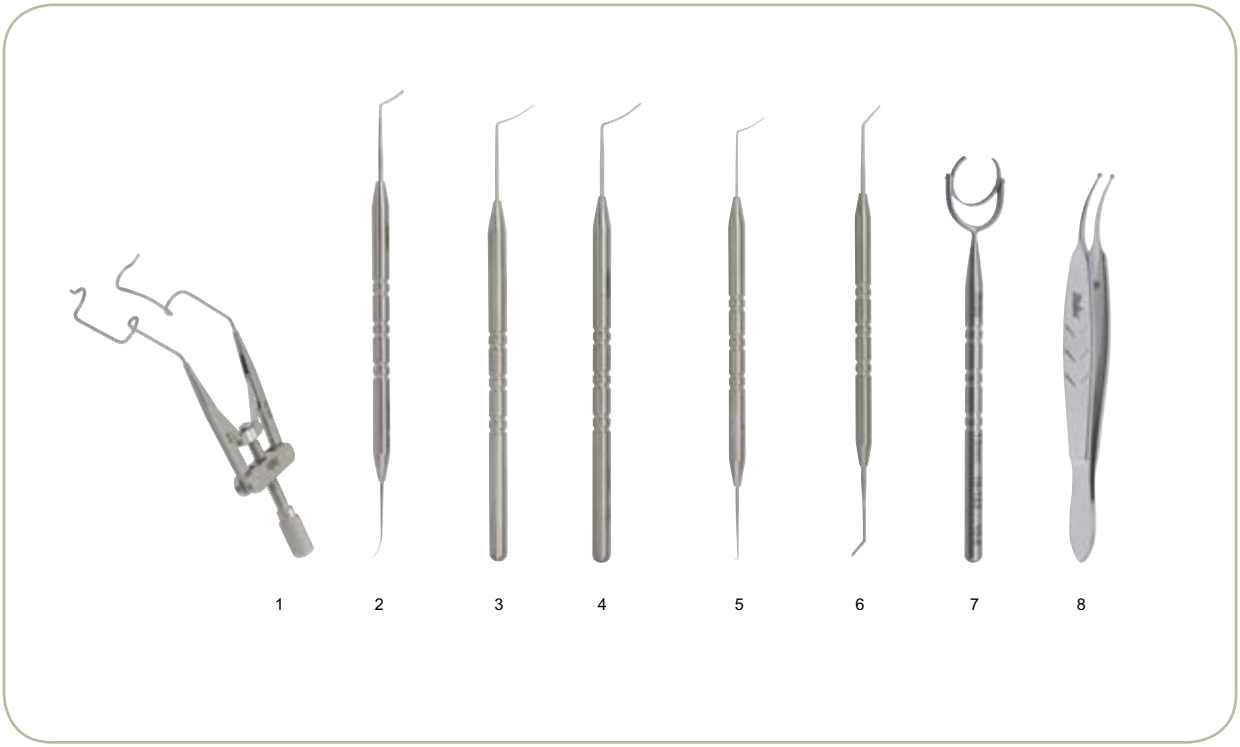
LASIK SURGERY SET



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

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LID SURGERY SET



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

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

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CHALAZION SURGERY SET



