



# Acheron Instruments

(Edition # 2)

Eye/ OPTHALMIC INSTRUMENTS  
CATALOGUE

World-Class High Quality

**OPHTHALMIC  
INSTRUMENTS**





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# ACHERON® SURGICAL INSTRUMENTS

Quality That Builds Confidence



Acheron's Instruments have been provided to surgeons across the world to help improve the standard of patient care. The Acheron Brand is especially known globally in the CVT and ENT specialties with numerous proprietary instruments co-developed with leading surgeons in these fields.

Over the years, the Acheron Instruments Brand has maintained high standards of quality and continues to emphasize customer service and satisfaction. As surgical procedural needs change, specialty surgeons can count on Acheron Branded instruments to meet their new requirements.

Today, the Acheron Instruments continues its legacy in providing high quality, hand-crafted instrumentation that meets the surgeon's requirements.



🏭 Production Unit: Industrial Estate Shahab Pura, Ugoki Road, Near Saga Chowk Sialkot, Pakistan.

🏢 Head Office: Building # 349 Block A, Jubilee Town Canal Road Lahore, Pakistan. ☎ +92 333 430 1417, +92 307 430 9880

🌐 URL: [www.acheron-instruments.com](http://www.acheron-instruments.com) ✉ [info@acheron-instruments.com](mailto:info@acheron-instruments.com), [instruments.acheron@gmail.com](mailto:instruments.acheron@gmail.com)

# ACHERON INSTRUMENTS®

Helps you make the right choices.



ACHERON INSTRUMENTS Branded surgical instruments are made from 100% German/ Japanese/ French Stainless Steel ASTM 410 and 420 Grade to ensure the highest quality and impeccable functionality. These instruments are fully guaranteed for the quality of material and workmanship and have been subjected to an established quality control process that consists of a comprehensive product inspection that verifies the form, fit and function of all the instruments.

Acheron Forceps and Scissors are made of the finest stainless steel, processed to obtain optimum corrosion resistance, resilience and strength.

Ratchets on Acheron Vascular Clamps provide indispensable finite control for arterial clamping. Ratchets are designed with the steps (1 x 7, 1 x 9, 1 x 11) to furnish the specific amounts of required compression.

Acheron DeBakey Jaws are designed to clamp and hold without slipping. Cardiovascular clamps featuring these jaws will grip tissue delicately but firmly, or will completely occlude a vessel, reducing the danger of crushing or causing undue damage to the intima.

We are able to provide **laser surface or ebonized finishes** for most stainless steel instruments to provide the appropriate reflection-lowering finish for their use in laser surgery.

**We continually strive to improve our products; therefore, changes may result. All specifications and measurements in this Catalog may vary within accepted industry standards or change without notice. Acheron will not be responsible for any printing errors contained herein.**

**Measurements given in our Catalog refer to overall length, unless specified otherwise.**

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# ACHERON® SURGICAL INSTRUMENTS

## Guarantee/Warranty



This warranty information may be modified from time to time by ACHERON. Please check the ACHERON Instruments online catalog website for the most current warranty information: [www.acheron-instruments.com](http://www.acheron-instruments.com)

Except as provided below, all surgical instruments stamped or etched with the Acheron Brand shall be free from manufacturing defects in material or workmanship for the life of the instrument. Acheron's sole responsibility under all warranty shall be, at Acheron's option, This guarantee is void if instruments are not maintained or repaired properly, or if they are not used for their intended surgical purpose.

### NEEDLE HOLDERS

Acheron Needle Holders containing Tungsten Carbide (TC) inserts are warranted against cracking or fragmenting in the jaw for three (3) years.

### TUNGSTEN CARBIDE INSERTS

Acheron Scissors, Needle Holders and Wire Cutters that obtain Tungsten Carbide (TC) inserts are guaranteed for three (3) years. Replacement parts, such as springs, are guaranteed for one (1)

### NON-DISPOSABLE LAPAROSCOPIC INSTRUMENTS

Acheron Non-Disposable Laparoscopic Instruments are warranted against failure in normal use for one (1) year. This warranty does not cover routine sharpening or refurbishment, or repair of damage caused by misuse.

The above warranties are contingent upon the proper maintenance and use of the instruments and do not cover instruments that have been modified without Acheron's approval or which have been subjected to unusual stress, or on which the original identification marks have been removed or altered.

### TELESCOPES AND LIGHT CARRIERS

All light carriers and Rod Lens Telescopes etched with the Acheron Name shall be free from manufacturing defects in material or workmanship. Any parts proving defective in the first 12 months of ownership will be serviced, repaired or replaced at Acheron's option, free of charge.

This limited warranty is the only warranty provided by Acheron. Acheron disclaims all other warranties, either express or implied, including but not limited to implied warranties of merchantability and fitness for particular purpose. In no event shall Acheron have any liability for indirect, consequential, special, incidental or punitive damages, however caused, on any theory of liability and whether or not it has been advised of the possibility of such damages.

# CUSTOMER SERVICE & ORDERING INFORMATION



Our highly trained customer service team is available to assist you with all your customer service needs including:

- New account establishment or account changes
- Order placement
- Order inquiries
- Delivery information
- Pricing inquiries
- Product information
- Product returns

## **Head Office/ Mailing Address:**

Building # 349 Block A, Jubilee Town  
Canal Road Lahore , Pak-istan.

## **Corporate Office:**

Building # 381 Block E, 1st Floor Johar  
Town Lahore , Pakistan.

## **Production Unit # 1:**

Building # 4, 1st Floor, Street # 2  
Wakil Town, Muradpur Street-  
Korpur, Marala Road Sialkot,  
Pakistan

## **Production Unit # 2:**

Shahab Pura, Ugoki Road near  
Saga Chowk Sialkot-Pakistan

## **Phone:**

Call: +923334301417

Whatsapp: +923004301497

To make an inquiry or to place an order in  
the **Pakistan**, please contact Customer  
Service at +923074309880 or  
[info@Acheron-instruments.com](mailto:info@Acheron-instruments.com)



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Head Office: Building # 349 Block A, Jubilee Town Canal Road Lahore, Pakistan. © +92 333 430 1417, +92 307 430 9880

URL: [www.acheron-instruments.com](http://www.acheron-instruments.com) info@acheron-instruments.com, instruments.acheron@gmail.com



# CARE AND CLEANING



High quality surgical instruments are typically made from surgical grade stainless steel (i.e., 410, 420, etc.). The grade varies by manufacturer and by type of instrument. For example, a scissor may be fabricated of 420 stainless steel to enable the blades to be hardened adequately for long life. A forceps on the other hand usually does not require the same hardness, and may be fabricated from a 410 grade.

Malleable retractors are made of yet another grade. The grade of stainless steel selected for specific instruments is critical for long serviceability. The grade of steel reflects its hardness and its resistance to corrosion. Unfortunately, there is an inverse relationship; that is, the more the steel can be hardened, the greater its susceptibility to corrosion.

