F · S · T

FINE SCIENCE TOOLS

2023



FINE SURGICAL INSTRUMENTS FOR RESEARCH™

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For a complete explanation of our returns and exchange policies, please refer to the inside back cover.

SOME OF OUR NEWEST PRODUCTS

Ceramic Blades
Page 56



Replacement Blade for Cutter
Page 171



Stainless Steel Minutien Pins
Page 115



Moria Colibri Retractor
Page 130



Instrument Marking Tape
Page 155



Micro Bead Sterilizer with Glass Beads
Page 159



Biemer Clip
Page 139



Colored Aluminum Cases
Page 165

Horizon™ Metal Ligation System
Page 140



Ear Punch with Replaceable Tip
Page 150



Blue Ear Punch
Page 149





Marking Pen Fine Tip
Page 151



Marking Pen Standard Tip
Page 151



Moria Bonn Forceps
Page 79



Moria Paufique Forceps
Page 79



Moria Suture Tying Forceps
Page 82



Dumont #2E Components Forceps
Page 74



#2A Forceps
Page 76



Round Handled Needle Holder
Page 116



Student Line Clamps
Page 205



DeBakey Round Handle Forceps
Page 92



SCAN TO SEE ALL NEW PRODUCTS

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Letter from the Managing Partner

Dear customers,

As many of you are a part of the world's most essential biomedical research communities – I would like to begin by thanking you for your commitment and dedication to the advancements, breakthroughs, and discoveries in science. The world continues to face challenges, but the innovative minds and hearts of our customers and worldwide team gives us hope for a brighter tomorrow. There has never been a more significant moment to lead with our values – trust, teamwork, empathy, equality, and sustainability, as we are committed to walk alongside this road of optimism with you.

It is important to me that we take you on our journey as a valuable partner of Fine Science Tools. With that said, I am proud to inform you that we have incorporated two bee colonies into our office garden in Germany. The reason behind the idea is the fact that bees have a large impact on ecological growth and preservation which we as a company would like to put focus on. Our catalog cover showcases a symbolic representation of the countless contribution's bees have in relation to a number of areas in our daily lives. Bees have cultural and environmental importance as pollinators and producers of honey and medicinal products. The movement of pollen between flowers is necessary for plants to fertilize and reproduce. Bees control growth and quality of vegetation and work closely together, which is in line with Fine Science Tools striving to contribute to a greener world. Our FST hives are currently flourishing and have produced their first batch of honey which we plan on sharing with our customers.

Therefore, this year we have once again focused on expanding our product range to meet the needs of our customers. As the saying goes, "where focus goes, energy flows." Growth takes time, and it is not about the reward at the end but the values and experiences you gain on the journey and the footprints you leave behind. We have come a long way and have already left many footprints but there is still so much to do, and we are dedicated to doing our part in becoming a more sustainable company. We are extremely excited for you to embark into 2023 alongside us.

On behalf of the entire Fine Science Tools team worldwide, thank you again for your continued partnership and support for nearly 50 years.



Markus Gawenda



Markus Gawenda
Managing Partner



Hans Gawenda
Founder



Rob Gawenda
President

Please note the following information for your safety.

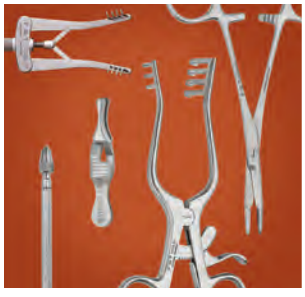
All surgical instruments and devices from the Fine Science Tools product range are intended exclusively for use in experimental research laboratories and facilities or in veterinary medicine. Our Customer Support is available to answer any questions you may have about the field of application and the material properties.



Scissors **3 – 35**
Spring 3 – 14
Fine 15 – 28
Surgical 29 – 35
Bone Instruments **36 – 51**
Rongeurs 36 – 40
Cutters 41 – 48
Other Bone Instruments 49 – 50
Curettes & Chisels 51
Knives & Scalpels **52 – 63**



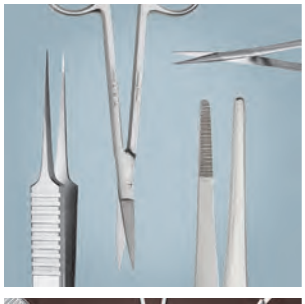
Forceps **65 – 97**
Dumont 65 – 74
Fine 75 – 85
Moria 78 – 79, 82
S&T 80, 82
Standard 86 – 97
Hemostats **98 – 103**



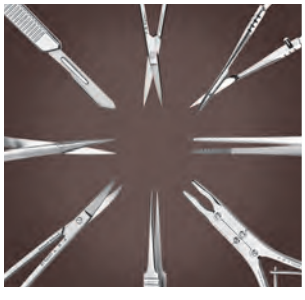
Probes & Hooks **105 – 109**
Spatulae **108 – 112**
Hippocampal Tools & Spoons **112 – 113**
Pins & Holders **114 – 115**
Wound Closure **116 – 127**
Needle Holders & Suture 116 – 124
Staplers, Clips & Applicators 125 – 127
Retractors **128 – 135**
Vascular Instruments **136 – 145**
Clamps & Occluders 136 – 141
Dilation & Cannulation 142 – 145
Ligation Aids 143



Animal Accessories **147 – 152**
Feeding Needles 147 – 148
Animal Identification 149 – 152
Instrument Care & Accessories **153 – 166**
Instrument Care 153 – 156
Sterilization & Storage 157 – 166
Surgical Accessories **167 – 170**
Drill Accessories 167
Cauterizers 168 – 169
Accessories 170
Laboratory Accessories **171 – 182**
Tools 171 – 174
Magnifiers & Lens Paper 175 – 183



Student Instruments **186 – 207**
Quality instruments with the student in mind
Scissors 186 – 191
Cutter 191
Scalpel Handles 192
Forceps 193 – 198
Fine Forceps 193 – 195
Standard Forceps 196 – 198
Hemostats 199 – 202
Artery Clamps 203 – 205
Pin & Needle Holders 206
Retractors, Vessel Dilator & Clamps 207



Reference Pages **209 – 228**
Worldwide Locations 209
Scissors Test 210
Features and Alloys 211
Maintenance and Care 212 – 214
Quality Control 215
Selection 216
Dumont 217
Numerical and Alphabetical Indexes 218 – 227
Additional Information 228



Scissors, Bone Instruments, Knives & Scalpels

Spring Scissors	Pages	3 – 14
Fine Scissors	Pages	15 – 28
Surgical Scissors	Pages	29 – 35
Bone Instruments	Pages	36 – 51
Knives & Scalpels	Pages	52 – 63

Micro Vannas

These Vannas-style spring scissors have the smallest blades ever produced. They are ideal where space is restricted and where absolute precision is demanded.

FST HAND CRAFTED

For more information see page 38.



300%



Straight
Sharp / Sharp

8 cm
Cutting edge: 2 mm
Tip Ø: 0.05 mm

No. 15000-03
$ 408.00



Curved
Sharp / Sharp

8 cm
Cutting edge: 2 mm
Tip Ø: 0.05 mm

No. 15000-04
$ 418.00

Micro Vannas

The short taper is ideal for small, precise cuts.

MOST POPULAR

15000-08

FST HAND CRAFTED

For more information see page 38.



300%



Straight
Sharp / Sharp

8 cm
Cutting edge: 2.5 mm
Tip Ø: 0.05 mm

No. 15000-08
$ 313.00



Curved
Sharp / Sharp

8 cm
Cutting edge: 2.5 mm
Tip Ø: 0.05 mm

No. 15001-08
$ 323.50



Angled to side
Sharp / Sharp

8 cm
Cutting edge: 2.5 mm
Tip Ø: 0.05 mm

No. 15002-08
$ 337.00

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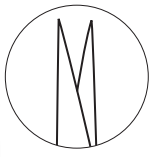
Micro Vannas

The long taper is ideal for cutting vessel walls or when a longer cutting edge is needed.

MOST POPULAR
15000-00

FST HAND CRAFTED
For more information see page 38.





300%



Straight
Sharp / Sharp

8 cm
Cutting edge: 3 mm
Tip Ø: 0.05 mm

No. 15000-00
$ 349.00



Curved
Sharp / Sharp

8 cm
Cutting edge: 3 mm
Tip Ø: 0.05 mm

No. 15000-10
$ 359.00

Vannas

FST HAND CRAFTED
For more information see page 38.





Straight
Sharp / Sharp

10.5 cm
Cutting edge: 4 mm
Tip Ø: 0.15 mm

No. 15018-10
$ 314.00



Curved
Sharp / Sharp

10.5 cm
Cutting edge: 4 mm
Tip Ø: 0.15 mm

No. 15019-10
$ 326.50

Vannas-Tübingen

MOST POPULAR
15003-08

FST HAND CRAFTED
For more information see page 38.





Straight
Sharp / Sharp

8.5 cm
Cutting edge: 5 mm
Tip Ø: 0.075 mm

No. 15003-08
$ 344.50



Angled to side
Sharp / Sharp

8.5 cm
Cutting edge: 5 mm
Tip Ø: 0.075 mm

No. 15008-08
$ 363.00



Curved
Sharp / Sharp

8.5 cm
Cutting edge: 5 mm
Tip Ø: 0.075 mm

No. 15004-08
$ 356.50



Angled up
Sharp / Sharp

9.5 cm
Cutting edge: 5 mm
Tip Ø: 0.075 mm

No. 15005-08
$ 375.00

Vannas Scissors with Microserrations

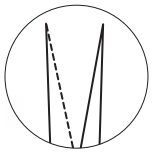
Microserrated to minimize slippage.

SERRATED

FST HAND CRAFTED

For more information see page 38.





300%

Miniature Vannas

Hand finished under high magnification, these tips are especially useful when incising vessel walls for catheter insertion.

Moria





Straight
Sharp / Sharp

8.5 cm
Cutting edge: 5 mm
Tip Ø: 0.1 mm

No. 15070-08
$ 380.00



Straight
Sharp / Sharp

8.5 cm
Cutting edge: 7 mm
Tip Ø: 0.1 mm

No. 15007-08
$ 385.00



Curved
Sharp / Sharp

8.5 cm
Cutting edge: 5 mm
Tip Ø: 0.1 mm

No. 15071-08
$ 390.00

Moria 9600



Straight
Sharp / Sharp

8 cm
Cutting edge: 5 mm
Tip Ø: 0.1 mm

No. 15396-00
$ 580.00

Moria 9601



Curved
Sharp / Sharp

8 cm
Cutting edge: 5 mm
Tip Ø: 0.1 mm

No. 15396-01
$ 590.00

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Titanium Vannas

·TITANIUM·

For more information see page 211.

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp / Sharp

9.5 cm
Cutting edge: 5 mm
Tip Ø: 0.3 mm

No. 15610-08
$ 460.00



Curved
Sharp / Sharp

9.5 cm
5 mm
Tip Ø: 0.3 mm

No. 15615-08
$ 470.00



Angled up
Sharp / Sharp

9.5 cm
5 mm
Tip Ø: 0.3 mm

No. 15617-08
$ 480.00

Cohan-Vannas

Long cutting blades for a more controlled cut.

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp / Sharp

6 cm
Cutting edge: 6 mm
Tip Ø: 0.1 mm

No. 15000-02
$ 414.50



Curved
Sharp / Sharp

6 cm
6 mm
Tip Ø: 0.1 mm

No. 15000-01
$ 427.00

Straight
Blunt / Blunt

6 cm
6 mm
Tip Ø: 0.15 mm

No. 15000-12
$ 391.50

Curved
Blunt / Blunt

6 cm
6 mm
Tip Ø: 0.15 mm

No. 15000-11
$ 404.50

ToughCut® Spring Scissors

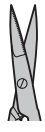
TOUGH CUT

For more information see page 211.

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp / Sharp

12.5 cm
6 mm
Tip Ø: 0.3 mm

No. 15124-12
$ 490.00



Curved
Sharp / Sharp

12.5 cm
6 mm
Tip Ø: 0.3 mm

No. 15123-12
$ 505.00

Round Handled Vannas

Round handles allow easy fingertip adjustments.

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp / Sharp

12.5 cm
Cutting edge: 6 mm
Tip Ø: 0.075 mm

No. 15400-12
$ 366.50



Curved
Sharp / Sharp

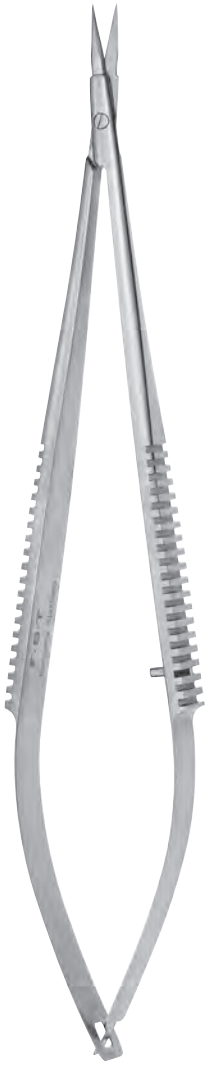
12.5 cm
Cutting edge: 6 mm
Tip Ø: 0.075 mm

No. 15401-12
$ 377.50

Spring Scissors

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp / Sharp

14 cm
Cutting edge: 6 mm
Tip Ø: 0.15 mm

No. 15020-15
$ 412.00



Curved
Sharp / Sharp

14 cm
Cutting edge: 6 mm
Tip Ø: 0.15 mm

No. 15021-15
$ 423.50

Ceramic Coated Spring Scissors

CERAMIC COATED

For more information about our ceramic instruments please visit page 211.

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp / Sharp

10 cm
Cutting edge: 7 mm
Tip Ø: 0.1 mm

No. 15750-11
$ 334.50



Curved
Sharp / Sharp

10 cm
Cutting edge: 7 mm
Tip Ø: 0.1 mm

No. 15751-11
$ 351.00

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Vannas-Wolff

Moria



Moria MC52



Straight
Sharp / Sharp

10 cm
Cutting edge: 7 mm
Tip Ø: 0.15 mm

No. 15370-52
$ 585.00

Moria MC50



Curved
Sharp / Sharp

10 cm
Cutting edge: 7 mm
Tip Ø: 0.15 mm

No. 15370-50
$ 595.00

Vannas

Ultra long cutting edge
without sacrificing tip width.

FST HAND CRAFTED

For more information
see page 38.





Straight
Sharp / Sharp

8.5 cm
Cutting edge: 8 mm
Tip Ø: 0.1 mm

No. 15009-08
$ 398.50

Castroviejo

FST HAND CRAFTED

For more information
see page 38.





Angled to side
Sharp / Sharp

10 cm
Cutting edge: 10 mm
Tip Ø: 0.125 mm

No. 15006-09
$ 338.50

Castroviejo with Ball Tip

Same as No. 15006-09 but with a ball tip to prevent piercing of underlying tissue.

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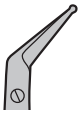
For more information see page 38.





Angled to side
Sharp / Sharp

9 cm
Cutting edge: 8 mm
Tip Ø: 1.3 mm Ball

No. 15033-09
$ 365.50

Spring Scissors

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp / Sharp

10 cm
Cutting edge: 8 mm
Tip Ø: 0.15 mm

No. 15024-10
$ 325.00



Straight
Blunt / Blunt

10 cm
Cutting edge: 8 mm
Tip Ø: 0.3 mm

No. 15025-10
$ 314.50



Curved
Sharp / Sharp

10 cm
Cutting edge: 8 mm
Tip Ø: 0.15 mm

No. 15023-10
$ 337.00

Dowell

FST HAND CRAFTED

For more information see page 38.

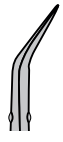




Straight
Sharp / Sharp

11.5 cm
Cutting edge: 10 mm
Tip Ø: 0.1 mm

No. 15040-11
$ 277.00



Angled up
Sharp / Sharp

11.5 cm
Cutting edge: 10 mm
Tip Ø: 0.1 mm

No. 15042-11
$ 302.00

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Noyes

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp/Sharp

12 cm
Cutting edge: 14 mm
Tip Ø: 0.2 mm

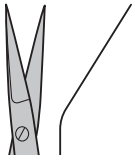
No. 15012-12
$ 314.00



Curved
Sharp/Sharp

12 cm
Cutting edge: 14 mm
Tip Ø: 0.2 mm

No. 15011-12
$ 327.00



Angled up
Sharp/Sharp

12 cm
Cutting edge: 14 mm
Tip Ø: 0.2 mm

No. 15013-12
$ 335.00

Tungsten Carbide Noyes

Tungsten carbide cutting edges provide long lasting sharpness.

TUNGSTEN CARBIDE

For more information see page 211.

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp/Sharp

12 cm
Cutting edge: 14 mm
Tip Ø: 0.275 mm

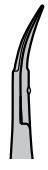
No. 15514-12
$ 421.00

Castroviejo

FST HAND CRAFTED

For more information see page 38.





Sharply curved
Sharp/Sharp

10 cm
Cutting edge: 10 mm
Tip Ø: 0.2 mm

No. 15017-10
$ 321.00

Ceramic Coated Titanium Castroviejo

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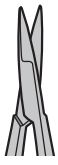
For more information see page 38.

·TITANIUM·
For more information see page 211.

CERAMIC COATED
For more information about our ceramic instruments please visit page 211.





Straight
Sharp / Sharp

11 cm
Cutting edge: 5 mm
Tip Ø: 0.2 mm

No. 15650-11
$ 398.00



Curved
Sharp / Sharp

11 cm
Cutting edge: 5 mm
Tip Ø: 0.2 mm

No. 15651-11
$ 420.00

Westcott

FST HAND CRAFTED
For more information see page 38.





Slightly curved
Sharp / Sharp

11 cm
Cutting edge: 15 mm
Tip Ø: 0.25 mm

No. 15015-11
$ 304.00

Fine Angled Spring Scissors

These spring scissors aid in cutting tissues from various angles.

FST HAND CRAFTED
For more information see page 38.





Angled up
Sharp / Sharp

9.5 cm
Cutting edge: 2 mm
Tip Ø: 0.1 mm

No. 15010-09
$ 314.50



Angled up
Sharp / Sharp

10 cm
Cutting edge: 4 mm
Tip Ø: 0.125 mm

No. 15010-10
$ 304.50

Trident II

A re-release of a popular spring scissors now with a new innovative design for a better feel.

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For more information see page 38.





Straight
Sharp / Sharp

8 cm
Cutting edge: 8 mm
Tip Ø: 0.2 mm

No. 15110-08
$ 329.00



Angled to side
Sharp / Sharp

8 cm
Cutting edge: 8 mm
Tip Ø: 0.2 mm

No. 15111-08
$ 341.00

Pascheff-Wolff

Very delicate blades.

Moria



Moria MC19/B



Angled up
Sharp / Sharp

10.5 cm
Cutting edge: 3 mm
Tip Ø: 0.15 mm

No. 15371-92
$ 580.00

Long Handle Spring Scissors

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp / Sharp

18.5 cm
Cutting edge: 5 mm
Tip Ø: 0.2 mm

No. 15028-18
$ 300.00

Curved
Sharp / Sharp

18.5 cm
Cutting edge: 5 mm
Tip Ø: 0.2 mm

No. 15027-18
$ 318.00

Micro Scissors

With microserrations to minimize slippage.

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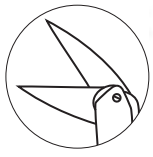
For more information see page 38.



300%



300%



Straight
Sharp/Sharp

14.5 cm
Cutting edge: 2.5 mm
Tip Ø: 0.175 mm

No. 15030-14
$ 613.00



Angled to side
Sharp/Sharp

14.5 cm
Cutting edge: 2.5 mm
Tip Ø: 0.175 mm

No. 15031-14
$ 613.00

Micro Scissors

The finest blades on spring scissors. Designed for ophthalmic surgery (vitrectomy). The spring handles are made of ribbed plastic to ensure a solid grip. **Autoclavable.**

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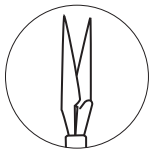
For more information see page 38.



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300%



Straight
Sharp/Sharp

14 cm
Cutting edge: 2.2 mm
Tip Ø: 0.15 mm

No. 15036-14
$ 890.00



Angled 90°
Sharp/Sharp

14 cm
Cutting edge: 1 mm
Tip Ø: 0.1 mm

No. 15037-14
$ 895.00

Ultra Fine Clipper Scissors II

For microscopic dissections of soft and mucous tissue. The minute fineness of the blades allows clear visualization of the tissue being dissected.

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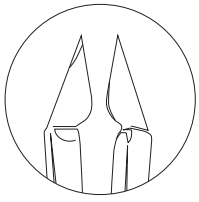
For more information see page 38.





300%

Uses:

- Removing sheath of ganglia to access neurons in aplysia.
- Cutting single nerve axons in aplysia, mollusk and snail.
- Stripping fascia off arteries and muscles.
- Ultra fine brain tissue dissection.
- Cutting of minute fiber optic strands.



Straight
Sharp/Sharp

10 cm
Cutting edge: 1.5–2 mm
Tip Ø: 0.05–0.08 mm
Blade shape: Triangular
Blade thickness: 0.1 mm

No. 15300-00
$ 291.00

Biemer Scissors

These scissors are designed to securely cut vessels without slipping.

FST HAND CRAFTED

For more information see page 38.







Straight
Blunt/Blunt

8.5 cm
Cutting edge: 4 mm
Tip Ø: 2 mm

No. 15032-08
$ 390.00



Straight
Blunt/Blunt

13 cm
Cutting edge: 2 mm
Tip Ø: 2 mm

No. 15032-13
$ 396.00

Extra Fine Bonn

Our finest iris scissors, best suited for microdissection under high magnification.

MOST POPULAR

14084-08
14085-08





Straight
Sharp / Sharp

8.5 cm
Cutting edge: 10 mm

No. 14084-08
$ 95.50



Curved
Sharp / Sharp

8.5 cm
Cutting edge: 10 mm

No. 14085-08
$ 101.00



Straight
Sharp / Blunt

8.5 cm
Cutting edge: 10 mm

No. 14083-08
$ 87.00

Bonn

Highly polished.





Straight
Sharp / Sharp

9 cm
Cutting edge: 10 mm

No. 14184-09
$ 91.00



Curved
Sharp / Sharp

9 cm
Cutting edge: 10 mm

No. 14185-09
$ 96.00

ToughCut® Bonn-Strabismus

A fusion of two light and delicate iris scissors with ToughCut cutting edges.

TOUGH CUT

For more information see page 211.





Straight
Blunt / Blunt

9 cm
Cutting edge: 10 mm

No. 14084-09
$ 158.00



Curved
Blunt / Blunt

9 cm
Cutting edge: 10 mm

No. 14085-09
$ 165.50

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Hardened Fine Iris Scissors

These scissors have an anti-reflective finish to reduce glare.

MOST POPULAR

14090-09





Straight
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14090-09
$ 115.00

11 cm
Cutting edge: 16 mm

No. 14090-11
$ 116.00



Curved
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14091-09
$ 121.00

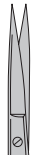
11 cm
Cutting edge: 16 mm

No. 14091-11
$ 121.00

Fine Iris Scissors

Made from Martensitic stainless steel, combined with Molybdenum and Vanadium.





Straight
Sharp / Sharp

10.5 cm
Cutting edge: 16 mm

No. 14094-11
$ 126.50



Curved
Sharp / Sharp

10.5 cm
Cutting edge: 16 mm

No. 14095-11
$ 131.00

Iris Scissors

Delicate pattern.

MOST POPULAR

14060-11





Straight
Sharp/Sharp

9 cm
Cutting edge: 16 mm

No. 14060-09
$ 81.00

10.5 cm
Cutting edge: 16 mm

No. 14060-10
$ 82.50

11.5 cm
Cutting edge: 18 mm

No. 14060-11
$ 84.00

Curved
Sharp/Sharp

9 cm
Cutting edge: 16 mm

No. 14061-09
$ 88.50

10.5 cm
Cutting edge: 16 mm

No. 14061-10
$ 90.00

11.5 cm
Cutting edge: 18 mm

No. 14061-11
$ 91.50

Curved to side
Sharp/Sharp

9 cm
Cutting edge: 16 mm

No. 14062-09
$ 92.50

10.5 cm
Cutting edge: 16 mm

No. 14062-10
$ 98.50

Angled to side
Sharp/Sharp

9 cm
Cutting edge: 16 mm

No. 14063-09
$ 95.00

11.5 cm
Cutting edge: 16 mm

No. 14063-11
$ 95.00

Left Handed Iris Scissors

LEFT HANDED





Straight
Sharp/Sharp

10.5 cm
Cutting edge: 18 mm

No. 14160-10
$ 138.00

Curved
Sharp/Sharp

10.5 cm
Cutting edge: 18 mm

No. 14161-10
$ 145.00

Moria Iris Scissors

Moria



Moria 4877



Straight
Sharp/Sharp

12.5 cm
Cutting edge: 14 mm

No. 14370-22
$ 166.50

Moria 4878



Shallow curve
Sharp/Sharp

10.5 cm
Cutting edge: 14 mm

No. 14370-23
$ 171.50

Extra Narrow Iris Scissors

Extra narrow, delicate pattern. Very slim blades with gentle cutting action.

MOST POPULAR





Side-view showing extra narrow pattern

Straight
Sharp/Sharp

10.5 cm
Cutting edge: 16 mm

No. 14088-10
$ 97.00

Large Loops Scissors

LARGE LOOP





Straight
Sharp / Sharp

10 cm
Cutting edge: 16 mm

No. 14040-10
$ 100.50



Curved
Sharp / Sharp

10 cm
Cutting edge: 16 mm

No. 14041-10
$ 105.50

Wagner

SERRATED
14070-12
14071-12





Straight
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 14068-12
$ 84.50



Curved
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 14069-12
$ 90.00



Straight
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 14070-12
$ 93.50



Curved
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 14071-12
$ 98.00

ToughCut®

MOST POPULAR
14058-09
14058-11

TOUGH CUT
For more information see page 211.





Straight
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14058-09
$ 92.00

11.5 cm
Cutting edge: 16 mm

No. 14058-11
$ 93.50

Curved
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14059-09
$ 99.50

11.5 cm
Cutting edge: 16 mm

No. 14059-11
$ 103.00

Tungsten Carbide

MOST POPULAR
14568-09
14568-12

TUNGSTEN CARBIDE
For more information see page 211.





Straight
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14568-09
$ 146.50

11.5 cm
Cutting edge: 16 mm

No. 14568-12
$ 152.50

Curved
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14569-09
$ 154.00

11.5 cm
Cutting edge: 16 mm

No. 14569-12
$ 161.00

ToughCut® and Tungsten Carbide

TUNGSTEN CARBIDE TOUGH CUT

For more information see page 211.





Straight Sharp / Sharp	Curved Sharp / Sharp
9 cm Cutting edge: 16 mm	9 cm Cutting edge: 16 mm
No. 14558-09 $ 207.00	**No. 14559-09** $ 219.00
11.5 cm Cutting edge: 16 mm	11.5 cm Cutting edge: 16 mm
No. 14558-11 $ 211.50	**No. 14559-11** $ 223.50

CeramaCut®

These ceramic-coated scissors are the cleanest cutting, longest lasting scissors ever produced. Utilizing the unique properties of a ceramic coating, they will last six times longer than tungsten carbide instruments and cut even better than ToughCut® scissors. The black, corrosion-resistant coating has a non-glare finish.

CERAMA CUT

For more information see page 211.





Straight Sharp / Sharp	Curved Sharp / Sharp
9 cm Cutting edge: 16 mm	9 cm Cutting edge: 16 mm
No. 14958-09 $ 318.50	**No. 14959-09** $ 329.50
11.5 cm Cutting edge: 16 mm	11.5 cm Cutting edge: 16 mm
No. 14958-11 $ 324.50	**No. 14959-11** $ 335.50

Fine Scissors





Straight
Sharp / Blunt

10 cm
Cutting edge: 17 mm

No. 14028-10
$ 89.00



Curved
Sharp / Blunt

10 cm
Cutting edge: 17 mm

No. 14029-10
$ 94.50

Lexer-Baby





Straight
Blunt / Blunt

10 cm
Cutting edge: 16 mm

No. 14078-10
$ 80.50



Curved
Blunt / Blunt

10 cm
Cutting edge: 16 mm

No. 14079-10
$ 87.50

Strabismus





Straight
Blunt/Blunt

9 cm
Cutting edge: 13 mm

No. 14074-09
$ 85.00

11.5 cm
Cutting edge: 17 mm

No. 14074-11
$ 85.00

Curved
Blunt/Blunt

9 cm
Cutting edge: 13 mm

No. 14075-09
$ 90.00

11.5 cm
Cutting edge: 17 mm

No. 14075-11
$ 88.50

Tungsten Carbide Strabismus

TUNGSTEN CARBIDE

For more information
see page 211.





Straight
Blunt/Blunt

9 cm
Cutting edge: 13 mm

No. 14574-09
$ 140.50

11 cm
Cutting edge: 18 mm

No. 14574-11
$ 144.50



Curved
Blunt/Blunt

9 cm
Cutting edge: 13 mm

No. 14575-09
$ 144.00

11 cm
Cutting edge: 18 mm

No. 14575-11
$ 151.00

Walton





Slightly curved
Sharp / Sharp

9.5 cm
Cutting edge: 10 mm

No. 14077-09
$ 102.50



Slightly curved
Sharp / Sharp

10.5 cm
Cutting edge: 12 mm

No. 14077-10
$ 104.00

Stevens Tenotomy





Straight
Sharp / Sharp

11 cm
Cutting edge: 13 mm

No. 14064-11
$ 97.50



Straight
Blunt / Blunt

11 cm
Cutting edge: 13 mm

No. 14066-11
$ 91.00



Curved
Sharp / Sharp

11 cm
Cutting edge: 13 mm

No. 14065-11
$ 101.50



Curved
Blunt / Blunt

11 cm
Cutting edge: 13 mm

No. 14067-11
$ 95.00

LaGrange

One edge is serrated to minimize slippage of tissue during cutting. Curved handle helps when cutting from an awkward angle.