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

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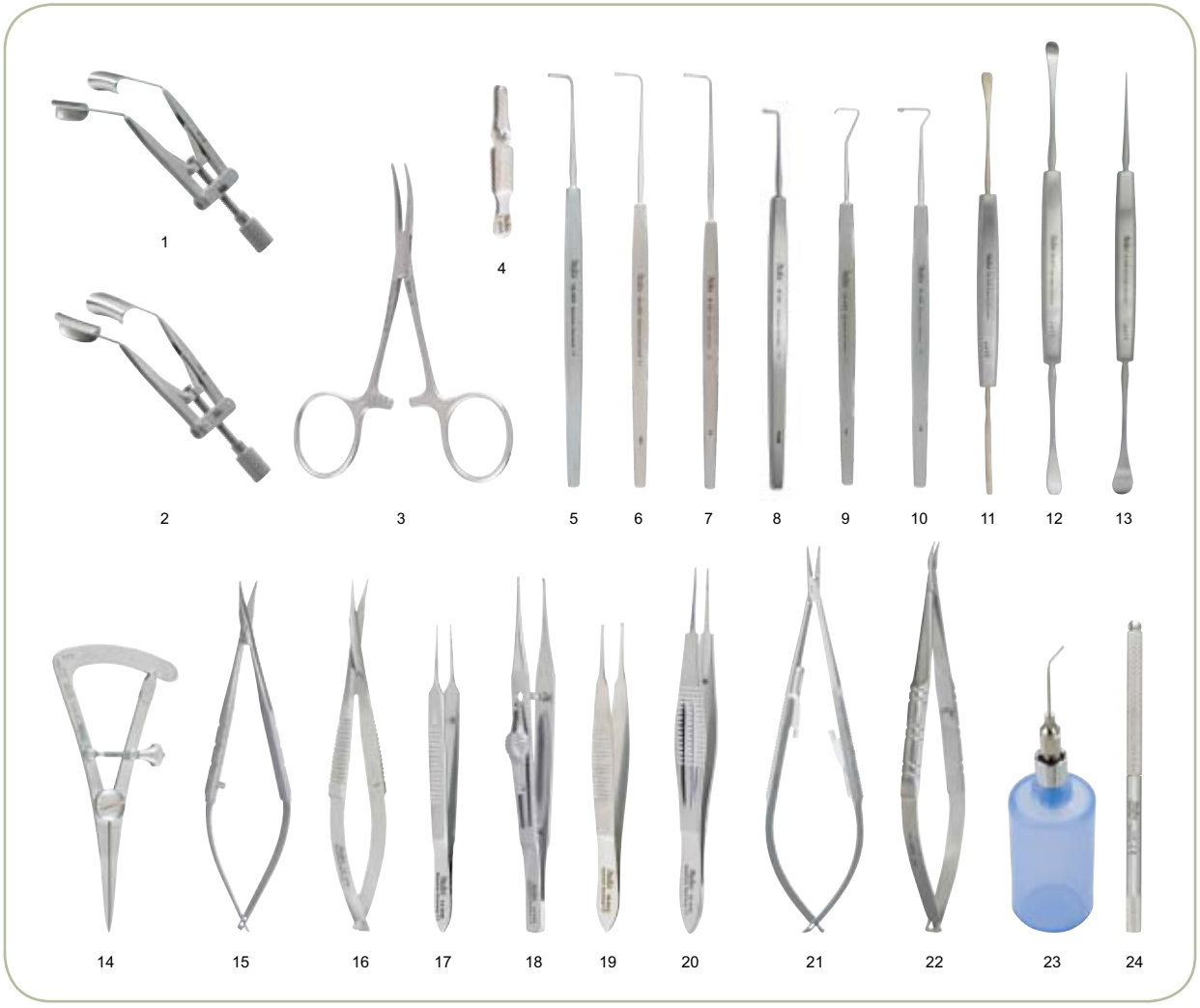
STRABISMUS SURGERY SET



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

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

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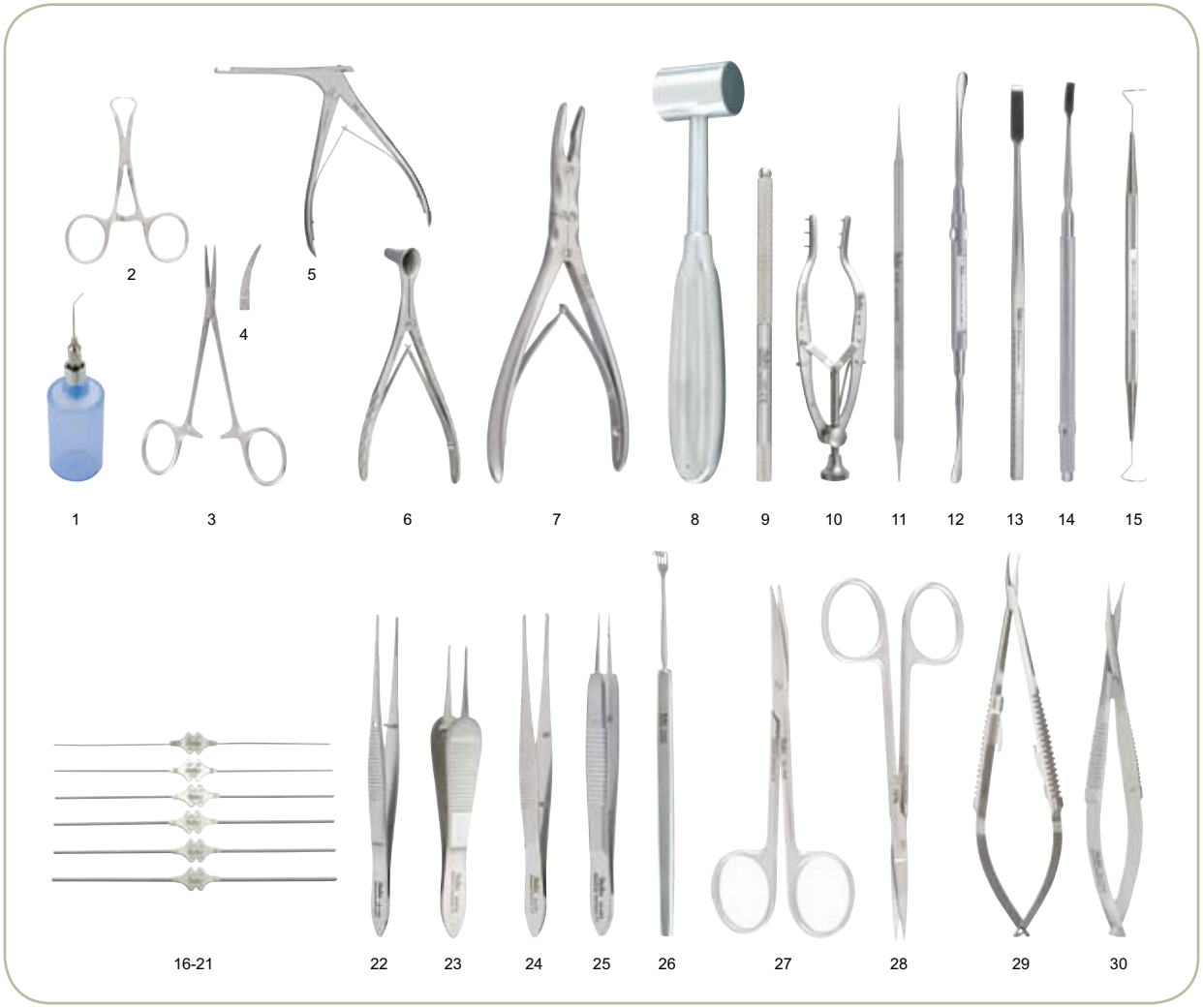
LACRIMAL SURGERY SET