In an effort to reduce corrosion problems, Acheron specially treats (passivates) its instruments to make the surface less chemically active with its environment. All Instruments feature this special high gloss finish. This finish reduces the number of pits in the instrument, which in turn reduces the number of sites where corrosion can occur. These steps are necessary due to the environment, which is very harsh as a consequence of the composition of blood and other fluids, the chemicals used to clean and disinfect the instruments, and finally the methods used to sterilize them.

## USE

Use instruments for their intended purpose only.

## CLEANING

Instruments should be thoroughly cleaned with cleaners such as: Liquid Detergent, Instrument Cleaner as soon as possible after use. Once blood or other foreign matter has dried, removal is very difficult.

If left in place these contaminants can provide sites for corrosion to begin. Distilled water (pH near 7) is recommended for soaking and cleaning instruments. If cleaning manually, avoid use of wire brushes or abrasive powders as these can create sites for corrosion. An ultrasonic cleaner is recommended.

## CARE

After a thorough cleaning, instruments with moving parts should be lubricated to keep surfaces lubricated. It is important to use water soluble lubricating agents only.

## STERILIZATION

The use of repeated flash cycles is damaging to instruments; therefore, a standard steam cycle is preferred. Instruments should be arranged in an open position and instruments fabricated from different metals should be separated to avoid electrochemical reactions. Refer to the sterilizer manufacturer's instructions and guidelines for proper sterilization techniques

*To locate Instructions For Use (IFU) and Cleaning and Sterilization Instructions for acheron® Instruments, go to: [www.acheron-instruments.com](http://www.acheron-instruments.com)*



# POLICIES AND PROCEDURES



## TERMS AND CONDITIONS

Standard terms are; F.O.B. shipping point, unless otherwise approved in writing by Acheron.

All orders are subject to approval and acceptance by Acheron.

Acheron reserves the right to alter or suspend credit, refuse shipment or cancel unfilled orders, when credit conditions or delivery delays from the customer warrant such action.

## PARTIAL SHIPMENTS AND SPECIAL ORDERS

Due to demand for certain products, Acheron cannot guarantee that every product will be available for immediate shipment. If a back order situation occurs, partial shipment will be made where possible. Your invoice will indicate any product on back order.

If partial shipments are not acceptable or practical, we will make every effort to ship the complete order at the earliest possible time.

Certain products are built to order and are subject to availability of raw materials. These products may require longer lead times.

## RETURN GOODS POLICY

All returns must be accompanied by a "Return Goods Authorization Number" which is available by calling our Customer Service Department. Acheron's invoice number, order number and date of receipt of goods must be supplied to customer service in order to obtain a return goods number.

All returns must be made within sixty (60) days of invoice date. The products must be unused and in the original packaging.

Returned goods must be shipped prepaid to Acheron Head Office mailing address

The goods should also be accompanied by a copy of the invoice or packing list and a return goods authorization number. The following items are non-returnable, other than for a manufacturing defect:

- Sterilized products
- Discontinued products
- Engraved instruments or instruments etched by hospital
- Instruments returned after sixty (60) days of invoice date
- Custom or modified items
- Silicone goods
- Disposable products



# Acheron Instruments

(Manufacturers & Exporters of Surgical, Dental, Ophthalmic, Laparoscopy, Veterinary & Beauty Instruments)

YOUR  
HEALTH  
IS OUR  
MAIN  
CONCERN



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# INSTRUMENTATION SERVICES

In addition to providing our customers with a comprehensive product line of surgical instruments, Acheron also offers the following services:

- Custom Instruments Service
- Complimentary Instrument Etching
- Special Instrument Finishes

*For more information on these services, please contact your Acheron® Sales Specialist or customer service at +923074309880*







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# SCALES AND GAUGES



## CONVERSION SCALE

TO CONVERT FROM	TO	MULTIPLY BY
Ounces (AVDP.)	Grams	28.349523
Ounces (APOTH.)	Grams	31.103486
Grains	Grams	0.06479891
Pounds (AVDP.)	Kilograms	0.45359237
Inches	Centimeters	2.54
Feet	Meters	0.3048
Yards	Meters	0.9144
Ounces (U.S. Fluid)	Cubic Centimeters	29.573730
Ounces (British Fluid)	Cubic Centimeters	28.41305
Quarts (U.S. Fluid)	Liters	0.9463264
Cubic Inches	Cubic Centimeters	16.387064
Grams	Grains	15.432358
Grams	Ounces (AVDP.)	0.35273962
Grams	Ounces (APOTH.)	0.32150737
Kilograms	Pounds (AVDP.)	2.2046226
Millimeters	Inches	0.039370079
Centimeters	Inches	0.39370079
Meters	Feet	3.2808399
Cubic Centimeters	Cubic Inches	0.61023744
Cubic Centimeters (Fluid)	Ounces (U.S. Fluid)	0.33814023
Liters	Quarts (U.S. Fluid)	1.056718

## FAHRENHEIT AND CENTIGRADE SCALES

F°	C°
500	260
401	205
392	200
383	195
374	190
356	180
347	175
338	170
329	165
320	160
311	155
302	150
284	140
275	135
266	130
248	120
239	115
230	110
212	100
203	95
194	90
176	80
167	75
140	60
122	50
113	45
105	40.56
104	40
100	37.8
98.5	36.9
95	35
86	30
77	25
68	20
50	10
41	5
32	0
23	-5
14	-10
+5	-15
-4	-20
-13	-25
-22	-30
-40	-40
-76	-60



# SCALES AND GAUGES



## COMPARATIVE SCALES OR GAUGES

DIAMETERS IN MILLIMETERS	AMERICAN	FRENCH	ENGLISH
1/3		1	
1/2	1		
2/3		2	
1	2	3	
1-1/3		4	
1-1/2	3		
1-2/3		5	
2	4	6	
2-1/3		7	1
2-1/2	5		
2-2/3		8	2
3	6	9	3
3-1/3		10	
3-1/2	7		
3-2/3		11	4
4	8	12	5
4-1/3		13	
4-1/2	9		
4-2/3		14	
5	10	15	6
5-1/3		16	7
5-1/2	11		
5-2/3		17	8
6	12	18	9
6-1/3		19	10
6-1/2	13		
6-2/3		20	11

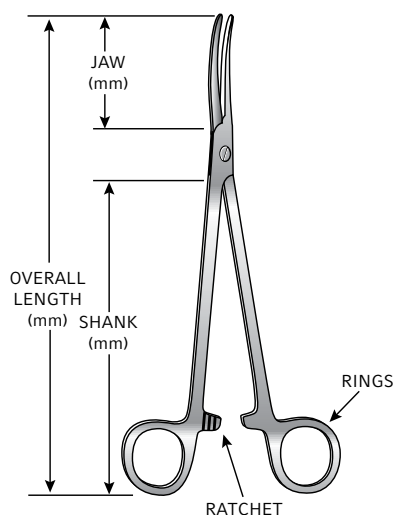
DIAMETERS IN MILLIMETERS	AMERICAN	FRENCH	ENGLISH
7	14	21	
7-1/3		22	12
7-1/2	15		
7-2/3		23	13
8	16	24	
8-1/3		25	14
8-1/2	17		
8-2/3		26	15
9	18	27	16
9-1/3		28	17
9-1/2	19		
9-2/3		29	
10	20	30	18
10-1/3		31	19
10-1/2	21		
10-2/3		32	20
11	22	33	21
11-1/3		34	22
11-1/2	23		
11-2/3		35	23
12	24	36	24
12-1/3		37	25
12-1/2	25		
12-2/3		38	26
13	26	39	27
13-1/3		40	28





# MEASURING GUIDELINES AND COMMON JAW PATTERNS OF SURGICAL INSTRUMENTS

High quality, handcrafted instrument measurements will vary slightly. Instruments in this catalog are stainless steel unless otherwise noted.