Side View



Curved
Sharp/Sharp

11.5 cm
Cutting edge: 11 mm

No. 14173-12
$ 116.50

Shea

Transplant scissors with light and delicate pattern.





Curved
Blunt/Blunt

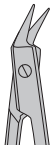
12 cm
Cutting edge: 13 mm

No. 14105-12
$ 121.00

Dissector Scissors

Slim blades for cutting tissue.





Angled to side
Sharp/Sharp

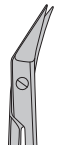
10 cm
Cutting edge: 5 mm

No. 14081-09
$ 102.50

Dissector Scissors

Similar to 14081-09, but with stronger blades for cutting fine bone.





Angled to side
Sharp/Sharp

10.5 cm
Cutting edge: 8 mm

No. 14082-09
$ 109.50

Spencer Ligature

Used for cutting stitches or suture.





Straight
Sharp/Sharp

9 cm
Cutting edge: 13 mm

No. 14076-09
$ 69.00

Bonn Artery

Iris scissors with one ball tip to prevent piercing of underlying tissue.





Straight
Sharp/Ball tip

9 cm
Cutting edge: 8 mm
Tip Ø: 1.5 mm Ball

No. 14086-09
$ 119.50



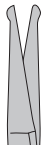
Straight
Sharp/Ball tip

11.5 cm
Cutting edge: 15 mm
Tip Ø: 1.5 mm Ball

No. 14080-11
$ 108.00

Tissue Separating Scissors





Straight
Blunt/Blunt

11.5 cm
Cutting edge: 15 mm

No. 14072-10
$ 102.00

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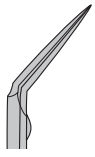
Graefe





Sharply angled up
Sharp / Sharp

10.5 cm
Cutting edge: 9 mm

No. 14037-10
$ 135.00

Adjustable Loops Fine Scissors

The finger loops can be enlarged to fit almost any size.

LARGE LOOP

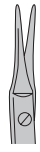




Straight
Sharp / Sharp

9.5 cm
Cutting edge: 8 mm

No. 14106-09
$ 91.50



Straight
Blunt / Blunt

9.5 cm
Cutting edge: 8 mm

No. 14108-09
$ 83.00

Kaye

These scissors have semi-sharp outer edges to better facilitate dissection.

LARGE LOOP

SERRATED





Slightly curved
Blunt/Blunt

10.5 cm
Cutting edge: 14 mm

No. 14171-10
$ 113.50

Standard Pattern

MOST POPULAR
14001-12 – 14001-18

LEFT HANDED
14008-14

Our standard surgical scissors are recognized for these important features:

- Excellent feel and handling capability.
- Overall execution that marks them as fine examples of German craftsmanship.







Length (cm)	Cutting edge (mm)	Straight Sharp/Sharp	Price	Straight Sharp/Blunt	Price	Straight Blunt/Blunt	Price
12	26	No. 14002-12	$ 56.00	No. 14001-12	$ 53.00	No. 14000-12	$ 49.50
13	26	No. 14002-13	$ 59.00	No. 14001-13	$ 55.50	No. 14000-13	$ 52.50
14.5	29	No. 14002-14	$ 62.00	No. 14001-14	$ 58.50	No. 14000-14	$ 55.50
16.5	33	No. 14002-16	$ 64.50	No. 14001-16	$ 61.50	No. 14000-16	$ 58.50
18.5	36			No. 14001-18	$ 64.50	No. 14000-18	$ 61.50
20	39					No. 14000-20	$ 64.00

Length (cm)	Cutting edge (mm)	Straight Sharp/Blunt	Price
14.5	29	No. 14008-14	$ 163.00





Length (cm)	Cutting edge (mm)	Curved Sharp/Sharp	Price	Curved Sharp/Blunt	Price	Curved Blunt/Blunt	Price
12	26	No. 14005-12	$ 62.00	No. 14004-12	$ 59.00	No. 14003-12	$ 55.50
13	26	No. 14005-13	$ 64.50	No. 14004-13	$ 61.50	No. 14003-13	$ 58.50
14.5	29	No. 14005-14	$ 68.00	No. 14004-14	$ 64.50	No. 14003-14	$ 61.50
16.5	33	No. 14005-16	$ 70.50	No. 14004-16	$ 67.50	No. 14003-16	$ 64.00
18.5	36			No. 14004-18	$ 70.50	No. 14003-18	$ 67.00
20	39					No. 14003-20	$ 70.00

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ToughCut® Standard Pattern

MOST POPULAR

14054-13

TOUGH CUT

For more information see page 211.



80% of actual size

Straight
Sharp/Blunt

13 cm
Cutting edge: 27 mm

No. 14054-13
$ 112.00

Straight
Sharp/Blunt

17.5 cm
Cutting edge: 40 mm

No. 14130-17
$ 119.50

Tungsten Carbide Standard Pattern

TUNGSTEN CARBIDE

For more information see page 211.



80% of actual size

Straight
Sharp/Sharp

14.5 cm
33 mm

No. 14502-14
$ 144.50

Straight
Sharp/Blunt

14.5 cm
33 mm

No. 14501-14
$ 139.50

Curved
Sharp/Sharp

14.5 cm
33 mm

No. 14505-14
$ 150.50

Curved
Sharp/Blunt

14.5 cm
33 mm

No. 14504-14
$ 147.00

Standard Pattern with Serrations

SERRATED



80% of actual size

Straight
Sharp/Blunt

14 cm
29 mm

No. 14007-14
$ 82.00

Standard Pattern with Large Finger Loops

LARGE LOOP



80% of actual size



Straight
Sharp / Blunt

14.5 cm
Cutting edge: 27 mm

No. 14101-14
$ 62.00

Tungsten Carbide Mini-Lister

TUNGSTEN CARBIDE

For more information see page 211.





Angled to side
Blunt / Blunt

9 cm
Cutting edge: 15 mm

No. 14531-09
$ 164.50

Lister

Excellent skin cutting scissors. Longer, blunt blade prevents damaging tissue underneath skin without losing the cutting line.

SERRATED



80% of actual size



Angled to side
Blunt / Blunt

14 cm
Cutting edge: 26 mm

No. 14131-14
$ 109.50

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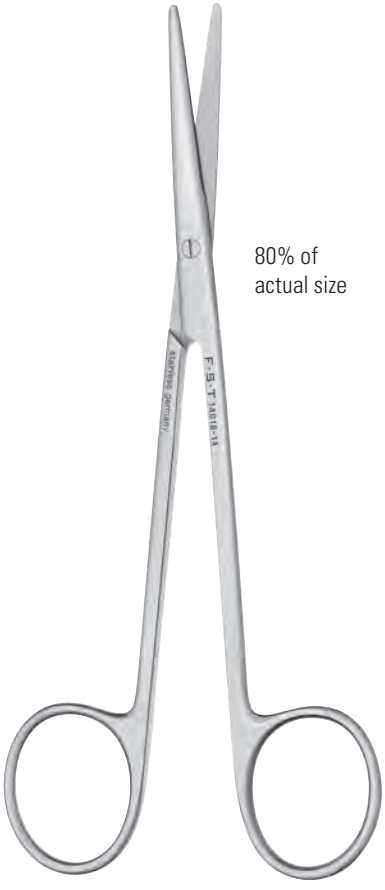
Metzenbaum Baby



80% of
actual size



Straight
Blunt/Blunt

13 cm
Cutting edge: 21 mm

No. 14018-13
$ 101.50

14.5 cm
Cutting edge: 21 mm

No. 14018-14
$ 101.50

18 cm
Cutting edge: 23 mm

No. 14018-18
$ 109.50



Curved
Blunt/Blunt

13 cm
21 mm

No. 14019-13
$ 114.50

14.5 cm
21 mm

No. 14019-14
$ 118.50

18 cm
23 mm

No. 14019-18
$ 126.00

Tungsten Carbide Metzenbaum Fino

TUNGSTEN CARBIDE

For more information
see page 211.



80% of
actual size



Straight
Blunt/Blunt
Ultra fine tips

14.5 cm
21 mm

No. 14508-15
$ 177.00



Straight
Blunt/Blunt

14.5 cm
21 mm

No. 14518-14
$ 135.00

18 cm
26 mm

No. 14518-18
$ 137.50



Curved
Blunt/Blunt
Ultra fine tips

14.5 cm
21 mm

No. 14509-15
$ 188.00



Curved
Blunt/Blunt

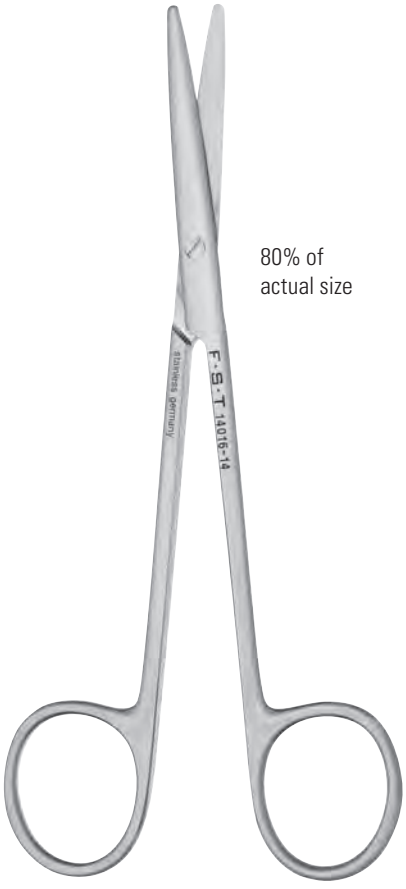
14.5 cm
21 mm

No. 14519-14
$ 144.50

18 cm
26 mm

No. 14519-18
$ 152.50

Metzenbaum



80% of
actual size



Straight
Sharp/Blunt

14.5 cm
Cutting edge: 23 mm

No. 14024-14
$ 81.50



Straight
Blunt/Blunt

14.5 cm
Cutting edge: 23 mm

No. 14016-14
$ 78.00

18 cm
Cutting edge: 23 mm

No. 14016-18
$ 85.50



Curved
Blunt/Blunt

14.5 cm
Cutting edge: 23 mm

No. 14017-14
$ 86.50

18 cm
Cutting edge: 23 mm

No. 14017-18
$ 93.50

ToughCut® Metzenbaum

TOUGH CUT

For more information
see page 211.



80% of
actual size



Straight
Blunt/Blunt

14.5 cm
Cutting edge: 17 mm

No. 14116-14
$ 89.50

18 cm
Cutting edge: 21 mm

No. 14116-18
$ 96.50



Curved
Blunt/Blunt

14.5 cm
Cutting edge: 17 mm

No. 14117-14
$ 98.50

18 cm
Cutting edge: 21 mm

No. 14117-18
$ 104.00

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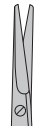
Mayo



80% of actual size



Straight
Blunt/Blunt

15 cm
Cutting edge: 27 mm

No. 14010-15
$ 77.00

17 cm
Cutting edge: 33 mm

No. 14010-17
$ 79.50



Curved
Blunt/Blunt

15 cm
27 mm

No. 14011-15
$ 83.50

17 cm
33 mm

No. 14011-17
$ 86.50

ToughCut® Mayo

TOUGH CUT

For more information see page 211.



80% of actual size



Straight
Blunt/Blunt

15 cm
26 mm

No. 14110-15
$ 115.00

17 cm
33 mm

No. 14110-17
$ 119.50



Curved
Blunt/Blunt

15 cm
26 mm

No. 14111-15
$ 125.50

17 cm
33 mm

No. 14111-17
$ 129.50

Tungsten Carbide Mayo

TUNGSTEN CARBIDE

For more information see page 211.

TUNGSTEN CARBIDE TOUGH CUT

14512-15 & 14512-17

For more information see page 211.



80% of actual size



Straight
Blunt/Blunt

15 cm
26 mm

No. 14510-15
$ 137.00

17 cm
33 mm

No. 14510-17
$ 143.50



Curved
Blunt/Blunt

15 cm
26 mm

No. 14511-15
$ 144.00

17 cm
33 mm

No. 14511-17
$ 150.00



Straight
Blunt/Blunt

15 cm
26 mm

No. 14512-15
$ 252.50

17 cm
33 mm

No. 14512-17
$ 260.50

Mayo-Stille



80% of actual size



Straight
Blunt/Blunt

15 cm
Cutting edge: 27 mm

No. 14012-15
$ 69.00

17 cm
Cutting edge: 31 mm

No. 14012-17
$ 74.00

Curved
Blunt/Blunt

15 cm
Cutting edge: 27 mm

No. 14013-15
$ 77.00

17 cm
Cutting edge: 31 mm

No. 14013-17
$ 82.00

Mayo-Noble



80% of actual size



Straight
Blunt/Blunt

16.5 cm
Cutting edge: 29 mm

No. 14014-17
$ 95.50

Curved
Blunt/Blunt

16.5 cm
Cutting edge: 29 mm

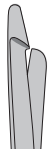
No. 14015-17
$ 102.00

Decapitation Scissors

Stop guard at tips to prevent slippage.



70% of actual size



Straight
Blunt/Blunt

21 cm
Cutting edge: 47 mm

No. 14200-21
$ 92.50

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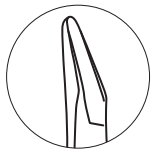
Friedman-Pearson

This popular, fine-tipped rongeur is suited for delicate work. The fine-cupped jaws have been designed with a longer and slimmer approach for better visibility.

MOST POPULAR

FST HAND CRAFTED

For more information see page 38.



200%



Cautionary note:
The fine rongeur tips shown on this page are extremely fragile. Removal of material with a twisting motion can damage the tips.

Straight	Curved
14 cm 0.5 mm Cup	14 cm 0.5 mm Cup
No. 16220-14 $ 417.00	**No. 16221-14** $ 426.50
14 cm 0.7 mm Cup	14 cm 0.7 mm Cup
No. 16120-14 $ 400.50	**No. 16121-14** $ 410.00
14 cm 1 mm Cup	14 cm 1 mm Cup
No. 16020-14 $ 350.00	**No. 16021-14** $ 360.00

Pearson

Provides excellent visibility at dissection site due to its extra long and narrow approach to the fine cutting jaws. Especially suitable for larger hands.

FST HAND CRAFTED

For more information see page 38.

Cautionary note:
The fine rongeur tips shown on this page are extremely fragile. Removal of material with a twisting motion can damage the tips.



Slightly Curved

17 cm
1.2 mm Cup

No. 16015-17
$ 394.00

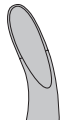
Sharply Curved

17 cm
1.2 mm Cup

No. 16016-17
$ 398.00

Luer





Curved

15 cm
4 mm Cup

No. 16001-15
$ 258.00

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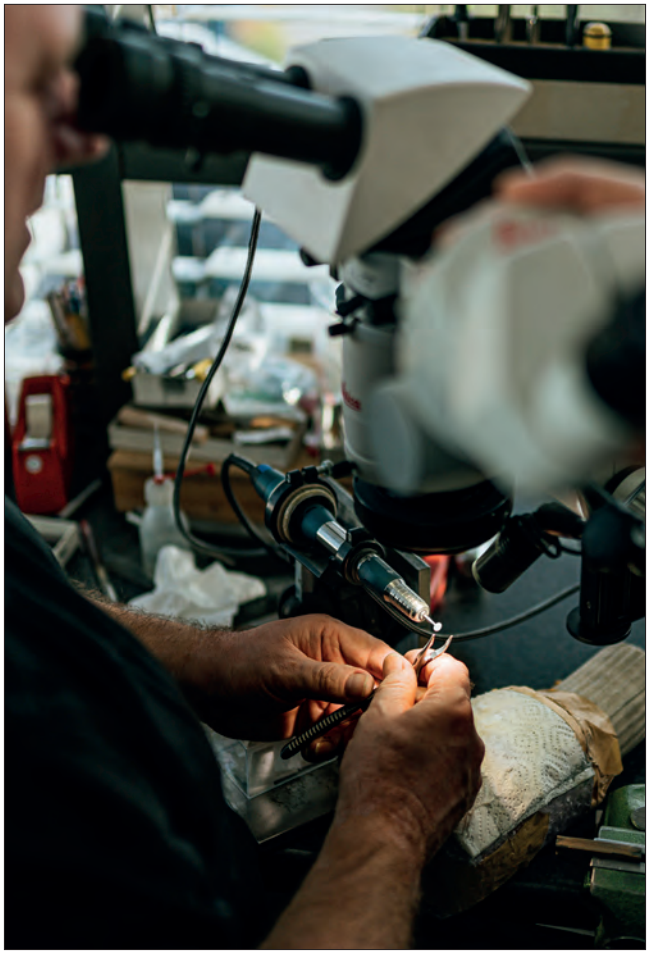
FST HANDCRAFTED





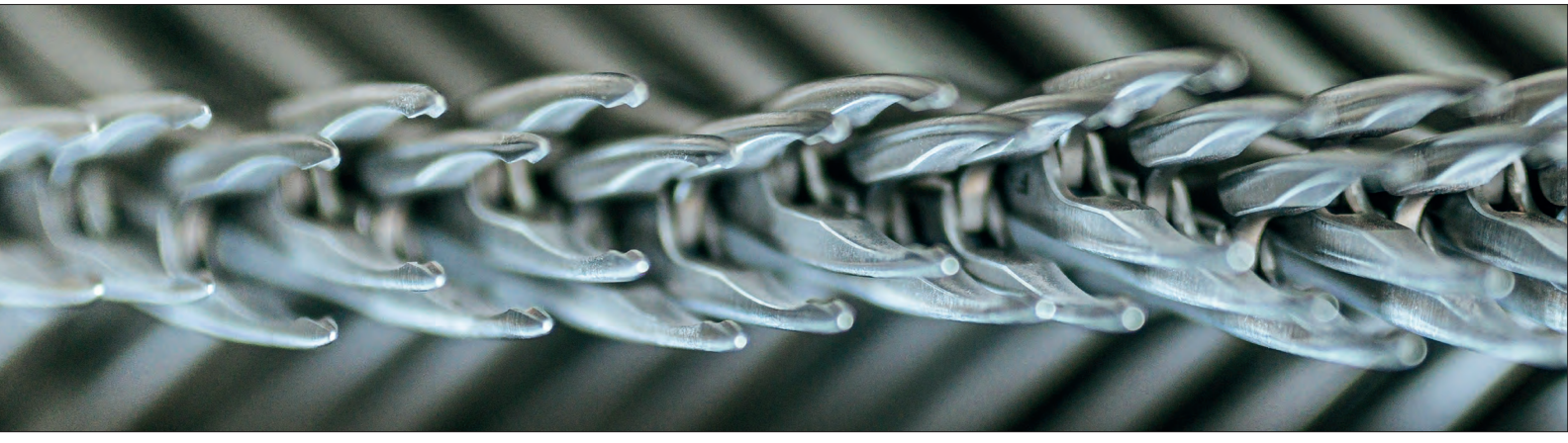
Precision that makes a mark.

Our surgical mechanics refine and perfect instruments in FST's very own workshop, this is a step that only we take in this form. This is essential for the precision and quality of each and every one of our products.

For example, our Friedman-Pearson rongeurs with tip diameters of 0.5 or 0.7 mm, both are unique in the world. Also, our spring scissors have established themselves in the research industry and are second to none in terms of fineness.

The result: a level of quality that makes its mark - and to which we have now dedicated our own. Our new symbol "Hand-Crafted" stands for 100% guaranteed craftsmanship and instruments you can rely on in any situation.

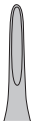
FST HAND CRAFTED



Baby-Beyer

Double-action rongeur with strong jaws helps relieve hand strain.

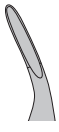




Straight

15 cm
2 mm Cup

No. 16023-15
$ 392.50



Curved

15 cm
2 mm Cup

No. 16022-15
$ 402.00

Diameter of this circle determines cup size.

Form an imaginary circle that will fit in the very tip of the instrument and measure its diameter.

Beyer

Double-action rongeur with strong jaws helps relieve hand strain.



Curved

18 cm
2.5 mm Cup

No. 16002-18
$ 404.50

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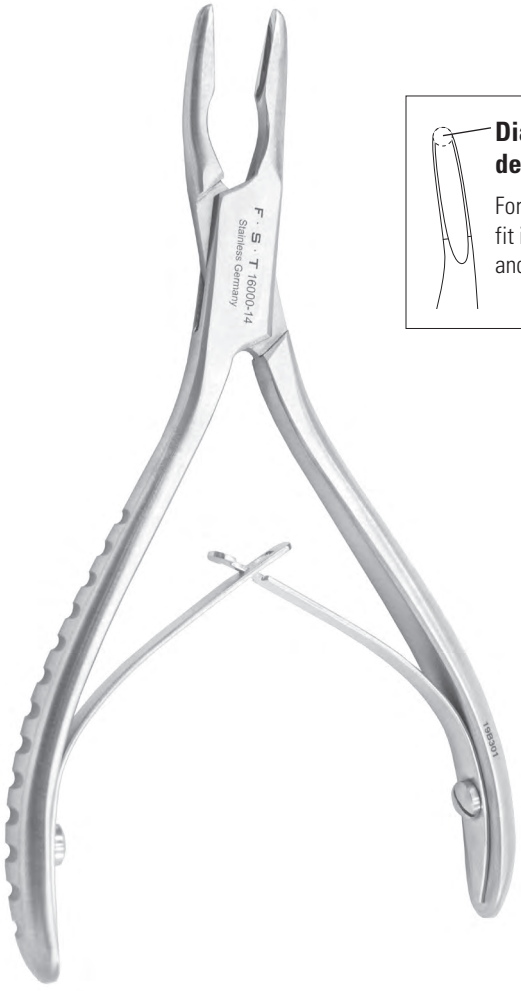
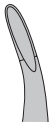
Friedman

Strong and large jaws are ideal for use on the harder, outer regions of the spinal cord. Also can be used to gain access to delicate structures encased in bone.



Diameter of this circle determines cup size.

Form an imaginary circle that will fit in the very tip of the instrument and measure its diameter.



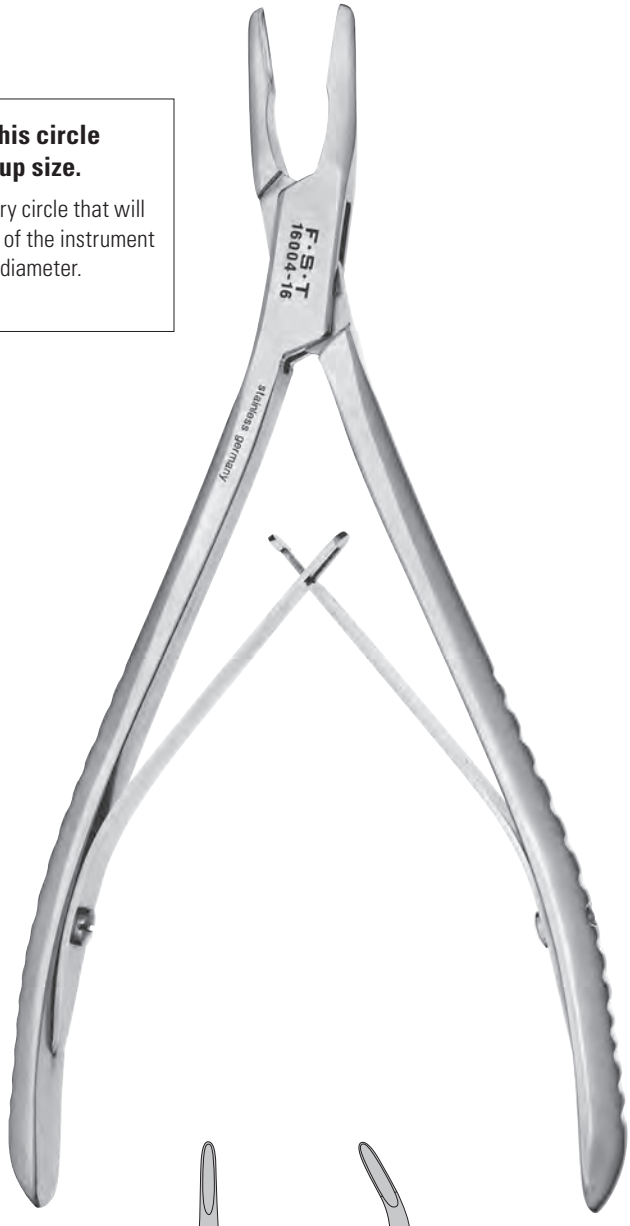
Curved

13 cm
2.5 mm Cup

No. 16000-14
$ 305.50

Lempert

Extra fine jaws.



Straight

16 cm
2.5 mm Cup

No. 16004-16
$ 314.00

Curved

16 cm
2.5 mm Cup

No. 16005-16
$ 323.00

Bone Trimmers





Curved

14 cm
Cutting edge: 8 mm

No. 16109-14
$ 317.50

Cartilage Cutter

Round cutting blades for tissue, cartilage and soft bone.





Curved

14 cm
Cutting edge: 9 mm

No. 16107-14
$ 175.00

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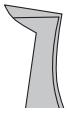
For information on Dumont alloys and tip styles, see page 217.

Dumont #15a Bone Cutter

Cutting edge on both outside and inside bevel. Cuts suture, cartilage, bone and steel wire to 0.06 mm, and copper wire to 0.15 mm.

NOT AUTOCLAVABLE





Angled

11.5 cm
Cutting edge: 10 mm
Jaw opening: 2.5 mm
Hard carbon steel

No. 11215-01
$ 79.50

Dumont #15a Bone Cutter – Epoxy Coated

Same structure and functionality as Item No. 11215-01 (left), but with an epoxy coating up to the cutting edge for easier care and maintenance.

NOT AUTOCLAVABLE





Angled

11.5 cm
Cutting edge: 6 mm
Jaw opening: 2.5 mm
Epoxy coated carbon steel

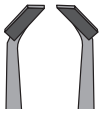
No. 11215-02
$ 67.00

Tungsten Carbide Bone Cutter

TUNGSTEN CARBIDE

For more information see page 211.





Angled

11.5 cm
Cutting edge: 10 mm
Stainless Steel handle with
Tungsten Carbide Tips

No. 11515-02
$ 89.00

Micro Bone Cutter





Angled 25°

13 cm
Cutting edge: 5 mm
Rolling Bearing Steel handle
with TPE Grip

No. 16103-11
$ 72.00

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Bone Nipper





Angled

11 cm
Cutting edge: 5 mm

No. 16102-11
$ 173.50

Offset Bone Nipper

Strong jaws for cutting tough cartilage.





Angled

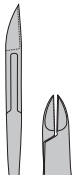
10 cm
Cutting edge: 7 mm

No. 16101-10
$ 184.00

Malleus Nipper

SERRATED

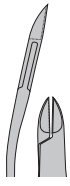




Straight

11 cm
Cutting edge: 9 mm

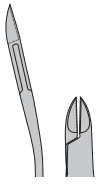
No. 16140-11
$ 164.00



Angled down

11 cm
Cutting edge: 9 mm

No. 16141-11
$ 171.00



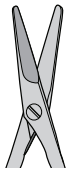
Angled up

11 cm
Cutting edge: 9 mm

No. 16142-11
$ 171.00

Bone Cutting Spring Scissors





Straight

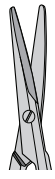
13 cm
Cutting edge: 12 mm

No. 16144-13
$ 157.00

Delicate Bone Cutting Spring Scissors

Slim, strong blades for cutting fine bones and tissues.





Curved

12 cm
Cutting edge: 12 mm

No. 16143-12
$ 203.50

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Littauer Bone Cutter





Straight

11 cm
Cutting edge: 15 mm

No. 16152-11
$ 151.50



Straight

12.5 cm
Cutting edge: 17 mm

No. 16152-12
$ 153.50



Straight

15 cm
Cutting edge: 19 mm

No. 16152-15
$ 160.50

Beebee Bone Scissors

Very strong jaws with sharp points.

MOST POPULAR





Straight

10 cm
Cutting edge: 15 mm

No. 16044-10
$ 65.50

Tungsten Carbide Bone Scissors

Strong heavy blades for cutting bone.

TUNGSTEN CARBIDE

SERRATED

For more information see page 211.





Straight

12.5 cm
Cutting edge: 15 mm

No. 16030-12
$ 167.00



Straight

16 cm
Cutting edge: 15 mm

No. 16030-16
$ 187.00

Boehler

Bone splitting cutter with very fine tips and double action joint to relieve strain on your hand.





Angled up 10°

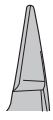
15 cm
Cutting edge: 18 mm

No. 16130-15
$ 496.00

Skull Flap Cutter

One tip has a flat and narrow platform which fits between dura and skull. Other tip has sharp cutting edge. The double action joint relieves strain on your hand.





Angled up 15°

14 cm
Cutting edge: 10 mm

No. 16050-15
$ 510.50

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Cleveland Cutter



Slightly angled

15 cm
Cutting edge: 14 mm

No. 16106-14
$ 303.50

17 cm
Cutting edge: 15 mm

No. 16105-16
$ 299.00

Liston

Gross anatomy bone cutter.