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

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

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VITREORETINAL SURGERY SET



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

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

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ENUCLEATION SURGERY SET



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

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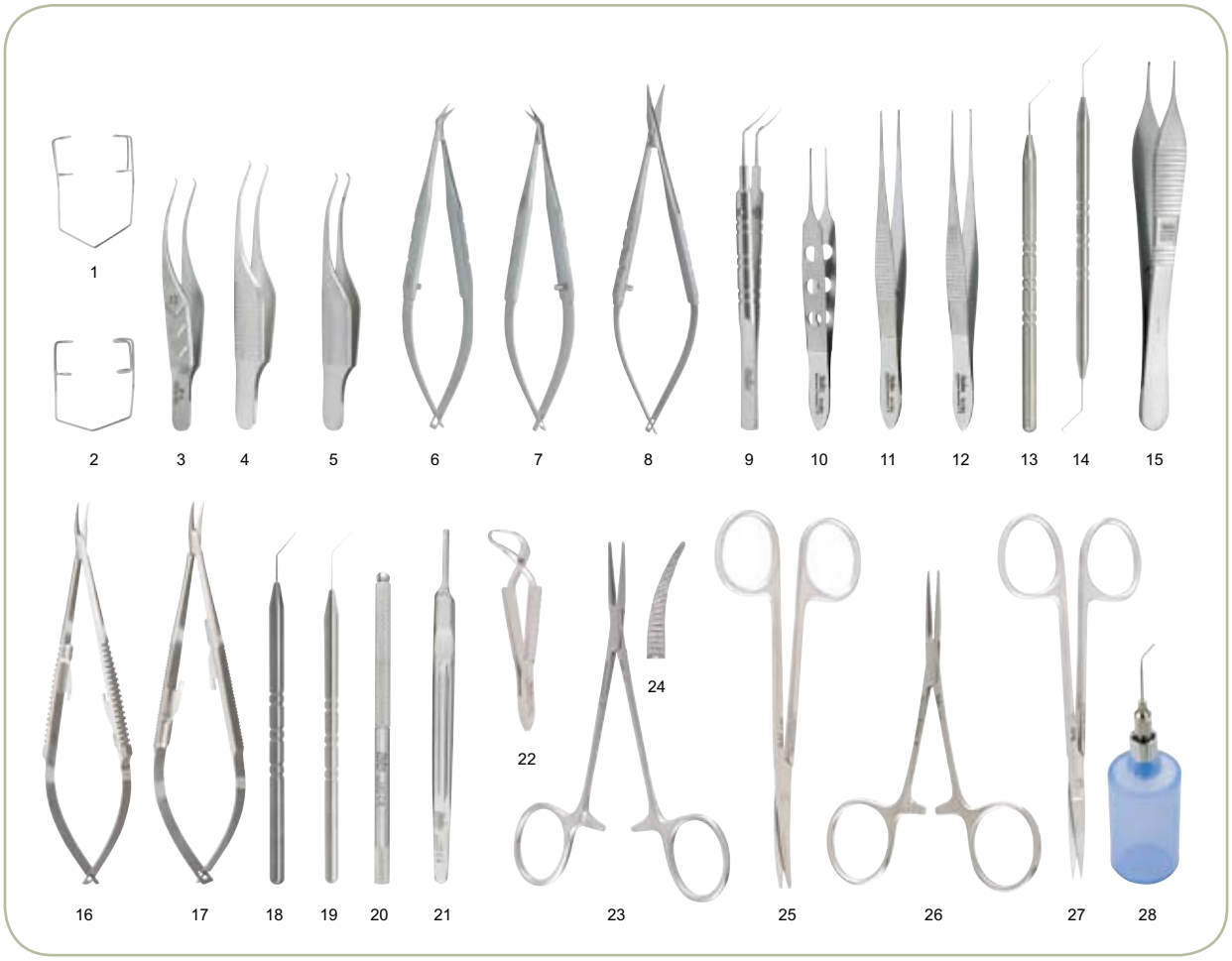
VETERINARY OPHTHALMIC SURGERY SET