## COMMON JAW SURFACES FOUND ON HEMOSTATS AND CLAMPS

### SERRATIONS

HORIZONTAL

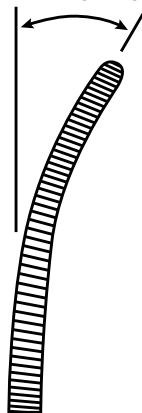
LONGITUDINAL

CROSS



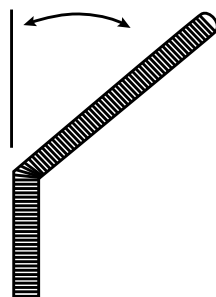
## JAW CURVATURE

DEGREES



## JAW ANGLE

DEGREES



## JAW CROSS SECTIONS

RELATIVE SIZE

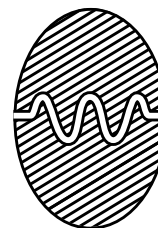
ENLARGEMENT



DEBAKEY-TYPE 1 x 2



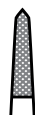
DEBAKEY-TYPE 2 x 3



## COMMON SURFACES FOUND ON NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS



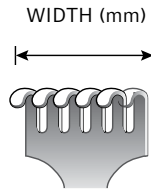
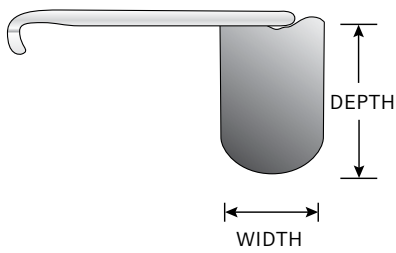
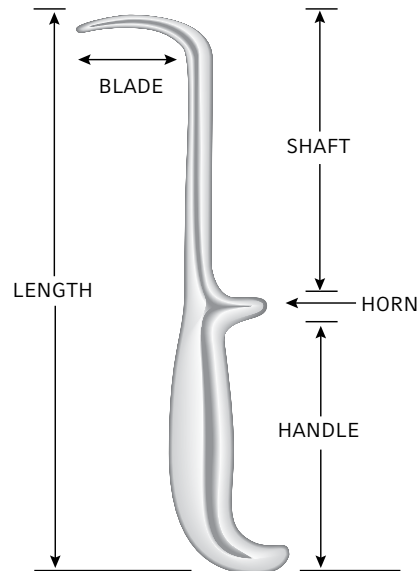
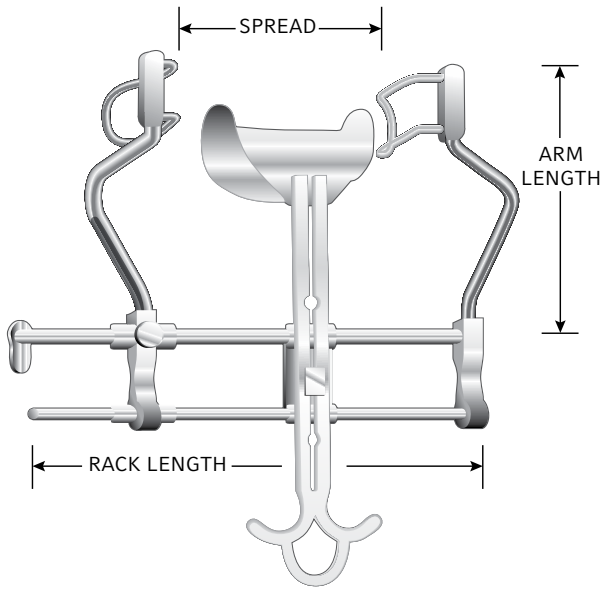
SMOOTH