Straight

14 cm
Cutting edge: 20 mm

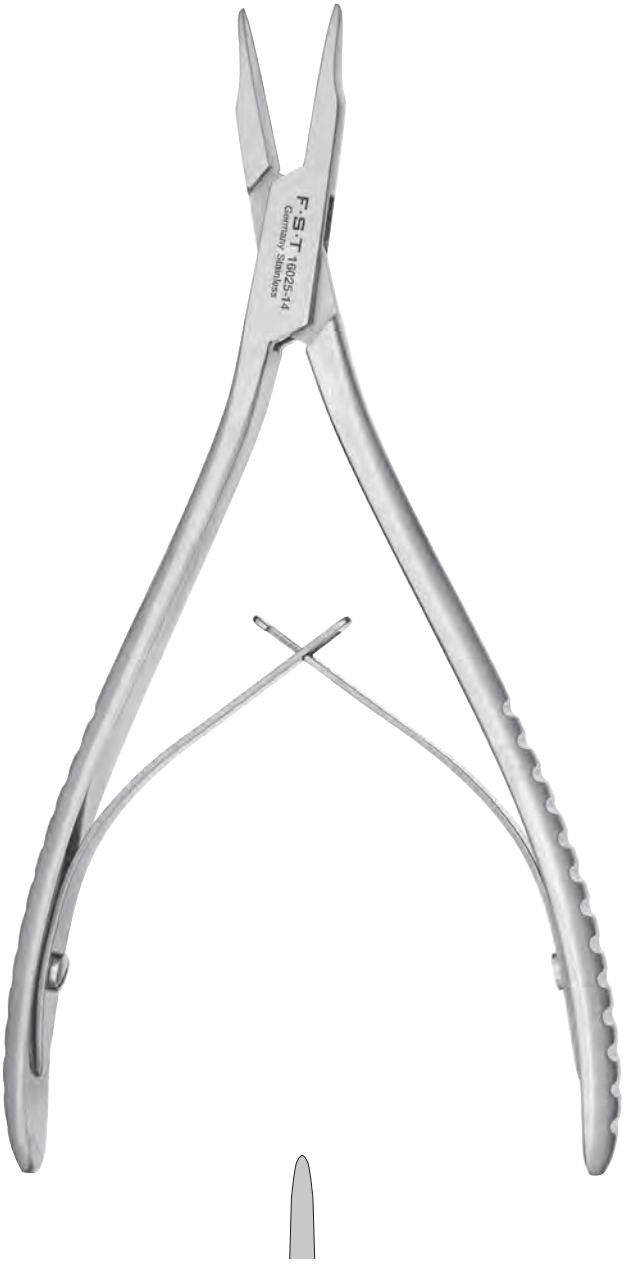
No. 16104-14
$ 291.00

20 cm
Cutting edge: 30 mm

No. 16104-19
$ 313.00

Bone Pliers

To peel back skull flaps.



Straight

15.5 cm
Flat surface

No. 16025-14
$ 264.00

Bone Shears



60% of actual size

Curved

24 cm
Cutting edge: 6.5 cm

No. 16150-24
$ 99.00

Bone Forceps

Strong cross-serrated tips for bone crushing and removal.





Angled

11.5 cm
Tip Ø: 1 mm
Cross serrated

No. 16060-11
$ 94.50

Miniature Self-Tapping Bone Screws

Used extensively to anchor dental cement to bone, these self-tapping screws have superior holding strength over ordinary machine screws. Stainless steel with fillister flat head.



4 mm
Shaft diameter: 0.86 mm
Pkg. of 100 screws

No. 19010-10
$ 176.50

Pkg. of 10 screws

No. 19010-11
$ 19.50

For pre-drilling use our 0.7 mm burrs, see page 167.

4.8 mm
Shaft diameter: 1.19 mm
Pkg. of 100 screws

No. 19010-00
$ 98.00

Pkg. of 10 screws

No. 19010-01
$ 12.00

For pre-drilling use our 0.9 mm burrs, see page 167.

Bone Wax

A beeswax-based compound for bone hemostasis. Soft, kneadable and ready to use.
Sterile.



Box of 12 foil packs (2.5 g each)

No. 19009-00
$ 140.50

Micro Curette

Curette tips consist of a scoop with sharp edges and are used for scraping or cleaning. They can also be used for separating and transporting, inoculating plates or transferring small amounts of chemicals.





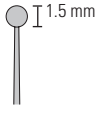
13 cm

No. 10080-05
$ 125.00



13 cm

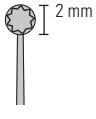
No. 10081-10
$ 124.00



13 cm

No. 10082-15
$ 123.00

Serrations on cutting edge



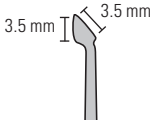
12.5 cm

No. 10083-20
$ 147.50

Delicate Bone Scraper

For scraping tissue without cutting into bone.



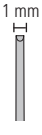


16.5 cm

No. 10075-16
$ 132.00

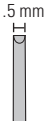
Austin Chisel





16 cm

No. 10096-16
$ 132.00

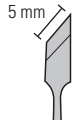


16 cm

No. 10097-16
$ 132.50

Dissecting Chisel





12.5 cm

No. 10095-12
$ 74.00

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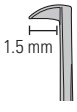
Von Graefe Knife

Used for cutting dura.



300%





Angled 90°

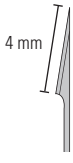
13 cm
Cutting edge: 1.5 mm

No. 10059-13
$ 106.50

Cataract Knife

One of the most popular dissecting knives with a microfine point. The cutting edge is lance shaped to provide the ideal cutting angle.

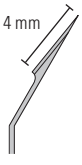




Straight

12.5 cm
Cutting edge: 4 mm

No. 10055-12
$ 135.50



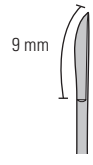
Angled 30°

12.5 cm
Cutting edge: 4 mm

No. 10056-12
$ 155.50

Sichel





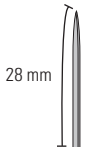
Curved

12 cm
Cutting edge: 9 mm

No. 10073-14
$ 117.00

Micro Knife





Straight

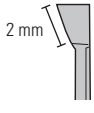
13 cm
Cutting edge: 28 mm

No. 10370-13
$ 135.00

Micro Knife Side Cut



200%



Side blade 20°

15 cm
Cutting edge: 2 mm

No. 10058-15
$ 173.50

Circle Knife

Sharp cutting edge around tip.





250%



Angled 90°

16 cm
Cutting edge: 2 mm

No. 10059-15
$ 140.00

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Gross Anatomy Knives

Handles are made of fiberglass reinforced yellow nylon with a slip resistant surface that allows little chance of bacterial accumulation. The blades are made of German Molybdenum Stainless Steel.



40% of actual size

Dissection knife

28 cm
Cutting edge: 13 cm

No. 10157-13
$ 27.50

30 cm
Cutting edge: 15 cm

No. 10157-15
$ 32.50

33 cm
Cutting edge: 18 cm

No. 10157-18
$ 37.00



40% of actual size

Brain sectioning knife

45 cm
Cutting edge: 30 cm

No. 10152-30
$ 73.00

Obsidian Stone Age Scalpels

For applications where extremely fine cuts are required or for studies where trace metals from ordinary scalpel blades cannot be tolerated. These ultra fine cutting edges have been used in human surgical procedures where objectionable scar tissue results from the use of standard scalpels.

The blade is made from obsidian—a type of volcanic glass—which allows a much finer blade than is possible with the conventional steel blade. In some cases this makes the relatively inexpensive obsidian scalpel a suitable substitute for an expensive diamond knife.

Patterned after "stone age" knives which first made their appearance about 18.000 years ago, these modern versions utilize hard wood and plastic dowels for handles. Plastic dowels are made of polyoxymethylene.

Cautionary note:

Obsidian is a very fragile material. Great care should be taken to not exert any lateral pressure on the blade during cutting. Each blade is hand-fashioned, so sizes, shapes and points will vary. While all the blades will have at least one sharp edge, some will have two.



150%

Wood Dowel
Not autoclavable

Straight

Approximate blade length: 6 mm

No. 10110-01
$ 85.00

Straight

Approximate blade length: 12 mm

No. 10110-03
$ 85.00



150%

Plastic Dowel
Autoclavable

Straight

Approximate blade length: 6 mm

No. 10110-05
$ 118.50



150%

Plastic Dowel
Autoclavable

Angled

Approximate blade length: 6 mm

No. 10110-07
$ 126.50

Ceramic Blades

Advantages:

- Ceramic edge stays sharp 100 times longer than steel edge
- Rust and corrosion free
- Chemical and acid resistant
- Withstands up to 2400°C (4352°F)
- No electrostatic discharge concerns
- No trace metal contamination
- Fully nonmagnetic



Aluminum Alloyed Handle

12.5 cm

No. 10025-50
$ 12.00

NEW ITEM

Ceramic Blades

45° Cutting Edge

33 x 6 x 0.5 mm
Cutting edge: 4.5 mm
Pkg. of 5 blades

No. 10025-44
$ 190.00

45° Cutting Edge

33 x 6 x 0.5 mm
Cutting edge: 2.5 mm
Pkg. of 5 blades

No. 10025-43
$ 190.00

23° Cutting Edge

33 x 6 x 0.5 mm
Cutting edge: 14 mm
Pkg. of 5 blades

No. 10025-23
$ 125.00



45° Cutting Edge

33 x 6 x 0.5 mm
Cutting edge: 8 mm
Pkg. of 5 blades

No. 10025-45
$ 119.50

Diamond Knives

This knife has a gem-quality, neutral diamond blade which is honed to the finest cutting edge possible. The blade is made to an ophthalmic surgical standard and is inspected under 400x magnification. The retractable handle aids in care and storage.

Cautionary note:

This blade is extremely fragile and vulnerable to lateral pressure.







Grip slides up the handle to protect the tip for safe storage and packing.



Cutting angle: 30°

12 cm
Cutting edge: 1 mm
Tip thickness: 0.15 mm

No. 10100-30
$ 415.50



Cutting angle: 45°

12 cm
Cutting edge: 1 mm
Tip thickness: 0.15 mm

No. 10100-45
$ 413.00

Blade Holders and Breakers







11 cm

Jaw width: 4 mm
Flat surface

No. 10052-11
$ 250.00



9 cm

Jaw width: 4 mm
Surface with concave and convex jaws
Handle diameter: 5.5 mm

No. 10053-09
$ 389.00



13 cm

Jaw width: 4 mm
Surface with concave and convex jaws
Handle diameter: 8 mm

No. 10053-13
$ 395.00

Breakable Carbon Steel Blades

These special, high carbon content blades are the only blades that will break cleanly.
Not autoclavable.

NOT AUTOCLAVABLE



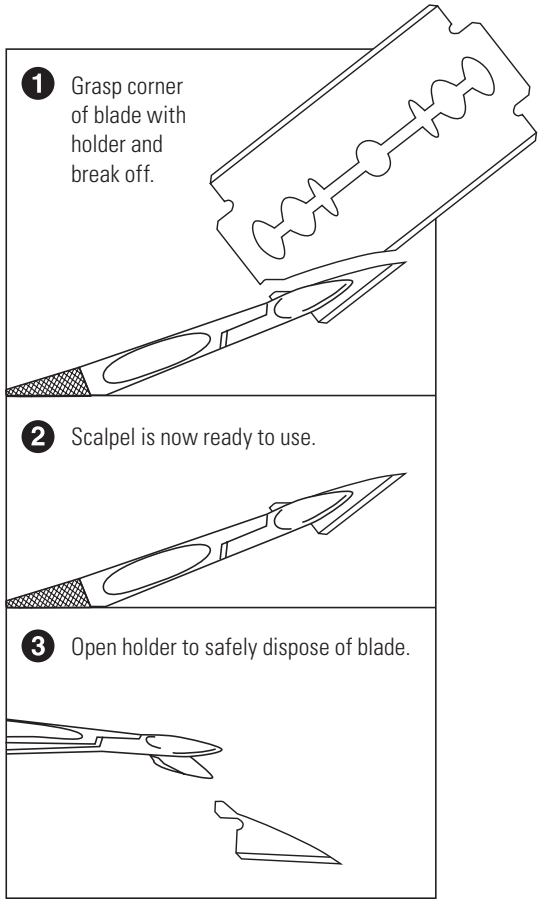
Blade thickness: 0.1 mm

Box of 10 blades

No. 10050-00
$ 11.50

Create Your Own Blade

With these blade holders/breakers and our special carbon steel blades, No. 10050-00, you can produce microblades in sizes that meet your own individual needs.



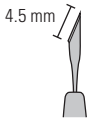
Carbon Steel Scalpel

Cold forged from carbon steel and sharpened to eliminate tissue distortion and blade drag. 12.5 cm plastic handle with slip-proof grip. **Sterile.**

MOST POPULAR

10316-14
10315-12





Cutting angle: 22.5°

13.5 cm
Cutting edge: 4.5 mm
Tip thickness: 0.15 mm

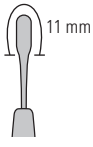
No. 10316-14
$ 15.00



Cutting angle: 15°

13 cm
Cutting edge: 5 mm
Tip thickness: 0.15 mm

No. 10315-12
$ 12.50



Crescent blade

14 cm
Cutting edge: 11 mm
Tip thickness: 0.20 mm

No. 10317-14
$ 15.50



Needle blade

14.5 cm
Cutting edge: 4 mm
Tip thickness: 0.20 mm

No. 10318-14
$ 37.00

Interchangeable Carbon Steel Blades

NOT AUTOCLAVABLE



Handle for Interchangeable Blades

9.5 cm

No. 10035-00
$ 62.00

12.5 cm

No. 10035-12
$ 67.00



Angled blade
Carbon steel

Cutting edge: 10 mm
Pkg. of 5 blades

No. 10035-15
$ 25.00



Curved blade
Carbon steel

Cutting edge: 10 mm
Pkg. of 5 blades

No. 10035-20
$ 25.00



Small flat blade
Carbon steel

Cutting edge: 1.5 mm
Pkg. of 5 blades

No. 10035-05
$ 25.50



Large flat blade
Carbon steel

Cutting edge: 2.75 mm
Pkg. of 5 blades

No. 10035-10
$ 25.50



Cane blade
Carbon steel

Cutting edge: 12 mm
Pkg. of 5 blades

No. 10035-25
$ 26.50



Arc blade
Carbon steel

Cutting edge: 12 mm
Pkg. of 5 blades

No. 10035-30
$ 61.50

Scalpel Handle #4 with Silicone

For heavy, gross anatomy work.
Molded to fit hand.



13.5 cm

No. 10009-13
$ 52.00

Standard Scalpel Handle #4 Solid

Especially suitable for large dissections.



13 cm

No. 10004-13
$ 18.50

Blades for #4 Scalpel Handle

The alloy used has a high carbon content which provides a longer lasting edge. Blades come individually wrapped. **Non-sterile.**

NOT AUTOCLAVABLE



Box of 100 blades

No. 10020-00
$ 55.50



Box of 100 blades

No. 10021-00
$ 55.50



Box of 100 blades

No. 10022-00
$ 55.50



Box of 100 blades

No. 10023-00
$ 55.50

#3 Standard

MOST POPULAR



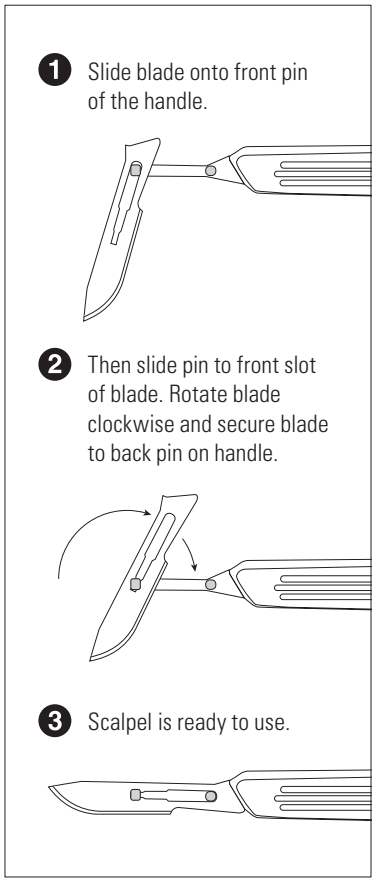
12 cm

No. 10003-12
$ 18.00

#3 Secure

A safety lock holds the blade securely, and allows simple and safe blade attachment and removal.





12 cm

No. 10003-13
$ 25.50

Blades for #3 and #7 Scalpel Handles

The alloy used has a high carbon content which provides a longer lasting edge. Blades come individually wrapped. **Non-sterile.**

NOT AUTOCLAVABLE



Box of 100 blades

No. 10010-00
$ 56.00



Box of 100 blades

No. 10011-00
$ 56.00



Box of 100 blades

No. 10012-00
$ 56.00



Box of 100 blades

No. 10015-00
$ 56.00

Short Scalpel Handle #7



12 cm

No. 10007-12
$ 28.50

Standard Scalpel Handle #7

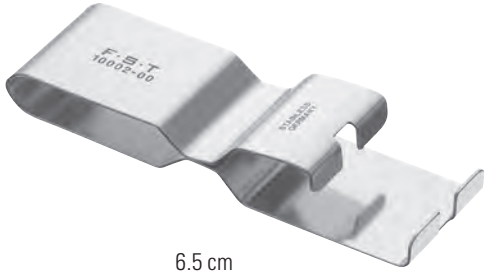


16.5 cm

No. 10007-16
$ 31.50

Scalpel Blade Remover

For safe removal of scalpel blades, simply insert scalpel with blade into the Scalpel Blade Remover and press the sides together. This will dislodge the blade from handle and hold the blade securely for release.



6.5 cm

No. 10002-00
$ 19.00

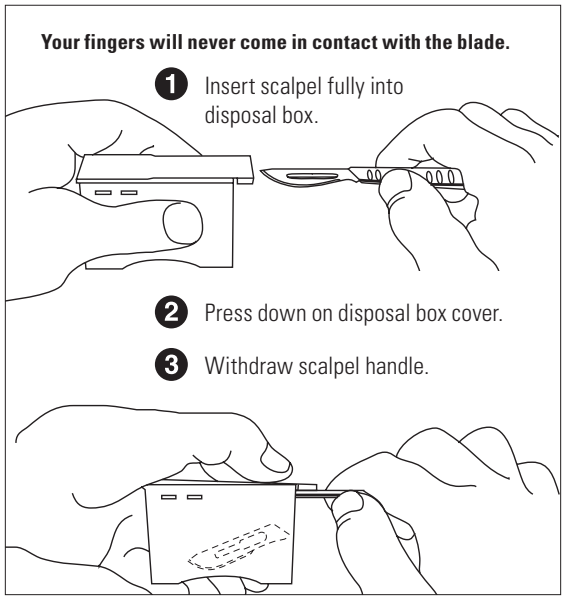
Scalpel Blade Removal and Disposal Box

This plastic device will remove used scalpel blades safely and retain them for safe disposal. Can be used for blades that fit the #3, #4, #7 and Gross Anatomy handles.



7.5 x 5 x 2.5 cm
Capacity approximately 80 blades
Carton of 10 boxes

No. 10002-50
$ 28.50



Gross Anatomy Blade and Handle





7.5 cm Box of 100 blades	13 cm
No. 10060-00 $ 74.50	**No. 10060-13** $ 22.00

Disposable Safety Scalpels

Plastic handle #3 with stainless steel blades. The protective cartridge completely covers the blade for safe, fast, and easy disposal. **Single-use and non-sterile.**



Full blade exposure like a traditional scalpel

Safety cartridge locks into place

Designed with a convenient ruler for quick measurement





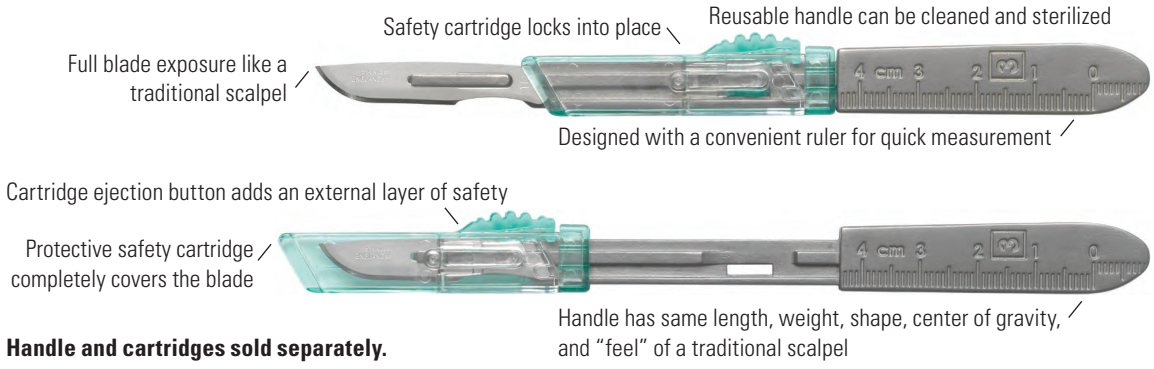


Scalpel shown with safety cartridge closed and locked into place.

#10 scalpels Pkg. of 10	#11 scalpels Pkg. of 10	#15 scalpels Pkg. of 10
No. 10000-10 $ 28.00	**No. 10000-11** $ 28.00	**No. 10000-15** $ 28.00

Safety Scalpel Handle #3 and Blade Cartridges

The Safety Scalpel Handle #3 is compatible with all Safety Scalpel Blades. The handle is reusable and made of Teflon coated stainless steel which provides a non-stick surface. The Blade Cartridges are color-coded with clear windows for easy identification. The protective cartridge completely covers the blade for safe, fast, and easy disposal. **Handle is reusable and autoclavable. Blades are single-use and non-sterile.**



Handle and cartridges sold separately.

Safety Scalpel Handle #3



12.5 cm
Teflon coated stainless steel

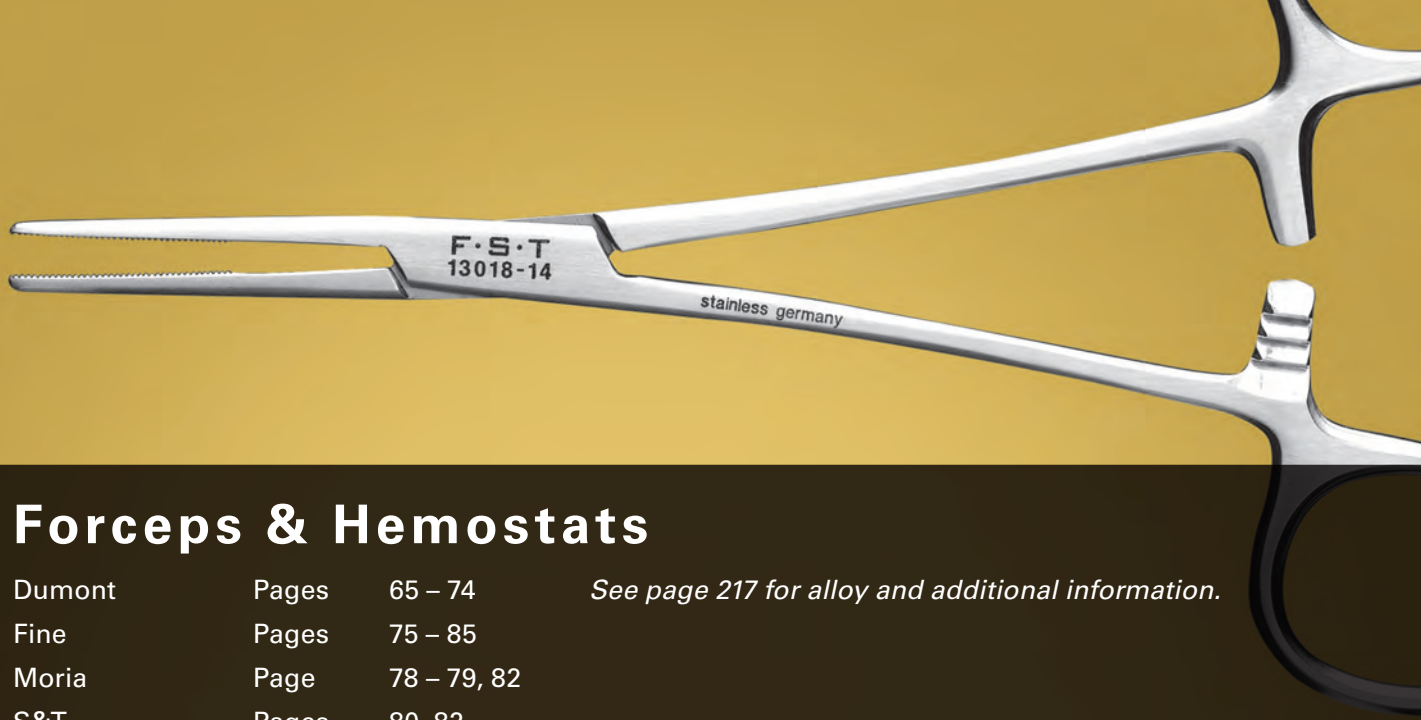
No. 10006-12
$ 26.00

Safety Scalpel Blade Cartridges



Safety Scalpel Blade Cartridges shown open and attached to handle.
Handle and cartridges sold separately.

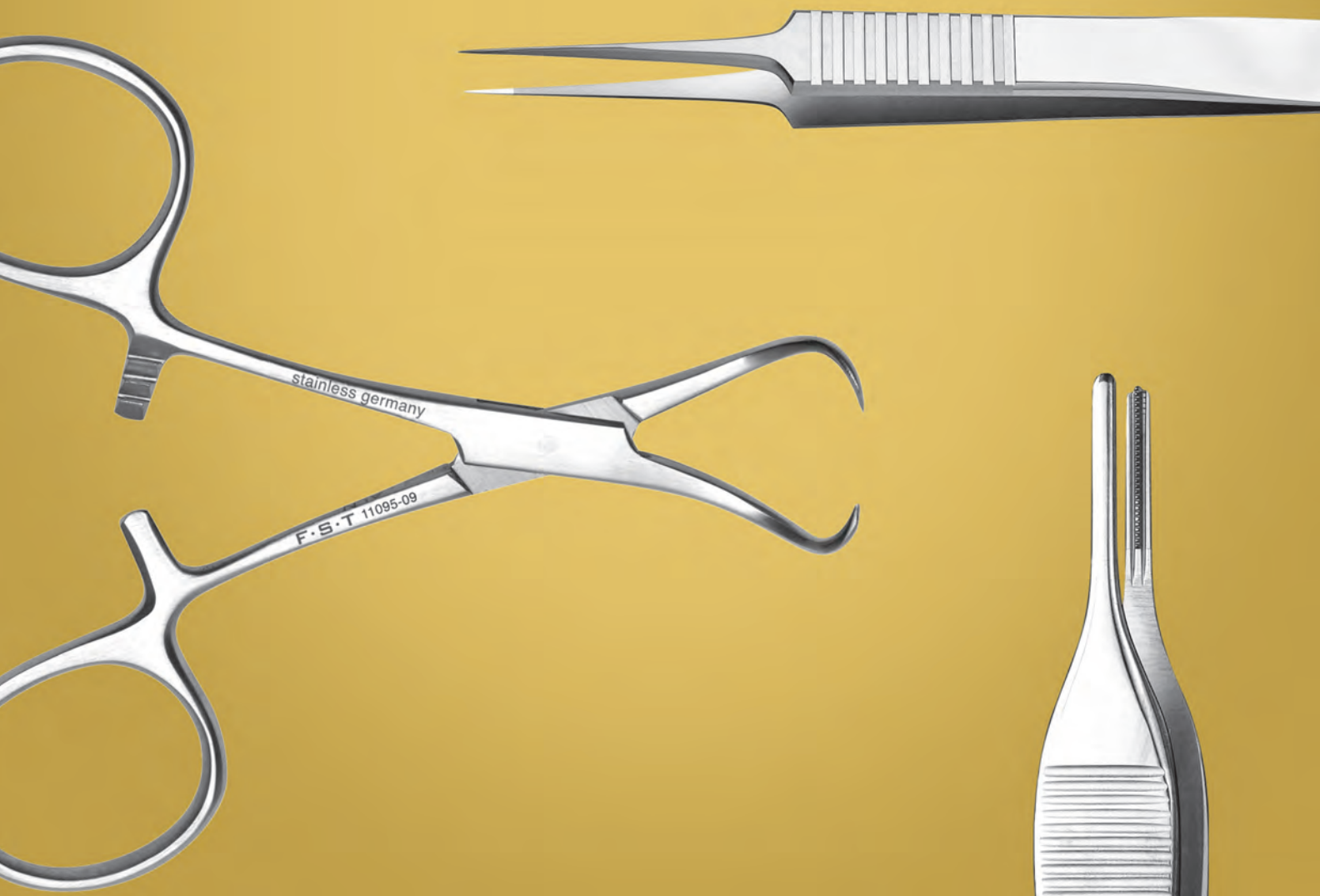
#10 blades	#11 blades	#15 blades
Pkg. of 10	Pkg. of 10	Pkg. of 10
No. 10010-10	No. 10011-10	No. 10015-10
$ 26.00	$ 26.00	$ 26.00



Forceps & Hemostats

Dumont	Pages	65 – 74
Fine	Pages	75 – 85
Moria	Page	78 – 79, 82
S&T	Pages	80, 82
Standard	Pages	86 – 97
Hemostats	Pages	98 – 103

See page 217 for alloy and additional information.



Dumont #5SF

The finest tips ever produced by Dumont.



0,025 mm



Super fine tip

11 cm
Inox
0.025 x 0.005 mm

No. 11252-00
$ 82.00

Dumont #5 Fine Tips

Finished under magnification and polished on the inside, the tips close flat to 3 mm and are less likely to open under excess pressure.

MOST POPULAR



0,05 mm



Biology tip

11 cm
Inox
0.05 x 0.01 mm

No. 11254-20
$ 53.50

Dumont #5 Ceramic Coated

These forceps are non-reflective. The scratch and corrosion resistant coating guarantees durability.

CERAMIC COATED

For more information about our ceramic instruments please visit page 211.



0,05 mm



Biology tip

11 cm
Ceramic coated inox
0.05 x 0.01 mm

No. 11252-50
$ 73.00

Dumont #5CO

These forceps have been honed down to make this the lightest and most precise Dumont forceps available.



0,05 mm



Biology tip

11 cm
Dumostar
0.05 x 0.01 mm

No. 11295-20
$ 68.00

FORCEPS

For information on Dumont alloys and tip styles, see page 217.

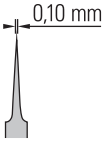
RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Dumont Micro-Blunted, Atraumatic Tipped Forceps

The sides of these forceps are distinctively ribbed to provide a better holding surface for maximum control of the instrument. The shanks are arched toward each other to transmit more holding strength to the points. The smooth inside surfaces at the tips will close flat to 5 mm with gentle pressure, increasing the total holding area considerably. The microscopically matched tips are gently blunted to prevent tissue puncture and are recommended as micro needle holders.