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

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

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CANNULAE & DEPRESSOR



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

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



MS-18-2164



MS-18-2162
(not to scale)

AIR INJECTION Cannula
30 gauge angled at 6 mm
27 gauge angled at 6 mm



MS-18-2152



MS-18-2154

VISCOELASTIC Aspirating Cannula, Luer Lock
22 gauge angled at 10 mm
19 gauge angled at 10 mm



MS-18-2155
MS-18-2153 (not shown)

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



MS-18-2127

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



MS-18-2181

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REFERENCE

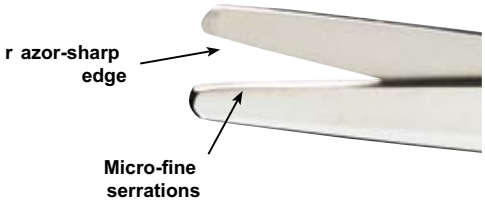
WARRANTY & REPAIR

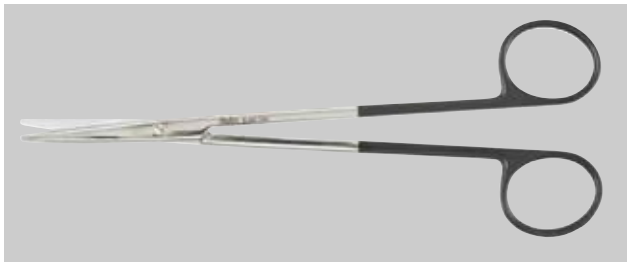


Mandiri® SUPERCUT SCISSORS

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, Mandiri® 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 Zomeda provides.



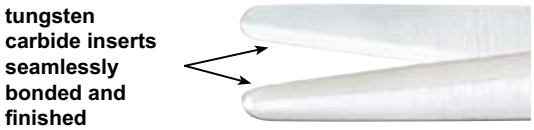


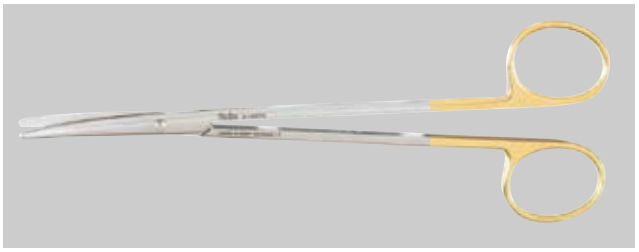
Mandiri® CARB-N-SERT® SCISSORS

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.

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



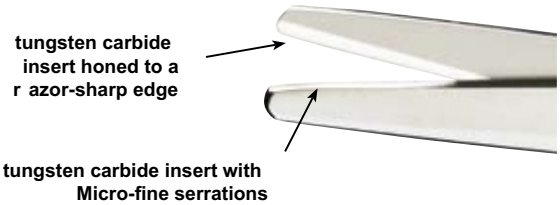


SUPERCUT/CARB-N-SERT® SCISSORS

The combination SuperCut/Carb-N-Sert® Scissors by Mandiri 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.*





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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.

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Recommended Steps in Cleaning, Sterilization & Maintenance of Mandiri® 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. Mandiri® 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, Mandiri® 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 Mandiri® EZ-Zyme® (3-750 and 3-755) or a solution of water and neutral pH (7) detergent such as Mandiri® 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. Mandiri® 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 Mandiri® 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 Mandiri® 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. Mandiri® 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 needleholders 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 cleaned 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.

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Recommended Steps in Cleaning, Sterilization & Maintenance o Mandiri ® Surgical Instruments

- Cutting edgeinstrumentsandknivesshouldbesharp and free of damage.

- After scrubbing,rinseinstrumentsthoroughlyunder 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 Mandiri ® 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.Mandiri® 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 Mandiri ® representative.

6. che Mical/cOID 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.i f 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 absolutet erm (nol ivingorganisms urvives);and

- Disinfected - basicallyc lean. Some organismsmay 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 Mandiri 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

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