2500  
TEETH/SQ. IN.4000  
TEETH/SQ. IN.7000  
TEETH/SQ. IN.

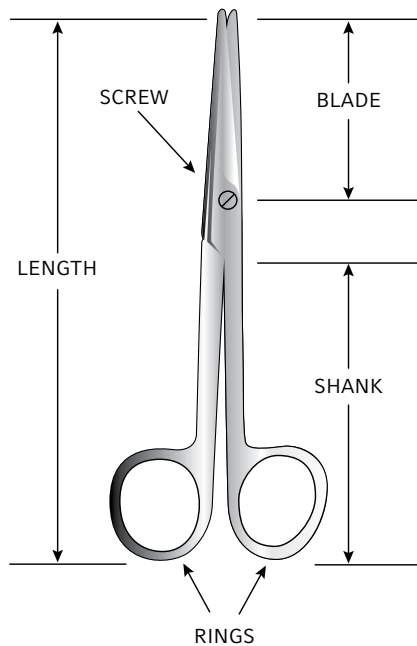
COOLY



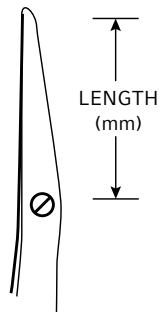
**FROM INNER SURFACE OF SIDE BLADES**



**RING HANDLE**



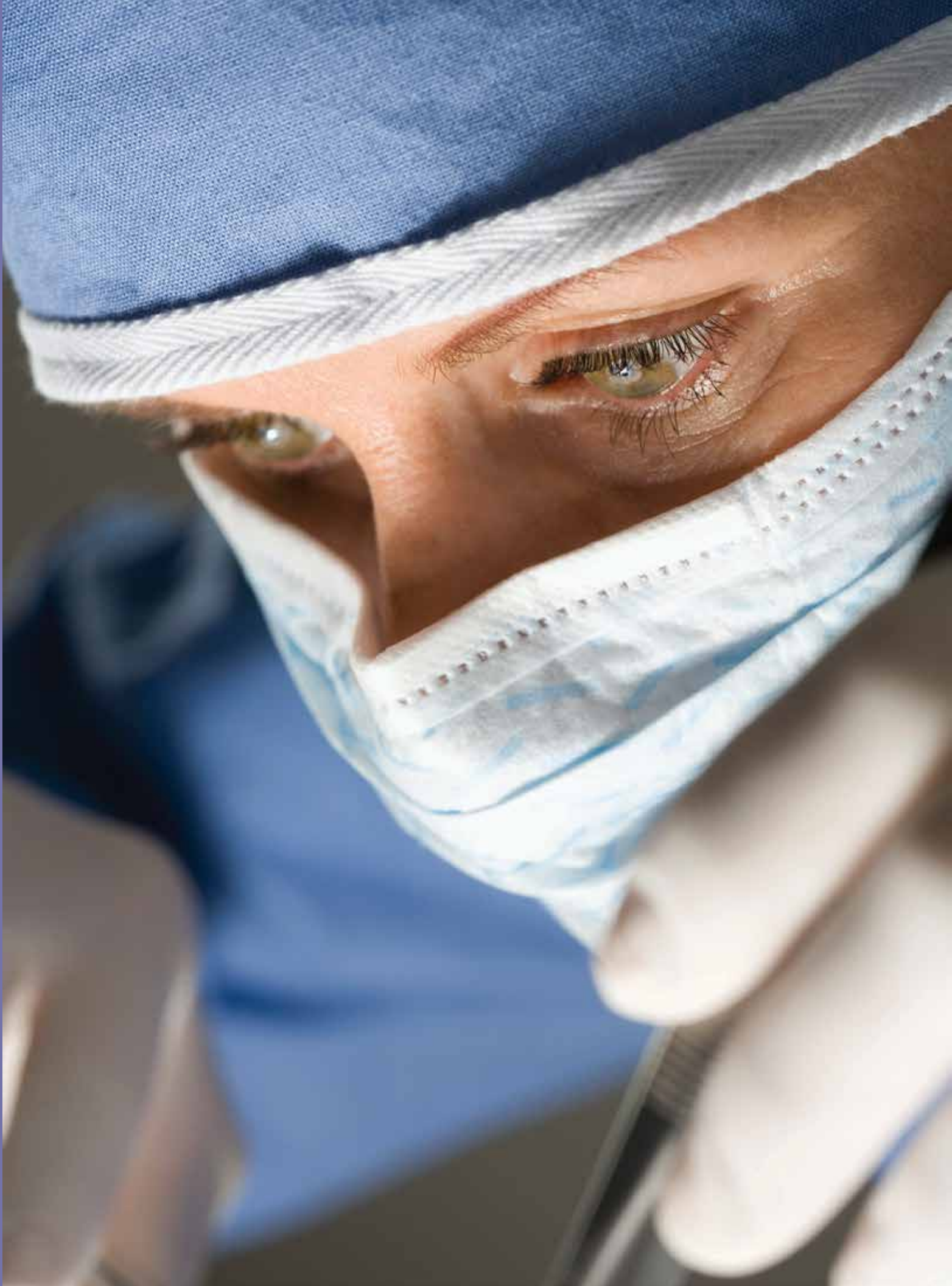
**BLADE LENGTH**



**BLADE CURVATURE**

DEGREES







# OPHTHALMIC INSTRUMENTS

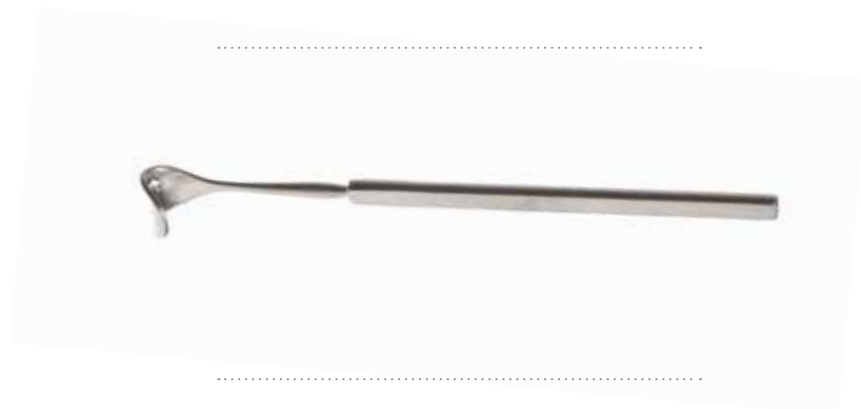


## CHAPTER OVERVIEW

Ophthalmic Instruments represent a high quality line that offers the precision you require, the quality you demand and the pattern assortments that meet your needs. Our categories of Ophthalmic instruments include:

- Dressing, Tissue, Jeweler's and Cilia Forceps
- Spring Handle and Ring Handle Scissors
- Barraquer and Castroviejo Needle Holders
- Hooks, Curettes, Probes and Dilators
- Additional patterns are available

Contact your local representative for more information.



# FORCEPS

## Dressing Forceps



### BISHOP-HARMON DRESSING FORCEPS



427392



KM53428

3-3/8" (8.5 cm).

CATALOG #	DESCRIPTION
425350	Extra delicate, serrated, 0.4 mm tip
KM53426	Extra delicate, serrated, 0.7 mm tip
427392	Delicate, cross-serrated, 0.9 mm tip
KM53428	Delicate, serrated, 1 mm tip

### DRESSING FORCEPS



427400



427410

Delicate, serrated, 3-7/8" (10 cm).

CATALOG #	DESCRIPTION
427400	Straight tip
427410	Lightly curved tip



# FORCEPS

## Dressing Forceps



### GRAEFE EYE DRESSING FORCEPS

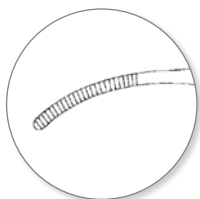


KM53420

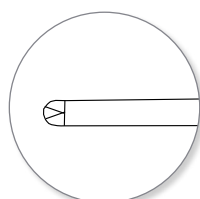
CATALOG #	DESCRIPTION
KM53404	Straight, serrated, 0.9 mm tip, 2-7/8" (7 cm)
KM53408	Curved, serrated, 1.2 mm tip, 2-1/2" (6.5 cm)
KM53420	Straight, 1 x 2 teeth, 0.9 mm tip, 2-7/8" (7 cm)
KM53422	Curved, 1 x 2 teeth, 1 mm tip, 2-1/2" (6.5 cm)



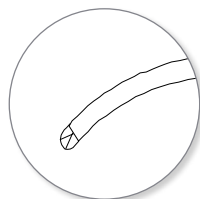
KM53404



KM53408



KM53420



KM53422



# FORCEPS

## Tissue Forceps



### BISHOP-HARMON TISSUE FORCEPS



427390

1 x 2 teeth, 3-3/8" (8.5 cm).