For information on Dumont alloys and tip styles, see page 217.





Medical #5

Straight

11 cm
Inox
0.10 x 0.06 mm

No. 11253-20
$ 43.00

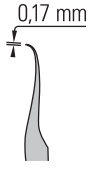


Medical #5A

Off-center

11.5 cm
Inox
0.13 x 0.08 mm

No. 11253-21
$ 40.00



Medical #7S

Short curve

12 cm
Inox
0.17 x 0.10 mm

No. 11273-22
$ 46.50



Medical #7

Curved

11.5 cm
Inox
0.17 x 0.10 mm

No. 11273-20
$ 50.00



Medical #5/45

Angled 45°

11 cm
Inox
0.10 x 0.06 mm

No. 11253-25
$ 48.00



Medical #5/90

Angled 90°

11 cm
Inox
0.10 x 0.06 mm

No. 11253-29
$ 48.50

Dumont #55

Bevelled, like #5 but with extra light and fine shanks.



0,05 mm

Biology tip

11 cm
Inox
0.05 x 0.02 mm

No. 11255-20
$ 43.50

11 cm
Dumostar
0.05 x 0.02 mm

No. 11295-51
$ 58.50

Dumont #5 Mirror Finish Forceps

The last 5 mm on the inside of the tips are highly polished to help prevent tissue from sticking. Ideal for embryos, nerves, or any other adhesive tissue.



0,10 mm

Standard tip

11 cm
Inox
0.10 x 0.06 mm

No. 11251-23
$ 72.00

0,05 mm

Biology tip

11 cm
Inox
0.05 x 0.02 mm

No. 11252-23
$ 77.00

Dumont #5

These are the most widely used Dumont forceps. Bevelled, very fine shanks for best visibility.

MOST POPULAR

11251-20
11252-20

NOT AUTOCLAVABLE

11251-10

·TITANIUM·

11252-40
For more information see page 211.



For information on Dumont alloys and tip styles, see page 217.

0,10 mm

Standard tip

11 cm
Inox
0.10 x 0.06 mm

No. 11251-20
$ 32.00

Dumoxel

No. 11251-30
$ 35.50

Dumostar

No. 11295-00
$ 54.00

11 cm
Carbon
0.08 x 0.04 mm

No. 11251-10
$ 33.00

0,05 mm

Biology tip

11 cm
Inox
0.05 x 0.02 mm

No. 11252-20
$ 38.00

Dumoxel

No. 11252-30
$ 40.50

Dumostar

No. 11295-10
$ 61.00

Titanium

No. 11252-40
$ 44.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

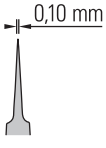
For information on Dumont alloys and tip styles, see page 217.

Dumont WA #5

These specially designed forceps offer improved stability with an ergonomic body that allows the forceps to fit more comfortably in your hand. A domed end with no soldering grooves allows the forceps to be thoroughly and easily cleaned, preventing biofilm residues.



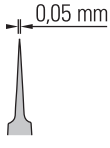
Side View



Standard tip

12 cm
Inox
0.10 x 0.06 mm

No. 11251-21
$ 37.00



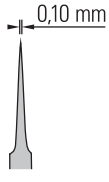
Biology tip

12 cm
Inox
0.05 x 0.02 mm

No. 11252-21
$ 43.00

Dumont #5XL





Standard tip

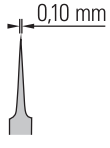
15 cm
Inox
0.10 x 0.06 mm

No. 11253-10
$ 57.50

Dumont #L5

Slide sleeve keeps tips together so specimens may be securely held and retained. Slide may be locked in place so that forceps can be used in regular fashion.





Standard tip

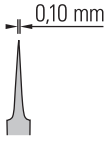
11 cm
Inox
0.10 x 0.06 mm

No. 11253-27
$ 70.00

Dumont #5 Teflon® Coated

These antimagnetic forceps are ideal for use in cryogenic environments and for EM samples. Teflon® coating provides a non-stick surface.





Standard tip

11 cm
Teflon coated inox
0.10 x 0.06 mm

No. 11626-11
$ 44.00

Dumont #5/45

45° tips for improved visibility and control.

MOST POPULAR





Standard tip

11 cm
Dumoxel
0.10 x 0.06 mm

No. 11251-35
$ 42.50

Dumont #5/45 Cover Slip Forceps

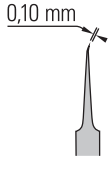
Designed to pick up cover slips out of multi-well plates. The tip width is squared for a better grip.





300%

For information on Dumont alloys and tip styles, see page 217.



1 mm from tip to bend

11.5 cm
Dumoxel
Upper tip: 0.10 x 0.08 mm
Lower tip: 0.10 x 0.02 mm

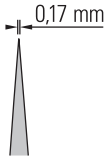
No. 11251-33
$ 60.50

For information on Dumont alloys and tip styles, see page 217.

Dumont #3

Tapered and sturdy shanks.

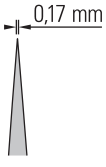




Standard tip

12 cm
Dumoxel
0.17 x 0.10 mm

No. 11231-30
$ 34.00



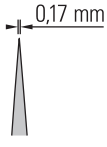
Standard tip

12 cm
Dumostar
0.17 x 0.10 mm

No. 11293-00
$ 49.50

Dumont #3c





Standard tip

11 cm
Inox
0.17 x 0.10 mm

No. 11231-20
$ 30.50

Dumont #6

Sharply angled tips for access to difficult areas.





Standard tip

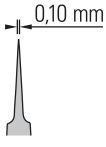
11.5 cm
Inox
0.17 x 0.10 mm

No. 11260-20
$ 42.50

Dumont #7 Fine Tips

Finished under magnification and polished on the inside, the tips close flat to 3 mm and therefore less likely to open under excess pressure.





Biology tip

11 cm
Inox
0.07 x 0.03 mm

No. 11274-20
$ 48.00

Dumont #7

·TITANIUM·

11272-40
For more information see page 211.





Standard tip

Dumoxel

No. 11271-30
$ 42.00

Dumostar

No. 11297-00
$ 56.00



Biology tip

11.5 cm
Dumoxel
0.07 x 0.04 mm

No. 11272-30
$ 46.00

Dumostar

No. 11297-10
$ 61.50

Titanium

No. 11272-40
$ 52.50

Dumont #7 Ceramic Coated

CERAMIC COATED

For more information about our ceramic instruments please visit page 211.





Biology tip

11 cm
Ceramic coated inox
0.07 x 0.04 mm

No. 11272-50
$ 78.00

Dumont #7B

SERRATED





Standard tip

11 cm
Inox
0.17 x 0.10 mm

No. 11270-20
$ 49.50

For information on Dumont alloys and tip styles, see page 217.

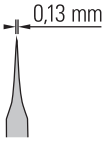
RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

For information on Dumont alloys and tip styles, see page 217.

Dumont #4

Similar to #5, but with broader shanks.





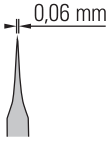
Standard tip

11 cm
Dumoxel
0.13 x 0.08 mm

No. 11241-30
$ 36.50

Dumostar

No. 11294-00
$ 52.00



Biology tip

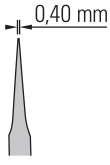
11 cm
Dumoxel
0.06 x 0.04 mm

No. 11242-40
$ 40.50

Dumont #2 Laminectomy Forceps

These forceps can be used to break off delicate bone during mouse laminectomies, as well as fine skull bone removal.





Standard tip

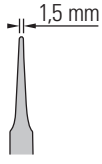
12 cm
Inox
0.40 x 0.02 mm

No. 11223-20
$ 41.00

Dumont #2AP Epoxy Coated

Provides good insulation for up to 220 AC voltage work and highly impervious to chemical solutions. Frozen or super cold sections will not adhere to the gripping surfaces.





Standard tip

12 cm
Epoxy coated Inox
Tip width: 1.5 mm

No. 11220-21
$ 25.00

Dumont AA



0,40 mm

Standard tip

12.5 cm
Inox
0.4 x 0.2 mm

No. 11210-20
$ 30.00

Dumont AA Epoxy Coated

Slip-proof acid and electric shock resistant epoxy coating covering 17.5 mm from the tips.



0,40 mm

Standard tip

12.5 cm
Epoxy coated inox
0.4 x 0.2 mm

No. 11210-10
$ 28.50

Dumont SS

The tips are smooth on the inside for a gentle grip. Applying full strength will not separate tips and a strong hold on the smallest specimen is ensured.



0,20 mm

Standard tip

13.5 cm
Inox
0.20 x 0.12 mm

No. 11203-23
$ 35.50



0,20 mm

Angled 45°

13.5 cm
Inox
0.20 x 0.12 mm

No. 11203-25
$ 40.00



0,10 mm

Biology tip

13.5 cm
Dumoxel
0.10 x 0.06 mm

No. 11200-33
$ 39.00

For information on Dumont alloys and tip styles, see page 217.

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For information on Dumont alloys and tip styles, see page 217.

Dumont Mini Forceps





Style 3

7 cm
Inox
0.12 x 0.07 mm

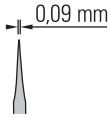
No. 11200-10
$ 24.00



Style 4

7 cm
Inox
0.14 x 0.06 mm

No. 11200-12
$ 27.00



Style 5

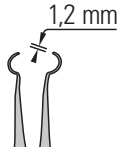
8 cm
Inox
0.09 x 0.05 mm

No. 11200-14
$ 25.50

Dumont #2E Components Forceps

NEW ITEM

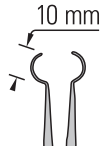




For components

11.5 cm
Dumoxel
8 x 1.2 mm

No. 11229-08
$ 46.00

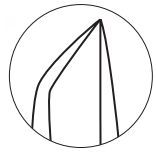


For components

11.5 cm
Dumoxel
10 x 1.2 mm

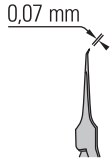
No. 11229-10
$ 48.00

Dumont #5AC



300%





Biology Tip
Type #5 Anti-Capillary

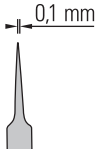
11.5 cm
Inox
0.07 x 0.02 mm

No. 11258-20
$ 60.00

Gold Plated Forceps

Gold-plating gives corrosion resistance to most chemicals, salts and acids. These forceps are perfect for any application where corrosion resistance and toughness are primary requirements.





Straight

11.5 cm
0.1 x 0.06 mm

Gold Plated
Stainless Steel

No. 11915-11
$ 37.50

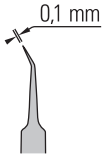


Curved

11.5 cm
0.2 x 0.1 mm

Gold Plated
Stainless Steel

No. 11917-12
$ 39.00



Angled 30°

11.5 cm
0.1 x 0.06 mm

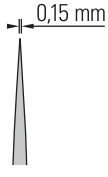
Gold Plated
Stainless Steel

No. 11911-11
$ 39.00

Diamond Coated Forceps

Diamond coating provides increased corrosion resistance and greater protection from wear and tear, which extends the operational life of the forceps, as well as providing a stronger grip at the tips.





Straight

14 cm
0.15 x 0.1 mm

Diamond Coated
Stainless Steel

No. 11990-14
$ 46.00

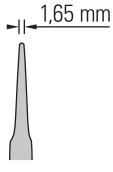


Angled 30°

14 cm
0.15 x 0.1 mm

Diamond Coated
Stainless Steel

No. 11991-14
$ 50.00



Straight

12 cm
1.65 x 0.05 mm

Diamond Coated
Stainless Steel

No. 11992-12
$ 41.50

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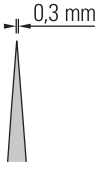
Mirror Finish Broad Shanks

These forceps have long and narrow shanks with thin, highly polished tips to prevent tissue from sticking. Ideal for embryos, nerves, or other adhesive tissues.





Straight

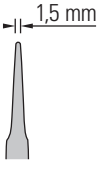
13 cm
0.3 x 0.15 mm

No. 11923-13
$ 31.50

#2A Forceps

NEW ITEM



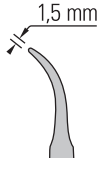


Straight

12 cm
1.5 x 0.13 mm

Stainless Steel

No. 11992-20
$ 24.00



Curved

13 cm
1.5 x 0.1 mm

Stainless Steel

No. 11972-20
$ 28.00

Forceps with Replaceable Tips

Stainless steel body with replaceable plastic tips. Tips are made of polyvinylidene fluoride (PVDF) and are electrostatic discharge (ESD) safe. Body and plastic tips are corrosion and abrasion resistant.





Straight

13 cm
0.5 x 0.5 mm

Stainless Steel body with replaceable plastic tips

No. 11980-13
$ 27.50



Pkg. of 2 tips and 3 screws
Replacement plastic tips

Straight, strong

4 cm
0.5 mm

No. 11988-01
$ 9.50



Pkg. of 2 tips and 3 screws
Replacement plastic tips

Straight, very fine

4 cm
0.5 mm

No. 11988-02
$ 9.50



Pkg. of 2 tips and 3 screws
Replacement plastic tips

Curved

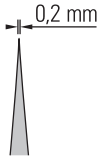
4 cm
0.5 mm

No. 11988-03
$ 9.50

Fine Forceps Broad Shanks

Straight forceps with sturdy coarse tips.





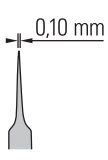
12 cm
0.2 x 0.12 mm

No. 11445-12
$ 62.50

Fine Forceps Mirror Finish

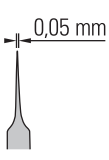
The last 5 mm on the inside of the tips are highly polished to help prevent tissue from sticking. Ideal for embryos, nerves, or other adhesive tissue.





11 cm
0.10 x 0.06 mm

No. 11412-11
$ 100.50



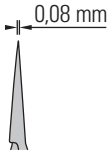
11 cm
0.05 x 0.02 mm

No. 11413-11
$ 107.50

Fine Forceps Self-Closing

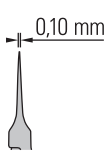
Ideal for lifting and holding EM grids. Consistent pressure at tips. Correctly tensioned "cross-over" shanks come to a microscopically matched point.





11.5 cm
0.08 x 0.04 mm

No. 11480-11
$ 62.50



11 cm
0.10 x 0.06 mm

No. 11485-11
$ 63.50



11.5 cm
0.20 x 0.12 mm

No. 11487-11
$ 71.50

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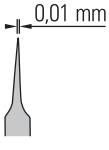
Moria Ultra Fine Forceps

These forceps have the most finely executed points available. They are extremely light, superbly balanced, and have a gentle spring action. The shanks are specially designed with an arch which ensures maximum force to the tips. The tips close flat for 6 mm from the points to give a large holding area. The tips have been expertly finished under magnification.



Moria MC40

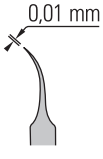


Straight

11 cm

No. 11370-40
$ 286.00

Moria MC40/B



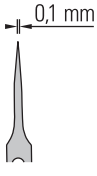
Curved

11 cm

No. 11370-42
$ 296.00



Moria 9980



Straight

13 cm

No. 11399-80
$ 227.00

Moria 9987



Curved

13 cm

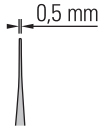
No. 11399-87
$ 237.00

Moria Iris Forceps

Balanced with gentle spring action and tips that are perfectly matched.



Moria MC32/B

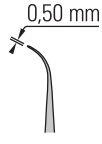


Smooth
Blunt

10 cm
Tip width: 0.5 mm

No. 11373-22
$ 204.00

Moria MC31/B

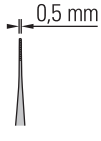


Smooth
Blunt

10 cm
Tip width: 0.5 mm

No. 11373-12
$ 214.00

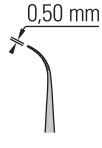
Moria MC32



Microserrated

No. 11370-32
$ 216.00

Moria MC31



Microserrated

No. 11370-31
$ 226.00

Moria Bonn Forceps

NEW ITEM

·TITANIUM·

11383-56
For more information
see page 211.



Moria 7835

0,3 mm



Straight
1x2 teeth and tying platform

7.5 cm
Tip width: 0.3 mm
Tying platform: 4 mm
Stainless Steel

No. 11383-50
$ 350.00

Moria TI7835

0,3 mm



Straight
1x2 teeth and tying platform

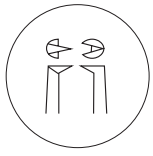
7.5 cm
Tip width: 0.3 mm
Tying platform: 4 mm
Titanium

No. 11383-56
$ 360.00

Moria Paufique Forceps

NEW ITEM





20x magnification

Moria 3225

0,12 mm



Straight
1x2 teeth with tying platform

8.5 cm
Tip width: 0.12 mm
Tying platform: 5 mm

No. 11390-25
$ 185.00

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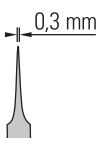
Fine Forceps

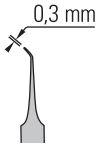




Straight

11 cm
0.3 x 0.25 mm

No. 00108-11
$ 227.00



Angled 45°

11 cm
0.3 x 0.25 mm

No. 00109-11
$ 251.00

SuperGrip Forceps

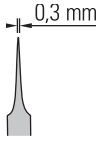
The tips are processed with MicroCrystals®, a method developed by S&T® to infuse tungsten carbide on stainless steel. The formation of this ultra-fine coating guarantees atraumatic handling of tissue while improving the grip dramatically. The recommended use is where forceps are utilized as needle holders or when slippery tissues might be encountered.





300%

The gripping surface is similar to a match head.



Straight

11 cm
0.3 x 0.25 mm

No. 00632-11
$ 266.00



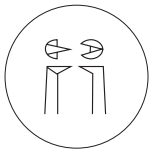
Angled 45°

11 cm
0.3 x 0.25 mm

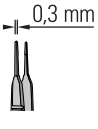
No. 00649-11
$ 307.50

Bonn





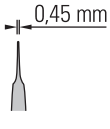
20x magnification



Smooth

7 cm
Tip width: 0.3 mm
Tying Platform: 5 mm

No. 11083-07
$ 282.50



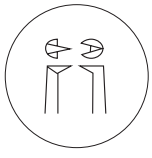
1x2 teeth

7 cm
Tip width: 0.45 mm
Teeth width: 0.1 mm

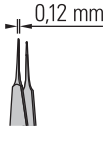
No. 11084-07
$ 319.00

Mirror Finish Bonn Forceps





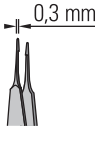
20x magnification



Straight
1x2 teeth

10.5 cm
Tip width: 0.12 mm
Tying Platform: 5 mm
Partly polished

No. 11090-10
$ 185.50



Straight

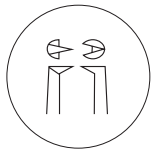
10.5 cm
Tip diameter: 0.3 mm
Tying Platform: 5 mm
Partly polished

No. 11093-10
$ 142.00

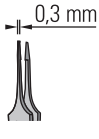
Mirror Finish Suture Tying Forceps with Teeth

A unique tip style fusing a suture tying platform and a 1x2 teeth tip for tissue manipulation.





20x magnification



Straight

9 cm
Tip width: 0.3 mm
Platform with 1x2 teeth

No. 11090-09
$ 265.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Moria Suture Tying Forceps

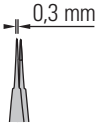
Used to suture after surgery is complete. This requires the manipulation of a calibrated nylon thread and the use of a specific instrument: a tying forceps, straight or curved, without teeth.

Moria

NEW ITEM



Moria 9604

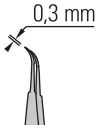


Straight
Smooth

9.5 cm
Tip diameter: 0.3 mm
Tying Platform: 8 mm

No. 11393-04
$ 190.00

Moria 9605



Curved
Smooth

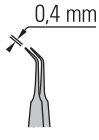
9.5 cm
Tip diameter: 0.3 mm
Tying Platform: 7.5 mm

No. 11393-05
$ 195.00

McPherson Forceps

MOST POPULAR





Angled 45°
Smooth

9 cm
Tip width: 0.4 mm
Tying Platform: 6 mm

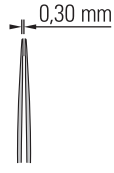
No. 11063-07
$ 172.50

Suture Tying Forceps

The platform tips close flat. This ensures a reliable grip on sutures.

S&T®





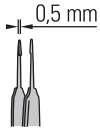
13.5 cm
Tip diameter: 0.3 mm
Tying platform: 6 mm

No. 00272-13
$ 258.00

Suture Tying Forceps

The platform tips close flat. This ensures a reliable grip on sutures.





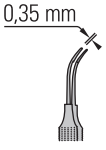
10 cm
Tip diameter: 0.5 mm
Tying platform: 5 mm

No. 18025-10
$ 163.50

Round Handled Suture Tying Forceps

Round handles allow easy fingertip adjustments.





10.5 cm
Tip diameter: 0.35 mm
Tying platform: 5.5 mm

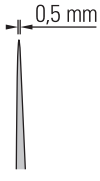
No. 18026-10
$ 259.50

Vial Forceps

Tips taper for 6 cm allowing easy access to specimens in vials.







15 cm
Tip diameter: 0.5 mm

No. 11006-15
$ 131.50

Vitro Grasping Forceps





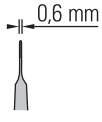
14 cm
Serrated
Tip diameter: 0.7 mm

No. 11900-14
$ 734.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Graefe Forceps

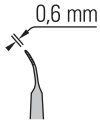




Straight
Serrated

7 cm
Tip width: 0.6 mm

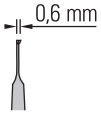
No. 11064-07
$ 78.50



Curved
Serrated

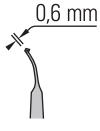
7 cm
Tip width: 0.6 mm

No. 11065-07
$ 85.50



Straight
1x2 teeth

No. 11066-07
$ 93.50



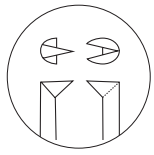
Curved
1x2 teeth

No. 11067-07
$ 102.00

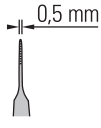
Bishop-Harman

Extra light, fenestrated handles ensure a good grip.





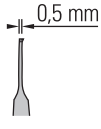
10x magnification



Serrated

8.5 cm
Tip width: 0.5 mm

No. 11069-08
$ 150.50



1x2 teeth

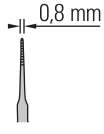
8.5 cm
Tip width: 0.5 mm

No. 11070-08
$ 178.50

Octagon Forceps

The octagon shaped grip provides a particularly secure finger hold.

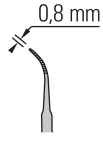




Straight
Serrated

9.5 cm
Tip width: 0.8 mm

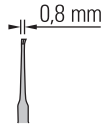
No. 11040-08
$ 152.50



Curved
Serrated

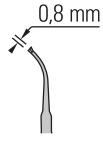
9.5 cm
Tip width: 0.8 mm

No. 11041-08
$ 164.00



Straight
1x2 teeth

No. 11042-08
$ 165.50



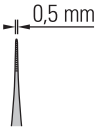
Curved
1x2 teeth

No. 11043-08
$ 171.50

Extra Fine Graefe Forceps



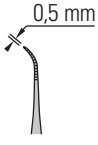
80% of
actual size



Serrated

10 cm
Tip width: 0.5 mm

No. 11150-10
$ 79.00



Serrated

10 cm
Tip width: 0.5 mm

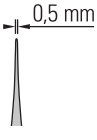
No. 11151-10
$ 84.50



Serrated

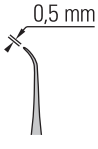
10 cm
Tip width: 0.5 mm

No. 11152-10
$ 85.50



Smooth

No. 11158-10
$ 72.00



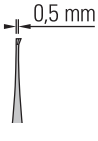
Smooth

No. 11159-10
$ 76.00



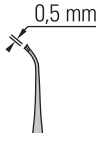
Smooth

No. 11160-10
$ 77.50



1x2 teeth

No. 11153-10
$ 90.50



1x2 teeth

No. 11154-10
$ 97.00



1x2 teeth

No. 11155-10
$ 98.00

Graefe Forceps

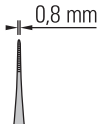
MOST POPULAR

11051-10
11054-10

·TITANIUM·

11650-10 – 11652-10
For more information
see page 211.

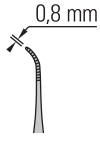




Serrated

Tip width: 0.8 mm

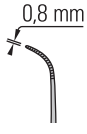
No. 11050-10
$ 60.50



Serrated

Tip width: 0.8 mm

No. 11051-10
$ 67.00



Serrated

Tip width: 0.8 mm

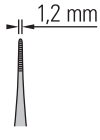
No. 11052-10
$ 66.00



Serrated

Tip width: 0.8 mm

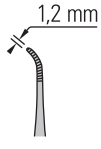
No. 11049-10
$ 68.50



Titanium

Tip width: 1.2 mm

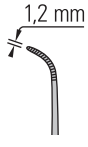
No. 11650-10
$ 150.50



Titanium

Tip width: 1.2 mm

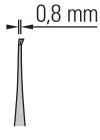
No. 11651-10
$ 157.50



Titanium

Tip width: 1.2 mm

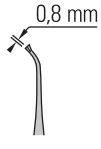
No. 11652-10
$ 160.00



1x2 teeth

Tip width: 0.8 mm

No. 11053-10
$ 76.00



1x2 teeth

Tip width: 0.8 mm

No. 11054-10
$ 81.00



1x2 teeth

Tip width: 0.8 mm

No. 11055-10
$ 82.50

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Sliding Lock Forceps





Smooth

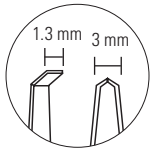
11 cm
Tip width: 1 mm
Slide lock

No. 11062-10
$ 120.00

Episcleral Forceps

The tips of these forceps arch toward each other, closing flat. Exceptional gripping power is possible with minimal damage to tissue. A limit pin prevents excessive applied pressure.





300%



10 cm

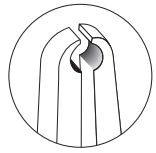
Tip thickness: 0.2 mm
Tip Dimension: 1.3 x 3 mm

No. 11071-10
$ 155.50

Pierse Fixation Forceps

For exceptional gripping power with no damage to sclera, vascular sheath and epineurium.





1800%

Tissue retention hole of 0.3 mm behind tips.



Straight

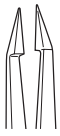
13 cm
Tip Dimension: 0.1 x 0.4 mm

No. 18155-13
$ 165.50

Plastic Forceps

These forceps are non-magnetic, acid resistant and able to withstand temperatures up to 240°C (464°F). Tips do not spread under pressure. Plastic forceps are made of Acetyl and will be sold in packages of 10 pieces.





Sharp
Straight

11.5 cm
0.40 x 0.25 mm

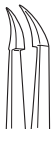
No. 11700-00
$ 26.00



Blunt
Straight

11.5 cm
1.5 x 0.40 mm

No. 11700-03
$ 26.00



Sharp
Curved

11.5 cm
0.30 x 0.20 mm

No. 11700-01
$ 26.00



Blunt
Curved

11.5 cm
1.5 x 0.40 mm

No. 11700-04
$ 26.00



Sharp
Angled 45°

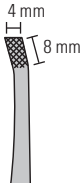
11.5 cm
0.30 x 0.20 mm

No. 11700-02
$ 26.00

Cross Action Forceps

These tissue transport forceps have a gentle action.





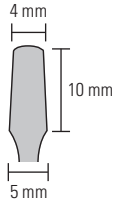
Cross serrated

10 cm
Tip Dimension: 4 x 8 mm

No. 11075-00
$ 68.50

Cover Glass Forceps





Straight

10.5 cm
Tip Dimension:
4 x 5 x 10 mm

No. 11074-02
$ 32.00

Angled

10.5 cm
Tip Dimension:
4 x 5 x 10 mm

No. 11073-10
$ 38.50

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Ring Forceps

For transport of tissue and organs. With limit screw to prevent excessive applied pressure.









8.5 cm
Inner Diameter: 1 mm
Outer Diameter: 1.5 mm
Ring width: 0.5 mm

No. 11101-09
$ 70.00



9 cm
Inner Diameter: 2.2 mm
Outer Diameter: 3 mm
Ring width: 1.3 mm

No. 11103-09
$ 66.00



9 cm
Inner Diameter: 4.8 mm
Outer Diameter: 6 mm
Ring width: 1.5 mm

No. 11106-09
$ 65.00

Circle Forceps

Cupped forceps for atraumatic gripping of organs and tissues.





11.5 cm
Tip diameter: 0.7 mm

No. 11072-11
$ 30.50

Live Insect Handling Forceps

Very delicate.







Narrow

10 cm

No. 26029-10
$ 35.00



Wide

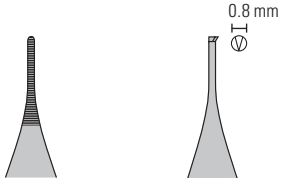
10 cm

No. 26030-10
$ 30.50

Micro-Adson

Our most delicate version of the popular Adson forceps.



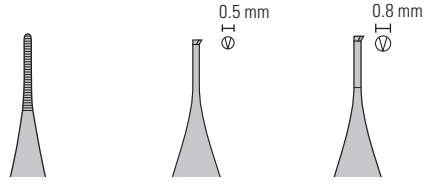


Serrated	1x2 teeth
12 cm Tip width: 0.8 mm	12 cm 0.8 mm
No. 11018-12 $ 59.50	**No. 11019-12** $ 64.00

Micro-Adson with Fenestrated Handle

Our delicate Micro-Adson forceps, with five windows to aid in stability and easy finger adjustments.