CATALOG #	DESCRIPTION
425360	0.4 mm tip
427390	0.7 mm tip
KM53440	1.0 mm tip

### BONN IRIS TISSUE FORCEPS



425390

CATALOG #	DESCRIPTION
425380	Long model, 0.12 mm tip, 2-3/4" (7 cm)
425390	Tying platform, 1 x 2 teeth, 3-3/4" (10 cm)

### CASTROVIEJO-COLIBRI TISSUE FORCEPS



425312

CATALOG #	DESCRIPTION
425312	Curved tip, 1 x 2 teeth, 0.12 mm tip, 4-3/8" (11 cm)

### COLIBRI CORNEAL TISSUE FORCEPS



425590

CATALOG #	DESCRIPTION
425590	1 x 2 teeth, 0.12 mm tip, 3" (8 cm)



# FORCEPS

## Tissue Forceps

### MCPHERSON TISSUE FORCEPS



425560

CATALOG #	DESCRIPTION
425560	1 x 2 teeth, 3-1/2" (9 cm)

### TISSUE FORCEPS



427420

CATALOG #	DESCRIPTION
427420	Straight, delicate, 1 x 2 teeth, 3-7/8" (10 cm)

### TROUTMAN-BARRAQUER TISSUE FORCEPS



KM53460

CATALOG #	DESCRIPTION
KM53460	Tying platform, 1 x 2 teeth, 0.3 mm tip, 2-7/8" (7.5 cm)

# FORCEPS

## Tying Forceps



### CASTROVIEJO SUTURE FORCEPS



427370

With tying platform, 1 x 2 teeth, straight, 3-7/8" (10 cm).

CATALOG #	DESCRIPTION
427384	0.12 mm
427370	0.3 mm tip
427382	0.5 mm tip

### KELMAN-MCPHERSON FORCEPS



425605

With tying platform, angled.

CATALOG #	DESCRIPTION
425605	3-1/4" (8.5 cm)

### MCPHERSON TYING FORCEPS



425200

With tying platform, smooth, 3-1/4" (8.5 cm).

CATALOG #	DESCRIPTION
425200	Straight
425210	Angled



425210

### MICRO-TYING FORCEPS



KM44012

With tying platform.

CATALOG #	DESCRIPTION
KM44012	Straight, 0.3 mm tip, 4-3/8" (11 cm)



# FORCEPS

## Tying Forceps

### PLATFORM TYING FORCEPS



KM44014

With tying platform.

CATALOG #	DESCRIPTION
KM44014	0.7 mm tip, 5-1/2" (14 cm)

### TENNANT TYING FORCEPS



425190



425191

With tying platform, smooth, round handle, 4" (10 cm).

CATALOG #	DESCRIPTION
425190	Straight
425191	Curved

### TEW TYING FORCEPS



394430

With tying platform, straight jaw with longitudinal serrations, 7-1/8" (18 cm).

CATALOG #	DESCRIPTION
394430	0.5 mm tip
394431	1 mm tip

# FORCEPS

## Jeweler's Forceps



### JEWELER'S FORCEPS



425700



425710



425720



425730



425740



425750

CATALOG #	DESCRIPTION
425700	#1, 4-3/4" (12 cm)
425710	#3, 4-3/4" (12 cm)
425720	#3-C, 4-3/8" (11 cm)
425730	#4, 4-1/4" (10.8 cm)
425740	#5, 4-1/4" (10.8 cm)
425750	#7, 4-5/8" (11.5 cm)





# FORCEPS

## Cilia Forceps

### BARRAQUER CILIA AND SUTURE FORCEPS



CATALOG #	DESCRIPTION
KM53580	Smooth platform, 4-1/2" (11.5 cm)



KM53580

### BERGH CILIA FORCEPS



CATALOG #	DESCRIPTION
KM53568	Finely serrated, 3-1/2" (9 cm)



KM53568

### DOUGLAS CILIA FORCEPS



CATALOG #	DESCRIPTION
KM53560	Finely serrated, 3-1/2" (9 cm)



KM53560

# FORCEPS

## Cilia Forceps



### LITTAUER CILIA FORCEPS



KM53564

CATALOG #	DESCRIPTION
KM53564	Finely serrated, 3-1/2" (9 cm)

### ZIEGLER CILIA FORCEPS



KM53574

CATALOG #	DESCRIPTION
KM53574	Smooth, 3-1/2" (9 cm)

## Chalazion Forceps

### DESMARRES CHALAZION FORCEPS



KM53688

3-1/2" (9 cm).

CATALOG #	DESCRIPTION
KM53686	20 mm wide tip
KM53688	24 mm wide tip
KM53690	30 mm wide tip



# FORCEPS

## Columella Forceps

### COTTLE COLUMELLA FORCEPS



443480

CATALOG #	DESCRIPTION
443480	1/2" (12 mm) tip, 4-3/8" (11 cm)

## Fixation Forceps

### GRAEFE FIXATION FORCEPS



KM53480

5 x 6 teeth, 4-1/4" (10.5 cm).

CATALOG #	DESCRIPTION
KM53480	Without catch
KM53484	With catch



KM53484

## Scleral Forceps

### CASTROVIEJO CORNEO-SCLERAL FORCEPS



425520

Tying platform, 1 x 2 teeth, 4-3/8" (11 cm).

CATALOG #	DESCRIPTION
425510	0.12 mm tip
425520	0.3 mm tip
425530	0.5 mm tip

# SCISSORS

Spring Handle



## CASTROVIEJO KERATOPLASTY SCISSORS



Flat handle, angled 45 degrees, 3-7/8" (10 cm).

CATALOG #	DESCRIPTION
423330	Very delicate, 1.4 mm tip
423340	Blunt tip



423330

## CASTROVIEJO KERATOPLASTY MICRO-SCISSORS



Flat handle, angled 45 degrees, 3-7/8" (10 cm).

CATALOG #	DESCRIPTION
423320	Very delicate

423320

## CASTROVIEJO SCISSORS



Spring handle for maximum control. Angled 45 degrees.

CATALOG #	DESCRIPTION
352145	9 mm blades, 4-1/8" (10.5 cm)



352145

# SCISSORS

Spring Handle



## MCCLURE IRIS SCISSORS



Angled on flat for increased control and visibility.

CATALOG #	DESCRIPTION
144295	4-3/4" (12 cm)
352144	12 mm blades, 4-1/2" (11.5 cm)



144295

## MICRO-REILL SCISSORS



Flat handle.

CATALOG #	DESCRIPTION
KM44022	Serrated, curved, 5-1/2" (14 cm)



KM44022

## MICRO-SPRING SCISSORS



Flat handle, 6" (15 cm).

CATALOG #	DESCRIPTION
KM44253	Straight, 9 mm blades
KM44251	Curved, 9 mm blades
KM44252	Straight, 14 mm blades
KM44250	Curved, 14 mm blades



KM44250

# SCISSORS

Spring Handle



## FINE STITCH SCISSORS



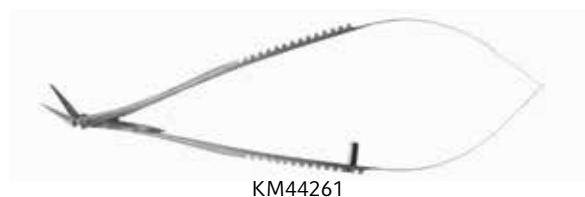
CATALOG #	DESCRIPTION
423422	4-5/8" (11.5 cm)

## VANNAS SCISSORS



Very delicate, flat handle, 3-3/8" (8.5 cm).