Serrated	1x2 teeth	1x2 teeth with 6 mm platform
12 cm 0.8 mm	12 cm 0.5 mm	12 cm 0.8 mm
No. 11020-12 $ 65.00	**No. 11032-12** $ 76.00	**No. 11022-12** $ 63.00

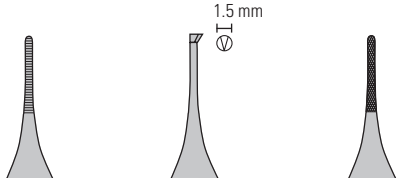
Adson

Wide, strong grip with narrow tips.

MOST POPULAR
11006-12
11027-12

TUNGSTEN CARBIDE
11506-12
For more information see page 211.





Serrated	1x2 teeth	Cross serrated tungsten carbide inlaid tip
12 cm 1.5 mm	12 cm 1.5 mm	12 cm 1.5 mm
No. 11006-12 $ 36.50	**No. 11027-12** $ 39.50	**No. 11506-12** $ 148.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Adson DeBakey





Atraumatic DeBakey Serrations

This tooth pattern, as shown, consists of one row of atraumatic teeth meshed with two opposite rows of atraumatic teeth.

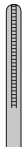
These two forceps are ideal for gentle, atraumatic gripping of vessels, tissue and other delicate structures.



DeBakey serrations

12.5 cm
Tip width: 1.5 mm

No. 11617-12
$ 158.50



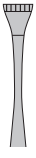
DeBakey serrations

15 cm
Tip width: 1.5 mm

No. 11616-15
$ 164.00

Adson-Graefe





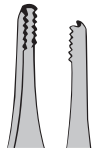
Fine sharp teeth

12.5 cm
Tip width: 4.5 mm

No. 11030-12
$ 133.50

Adson-Brown





Shark teeth

12 cm
Tip width: 1.4 mm

No. 11627-12
$ 75.50

Standard Pattern

Broad pattern with strong spring action.





Straight
Serrated

Tip width (mm)	Length (cm)	Item	Price
2.5	12	**No. 11000-12**	$ 22.00
2.8	13	**No. 11000-13**	$ 24.50
3.25	14.5	**No. 11000-14**	$ 27.50
3.3	16	**No. 11000-16**	$ 30.50
3.7	18	**No. 11000-18**	$ 34.00
3.75	20	**No. 11000-20**	$ 36.50
3.9	25	**No. 11000-25**	$ 42.00
4	30	**No. 11000-30**	$ 48.50



Curved
Serrated

Tip width (mm)	Length (cm)	Item	Price
2.5	12	**No. 11001-12**	$ 29.00
2.8	13	**No. 11001-13**	$ 32.50
3.25	14.5	**No. 11001-14**	$ 35.00
3.3	16	**No. 11001-16**	$ 35.00
3.7	18	**No. 11001-18**	$ 37.50
3.75	20	**No. 11001-20**	$ 41.00

Narrow Pattern

Lighter spring action than standard pattern for grasping more delicate tissue.

·TITANIUM·

11602-14
For more information see page 211.





Straight
Serrated

Tip width (mm)	Length (cm)	Item	Price
2	12	**No. 11002-12**	$ 27.50
2.15	13	**No. 11002-13**	$ 30.50
2.25	14.5	**No. 11002-14**	$ 33.50
2.25	14.5	**No. 11602-14**	$ 105.00
2.35	16	**No. 11002-16**	$ 36.50
2.4	18	**No. 11002-18**	$ 42.00
2.75	20	**No. 11002-20**	$ 43.50
3.2	25	**No. 11002-25**	$ 46.50



Curved
Serrated

Tip width (mm)	Length (cm)	Item	Price
2	12	**No. 11003-12**	$ 32.50
2.15	13	**No. 11003-13**	$ 35.50
2.25	14.5	**No. 11003-14**	$ 41.00
2.35	16	**No. 11003-16**	$ 41.50
2.4	18	**No. 11003-18**	$ 44.00
2.75	20	**No. 11003-20**	$ 46.50

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Semken

Slim pattern with long, narrow shanks and gentle spring action.



·TITANIUM·

11608-15

For more information see page 211.



Straight
Serrated

Tip width (mm)	Length (cm)	Item	Price
1.3	13	**No. 11008-13**	$ 39.50
1.5	15	**No. 11008-15**	$ 43.00
1.5	15	**No. 11608-15**	$ 162.00



Curved
Serrated

Tip width (mm)	Length (cm)	Item	Price
1.3	13	**No. 11009-13**	$ 44.50
1.5	15	**No. 11009-15**	$ 48.00

DeBakey Round Handle Forceps

Ideal for gentle, atraumatic gripping of vessels, tissue and other delicate structures. Two rows of atraumatic teeth interfit with one oppostie row of atraumatic teeth. The round handles allow easy fingertip adjustments.

NEW ITEM





DeBakey serrations

15 cm
Tip width: 1.2 mm

No. 11076-15
$ 225.00

Multipurpose Forceps

Balanced instruments are designed to put the center of gravity between the thumb and index finger. This is accomplished by adding a slight counter weight to the proximal end of the instruments. The design enhances tactile feel, aiding in better control and precision.

The tips of these multipurpose forceps are configured to enable their use as dilators at the front, as well as needle holders and tying forceps further in the back. The platform at the tips close parallel ensuring a reliable grip.



80% of actual size

Straight

14.5 cm
Suture tying platform
Tip diameter: 0.1 mm

No. 18601-15
$ 309.50



80% of actual size

Straight

15 cm
Suture tying platform
Tip diameter: 0.3 mm

No. 18602-15
$ 292.00



80% of actual size

Angled

14.5 cm
Smooth
Tip diameter: 0.2 mm

No. 18603-14
$ 274.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Tissue Forceps



Straight
Narrow 1x2 teeth

10 cm

No. 11023-10
$ 37.00

12 cm

No. 11023-12
$ 35.00



Straight
Narrow 1x2 teeth

14.5 cm

No. 11023-14
$ 39.00

15.5 cm

No. 11023-15
$ 41.00



Straight
Standard 1x2 teeth

12 cm

No. 11021-12
$ 25.50

14.5 cm

No. 11021-14
$ 27.50

15.5 cm

No. 11021-15
$ 29.50

Straight
Standard 2x3 teeth

14.5 cm

No. 11022-14
$ 39.00

15.5 cm

No. 11022-15
$ 41.50

Tissue Forceps

Used with rongeur No. 16021-14 (page 36) in laminectomy to securely hold spinal column.





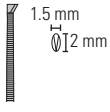
Curved
Narrow 1x2 teeth

14 cm

No. 11029-14
$ 39.50

Gillies





Cross-Serrated
1x2 teeth

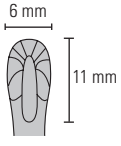
15 cm
Tip Dimension: 1.5 x 2 mm

No. 11028-15
$ 48.00

Russian

Special cupped pattern
for superior grip.





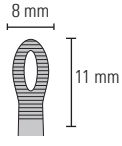
15 cm
Tip Dimension: 6 x 11 mm

No. 11026-15
$ 60.50

Organ Holding Forceps

With limit screw to prevent
excessive applied pressure.





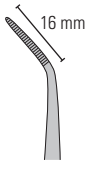
Serrated

14.5 cm
Tip Dimension: 8 x 11 mm

No. 11031-15
$ 139.00

London Forceps





Angled
Serrated

16 cm

No. 11080-02
$ 30.00

Titanium Forceps

·TITANIUM·

For more information
see page 211.





Straight
Serrated

16 cm

No. 11602-16
$ 148.00

Gerald Forceps

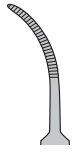




Straight
Serrated

18 cm

No. 11014-18
$ 61.50



Curved
Serrated

18 cm

No. 11015-18
$ 67.50

Taylor Forceps

Serrated and smooth versions available.





Straight
Serrated

17 cm

No. 11010-17
$ 59.50



Straight
Smooth

17 cm

No. 11016-17
$ 51.50



Curved
Smooth

17 cm

No. 11017-17
$ 61.00



Curved
Serrated

17 cm

No. 11011-17
$ 68.00

Potts-Smith Forceps





Straight
Serrated

18 cm

No. 11012-18
$ 56.50

21 cm

No. 11012-21
$ 59.00

25 cm

No. 11012-25
$ 65.00



Curved
Serrated

18 cm

No. 11013-18
$ 61.00

21 cm

No. 11013-21
$ 65.00



Curved
1x2 teeth

18 cm

No. 11025-18
$ 63.00



Straight
1x2 teeth

18 cm

No. 11024-18
$ 59.50

Mouse Handling Forceps

Long handles make picking up small rodents easy and help prevent bites.



21 cm
Forceps with serrated silicone tips
Gripping surface:
15 x 20 mm

No. 11036-20
$ 37.50



Replacement silicone tips
Pkg of 2 tips

No. 11036-90
$ 16.00

Ultra Fine Hemostat





Straight
Smooth

12 cm
Tip width: 0.6 mm

No. 13020-12
$ 96.00

Curved
Smooth

12 cm
Tip width: 0.6 mm

No. 13021-12
$ 101.50

Fine Hemostat





Straight
Smooth

12 cm
Tip width: 1 mm

No. 13006-12
$ 95.00



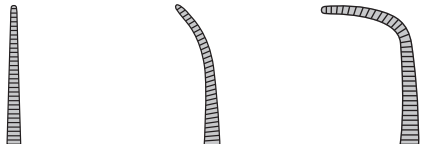
Curved
Smooth

12 cm
Tip width: 1 mm

No. 13007-12
$ 100.00

Micro-Mosquito





Straight
Serrated

12 cm
Tip width: 1.3 mm

No. 13010-12
$ 84.00

Curved
Serrated

12 cm
Tip width: 1.3 mm

No. 13011-12
$ 87.50

Angled 90°
Serrated

12 cm
Tip width: 1.3 mm

No. 13012-12
$ 89.50

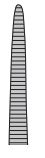
Halsted-Mosquito

LEFT HANDED
13108-12

MOST POPULAR
13008-12

LEFT HANDED
13109-12





Straight
Serrated

12.5 cm
Tip width: 1 mm

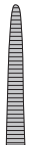
No. 13008-12
$ 50.00



Curved
Serrated

12.5 cm
Tip width: 1 mm

No. 13009-12
$ 54.50



Straight
Serrated

12.5 cm
Tip width: 1 mm
Left handed

No. 13108-12
$ 81.50



Curved
Serrated

12.5 cm
Tip width: 1 mm
Left handed

No. 13109-12
$ 86.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Crile





Straight
Serrated

14 cm
Tip width: 1.5 mm

No. 13004-14
$ 52.00

Curved
Serrated

14 cm
Tip width: 1.5 mm

No. 13005-14
$ 56.00

Kelly

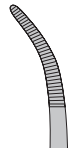




Straight
Serrated

14 cm
Tip width: 1.5 mm

No. 13018-14
$ 49.00



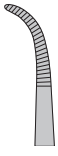
Curved
Serrated

14 cm
Tip width: 1.5 mm

No. 13019-14
$ 54.00

Baby-Mixter





Curved
Serrated

14 cm
Tip width: 1.3 mm

No. 13013-14
$ 78.00

Providence-Hospital

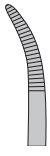




Straight
Serrated

14 cm
Tip width: 1.5 mm

No. 13014-14
$ 57.00



Curved
Serrated

14 cm
Tip width: 1.5 mm

No. 13015-14
$ 61.50

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Hartman

MOST POPULAR

13003-10





Straight
Serrated

10 cm
Tip width: 1 mm

No. 13002-10
$ 55.50

Curved
Serrated

10 cm
Tip width: 1 mm

No. 13003-10
$ 60.50

Backhaus Towel Clamp





9 cm

No. 11095-09
$ 50.00



13 cm

No. 11095-13
$ 55.00

Allis Clamp

Tissue and organ holding forceps.



Allis

4 mm

5x6 teeth

15 cm
Tip width: 4 mm

No. 11091-15
$ 93.00

Allis-Baby

3 mm

4x5 teeth

12 cm
Tip width: 3 mm

No. 11092-12
$ 85.00

Lorna Towel Clamp





Serrated

10 cm
Tip width: 6 mm

No. 11096-10
$ 45.50



Serrated

13 cm
Tip width: 7 mm

No. 11096-13
$ 46.50

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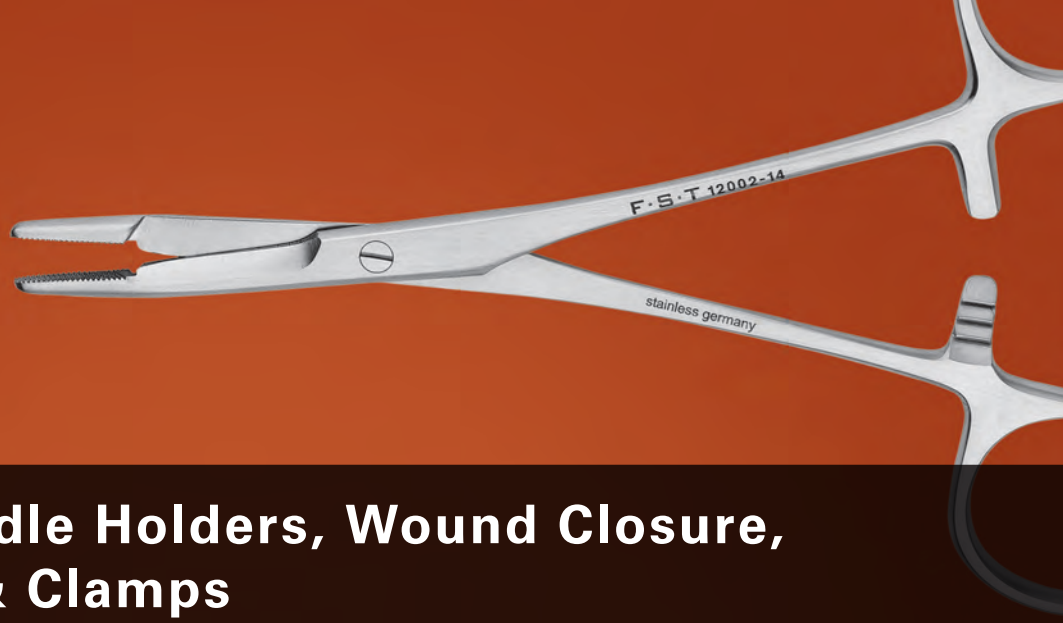
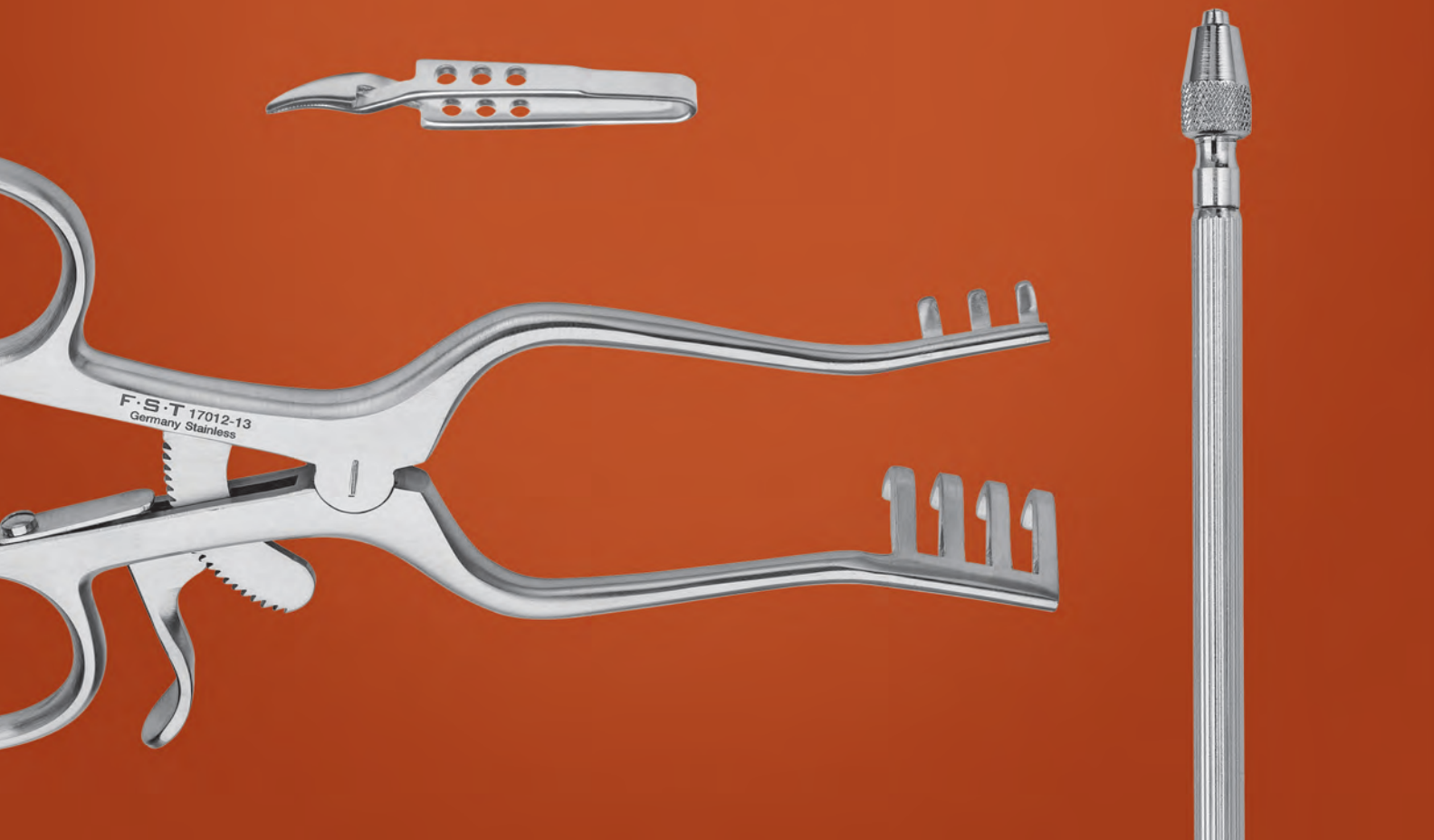


Probes, Needle Holders, Wound Closure, Retractors & Clamps

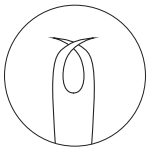
Probes & Hooks	Pages	105 – 109
Spatulae	Pages	108 – 112
Hippocampal Tools	Page	112
Spoons	Page	113
Pins & Holders	Pages	114 – 115
Wound Closure	Pages	116 – 127
Retractors	Pages	128 – 135
Vascular Instruments	Pages	136 – 145



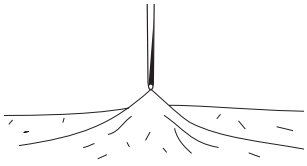
Double Pronged Pick

For peritoneum, pleura, endocardium, organ capsules and skin. Grasps and lifts skin, tissue and dura, etc.

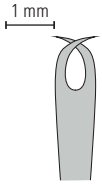




700%



The tip consists of two very sharp, nearly horizontally opposed points. By applying gentle downward pressure and twisting slightly in a clockwise fashion, the points will embed themselves horizontally into fine membranes or skin, etc., so that it may be lifted upward. This instrument also has been used successfully when separating fine tissue from an underlying area that is not to be cut.

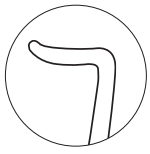


11 cm
Tip diameter: 1 mm

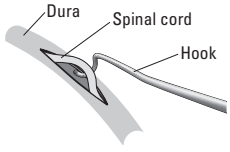
No. 18067-11
$ 122.00

Spinal Cord Hook

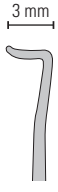




300%



Shaped like a ligation aid and sized to isolate the spinal cord from the dura of adult mice and neonatal rats. The cord can then be cut with minimal damage to the dura.



12 cm
Tip diameter: 3 mm

No. 10162-12
$ 113.50

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Bonn Micro Probes



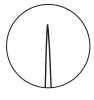


Actual size

Angled 45°

13.5 cm
Tip diameter: 0.025 mm

No. 10032-13
$ 81.50



Actual size

Straight

13.5 cm
Tip diameter: 0.025 mm

No. 10030-13
$ 81.50



Actual size

Large curve

13.5 cm
Tip diameter: 0.038 mm

No. 10033-13
$ 83.00



Actual size

Curved

13.5 cm
Tip diameter: 0.025 mm

No. 10031-13
$ 85.50

Micro Points





300%

Angled 90° short

15.5 cm
Tip diameter: 0.05 mm

No. 10063-15
$ 90.00



300%

Angled 45°

15.5 cm
Tip diameter: 0.038 mm

No. 10066-15
$ 84.50



300%

Angled 90°

15.5 cm
Tip diameter: 0.02 mm

No. 10065-15
$ 88.50

Probes and Explorers

MOST POPULAR

10140-01





Actual size

Short angle

15.5 cm
Tip diameter: 0.12 mm

No. 10140-04
$ 20.50



Actual size

Straight

15.5 cm
Tip diameter: 0.25 mm

No. 10140-01
$ 16.50



Actual size

Long angled

15.5 cm
Tip diameter: 0.15 mm

No. 10140-03
$ 18.00



Actual size

Angled

15.5 cm
Tip diameter: 0.15 mm

No. 10140-02
$ 18.50

Micro Hooks





175%

Short round hook

13 cm
Tip diameter: 0.05 mm

No. 10064-14
$ 90.00



175%

Blunt hook

12 cm
Tip diameter: 0.30 mm

No. 10062-12
$ 75.50



175%

Sharp hook

12 cm
Tip diameter: 0.075 mm

No. 10061-12
$ 75.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Titanium Micro Point, Y-Hook, and Spatula

These instruments are lightweight, color coded for easy identification, have an ergonomic design and a non-reflective surface.

·TITANIUM·

For more information see page 211.



650%

Micro Point



Angled 45°

12.5 cm
Tip diameter: 0.4 mm

No. 10165-11
$ 125.00

·TITANIUM·

For more information see page 211.



700%

Y-Hook



Angled 45°

12.5 cm
Tip width: 0.5 mm

No. 10166-11
$ 118.50

·TITANIUM·

For more information see page 211.



700%

Micro Spatula



Angled 30°

12.5 cm
Tip width: 0.6 mm
Tip thickness: 0.25 mm

No. 10167-11
$ 106.00

Vessel Dilating Probe





Angled 45°

12.5 cm
Tip diameter: 0.6 mm

No. 10160-13
$ 181.00

Gross Anatomy Probe

MOST POPULAR



Angled 45°

15 cm
Tip diameter: 1.2 mm

No. 10088-15
$ 19.00

Combination Probe and Spatula



14 cm
Spatula dimension: 13 x 7 x 0.6 mm
Tip diameter: 0.1 mm

No. 10090-13
$ 155.50

Combination Spoon and Spatula



17.5 cm
Spatula dimension: 30 x 7 mm
Spoon diameter: 7 mm

No. 10090-17
$ 152.50

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Micro Spatula





Straight

11 cm
Tip width: 1 mm
Tip thickness: 0.25 mm

No. 10089-11
$ 107.00

Mirror Finish Micro Spatula

Mirror finished to provide a non-stick spatula.





Slightly curved

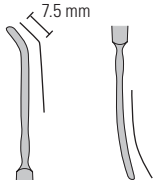
12 cm
Tip width: 0.8 mm
Tip thickness: 0.25 mm

No. 10087-12
$ 157.00

Double-Ended Micro Spatula

MOST POPULAR





Angled

13 cm
Tip width: 2 mm
Tip thickness: 0.3 mm

No. 10091-12
$ 169.00

Iris Spatulae





Straight

13 cm
Tip width: 3 mm
Tip thickness: 0.4 mm

No. 10094-13
$ 99.50



Slightly curved

13 cm
Tip width: 1.7 mm
Tip thickness: 0.3 mm

No. 10093-13
$ 100.50



Curved

12 cm
Tip width: 1.8 mm
Tip thickness: 0.3 mm

No. 10092-12
$ 103.00

Micro Spatula Kit

Kit with 4 pieces



150% of
actual size

Black



Straight

6 cm
Tip width: 0.2 mm

No. 10098-06
$ 26.00

Blue



Straight

6 cm
Tip width: 0.3 mm

Green



Straight

6 cm
Tip width: 0.5 mm

Red



Straight

6 cm
Tip width: 0.7 mm

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Mini Hippocampal Dissecting Tool

The instrument ends are malleable to allow you to adjust their shape to the correct angle for optimal positioning.



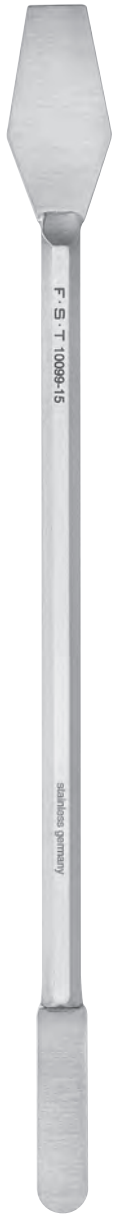


14.5 cm
Spatula dimension: 20 x 6 mm & 13 x 3 mm
Tip thickness: 0.5 mm

No. 10099-12
$ 195.50

Hippocampal Dissecting Tool

The instrument ends are malleable to allow you to adjust their shape to the correct angle for optimal positioning.





16 cm
Spatula dimension: 27 x 14 mm & 27 x 6 mm
Tip thickness: 0.5 mm

No. 10099-15
$ 98.00

Spoon





Moria 1121B

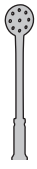
12.5 cm
Diameter: 8 mm
Depth: 2 mm

No. 10321-08
$ 240.50

Mini Perforated Spoon

Most commonly used to take embryos out of solution and handling very small organs.





Moria MC 17C

10 cm
Diameter: 8 mm
Depth: 1 mm

Perforations: 0.8 mm in diameter

No. 10370-19
$ 214.00

Perforated Spoon

Most commonly used to take embryos out of solution and handling very small organs.

MOST POPULAR



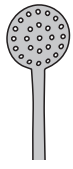


Moria MC 17 BIS

14.5 cm
Diameter: 15 mm
Depth: 3 mm

Perforations: 0.9 mm in diameter

No. 10370-18
$ 254.00



Moria MC 17

14.5 cm
Diameter: 20 mm
Depth: 5 mm

Perforations: 0.9 mm in diameter

No. 10370-17
$ 229.00

Mirror Finish Cutting Spoon

Non stick cutting spoon.





13 cm
Diameter: 4.5 mm
Depth: 0.15 mm

No. 10360-13
$ 130.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Pin Holder

Light weight

MOST POPULAR

90% of actual size



17 cm
Nickel-plated chuck
Aluminum handle
Jaw opening: 0–1 mm

No. 26018-17
$ 26.00

Pin Holder

MOST POPULAR

Moria



Moria MC1

12 cm
Nickel-plated
Jaw opening: 0–1 mm

No. 26016-12
$ 46.00

Insert Pins

All insert pins fit any of our pin holders.
Pins are antimagnetic and acid resistant.



Lancet

5 cm
Stainless steel

No. 26007-01
$ 5.50

Straight

5 cm
Stainless steel

No. 26007-02
$ 5.50



Curved

5 cm
Stainless steel

No. 26007-03
$ 5.50



Lancet half

5 cm
Stainless steel

No. 26007-04
$ 5.50



Spatula

5 cm
Stainless steel

No. 26007-05
$ 5.50

Black Anodized Minutien Pins

These high quality pins are black for best visibility under high magnification and bright light.

Tip diameter: 0.0175 mm
Rod diameter: 0.15 mm
12 mm

Box of 500 pins
No. 26002-15
$ 34.00

MOST POPULAR



Stainless Steel Minutien Pins

NEW ITEM

The thinnest and finest pins available.

Tip diameter: 0.0125 mm
Rod diameter: 0.1 mm
12 mm

Box of 500 pins
No. 26002-10
$ 32.00

MOST POPULAR

Tip diameter: 0.0175 mm
Rod diameter: 0.15 mm
12 mm

Box of 500 pins
No. 26003-15
$ 32.00

MOST POPULAR

Tip diameter: 0.02 mm
Rod diameter: 0.2 mm
12 mm

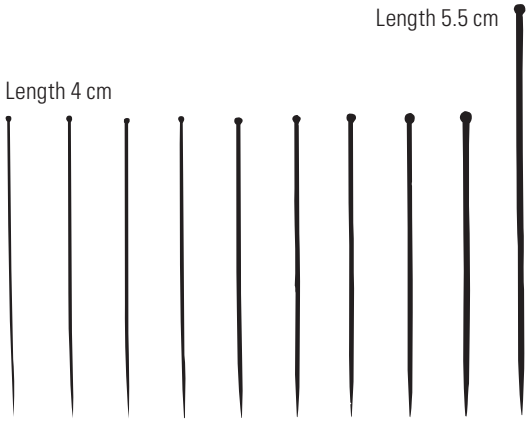
Box of 500 pins
No. 26002-20
$ 32.00

MOST POPULAR

Black Anodized Insect Pins

Nylon heads
Tip diameter: 0.03 mm

Pkg. of 100 pins
$ 9.00



Size	000	00	0	1	2	3	4	5	6	7
Rod diameter (mm)	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70
No. 26000	**-25**	**-30**	**-35**	**-40**	**-45**	**-50**	**-55**	**-60**	**-65**	**-70**

Stainless Steel Insect Pins

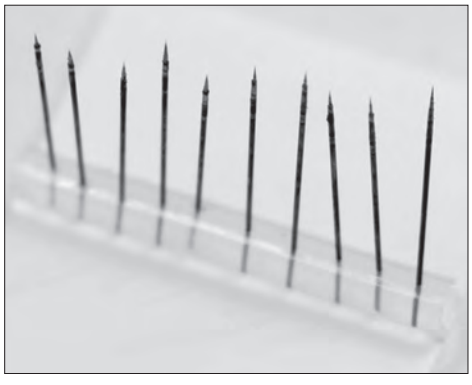
Nylon heads
Tip diameter: 0.03 mm

Pkg. of 100 pins
$ 10.50

Size	000	00	0	1	2	3	4	5	6	7
Rod diameter (mm)	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70
No. 26001	**-25**	**-30**	**-35**	**-40**	**-45**	**-50**	**-55**	**-60**	**-65**	**-70**

Etched Tungsten Micro Needles

These tungsten micro needles are drawn to a 1 micron tip and three different rod diameters are offered. Each provides lateral stability as well as minimal spring action during manipulation. The micro needles can be used with our pin holders shown on page 114.



Tip diameter: 1 µm (0.001 mm)
12 mm

Box of 10 needles

Rod diameter (mm)	Item	Price
0.125	**No. 10130-05**	$ 97.50
0.25	**No. 10130-10**	$ 97.50
0.5	**No. 10130-20**	$ 97.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Castroviejo

Micro pattern, with slightly blunted tips.





Straight

9 cm

With lock
No. 12060-01
$ 369.50

Without lock
No. 12060-02
$ 347.50



Curved

9 cm

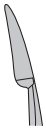
With lock
No. 12061-01
$ 384.00

Without lock
No. 12061-02
$ 364.50

Round Handled Needle Holder with Suture Cutter

Round handles allow easy fingertip adjustments.





Curved
Cutting edge: 3.5 mm

14 cm

Without lock
No. 12075-14
$ 643.00

Round Handled Needle Holder

Round handles allow easy fingertip adjustments.





Straight

12.5 cm

With lock
No. 12075-12
$ 387.50

Without lock
No. 12076-12
$ 339.00



Curved

12.5 cm

Without lock
No. 12074-12
$ 279.50

Cautionary note: Never use a micro needle holder with needles that are too thick, as this can easily damage the fine jaws. Use only micro needles of less than 0.2 mm diameter (see page 122).

Mathieu

Extra slim and narrow profile, with squeeze-lock.
Facilitates excellent wrist motion for suturing.

TUNGSTEN CARBIDE

For more information see page 211.





14 cm

With lock
No. 12010-14
$ 150.00



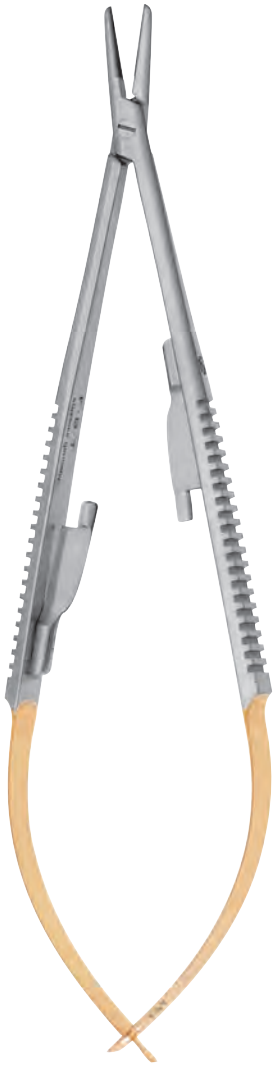
With tungsten carbide jaws
14 cm

With lock
No. 12510-14
$ 240.00

Castroviejo with Tungsten Carbide Jaws

TUNGSTEN CARBIDE

For more information see page 211.





With tungsten carbide jaws
14 cm

With lock
No. 12565-14
$ 398.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Halsey

MOST POPULAR

TUNGSTEN CARBIDE

For more information see page 211.





13 cm
Smooth
With lock

No. 12001-13
$ 72.50



13 cm
With tungsten carbide jaws
With lock

No. 12501-13
$ 183.00

Halsey with Tungsten Carbide Jaws

TUNGSTEN CARBIDE

For more information see page 211.





12.5 cm
With tungsten carbide jaws
With lock

No. 12500-12
$ 216.50

Olsen-Hegar with Suture Cutter

MOST POPULAR

LEFT HANDED

12102-12





12 cm
10 mm cutting edge
With lock

No. 12002-12
$ 160.50

No. 12102-12
$ 179.50

14 cm
15 mm cutting edge
With lock

No. 12002-14
$ 167.00

Olsen-Hegar with Suture Cutter and Tungsten Carbide Jaws

TUNGSTEN CARBIDE

For more information see page 211.

LEFT HANDED

12512-12





12 cm
With tungsten carbide jaws
10 mm cutting edge
With lock

No. 12502-12
$ 232.00

No. 12512-12
$ 258.00

14 cm
With tungsten carbide jaws
15 mm cutting edge
With lock

No. 12502-14
$ 242.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Crile-Wood

TUNGSTEN CARBIDE

For more information see page 211.

LEFT HANDED

12504-15



15 cm
With lock

No. 12003-15
$ 78.50

15 cm
With tungsten carbide jaws
With lock

No. 12503-15
$ 176.00

No. 12504-15
$ 202.00

Mayo-Hegar



16 cm
With lock

No. 12004-16
$ 86.50

18 cm
With lock

No. 12004-18
$ 92.50

Slim Elongated Needle Holder with Tungsten Carbide Jaws

TUNGSTEN CARBIDE

For more information see page 211.





15 cm
With tungsten carbide jaws
With lock

No. 12005-15
$ 243.50

Ryder Mini-Select Needle Holder

This needle holder has been uniquely fashioned with tungsten carbide dust tips, giving the clamping platform an extra secure grip.

TUNGSTEN CARBIDE

For more information see page 211.





15 cm
With tungsten carbide dust tips
With lock

No. 12505-15
$ 351.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Microsurgical Needles with Suture Thread Attached

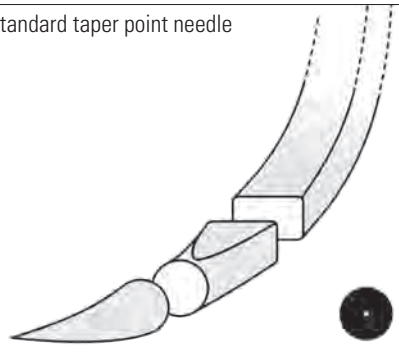
The combination of proprietary needle design technology and state-of-the-art manufacturing techniques has enabled S&T to provide a microsurgical needle that is unmatched in the industry. S&T microsurgical needles provide frictionless tissue penetration. They are inspected under the microscope at critical stages during the manufacturing process, and a multi-point final inspection of each suture and needle combination ensures a high quality product. The suture-to-needle attachment is tested to higher standards than the USP specifications.

Features:

- Needle and thread combination comprising of non-absorbable black nylon polyamide monofilament thread and stainless steel 3/8 circle needle. Nylon is suitable for closing ophthalmic, neurological and microvascular wounds.
- 3/8 circle precision taper point. Stainless steel needle honed under microscope by hand. Superfine round tip with flattened body to improve stability in needle holder.
  Easy penetration. Precise stitch placement.
- Grinding geometry and suture needle attachment are directed toward frictionless tissue penetration.
- Each needle suture combination is individually packed and sealed in a peel-open blister pack.

Sterile
Pkg. of 12 disposable units

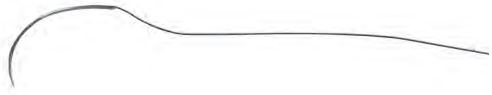
Standard taper point needle



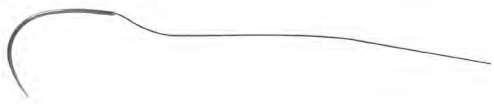


400% of actual size

No. 12051-11



No. 12051-10



No. 12051-08



S&T®

Suture size	Suture length (cm)	Needle diameter (micron)	Needle diameter (mm)	Needle chord length (mm)	Circle	Arch (mm)	Item	Price
11/0	10	50	0.05	3	3/8	3.8	**No. 12051-11**	$ 498.00
10/0	10	70	0.07	3	3/8	3.8	**No. 12051-10**	$ 350.00
8/0	15	140	0.14	5	3/8	6.4	**No. 12051-08**	$ 212.00

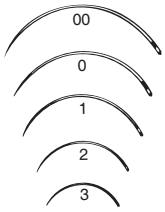
F · S · T
Fine Science Tools

Suture size	Suture length (cm)	Needle diameter (micron)	Needle diameter (mm)	Needle chord length (mm)	Circle	Arch (mm)	Item	Price
11/0	10	50	0.05	3.8	3/8	3.8	**No. 12052-11**	$ 220.00
10/0	10	70	0.07	3.8	3/8	3.8	**No. 12052-10**	$ 169.00
9/0	15	100	0.1	5	3/8	5.1	**No. 12052-09**	$ 107.00
8/0	15	140	0.14	5	3/8	6.4	**No. 12052-08**	$ 80.50

Suture Needles

Polished stainless steel
3/8 curved
Round with standard eye
Diameter 0.35 mm
Suitable for sutures up to 0.32 mm diameter
Non-sterile

Pkg. of 12 needles



Size	Item	Price
00	No. 12050-20	$ 27.50
0	No. 12050-10	$ 27.00
1	No. 12050-01	$ 27.50
2	No. 12050-02	$ 27.50
3	No. 12050-03	$ 27.00

Silk Suture

Silk suture has a smooth flow through tissue while maintaining knot security.

Braided silk
Non-sterile
Can be ETO sterilized



Size	Diameter (mm)	Spool length (m)	Item	Price
7/0	0.05	91	No. 18020-70	$ 76.00
6/0	0.08	23	No. 18020-60	$ 33.50
5/0	0.12	23	No. 18020-50	$ 34.00
4/0	0.17	23	No. 18020-40	$ 34.50
3/0	0.22	23	No. 18020-30	$ 35.50
2/0	0.32	23	No. 18020-20	$ 44.00
0	0.37	23	No. 18020-00	$ 46.00
1	0.45	23	No. 18020-01	$ 51.00
2	0.55	23	No. 18020-02	$ 67.00
3	0.65	23	No. 18020-03	$ 58.50

For Suture Tying Forceps, see pages 81, 82 and 83.

Nylon Monofilament Suture

Nylon is known for its uniform diameter flexibility and outstanding consistent knot security.

Nylon monofilament
Non-sterile
Can be ETO sterilized



Size	Diameter (mm)	Spool length (m)	Item	Price
8/0	0.04	91	No. 18030-80	$ 94.50
7/0	0.05	91	No. 18030-70	$ 76.50
6/0	0.07	91	No. 18030-60	$ 88.50
5/0	0.10	91	No. 18030-50	$ 90.50
4/0	0.15	91	No. 18030-40	$ 91.50
3/0	0.20	91	No. 18030-30	$ 93.50

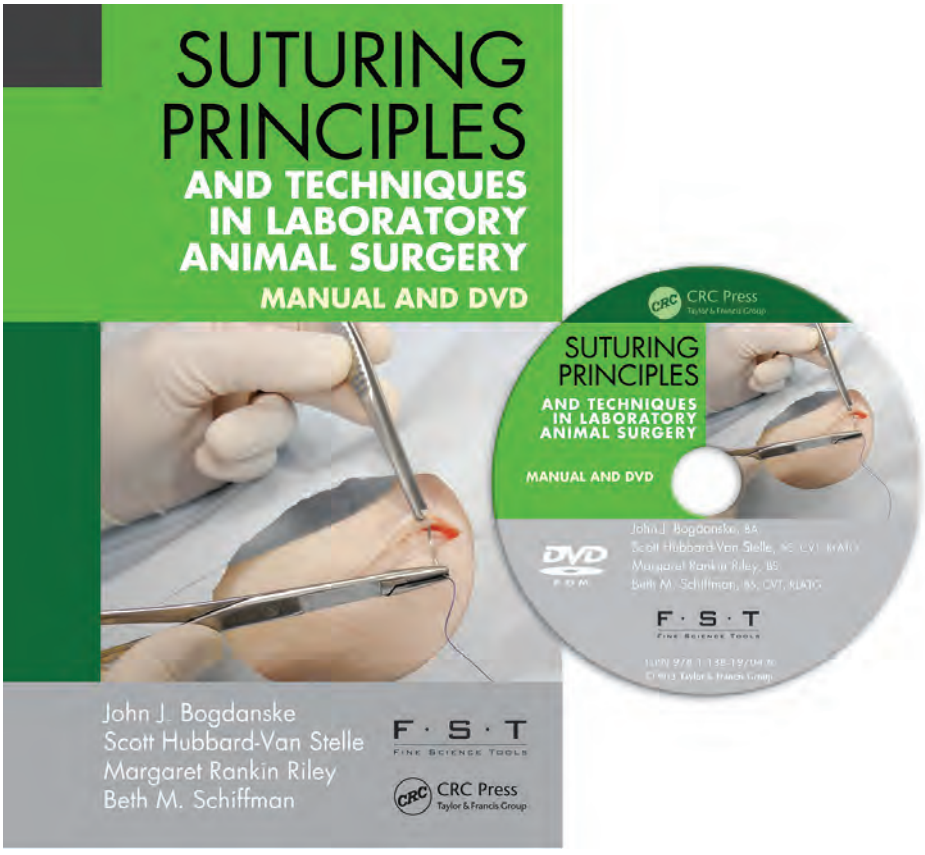
RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Suturing Principles and Techniques in Laboratory Animals

Introduces the basic principles, materials and surgical instruments required for suturing and wound closure used on animals. The manual provides descriptions and pictures portraying proper tissue handling and aseptic technique, correct hand placement and use of surgical instruments, proper needle placement on needle holders, and provides an in-depth explanation of various suture patterns and associated principles for proper knot tying during wound closure.

The DVD provides descriptive narrative and step-by-step video demonstrations for each of the suturing techniques.

Manual and DVD



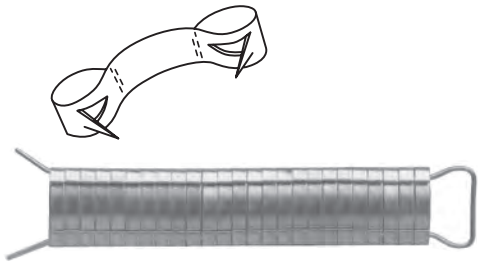
Includes: Fine Science Tools Item Number Reference Page for all surgical instruments used in the manual.

No. 23005-10
$ 76.50

Michel Suture Clips

Anti-magnetic, acid-resistant stainless steel
Pkg. of 1.000 clips

Size (mm)	Item	Price
7.5 x 1.75	No. 12040-01	$ 112.00
11 x 2	No. 12040-02	$ 110.00
12 x 2.5	No. 12040-03	$ 105.50



Applying Forceps



12.5 cm
For clip sizes 12040-02 and 12040-03

No. 12018-12
$ 59.00

Applying and Removing Instruments



Curved

13 cm
For clip sizes 12040-02 and 12040-03

No. 12028-12
$ 115.50

Angled

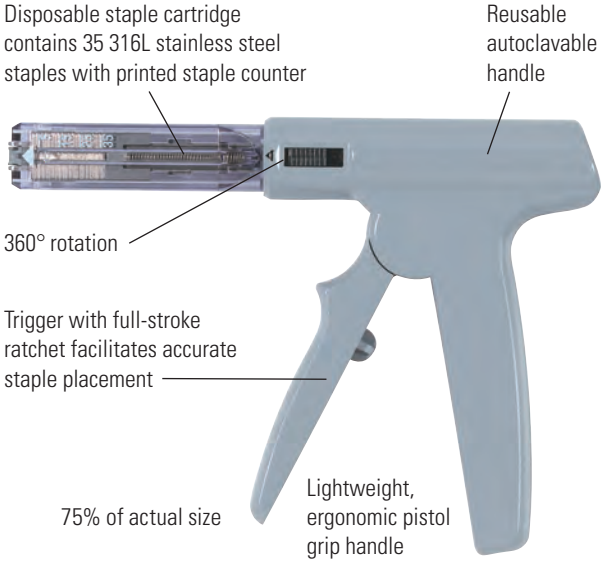
13 cm
For clip size 12040-01

No. 12029-12
$ 158.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Reloadable Skin Stapler with Rotating Head

The 360° degree swivel nose and unique design offers maximum visibility at the delivery point. The stainless steel staples are non-sterile and feature a patented staple design which make for quick and easy removal. The disposable staple cartridge includes a printed staple counter. **The handle is reusable and autoclavable. Staples are non-sterile. Components sold separately or as a kit.**



Surgical staple kit
- 1 Handle
- 1 Remover
- 12 Disposable staple cartridges

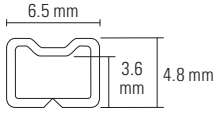
No. 12030-20
$ 209.00

Single disposable cartridge
35 staples per cartridge
No. 12030-22
$ 17.50

12 disposable cartridges
35 staples per cartridge
No. 12030-23
$ 187.50

Handle
No. 12030-01
$ 25.00

Staple Dimensions:



Staple, actual size:



Surgical Staple Remover

Compatible with Reloadable Skin Stapler with Rotating Head and Manipler® Skin Stapler.



75% of actual size

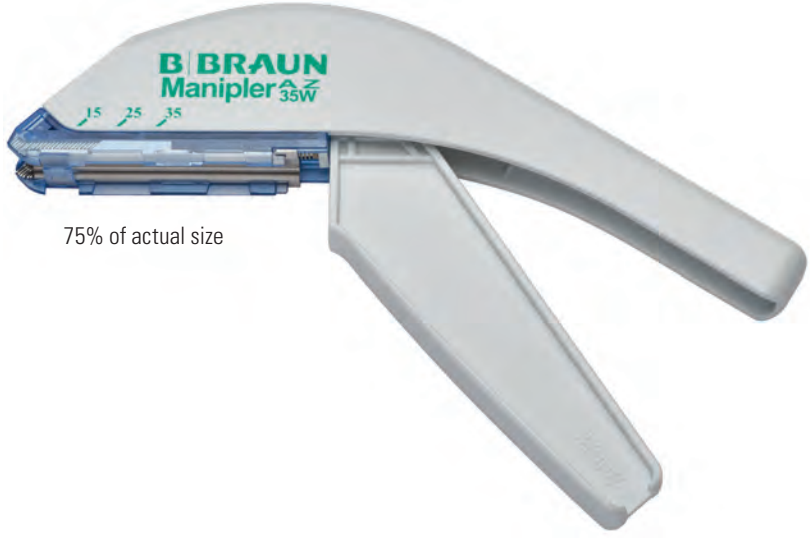
10 cm
No. 12030-04
$ 9.00

Manipler® Skin Stapler

Quality, slim, lightweight design with consistent actuation and staple count indicator. **Disposable, sterile, and not autoclavable.**

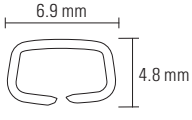
15 cm
35 staples per cartridge
No. 12035-00
$ 17.00

NOT AUTOCLAVABLE



75% of actual size

Staple Dimensions:



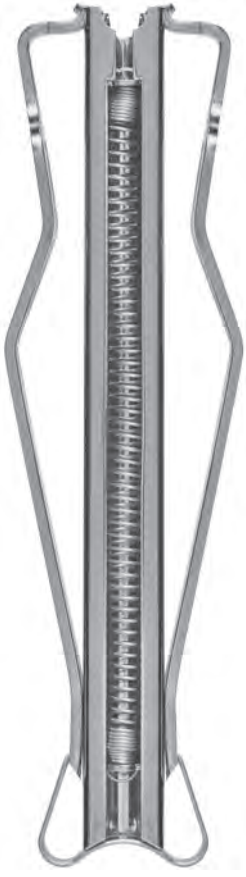
Staple, actual size:



AutoClip® System

The AutoClip® System is a safe, secure method of wound closure. Faster and easier than suture, this system is perfect when staples may be too thin to provide adequate closure. **Non-sterile. Components sold separately or as a kit.** We recommend using wet steam sterilization at 120 – 125°C for at least 30 minutes in an autoclave to sterilize the device.

MOST POPULAR



Applier



Clips



Remover

AutoClip® Kit
- 1 Applier
- 9 mm clips (100)
- 1 Remover
- Storage case

No. 12020-00
$ 325.00

AutoClip® applier
11.5 cm

No. 12020-09
$ 204.00

AutoClip® clips
9 mm
Pkg. of 100 clips

No. 12022-09
$ 29.50

AutoClip® clips
9 mm
Pkg. of 1000 clips

No. 12022-19
$ 251.00

AutoClip® remover
12.5 cm

No. 12023-00
$ 119.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Guthrie

Extra delicate pattern.





13 cm
2 Pronged
Blunt

No. 17021-13
$ 70.00

Fine Retractor





13.5 cm
2 Pronged
Blunt

No. 17023-13
$ 52.00

Blair





13.5 cm
4 Pronged
Blunt

No. 17022-13
$ 72.50

Fomon



80% of
actual size



17 cm
2 Pronged
2 mm Ball at each tip

No. 17020-17
$ 115.00

Slide Retractor with Blades



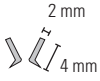


2 cm
Maximum spread: 1 cm
Atraumatic blades

No. 17004-03
$ 169.00

Mini-Goldstein





2 cm
Maximum spread: 0.5 cm
3x3 Sharp teeth

No. 17002-02
$ 178.00

Mini-Colibri





2 cm
Maximum spread: 1 cm

No. 17000-01
$ 45.50

Slide Retractor with Teeth



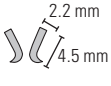


2 cm
Maximum spread: 1 cm
2x2 Blunt teeth

No. 17005-03
$ 169.00

Goldstein





3 cm
Maximum spread: 1.8 cm
3x3 Sharp teeth

No. 17003-03
$ 145.00

Colibri

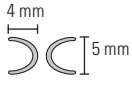
MOST POPULAR
17000-03





3 cm
Maximum spread: 1.5 cm

No. 17000-03
$ 41.50



4 cm
Maximum spread: 1.5 cm

No. 17000-04
$ 41.50

3 cm
Maximum spread: 1.2 cm

No. 17000-02
$ 41.00

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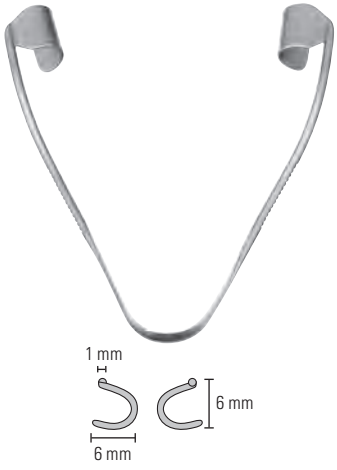
Speculum

Moria



Moria 7699

4.5 cm
Maximum spread: 3.5 cm
Thin, curved blades and grooved finger grips

No. 17370-53
$ 94.00

Fine Adjustable Wire Retractor



5 cm
Maximum spread: 3.5 cm
Thin, curved blades

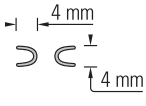
No. 17004-05
$ 206.00

Colibri

Moria

NEW ITEM

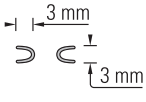




Moria 6346D

3.4 cm
Maximum spread: 1.5 cm

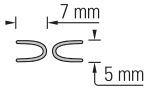
No. 17300-02
$ 47.00



Moria 6346C

3.3 cm
Maximum spread: 1.5 cm

No. 17300-03
$ 46.00



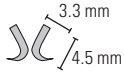
Moria 6346B

3.5 cm
Maximum spread: 2 cm

No. 17300-04
$ 48.00

Agricola



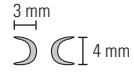


4 cm
Maximum spread: 3.5 cm
3x3 Sharp teeth

No. 17005-04
$ 165.00

Alm Retractor with Wire Teeth





7 cm
Maximum spread: 4 cm
Arms gently curved down

No. 17010-07
$ 165.00

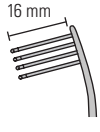
Alm Retractor with Blunt Teeth





7 cm
Maximum spread: 4 cm
Arms gently curved down

Blunt teeth
No. 17008-07
$ 154.00

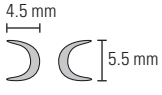


7 cm
Maximum spread: 4 cm
Arms gently curved down

Long blunt teeth
No. 17009-07
$ 171.50

Alm Retractor with Blades





7.5 cm
Maximum spread: 4.5 cm
Arms gently curved down
Thin, curved blades

No. 17009-08
$ 185.00

RESEARCH ONLY
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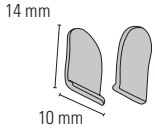
Spring-Loaded Retractor

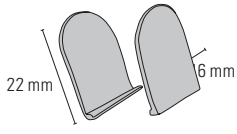
Curved atraumatic blades





5.5 cm
Maximum spread: 3 cm
Blade dimensions: 14 x 10 mm

No. 17006-05
$ 59.50

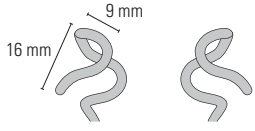


8 cm
Maximum spread: 4 cm
Blade dimensions: 22 x 16 mm

No. 17007-08
$ 60.00

Bowman



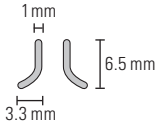


8 cm
Maximum spread: 2.5 cm

No. 17001-07
$ 36.00

Heiss



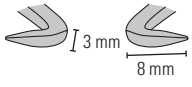


Maximum spread: 2.3 cm
4x4 Blunt teeth
10 cm

No. 17011-10
$ 153.50

Gelpi





Maximum spread: 3 cm
Angled down
1x1 Sharp teeth
10 cm

No. 17017-10
$ 260.00

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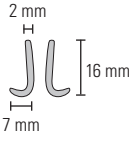
Weitlaner-Locktite





2x3 Blunt teeth

11 cm
Maximum spread: 4.5 cm

No. 17012-11
$ 216.50

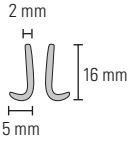
3x4 Blunt teeth

13 cm
Maximum spread: 6.5 cm

No. 17012-13
$ 221.00

Wullstein

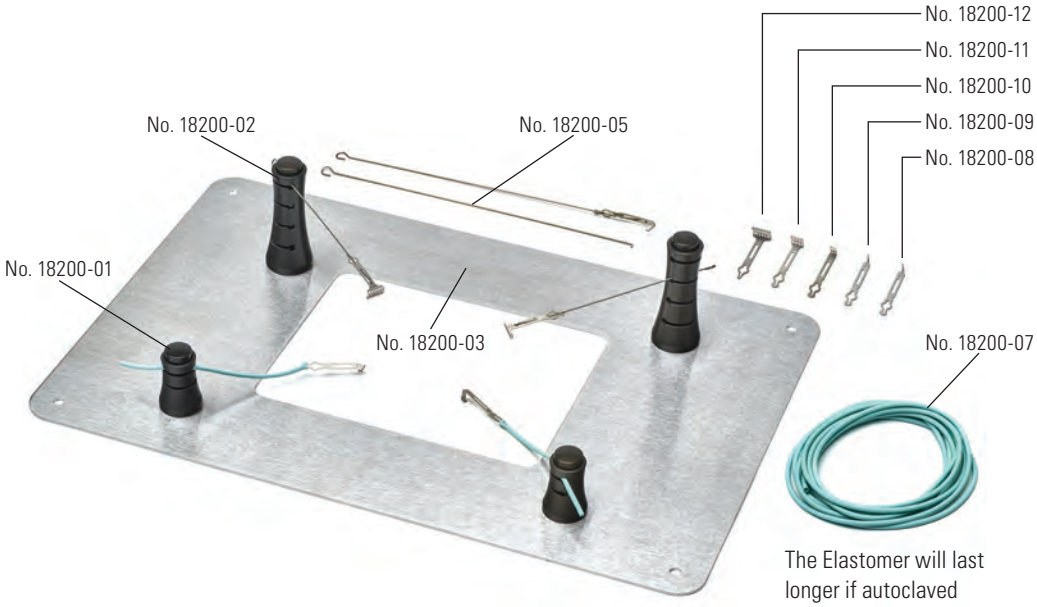




Angled down
3x3 Blunt teeth

11 cm
Maximum spread: 4.5 cm

No. 17018-11
$ 284.00



The Elastomer will last longer if autoclaved separately

Magnetic Fixator Retraction System

This Small Animal Retraction System simplifies set-up procedure and provides the examiner with an excellent overview of the operative site. It consists of three components: Base Plate (Nos. 18200-03 & 18200-04); Fixators (Nos. 18200-01 & 18200-02); and Retractors (Nos. 18200-05 through 18200-12).

The Base Plates are made from magnetic stainless steel and are available in two sizes. The surface is nonreflective and both plates have a window in the center which allows the animal contact with body temperature control systems. The window sizes are 10 x 13 cm for the small base plate and 15 x 25 cm for the large.

The Fixators are movable anchors made from anodized aluminum with a surgical grade rare earth magnet in the base for attachment anywhere on the Base Plate. The magnets do not interfere with lab electronics and can be used in close proximity (3 cm) to ferro-magnetic items. They incorporate pushbutton-activated spring locks that grip either the Wire or Elastomer Retractors.

The Retractors are interchangeable Retractor Tips (Nos. 18200-08 through 18200-12) which attach to either Retractor Wire (Nos. 18200-05 & 18200-06) for static retraction or to Elastomer (No. 18200-07) for dynamic retraction. The Retractor Tips are light and atraumatic to delicate tissue or membrane.

All system components are autoclavable.