CATALOG #	DESCRIPTION
KM44263	Straight
KM44262	Curved
KM44261	Angled
KM44260	Angled on flat



## VANNAS CAPSULOTOMY SCISSORS



3-3/8" (8.5 cm).

CATALOG #	DESCRIPTION
423450	Straight
423460	Curved

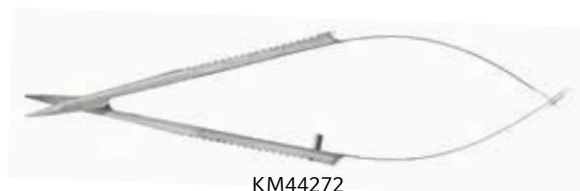


# SCISSORS

Spring Handle



## WESTCOTT MICRO-TENOTOMY SCISSORS



KM44272

Flat handle, 10 mm blade, 4" (10 cm).

CATALOG #	DESCRIPTION
KM44270	Curved, blunt
KM44271	Curved, sharp
KM44272	Straight, blunt
KM44273	Straight, sharp

## WESTCOTT STITCH SCISSORS



423410

CATALOG #	DESCRIPTION
423410	4-3/4" (12 cm)

## WESTCOTT TENOTOMY SCISSORS



KM44275

Flat handle.

CATALOG #	DESCRIPTION
KM44274	Curved, blunt, 4-3/4" (12 cm)
KM44275	Curved, sharp, 4-3/4" (12 cm)
KM44276	Straight, blunt, 4-3/4" (12 cm)
KM44277	Straight, sharp, 4-3/4" (12 cm)
423480	Curved right, 4-1/2" (11.5 cm)
423490	Curved left, 4-3/4" (12 cm)



423480

# SCISSORS

Spring Handle



## HEPP-SCHEIDEL DISSECTING SCISSORS



Round handle.



KM44024

CATALOG #	DESCRIPTION
KM44024	Curved, 5-1/2" (14 cm)

## DIGITATE-HEIFETZ SCISSORS



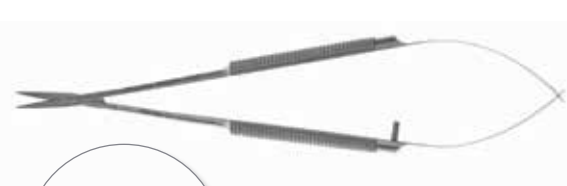
066100



066102

CATALOG #	DESCRIPTION
066100	Straight, 5-3/4" (14.5 cm)
066102	Curved, 5-3/4" (14.5 cm)
066104	Straight, 4-3/4" (12 cm)

## IRIS SCISSORS WITH BARRAQUER HANDLE



Round handle.



055502

CATALOG #	DESCRIPTION
055502	Curved, 18 mm blades, 5-3/4" (14.5 cm)

# SCISSORS

## Spring Handle



### MICRO-SPRING SCISSORS



KM44018



KM44018



KM44020

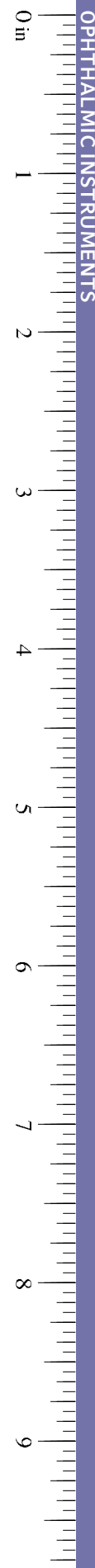


KM44255



KM44254

CATALOG #	DESCRIPTION
KM44018	Straight, 11 mm blade, 5-1/2" (14 cm)
KM44020	Curved, 11 mm blade, 5-1/2" (14 cm)
KM44257	Straight, 9 mm blade, 6" (15 cm)
KM44255	Curved, 9 mm blade, 6" (15 cm)
KM44256	Straight, 14 mm blade, 6" (15 cm)
KM44254	Curved, 14 mm blade, 6" (15 cm)



# SCISSORS

Ring Handle



## MINIATURE EYE SCISSORS



423430

3-1/2" (9 cm).

CATALOG #	DESCRIPTION
423428	Straight
423430	Curved

## EYE SCISSORS



423432

Delicate, 4" (10 cm).

CATALOG #	DESCRIPTION
423432	Straight
423434	Curved

## EYE SCISSORS



423438

Standard, large rings.

CATALOG #	DESCRIPTION
423438	Curved, 4-1/2" (11.5 cm)

# SCISSORS

Ring Handle



## GRADLE SCISSORS



Slightly curved, Sharp/Sharp.

CATALOG #	DESCRIPTION
KM53316	3-3/4" (9.5 cm)
KM53318	Ribbon type, 4" (10 cm)

## IRIS MINIATURE SCISSORS



Round handle, 15 mm blades, 3-1/2" (9 cm).

CATALOG #	DESCRIPTION
055100	Straight
055102	Curved

# SCISSORS

Ring Handle



## IRIS RIBBON SCISSORS

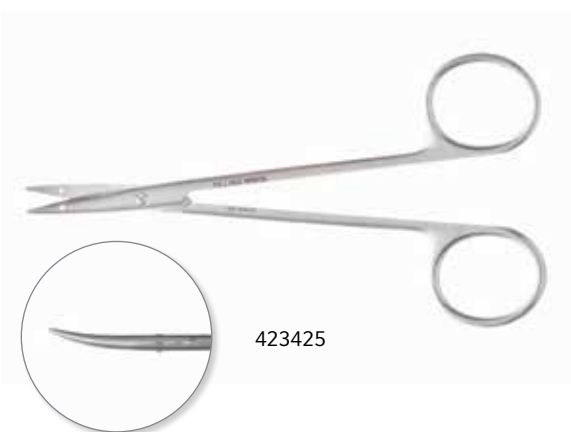


KM53267

Slightly curved, Sharp/Sharp.

CATALOG #	DESCRIPTION
KM53265	3-3/4" (9.5 cm)
KM53267	4" (10 cm)

## LITTLER DISSECTING SCISSORS



423425

Round handle.

CATALOG #	DESCRIPTION
423425	Curved, 1 mm dia. hole, 4-5/8" (12 cm)

## STITCH SCISSORS



423440

Slightly curved, needle points.

CATALOG #	DESCRIPTION
423440	Slightly curved, needle points, 3-3/4" (9.5 cm)





# NEEDLE HOLDERS

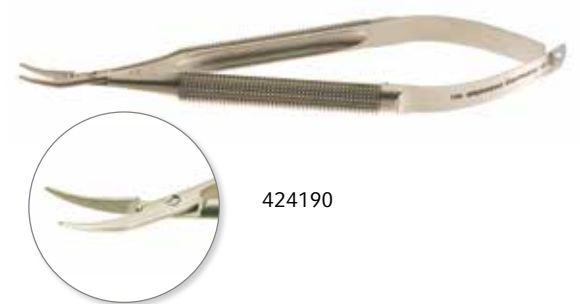
## BARRAQUER NEEDLE HOLDERS



424180

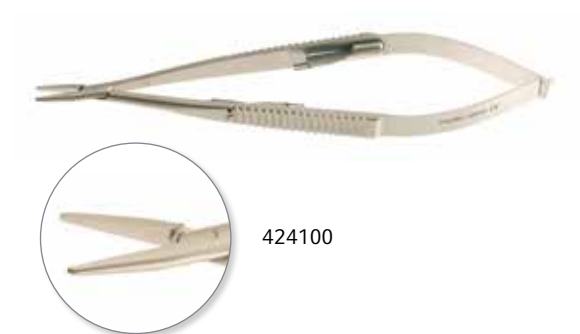
Delicate, 5-1/4" (13 cm).

CATALOG #	DESCRIPTION
424170	Straight, without lock
424180	Curved, with lock
424190	Curved, without lock



424190

## CASTROVIEJO NEEDLE HOLDERS

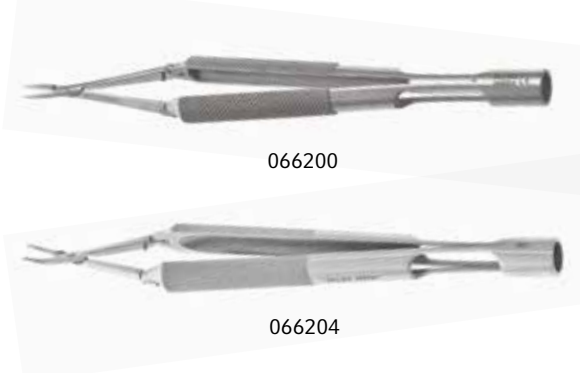


424100

Delicate.

CATALOG #	DESCRIPTION
424100	Straight, with lock, 5-3/4" (14.5 cm)
424102	Straight, without lock, 5-1/4" (13 cm)
424110	Curved, with lock, 5-1/4" (13 cm)

## DIGITATE-HEIFETZ NEEDLE HOLDERS



066200

Round handle, 5-7/8" (15 cm).

CATALOG #	DESCRIPTION
066200	Straight, without lock, 0.4 mm
066204	Curved, without lock, 0.6 mm



066204

# HOOKS

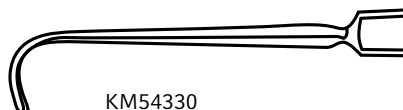
## Strabismus Hooks



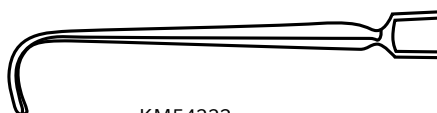
### GRAEFE STRABISMUS HOOKS



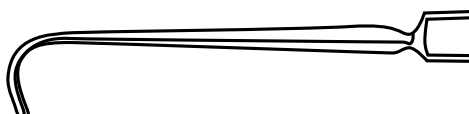
KM54332



KM54330



KM54332



KM54334

CATALOG #	DESCRIPTION
KM54330	Small, 5-1/8" (13 cm)
KM54332	Medium, 5-1/2" (14 cm)
KM54334	Large, 5-1/2" (14 cm)

KM54330

KM54332

KM54334



# HOOKS

## Muscle Hooks

### JAMESON MUSCLE HOOK



421200

CATALOG #	DESCRIPTION
421200	5-1/4" (13.5 cm)

### O'CONNOR HOOK



422250

CATALOG #	DESCRIPTION
422250	4-7/8" (12.5 cm)

### VON GRAEFE STRABISMUS HOOKS



422190

CATALOG #	DESCRIPTION
422180	Size 1, 8.5 mm hooks, 5-1/8" (13 cm)
422190	Size 2, 10.5 mm hooks, 5-3/8" (13.5 cm)
422200	Size 3, 12.5 mm hooks, 5-1/2" (14 cm)

# CURETTES



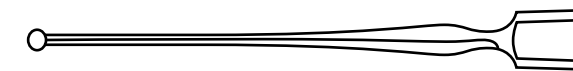
## MEYHOEFFER CURETTES



KM54309



KM54307



KM54309



KM54311



KM54313

5" (12.5 cm).

CATALOG #	DESCRIPTION
KM54307	Size 00, 1.0 mm
KM54309	Size 0, 1.5 mm
KM54311	Size 1, 1.7 mm
KM54313	Size 2, 2.0 mm



# KNIVES

## NUCLEUS KNIFE

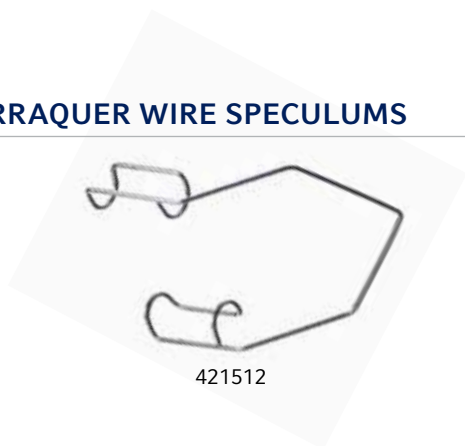


KM69524

CATALOG #	DESCRIPTION
KM69524	#71, small, 5-1/4" (13.5 cm)

# SPECULA

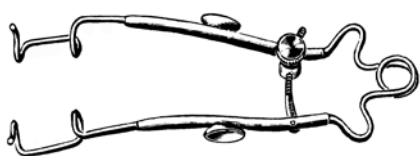
## BARRAQUER WIRE SPECULUMS



421512

CATALOG #	DESCRIPTION
421510	Blades 4 mm wide, 1-1/8" (3 cm)
421512	Blades 6 mm wide, 1-5/8" (4 cm)
KM54108	Blades 10 mm wide, 1-3/4" (4.5 cm)

## GRAEFE EYE SPECULUM



KM54080

CATALOG #	DESCRIPTION
KM54080	3-1/2" (9 cm)

# LACRIMAL PROBES/DILATORS



## BOWMAN LACRIMAL PROBES



Sterling Silver, 4-7/8" (12.5 cm).

CATALOG #	DESCRIPTION
426090	Size 0000-000
426092	Size 00-0
426094	Size 1-2
426096	Size 3-4
426098	Size 5-6
427002	Size 7-8

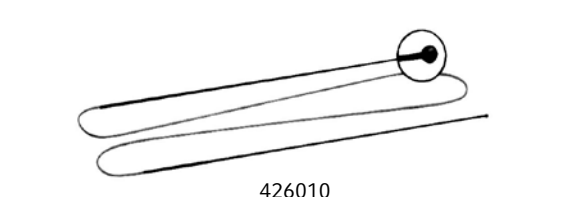
## WILLIAMS LACRIMAL PROBES



5-1/8" (13 cm).

CATALOG #	DESCRIPTION
166480	Size 1-2
166485	Size 3-4
166490	Size 5-6
166495	Size 7-8

## LACRIMAL PROBE



Disposable.