Kit for animals up to 200 g
Includes:
- 1 Small base plate (No. 18200-03)
- 2 Short fixators (No. 18200-01)
- 1 Tall fixator (No. 18200-02)
- 1 Elastomer, 2 m roll (No. 18200-07)
- 1 Package of retractors, blunt, 1 mm wide (No. 18200-09)
- 1 Package of retractors, blunt, 2.5 mm wide (No. 18200-10)

No substitutions

No. 18200-20
$ 365.00

Kit for animals from 200 g up to 5 kg
Includes:
- 1 Large base plate (No. 18200-04)
- 2 Short fixators (No. 18200-01)
- 2 Tall fixators (No. 18200-02)
- 1 Elastomer, 2 m roll (No. 18200-07)
- 1 Package of retractors, blunt, 2.5 mm wide (No. 18200-10)
- 1 Package of retractors, blunt, 5 mm wide (No. 18200-11)

No substitutions

No. 18200-50
$ 450.00

Individual parts:

Short fixator, 3 cm high
Each
No. 18200-01
$ 68.00

Tall fixator, 6 cm high
Each
No. 18200-02
$ 80.00

Small base plate, (20 x 30 cm)
Each
No. 18200-03
$ 84.00

Large base plate, (25 x 35 cm)
Each
No. 18200-04
$ 98.50

Wire handles, 10 cm long
Pkg. of 10
No. 18200-05
$ 32.00

Wire handles, 14 cm long
Pkg. of 10
No. 18200-06
$ 35.00

Elastomer, 2 m roll
No. 18200-07
$ 26.50

Sharp retractors, 1 mm wide
Pkg. of 10
No. 18200-08
$ 44.50

Blunt retractors, 1 mm wide
Pkg. of 10
No. 18200-09
$ 44.00

Blunt retractors, 2.5 mm wide
Pkg. of 10
No. 18200-10
$ 44.50

Blunt retractors, 5 mm wide
Pkg. of 10
No. 18200-11
$ 45.00

Blunt retractors, 7.5 mm wide
Pkg. of 10
No. 18200-12
$ 45.50

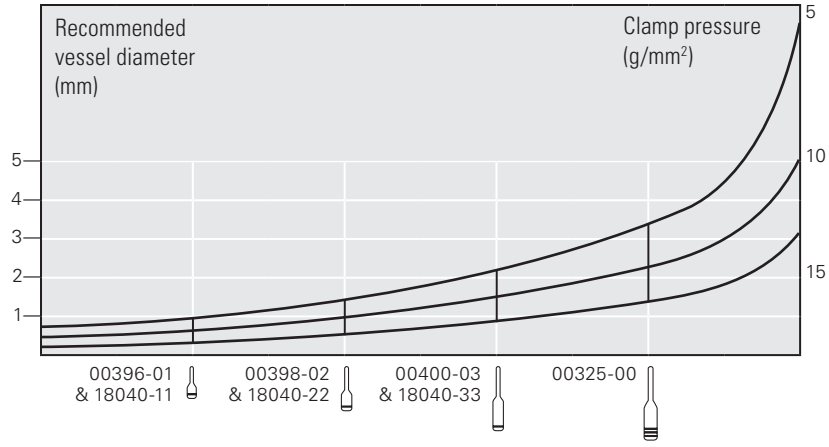
RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

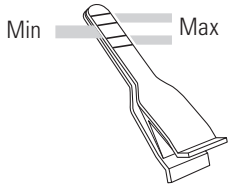
Clamp Size and Clamp Pressure

Clamp pressure is determined by the closing force of the clamp (in grams), divided by the area of the vessel wall that is compressed between the jaws (in square millimeters). Thus, the smaller the vessel, the higher the pressure exerted.

Despite the wide range of closing forces, the pressure exerted by each clamp, big or small, remains consistent throughout the series. Each size of clamp exerts a pressure of 5g/mm^2 when used on the largest vessel in its range, and 15g/mm^2 when used on the smallest vessel. Even at the higher range, S&T's micro clamps have the gentlest working pressure of any small vessel clamp available.

Clamp (ea)	L x W (mm)	Vessel Diameter Range (mm)
00396-01 & 18040-11	3.5 x 1.0	0.4 - 1.0
00398-02 & 18040-22	5.5 x 1.5	0.6 - 1.5
00400-03 & 18040-33	7.5 x 1.75	1.0 - 2.25
00325-00	10 x 2.15	2.0 - 5.0





Clamp pressure

Micro Clamps

S&T®



S&T B-1
No. 00396-01
$ 161.50



S&T B-2
No. 00398-02
$ 149.00



S&T B-3
No. 00400-03
$ 145.00



S&T HD-S
No. 00325-00
$ 256.50

Double Micro Clamps

For vascular approximation at anastomosis. These clamps are mounted on a 10 mm sliding bar and can easily be moved by applying gentle force. The distance between the jaws of the clamps is adjustable from 3 to 16 mm.



No. 18040-11
$ 299.00



No. 18040-22
$ 294.00



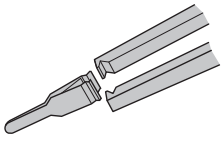
No. 18040-33
$ 289.00

Micro Clamp Applying Forceps

S&T®



14 cm
Only compatible with
S&T Micro Clamps

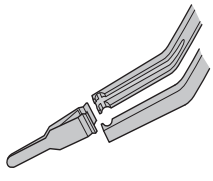


With lock
No. 00071-14
$ 187.50

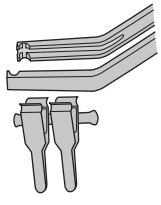
Without lock
No. 00072-14
$ 140.50

Micro Clamp Applying Forceps





14.5 cm
Compatible with S&T
Micro Clamps and
Double Micro Clamps



Without lock
No. 18040-14
$ 142.00

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Micro Clip Applicator with Lock

MOST POPULAR





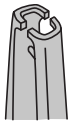
14 cm
For use with our 18055 and 18555 series micro serrefines

With lock
No. 18056-14
$ 344.50

Forceps Style Clip Applicator

This applicator features special U-shaped side supports for improved seating of the clips.





14 cm
For use with our 18055 and 18555 series micro serrefines

Without lock
No. 18057-14
$ 97.00

Stainless Steel Micro Serrefines

Used to obtain a clear surgical field for extended arterial cross-clamping.

MOST POPULAR

Delicate atraumatic serrations
Spring width: 2 mm

$ 75.50



No. 18055-	01	02	03	04
Jaw length (mm)	10	8	6	4
Jaw width (mm)	2	2	1	0.75
Total length (mm)	19	16	15	13
Jaw pressure (g)	60	85	100	125

$ 93.50



No. 18055-	05	06
Jaw length (mm)	6	4
Jaw width (mm)	1	0.75
Total length (mm)	17	16
Jaw pressure (g)	100	125

Titanium Micro Serrefines

·TITANIUM·

For more information see page 211.

Lightweight with strong clamping pressure.

Delicate atraumatic serrations
Spring width: 2 mm

$ 160.00



No. 18555-	01	02	03	04
Jaw length (mm)	10	8	6	4
Jaw width (mm)	2	2	1	0.75
Total length (mm)	19	16	15	13
Jaw pressure (g)	60	85	100	125

Cautionary note: Micro Serrefines should never be compressed with fingers; use only the appropriate applicator No. 18056-14 or No. 18057-14.

Moria

Moria Vessel Clamp

Straight
33 mm
Finely serrated (atraumatic)
Light pressure
For vessels up to 2 mm in diameter
Calibrated to 15g/mm²
Jaw dimensions 13 x 1.6 mm



Moria 201/A

No. 18320-11
$ 53.00

Moria Bulldog Type Clamps

53 mm
Non-serrated
Strong pressure
Jaw dimensions 16 x 2.5 mm



Straight
Moria MC43

No. 18374-43
$ 140.00



Curved
Moria MC44

No. 18374-44
$ 141.50

Bulldog Artery Spring Clamp

Can be used with a minimum of distortion for MRI investigations.

·TITANIUM·

For more information see page 211.

Straight
30 mm
Serrated
Light pressure



No. 18144-30
$ 270.50

Dietrich Bulldog Clamps

Serrated
Good access to deep seated vessels
Closing pressure: 50 g (light)
Weight: 3 g



Straight
52.5 mm

No. 18038-45
$ 203.50



Angled
50 mm

No. 18039-45
$ 216.50

Bulldog Type Serrefines

Serrated

Straight
28 mm
Medium pressure



No. 18050-28
$ 76.00

Curved
28 mm
Medium pressure



No. 18051-28
$ 77.50



Straight
35 mm
Strong pressure

No. 18050-35
$ 62.00

Straight
50 mm
Strong pressure

No. 18050-50
$ 56.50

MOST POPULAR



Curved
35 mm
Strong pressure

No. 18051-35
$ 62.00

Curved
50 mm
Strong pressure

No. 18051-50
$ 56.50

Schwartz Micro Serrefines

Non-serrated
Strong pressure
26 mm

MOST POPULAR

Straight



No. 18052-01
$ 18.00

Light bend



No. 18052-02
$ 19.00

Sharp bend



No. 18052-03
$ 19.00

Biemer Clip

Serrated
Straight
Closing Pressure: 30 g - 40 g (light)

15 mm
Clamping Length: 6 mm

NEW ITEM

No. 18058-15
$ 80.00



18 mm
Clamping Length: 9 mm

No. 18058-18
$ 83.00



Mini Serrefines

28 mm
Smallest bulldog-type hemostatic clamps
Medium pressure
Gentle serrations
2 mm wide

Straight



No. 18054-28
$ 95.50

Curved



No. 18053-28
$ 96.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Horizon™ Metal Ligation System

The Horizon™ System provides surgeons with a strong, secure clip coupled with an efficient, convenient easy-load cartridge system. The preformed chevron shape of the Horizon™ Clip engulfs tissue with precise tip-to-tip closure. Heart-shaped wire is designed to give each clip a firm grip on vessels, while the triangulated cross-section of the clip leg maximizes surface-to-surface contact between clip and jaw, practically eliminating clip fallout.

NEW ITEM



Clips

Horizon™
Ligation Clips

1.98 x 2.87 mm
Pkg. of 6 Clips
Sterile

No. 18070-10
$ 12.50



Remover

Horizon™
Clip Remover

Straight
16.5 cm

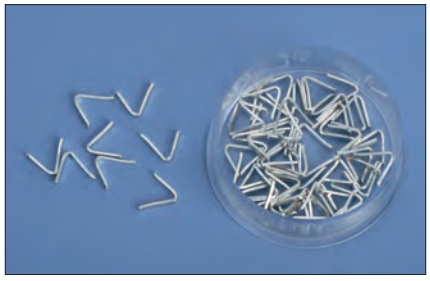
No. 18073-00
$ 399.00

Applicator

Horizon™
Ligation Applicator

Curved
20 cm

No. 18070-00
$ 310.00



Silver Neuro Clips

These single-use, silver neuro clips are meant for permanent vessel occlusion.

Pkg. of 100 clips
No. 18040-00
$ 85.00

Vascular Occluders

Applications

- Fast, dependable zero-flow baseline determination in blood flow studies.
- Partial to full occlusion of vessels for circulation research studies.
- Prolonged implantations, such as chronic blood flow studies.
- Constriction of soft organs in acute or chronic applications.

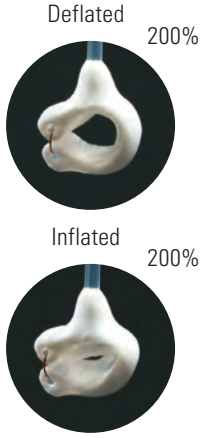
Operation

Step 1 Apply the occluder cuff around the exposed blood vessel. Secure it in place with suture material through the eyelets.

Step 2 Occlude the vessel to the desired degree by inflating the diaphragm with air or liquid injected into the actuating tube using a syringe and blunt needle. Clamp the tubing to maintain occlusion of the vessel over time.

Step 3 To deflate, simply withdraw the air or liquid.





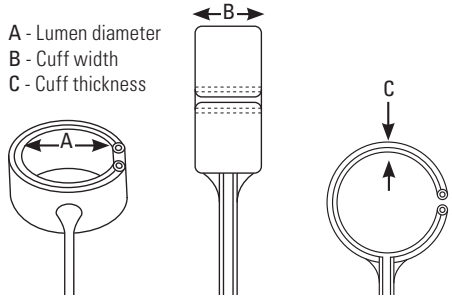
The actuating tube length is 90 cm and measures 0.76 mm ID x 1.6 mm OD. Detailed instructions are included.

Benefits

- Occlusion is accomplished without traction on vessels or surrounding tissues.
- The actuating tube may be exteriorized from the occlusion site for remote actuation.
- Performance during implantations is reliable and consistent.
- Autoclavable or cold sterilized, and easily maintained.
- Made from soft, flexible 100% silicone rubber.
- Fully operational with instant response using air, liquids, or inert gases.

Selection

The lumen diameter when deflated is usually the determining factor in the selection of the proper device. Select the occluder size that provides a slightly loose fit around the subject vessel. The cuff width and thickness will vary, depending on models and sizes.



VO-1.5 N
Lumen diameter: 1.5 mm
Cuff width: <3.5 mm
Cuff thickness: 1.5 mm

No. 18080-01
$ 179.50

VO-2
Lumen diameter: 2 mm
Cuff width: 5 mm
Cuff thickness: 1.5 mm

No. 18080-02
$ 179.00

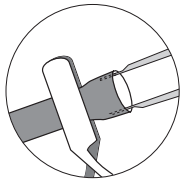
VO-3
Lumen diameter: 3 mm
Cuff width: 5 mm
Cuff thickness: 1.5 mm

No. 18080-03
$ 179.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

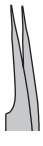
Vessel Dilators

Highly modified forceps with elongated, parallel tips which are highly polished. Designed for controlled intraluminal vessel dilation.



S&T®





Angled 10°

11 cm
Tip diameter: 0.1 mm

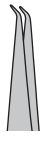
No. 00126-11
$ 346.00

Tip diameter: 0.2 mm

No. 00125-11
$ 330.50

S&T®



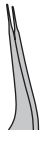


Angled 45°

13.5 cm
Tip diameter: 0.2 mm

No. 00276-13
$ 311.50





Angled 10°

12 cm
Tip diameter: 0.1 mm

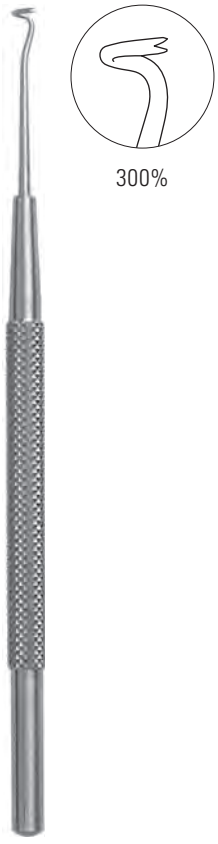
No. 18131-12
$ 224.50

Tip diameter: 0.2 mm

No. 18132-12
$ 222.50

V-Hook

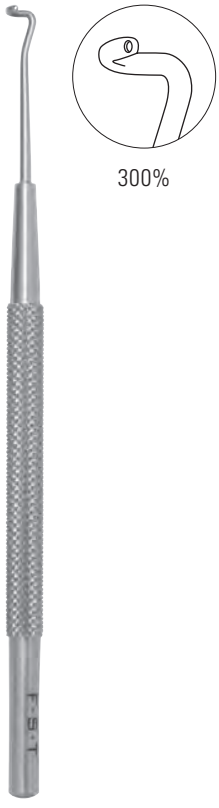
Aids in feeding fine suture around blood vessels, works very similar to ligation aids.



300%

Ligation Aids

A handy instrument for leading a fine suture under and around a blood vessel for tying-off purposes. Also useful for ligating peripheral nerves. Grooves toward hole help threading.



300%

Ultrafine

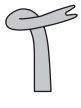
LEFT HANDED

18063-13



200%

200%



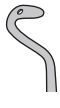
11 cm
Tip diameter: 0.4 x 0.2 mm

No. 18052-12
$ 105.50



10.5 cm
Hole diameter: 0.4 mm

No. 18062-12
$ 142.50



13.5 cm
Hole diameter: 1 mm

No. 18062-13
$ 95.00



13.5 cm
Hole diameter: 1 mm

No. 18063-13
$ 101.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Micro Cannulation System

This micro cannula is most helpful for quick and easy insertion in arteries and veins. It can be used as an "indwelling" catheter during long term experiments. With care, thorough rinsing and sterilization, it can be reused several times. Detailed instructions are included.

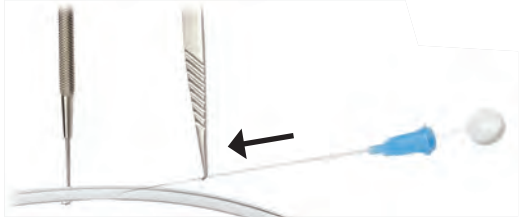


Features

- Biocompatible Teflon® tubing.
- Cannula size 0.33 mm OD – 0.16 mm ID
- A pointed stainless steel stylus (trocar), to aid in vascular penetration and allow a maximum range of cannula manipulation during insertion.
- Contoured tip for easy insertion, fitted with shoulder for "tie-in" to prevent accidental removal.
- Female luer connection for linkage to infusion lines.

MOST POPULAR

1 Approach
Cannulation Forceps (Item No. 18403-11) and Spinal Cord Hook (Item No. 10162-12) aid in the insertion process.



2 Insertion
Remove trocar and advance cannula.



3 Secure
Use shoulder hub and suture to "tie in" cannula to prevent accidental removal.



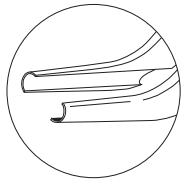
Instruments sold separately.

8 cm
Cannula size 0.33 mm OD - 0.16 mm ID

No. 18000-10
$ 47.00

Vessel Cannulation Forceps

These vessel cannulation forceps are useful whenever a fine plastic tube has to be introduced into a small blood vessel of almost equal size. The hollowed jaws hold the tubing securely without deforming it. The tip of the tubing is directed exactly into the vessel opening without damage to the vessel from unwanted movement.



S&T®

DUMONT SWISSMADE



11 cm
For tubing of 0.35 mm OD

No. 00608-11
$ 280.00

11 cm
For tubing between
0.5 and 1 mm OD

No. 00574-11
$ 261.00



11 cm
For tubing of 0.35 mm OD

No. 11280-11
$ 286.00

11 cm
For tubing of 0.5 mm OD

No. 11281-11
$ 268.00

11 cm
For tubing of 1 mm OD

No. 11282-11
$ 245.00



11.5 cm
For tubing of 0.35 mm OD

No. 18403-11
$ 201.00

11.5 cm
For tubing of 0.6 mm OD

No. 18406-11
$ 193.00

13.5 cm
For tubing of 0.6 mm OD

No. 18406-13
$ 186.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Accessories & Instrument Care

Animal Accessories	Pages	147 – 152
Instrument Care & Accessories	Pages	153 – 166
Surgical Accessories	Pages	167 – 170
Laboratory Accessories	Pages	171 – 183



Reusable Gavage Feeding Needles

Stainless steel feeding needles with luer lock hub. Also ideal for transcardiac perfusions with a fixative.



Barrel tip (No. 18060-20)



Round tip (No. 18061-24)



Round tip (No. 18061-50)

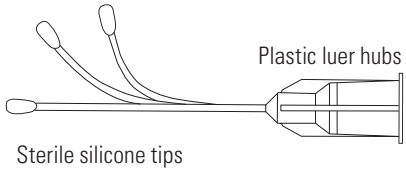
Gauge	Length (mm)	Tip diameter (mm)	Shape	Mice	Rats	Guinea pigs	Item	Price
24	25	1.25	Straight	>14 g			**No. 18061-24**	$ 49.50
22	25	1.25	Straight	15-20 g			**No. 18061-22**	$ 43.50
20	30	Barrel	Straight	20-25 g	50-75 g		**No. 18060-20**	$ 33.50
20	38	2.25	Straight	20-25 g	50-75 g		**No. 18064-20**	$ 44.00
20	38	2.25	Curved	20-25 g	50-75 g		**No. 18065-20**	$ 47.00
18	38	2.25	Straight	20-30 g	100-200 g	250-300 g	**No. 18061-38**	$ 43.00
18	50	2.25	Curved	25-30 g	100-200 g	250-300 g	**No. 18061-50**	$ 47.00
16	75	3.00	Curved		150-300 g	350-450 g	**No. 18061-75**	$ 58.50
16	100	3.00	Curved		150-300 g	350-450 g	**No. 18061-10**	$ 39.50

Single Use Gavage Feeding Needles

These economical feeding needles feature plastic luer hubs with silicone tips. They are nontoxic and nonpyrogenic. Needles can be easily formed to any desired shape. **Sterile.**



(No. 18061-20)



Pkg. of 5 needles

Gauge	Length (mm)	Tip diameter (mm)	Shape	Mice	Rats	Guinea pigs	Item	Price
20	38	1.75	Flexible	20-25 g	50-75 g		**No. 18061-20**	$ 32.00
18	50	2.50	Flexible	25-30 g	100-200 g		**No. 18061-18**	$ 32.00
15	75	3.00	Flexible		200-350 g	400-600 g	**No. 18061-15**	$ 32.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Disposable Flexible PTFE Feeding Needles

These affordable needles feature flexible PTFE tube with silicon tip and plastic luer hub, delivered in sterile pouches. They are very flexible, and translucent for easy confirmation of reagent delivery. The soft silicone tips are non-toxic and non-pyrogenic and ensure that no damage occurs during the insertion. **Sterile.**

Pkg. of 5 needles



No. 18961-85

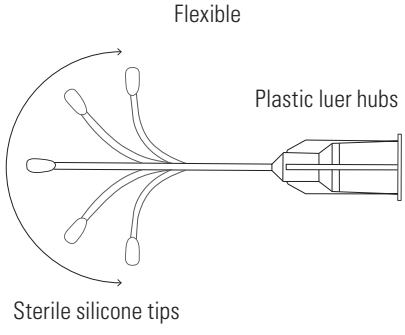
No. 18961-75

No. 18961-15

No. 18961-17

No. 18961-18

No. 18961-20



Gauge	Length (mm)	Tip diameter (mm)	Shape	Mice	Rats	Guinea pigs	Item	Price
20	38	Barrel 1.8	Flexible	20-25 g	50-75 g		**No. 18961-20**	$ 32.00
18	38	Barrel 2	Flexible	20-30 g	100-200 g	250-300 g	**No. 18961-18**	$ 32.00
17	52	Barrel 2.4	Flexible	25-30 g	100-200 g	250-300 g	**No. 18961-17**	$ 32.00
15	78	Barrel 2.6	Flexible		200-350 g	400-600 g	**No. 18961-15**	$ 32.00
18	75	Barrel 2	Flexible	25-30 g	150-250 g	250-300 g	**No. 18961-75**	$ 32.00
17	85	Barrel 2.4	Flexible	25-30 g	150-250 g	250-300 g	**No. 18961-85**	$ 32.00

GenoPunch

The interchangeable GenoPunch aids in the fast and simple collection of the 2 mm tissue sample for DNA analysis and/or genotyping. FST Exclusive Item. **Autoclavable.**

MOST POPULAR



70% of actual size



Microtubes not included.

GenoPunch includes:

- 1 GenoPunch
- 1 0.5 ml tube holder
- 1 1.6 ml tube holder
- 1 Screwdriver
- 4 Screws



FST does not supply microtubes.

11.5 cm
Stainless steel and anodized aluminum
Punch diameter: 2 mm

No. 24215-02
$ 130.00

Blue Ear Punch

The Ear Puncher relieves stress on the wrist during ID marking as it requires only a very gentle pressure to cut a hole. The stainless steel puncher has a sloped edge that provides a cut rather than a punch, which minimizes animal discomfort. **Autoclavable.**

NEW ITEM



14 cm
Punch diameter: 2 mm

No.24916-02
$ 240.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Ear Punch with Replaceable Tip

Designed to ensure a fast and clean punch, this ear punch is lightweight and fits comfortably in the palm of your hand. The tip is replaceable. **Autoclavable.**

NEW ITEM



70% of actual size

Handle and Tip

11.5 cm
Anodized aluminum handle and stainless steel tip
Punch diameter: 2 mm

No. 24213-02
$ 99.00

Replacement Tip

Punch diameter: 2 mm

No. 24213-12
$ 54.00

Ear Punch

Designed to ensure a fast and clean punch, this ear punch is lightweight and fits comfortably in the palm of your hand. FST Exclusive Item. **Autoclavable.**



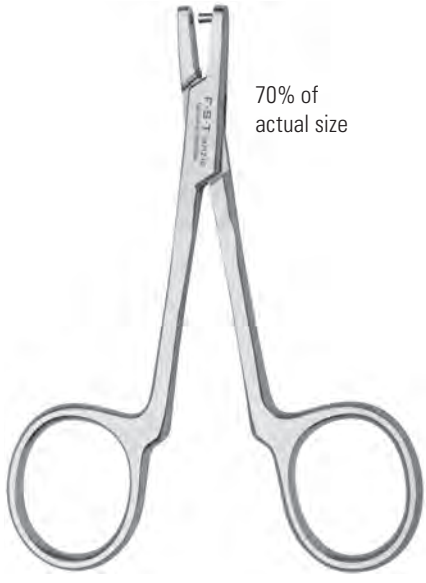
70% of actual size

11.5 cm
Stainless steel and anodized aluminum
Punch diameter: 2 mm

No. 24214-02
$ 81.00

Finger Loop Ear Punch

This ear punch provides stability and control for researchers using the numbering system. The 1 mm ear punch offers greater numbering variations and/or patterns.



70% of actual size

10.5 cm
Punch diameter: 1 mm

No. 24212-01
$ 43.00

Punch diameter: 2 mm

No. 24212-02
$ 41.50

Marking Pen

The Marking Pen was developed for easy, long lasting identification of laboratory animals. The markers contain no harmful chemicals and instead nontoxic pigment approved by the Japanese Ministry of Health for use in food, drugs and cosmetics. It is intended for use on the fur and not the skin and will last for 6-12 weeks.

CAUTION:

color can stain skin and clothing. The use of gloves and lab coats is recommended. These colours will not work on black fur.

NEW ITEM



Fine Tip 4.5 x 7.5 mm Black 10ml	Fine Tip 4.5 x 7.5 mm Blue 10ml	Fine Tip 4.5 x 7.5 mm Green 10ml	Fine Tip 4.5 x 7.5 mm Red 10ml	Fine Tip 4.5 x 7.5 mm Yellow 10ml	Fine Tip 4.5 x 7.5 mm Orange 10ml
No. 24202-06 $ 50.00	**No. 24202-02** $ 50.00	**No. 24202-01** $ 50.00	**No. 24202-04** $ 50.00	**No. 24202-03** $ 50.00	**No. 24202-05** $ 50.00

NEW ITEM



Standard Tip 15 x 10 x 10 mm Black 15ml	Standard Tip 15 x 10 x 10 mm Blue 15ml	Standard Tip 15 x 10 x 10 mm Green 15ml	Standard Tip 15 x 10 x 10 mm Red 15ml	Standard Tip 15 x 10 x 10 mm Yellow 15ml	Standard Tip 15 x 10 x 10 mm Orange 15ml
No. 24202-16 $ 50.00	**No. 24202-12** $ 50.00	**No. 24202-11** $ 50.00	**No. 24202-14** $ 50.00	**No. 24202-13** $ 50.00	**No. 24202-15** $ 50.00

Surgical Skin Marker

This marker features a versatile tip for precise fine (0.2 mm) line marking, or when held at an angle, a broad (2 mm) line marking.

The marker's violet ink is nontoxic, non-tattooing and surgical prep-resistant. Markings can be removed from the skin with isopropyl alcohol. A six-inch ruler calibrated in both centimeters and inches is included.

14 cm

No. 18000-30
$ 3.00



50% of actual size

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Self Piercing Ear Tags

Ideal for use in small animals such as mice and rats, these ear tags come numbered from 1-100 or 1-500. Silver colored tags with black numbers provide high visibility making them easy to read. Once applied, tags seal and cannot be removed, providing an easy to use, permanent identification method. These ear tags are safe for use in salt water.



Ear tags
Alloy: Monel
7.8 x 2.8 mm

Black numbers 1-100	Black numbers 1-500	Black numbers 501-1000
No. 24220-10	**No. 24220-50**	**No. 24220-90**
$ 31.00	$ 122.50	$ 122.50



Ear Tags (enlarged view)

Custom alphanumeric sequences and numbers above 1000 are available by special order.

1 to 6 numbers only:	1 to 6 letters and numbers:
$50.00 per 100 ear tags	$62.00 per 100 ear tags
$145.00 per 500 ear tags	$160.00 per 500 ear tags

For special order, use item **No. 70000-10** and indicate sequence. Please allow 4 to 5 weeks for delivery.



80% of actual size

Applicator
Stainless steel
14 cm

No. 24220-00
$ 51.50

Animal Microtattoo System

A quick, efficient and affordable method of permanently identifying laboratory animals (mice as early as 1 day old). Designed and tested by laboratory animal technicians, the system utilizes a hypodermic needle at one end of a stainless steel forceps and a small metal cup containing green tattoo paste at the other side of the forceps.

By squeezing the forceps together, the needle penetrates the toe, footpad or ear of the animal and injects a deposit of green tattoo paste into the animal. A grid location pattern provided enables a numbering system that extends over 1 million.

Use of the microtattoo system is humane and in compliance with regulatory agencies for the care and use of laboratory animals. Detailed instructions are included. **Both the microtattoo forceps and green tattoo paste are autoclavable.**

Animal microtattoo system includes:

- 1 Pair plated steel microtattoo forceps
- 1 Tube (1 oz.) of green tattoo paste
- 1 Aluminum planchette
- 2 Hypodermic needles
- 1 Plastic holding case



13 cm
Animal microtattoo system

No. 24201-00
$ 435.00



Green tattoo paste
1 oz / 29.6 ml

No. 24201-01
$ 9.50



Silicone Seal and Lubricant

This stiff non-melting silicone base maintains its consistency from -40°C to 200°C (40°F to 392°F) with less than 2% evaporation after 24 hours of exposure to 150°C (302°F). Typical applications include lubrication of stopcock rotating parts and other lab items. Seals vacuum and low pressure systems. Compatible with glass, plastics, metals, synthetic rubber gaskets and seals. **Autoclavable.**

15 ml container

No. 29051-45
$ 2.50

Demagnetizer

This safe and easy to operate tabletop demagnetizer has a large coil opening of 8 x 4 cm in a rigid, molded housing. Can be used to demagnetize or magnetize instruments.

12 x 5.5 x 9 cm

No. 18000-15
$ 100.00



Instrument Sharpening Stones

Natural Arkansas oil stones feature unequaled fineness, hardness and structural density. When used with mineral oil, they will produce a sharper cutting edge.