CATALOG #	DESCRIPTION
426010	4-5/8" (11.5 cm)





# LACRIMAL PROBES/DILATORS

## CASTROVIEJO LACRIMAL DILATOR



426080

CATALOG #	DESCRIPTION
426080	Double-ended, one medium taper and one needle point, 5-1/2" (14 cm)

## WILDER LACRIMAL DILATORS



426040

4-3/8" (11 cm).



426050

CATALOG #	DESCRIPTION
426040	Long taper, fine tip
426050	Medium taper, medium tip

# EYE SPUDS/NEEDLES

## DIX SPUD AND NEEDLE



KM54272

CATALOG #	DESCRIPTION
KM54272	Spud and needle (not pictured) in reversible screw handle

## FOREIGN BODY NEEDLES AND SPUDS



KM54280



KM54284

CATALOG #	DESCRIPTION
KM54280	Needle, 2 x 5 mm blade, 5" (12.5 mm)
KM54282	Davis, 0.8 mm blade, 4-3/4" (12 cm)
KM54284	Ellis, 1.2 mm blade, 4-1/2" (11.5 cm)

# IRRIGATION CANNULA



## LACRIMAL CANNULA



429526



429527

CATALOG #	DESCRIPTION
429526	23 gauge, curved, 1-7/8" (4.8 cm)
429527	23 gauge, straight, 2" (5 cm)

## AIR INJECTION CANNULA



429548

5 mm tip angled 45 degrees, 3/4" (2 cm).

CATALOG #	DESCRIPTION
429546	27 Ga.
429548	30 Ga.

## HEALON INJECTION CANNULA



429566

CATALOG #	DESCRIPTION
429566	21 Ga., 5 mm tip angled 50 degrees, 1-1/8" (2.9 cm)

## SHEPPARD INCISION IRRIGATION CANNULA



428650

Tip angled 45 degrees, 1-3/8" (3.5 cm).

CATALOG #	DESCRIPTION
428655	27 Ga.
428650	30 Ga.



# IRRIGATION CANNULA

## TROUTMAN ALPHA-CHYMOTRYPSIN CANNULA



429512

CATALOG #	DESCRIPTION
429512	25 Ga., curved tip, 1-3/4" (4.5 cm)

## BISHOP HARMON ANTERIOR CHAMBER IRRIGATION CANNULA



429520

CATALOG #	DESCRIPTION
429520	19 Ga., with squeeze bulb and adapter
429534	Silicone squeeze bulb only, 2-1/4" (5.5 cm)
429524	Cannula only, 19 Ga., angled 7 mm, flattened tip
429532	Adapter only, 1-1/8" (3 cm)

# CALIPERS



## CASTROVIEJO CALIPER



428630

CATALOG #	DESCRIPTION
428630	0-20 mm scale, 3-3/8" (8.5 cm)

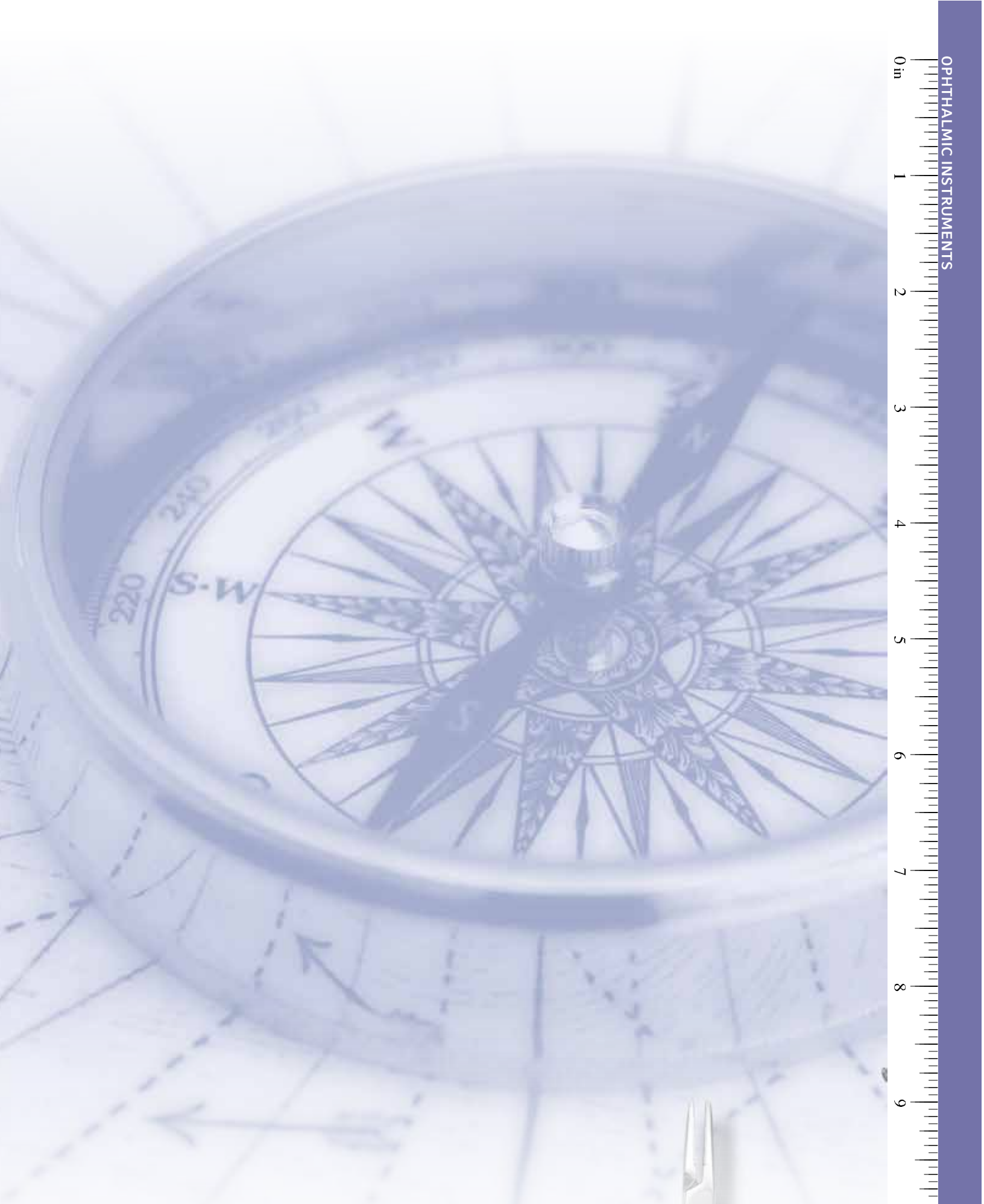
# CUTTING BLOCK

## CUTTING BLOCK



411331

CATALOG #	DESCRIPTION
411331	Made of POM (polyoxymethylene), 3" x 1-1/2" x 3/8" (7.5 x 4 x 1 cm)



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# Acheron Instruments

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BY KEEPING THE QUALITY*