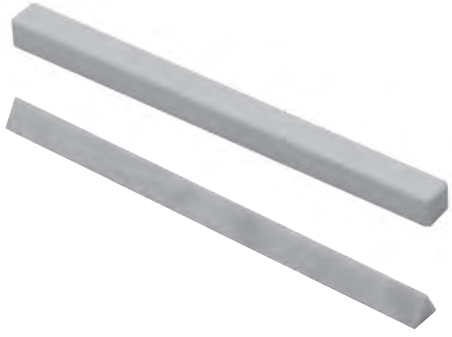
6 mm x 9 cm

Square stone

No. 29008-01
$ 14.00

Triangular stone

No. 29008-12
$ 14.00



Optical Cleaning Kit and Lens Paper

This convenient kit contains everything you need to clean lens surfaces safely. Perfect for microscopes, camera lenses, binoculars, telescopes, graphic art optics, and all other fragile lenses. Storage case included.

Kit includes:

- 1 Bottle of lens cleaner (30 ml)
- 1 Ultra soft duster brush
- 1 Cleaning cloth (20 x 20 cm)
- 3 Books of lens paper (25 sheets each)

Kit	Lens Paper 15 x 10 cm Book of 50 sheets
No. 29000-10	No. 29015-50
$ 32.00	$ 4.00



RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Sharpening Stone for Fine Forceps

This natural Arkansas stone assists in resharpening the tips of fine forceps. The stone has two grooves, 0.8 mm and 1.6 mm, and comes in a cedar box with ten O-rings.



4 x 1 x 10 cm

No. 29008-22
$ 58.00

Instrument Oil

Physiologically inert oil for lubricating surgical instruments, box locks, ratchets and any overlapping joints.



50 ml bottle

No. 29055-00
$ 16.00

O-Rings for Forceps

These rubber O-rings fit our forceps and keep them closed with variable degrees of pressure on the tips.

NOT AUTOCLAVABLE





Pkg. of 10

No. 11200-00
$ 2.00

Fine Forceps Repair Kit

Realign and repair fine forceps with this convenient kit. Bent forceps tips can be restraightened with the chain nose pliers. The sharpening stone has two grooves, 1.6 mm and 0.8 mm, to assist in resharpening the forceps tips. O-rings clamp the forceps shut to ensure that both shanks are equally aligned and sharpened. Instrument oil assists in producing a smooth sharp edge. Detailed instructions are included.

MOST POPULAR



Kit includes:

- 1 Sharpening stone for fine forceps with ten O-rings (No. 29008-22)
- 1 Instrument oil, 50 ml bottle (No. 29055-00)
- 1 Chain nose pliers

No. 29000-00
$ 100.50

Instrument Marking Tape

Organize instruments quickly and easily with this economical, non-toxic, pressure sensitive tape. Color is unaffected by boiling, cold sterilization or autoclaving. 8 colors available. **Autoclavable.**



Color	Roll size (cm)	Material	Item	Price
Green	290 x 0.6 cm	Vinyl	**No. 29071-01**	$ 10.50
Blue	290 x 0.6 cm	Vinyl	**No. 29071-02**	$ 10.50
Yellow	290 x 0.6 cm	Vinyl	**No. 29071-03**	$ 10.50
Red	290 x 0.6 cm	Vinyl	**No. 29071-04**	$ 10.50
White	290 x 0.6 cm	Vinyl	**No. 29071-05**	$ 10.50
Black	290 x 0.6 cm	Vinyl	**No. 29071-06**	$ 10.50
Brown	290 x 0.6 cm	Vinyl	**No. 29071-07**	$ 10.50
Orange	290 x 0.6 cm	Vinyl	**No. 29071-08**	$ 10.50

Instrument Marking Tape 8 Assorted Colors

Organize instruments quickly and easily with this economical, non-toxic, pressure sensitive tape. Color is unaffected by boiling, cold sterilization or autoclaving. Includes 8 assorted color rolls: Yellow, Red, Black, White, Green, Brown, Blue and Orange. **Autoclavable.**

1 each of 8 colors above	107 x 0.6 cm (each roll)	Vinyl	**No. 29080-00**	$ 28.00



NEW ITEM

9 colors available

Organize instruments quickly and easily with this economical, non-toxic, pressure sensitive tape. Color is unaffected by boiling, cold sterilization or autoclaving. 8 colors available. **Autoclavable.**



Color	Roll size (cm)	Material	Item	Price
Green	510 x 0.6 cm	Vinyl	**No. 29070-01**	$ 11.50
Blue	510 x 0.6 cm	Vinyl	**No. 29070-02**	$ 11.50
Yellow	510 x 0.6 cm	Vinyl	**No. 29070-03**	$ 11.50
Red	510 x 0.6 cm	Vinyl	**No. 29070-04**	$ 11.50
White	510 x 0.6 cm	Vinyl	**No. 29070-05**	$ 11.50
Black	510 x 0.6 cm	Vinyl	**No. 29070-06**	$ 11.50
Brown	510 x 0.6 cm	Vinyl	**No. 29070-07**	$ 11.50
Orange	510 x 0.6 cm	Vinyl	**No. 29070-08**	$ 11.50
Purple	510 x 0.6 cm	Vinyl	**No. 29070-09**	$ 11.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Instrument Tip Protectors

These tip protectors are a convenient, color-coded way to protect surgical instrument tips and edges. They provide exceptional protection and are vented to prevent rusting from condensation. Instrument tip protectors are recommended during handling, storage, and sterilization. **Autoclavable.**

MOST POPULAR

29060-00



1.6 x 19.1 mm
Pkg. of 25
Material: Plastisol

No. 29060-01
$ 11.50



2 x 19 mm
Pkg. of 25
Material: Plastisol

No. 29060-02
$ 11.00



2.8 x 19.1 mm
Pkg. of 25
Material: Plastisol

No. 29060-03
$ 11.50



3.2 x 25.4 mm
Pkg. of 25
Material: Plastisol

No. 29060-04
$ 11.50



4.8 x 25.4 mm
Pkg. of 25
Material: Plastisol

No. 29060-05
$ 11.50



2 x 9.5 x 25.4 mm
Pkg. of 25
Material: Plastisol

No. 29060-06
$ 11.50



Assorted pack, five of each size
Pkg. of 30
Material: Plastisol

No. 29060-00
$ 14.00

Double Tip Protectors

These vented tip protectors are designed to hold hemostats and rongeurs firmly while allowing the jaws, box hinge and tips to stay open for thorough sterilization. **Autoclavable.**



12.7 x 20 mm
Pkg. of 10
Material: Plastisol

No. 29066-01
$ 9.50



9 x 25.5 mm
Pkg. of 10
Material: Plastisol

No. 29066-02
$ 9.50



15 x 25 mm
Pkg. of 10
Material: Plastisol

No. 29066-03
$ 9.50



25 x 26 mm
Pkg. of 10
Material: Plastisol

No. 29066-04
$ 9.50



Assorted pack, three of each size
Pkg. of 12
Material: Plastisol

No. 29066-00
$ 11.50

Self Sealing Sterilization Pouches

Preformed pouches with self adhering tape are blue tinted on one side for visualization of contents, and paper-backed on the other side. Pouches will work with either steam autoclave or ethylene oxide sterilization.

Material properties:

- Protects instruments during sterilization.
- Provides sterile storage until use.
- Write on pouches for easier identification during sterilization.



10 x 18 cm
For instruments up to 13 cm long

Pkg. of 100 pouches

No. 28000-07
$ 36.50

13 x 26 cm
For instruments up to 23 cm long

Pkg. of 100 pouches

No. 28000-10
$ 46.50

18 x 30 cm
For instruments up to 26 cm long

Pkg. of 100 pouches

No. 28000-12
$ 68.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Hot Bead Sterilizer

The sterilizer provides a safe, effective and convenient method for sterilizing your surgical instruments prior to and during surgery or tissue culture. Without using potentially dangerous gases, flames or chemicals, you can ensure that your instruments will be free of pathogens and microbial contaminants.

The beads take 15–20 minutes to reach 240°C to 270°C (464°F to 518°F), and then the sterilizer is ready for use. The temperature is thermostatically maintained, and the unit can be left on all day. Instruments require approximately 20 seconds of contact with the beads for complete sterilization. The sterilizer is safe to use even in laminar flow hoods.

Sterilization test results conducted by the Pasteur Institute in Lille, France, are available upon request. Available in 110V and 220V.
CE Certified and UL Approved.

Sterilizer includes:

- Sterilizer unit
- 1 Bag of glass beads
- 1 Dust cover for well
- 1 Small heat-tempered glass dish for small objects (only with FST 250)



FST 250 shown.
Instruments not included.

FST 250 Sterilizer
Well diameter: 4 cm
Well depth: 8 cm
Well volume: 100 ml
Total unit size: 14.5 x 12.5 x 13.5 cm

No. 18000-45
$ 588.00

Replacement glass beads for FST 250
Weight: 150 gr

No. 18000-46
$ 38.50

FST 350 Sterilizer
Well diameter: 4 cm
Well depth: 14 cm
Well volume: 175 ml
Total unit size: 20.5 x 12.5 x 13.5 cm

No. 18000-50
$ 758.00

Replacement glass beads for FST 350
Weight: 300 gr

No. 18000-51
$ 51.50

Micro Bead Sterilizer with Glass Beads

Micro Bead Sterilizer is ideal for the sterilization of small and large research tools (forceps, scissors, etc.). When the chamber is filled with the included glass beads, high temperatures (up to 300° C) can be used to eliminate the presence of bacteria, spores and other micro-organisms.

NEW ITEM

Small Sterilizer
110V
Well diameter: 4 cm
Well depth: 8 cm
Well volume: 100 ml
Total unit size: 13 x 14.5 x 15.5 cm

No. 18090-45
$ 499.00

Small Sterilizer
220V
Well diameter: 4 cm
Well depth: 8 cm
Well volume: 100 ml
Total unit size: 13 x 14.5 x 15.5 cm

No. 18090-46
$ 499.00

Replacement glass beads for small sterilizer
Weight: 150 gr

No. 18000-47
$ 25.00



Small sterilizer shown.
Instruments not included.

NEW ITEM

Tall Sterilizer
220V
Well diameter: 4 cm
Well depth: 14 cm
Well volume: 175 ml
Total unit size: 14 x 14.5 x 21.5 cm

No. 18090-51
$ 599.00

Replacement glass beads for tall sterilizer
Weight: 300 gr

No. 18000-52
$ 42.50

Tall Sterilizer
110V
Well diameter: 4 cm
Well depth: 14 cm
Well volume: 175 ml
Total unit size: 14 x 14.5 x 21.5 cm

No. 18090-50
$ 599.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Autoclave Tape Dispenser

Easy loading core with heavy duty steel construction and a non-skid base. Serrated cutting blade cuts tape fast and cleanly.



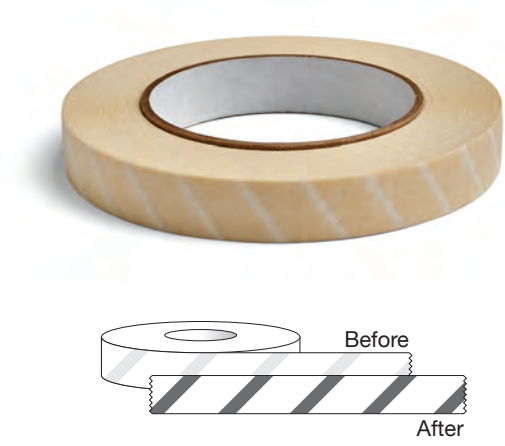
Tape sold separately.

23.5 cm
Coated steel

No. 28001-00
$ 27.00

Autoclave Tape

Tape will permanently indicate diagonal stripes after exposure to steam autoclave temperature between 121°C and 130° C during a 40-60 minute time period. Use with sterilization pouches, sterilization wraps and sterilization cases.



2 cm x 55 m

No. 28001-02
$ 12.00

Disposable Sterilization Wraps

These biodegradable cellulose fiber wraps are resistant to tears and conform easily to maintain a breathable yet impervious barrier to airborne bacteria, saline, blood and water. Wrapping your instrument case securely will ensure the sterility of your instruments until ready for use. Available in two sizes.



Cases not included.

38 x 38 cm

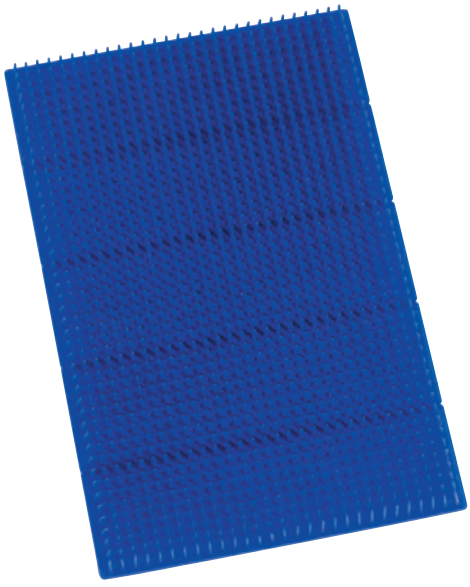
Pkg. of 25 wraps
No. 28015-15
$ 8.00

51 x 51 cm

Pkg. of 25 wraps
No. 28020-20
$ 11.50

Silicone Mat

High quality, extra soft mat for safe and secure placement of delicate instruments. This mat can easily be cut along the premarked grooves to fit in various sized instrument cases. **Autoclavable.**



30 x 20 cm

No. 20325-00
$ 123.00

Magnetic Sterilization Mat

Used during sterilization and for safe anti-slip placement around surgical settings. **Autoclavable.**



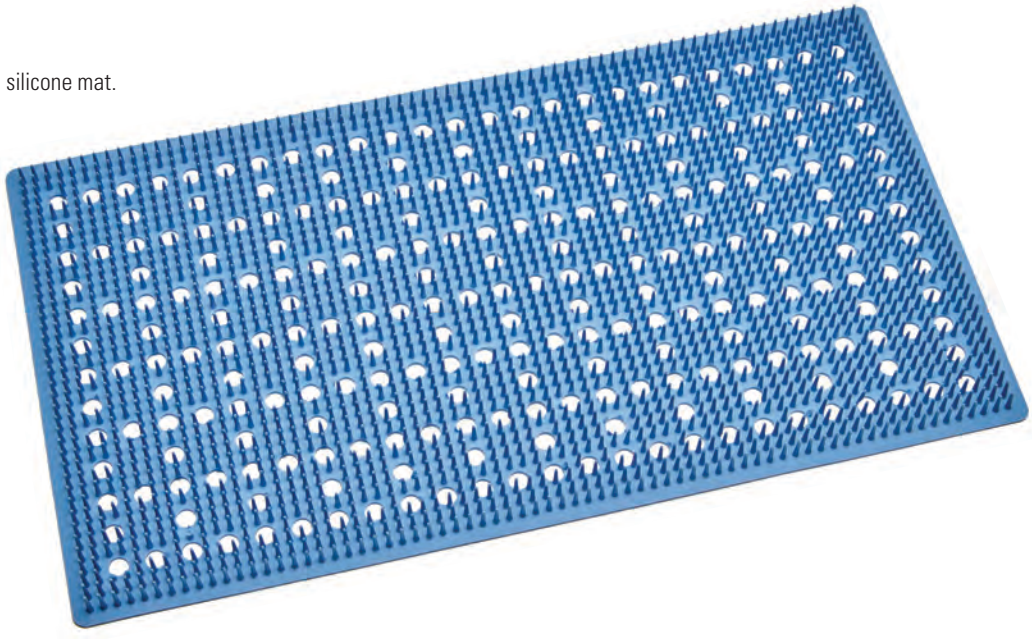
Instruments not included.

30 x 20 cm

No. 20350-00
$ 159.00

Silicone Mat

Large, economical silicone mat.
Autoclavable.



46 x 25 cm

No. 20325-10
$ 89.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

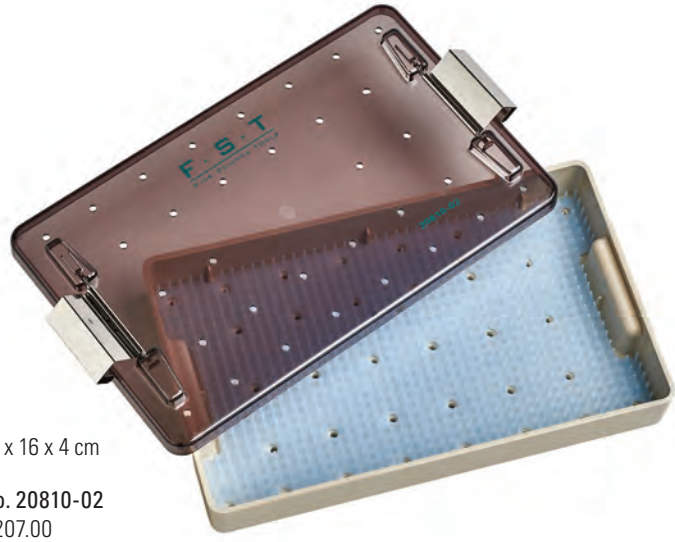
Sterilization Container

This plastic sterilization container includes a silicone mat for safe placement of instruments. Perforated top is clear for visual identification of instruments. **Suitable for autoclave or ethylene oxide sterilization.**



19 x 10 x 2 cm

No. 20810-01
$ 151.00



27 x 16 x 4 cm

No. 20810-02
$ 207.00

Two Tiered Sterilization Container

This plastic sterilization container has two tiers of silicone slots that will accommodate up to 12 different instruments. Hinged top and bottom lock tight. Container is perforated. **Suitable for autoclave or ethylene oxide sterilization.**



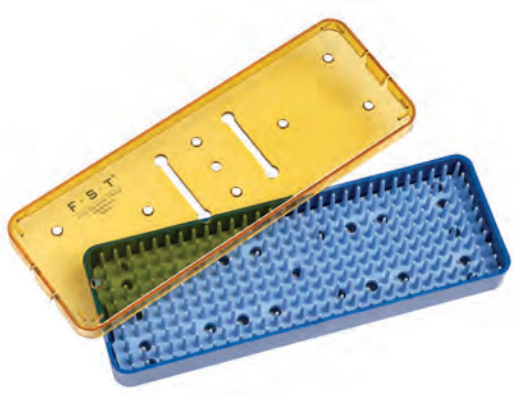
25 x 12 x 3 cm

No. 20820-00
$ 250.00

Sterilization Container

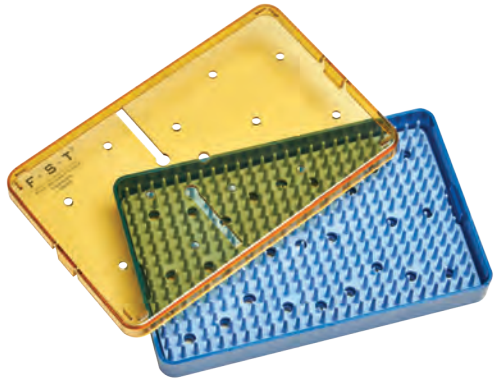
This sterilization container is made from Ultem® polymer to ensure strength and long lasting durability. The transparent perforated lid provides easy identification of your surgical instruments. Silicone mat is included for a safe and secure hold. Trays are also stackable for convenience.
Suitable for autoclave or ethylene oxide sterilization.

MOST POPULAR
20840-03



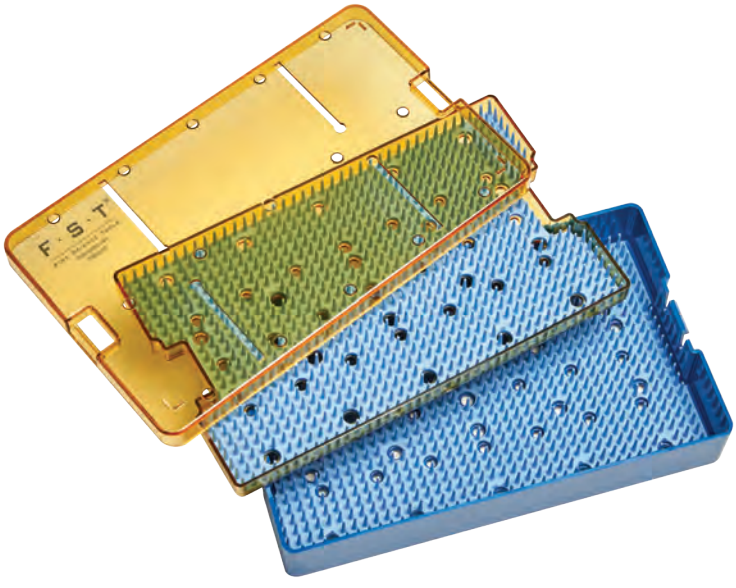
19 x 7 x 2 cm
Single tier

No. 20840-01
$ 47.00



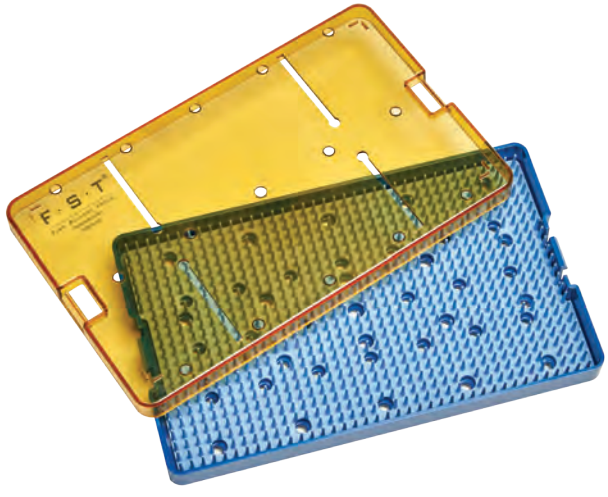
17 x 10 x 2 cm
Single tier

No. 20840-02
$ 70.00



25 x 15 x 4 cm
Double tier

No. 20842-03
$ 184.00



25 x 15 x 2 cm
Single tier

No. 20840-03
$ 104.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Dual Clasping Stainless Steel Sterilization Container

This container will assist in the sterilization and storage of your fine surgical instruments. It comes with a custom fit silicon mate to keep instruments in place while the sterilizing process and storage. The textile filters are necessary for keeping instruments sterile while they remain in the container.
Suitable for autoclave or ethylene oxide sterilization.



30 x 14 x 4 cm

No. 20850-00
$ 311.00

5 Long-term textile filters
No. 20850-10
$ 44.00

One Long-term textile filter
No. 20850-11
$ 10.00

Stainless Steel Sterilization Container

Removable perforated interior plates hold long-term textile filters which keep the instruments sterile while they remain in the container. Lid can be locked in place. Comes with two textile filters installed. **Suitable for autoclave or ethylene oxide sterilization.**



20 x 10 x 4 cm

No. 20890-51
$ 280.00

10 Long-term textile filters
No. 20890-72
$ 92.00

One Long-term textile filter
No. 20890-71
$ 9.50

Moria

MOST POPULAR

Utility Instrument Case

Comes with a silicone mat for safe placement of instruments. **Case and silicone insert are autoclavable but should not be used for sterilizing surgical instruments.**



18 x 9 x 3 cm

No. 20311-21
$ 141.00

Colored Aluminum Cases

This instrument case comes with a spiked silicone mat for secure storage of surgical instruments.
Seven colors available but may vary due to lot to lot variations.
The case and silicone insert are autoclavable but should not be used for sterilization of surgical instruments.

NEW ITEM



18 x 9 x 3 cm
Blue

No. 20330-00
$ 125.00



18 x 9 x 3 cm
Green

No. 20330-01
$ 125.00



18 x 9 x 3 cm
Red

No. 20330-02
$ 125.00



18 x 9 x 3 cm
Yellow

No. 20330-03
$ 125.00

Instrument Case

This plastic case is compact, safe, secure, and slotted for placement of individual surgical instruments, aiding in the prevention of tip damage. Seven colors available. **Case is autoclavable but should not be used for sterilizing surgical instruments.**

MOST POPULAR



Instruments not included.

17 x 8 x 2 cm
Blue

No. 20830-00
$ 10.50

17 x 8 x 2 cm
Green

No. 20830-01
$ 10.50

17 x 8 x 2 cm
Clear

No. 20830-02
$ 10.50

17 x 8 x 2 cm
Yellow

No. 20830-03
$ 10.50

17 x 8 x 2 cm
Pink

No. 20830-04
$ 10.50

17 x 8 x 2 cm
Orange

No. 20830-05
$ 10.50

17 x 8 x 2 cm
Purple

No. 20830-06
$ 10.50

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Roll Up Travel Case

Vinyl dissection roll up case with Velcro strap to hold the case closed. Holds up to 10 tools, one ruler holder, and one Velcro sealed pouch. **Instruments not included.**



Dimensions: 36 x 23 cm
Color: Black
Alloy / Material: Vinyl

No. 20831-10
$ 11.00

Instrument Beaker with Silicone Bottom

Instruments are placed in the beaker with their tips immersed in distilled water when not in immediate use. This keeps the instruments clean and functional and ready to grasp. The instrument tips are protected from damage by the soft silicone rubber bottom. Segmented lid keeps instruments organized and secure.

S&T®



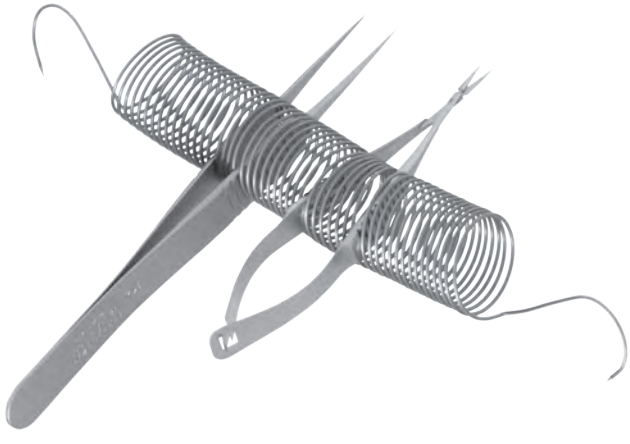
Instrument not included.

Diameter: 10 cm
Height: 8 cm

No. 00081-00
$ 260.50

Instrument Holding Spring

For the safe placement of delicate surgical instruments during use. Pin the sharp ends into the drape to secure the mounting spring.



Instruments not included.

Length: 4 cm (closed)
Diameter: 2 cm

No. 18090-00
$ 22.00

Stainless Steel Burrs

Length: 44 mm
Shaft diameter: 2.3 mm
Pkg. of 10 burrs



Diameter (mm)	Item	Price
0.7*	No. 19008-07	$ 20.00
0.9**	No. 19008-09	$ 20.00
1.4	No. 19008-14	$ 20.00

* Use this size for screws No. 19010-10 (page 50).
** Use this size for screws No. 19010-00 (page 50).

Carbon Steel Burrs

Length: 44 mm
Shaft diameter: 2.3 mm
Pkg. of 10 burrs

NOT AUTOCLAVABLE

MOST POPULAR

19007-07



Diameter (mm)	Item	Price
0.5	No. 19007-05	$ 15.50
0.7*	No. 19007-07	$ 15.50
0.9**	No. 19007-09	$ 15.50
1.4	No. 19007-14	$ 15.50
2.1	No. 19007-21	$ 15.50
2.9	No. 19007-29	$ 25.00

* Use this size for screws No. 19010-10 (page 50).
** Use this size for screws No. 19010-00 (page 50).

Tungsten Carbide Burrs

Length: 44 mm
Shaft diameter: 2.3 mm
Pkg. of 5 burrs

TUNGSTEN CARBIDE

For more information see page 211.



Diameter (mm)	Item	Price
0.5	No. 19009-05	$ 26.00
0.7*	No. 19009-07	$ 26.00
0.9**	No. 19009-09	$ 26.00

* Use this size for screws No. 19010-10 (page 50).
** Use this size for screws No. 19010-00 (page 50).

Stainless Steel Trephines

Side opening for clearing of material.

Length: 44 mm
Shaft diameter: 2.3 mm
Sold individually



1.8 - 2.7 mm



5 mm

Outer Diameter (mm)	Item	Price
1.8	No. 18004-18	$ 19.00
2.3	No. 18004-23	$ 19.50
2.7	No. 18004-27	$ 23.50
5	No. 18004-50	$ 35.00

Stainless Steel Circular Saw

For cutting bone and other hard substances.
Attaches to mandrel (No. 18000-18), right.

Diameter: 16 mm
Thickness: 0.1 mm

Pkg. of 10 saws
No. 18000-20
$ 32.00



Stainless Steel Mandrel

Screw allows attachment of discs and circular saws for use with high speed drills.

Length: 45 mm
Shaft diameter: 2.3 mm

No. 18000-18
$ 5.50



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High Temperature Cautery Kit

This high temperature cauterizer is a great alternative to disposable cautery units. Temperature at tips is approximately 1000°C (1832°F). Replacement cautery tips are available.
Not autoclavable.

NOT AUTOCLAVABLE



65% of
actual size

Plastic body
Stainless steel tips: 0.2 mm diameter
Operation temperature: 1000°C (1832°F)
Total weight: 70 g
Length: 16 cm (without tip)

Cautery kit includes:
- 1 Cautery handle
- 2 Standard tips
- 2 Fine tips
- 2 AA Batteries
- 1 Storage case

MOST POPULAR

Cautery kit

No. 18010-00
$ 79.00

MOST POPULAR



Replacement tips
Straight standard
Sterile
Single use

Box of 10 tips

No. 18010-01
$ 74.50

MOST POPULAR



Replacement tips
Straight fine
Sterile
Single use

Box of 10 tips

No. 18010-02
$ 78.50

Low Temperature Cautery Kit

This low temperature cautery kit is a great alternative to disposable cautery units. Temperature at the tips is approximately 649°C. Replacement cautery tips are available.
Not autoclavable.

NOT AUTOCLAVABLE



Plastic body
Stainless steel tips: 0.2 mm diameter
Operation temperature: 649°C (1200°F)
Total weight: 60 g
Length: 12 cm (without tip)

Cautery kit includes:
- 1 Cautery Handle
- 2 Fine Tips
- 2 Elongated Fine Tips
- 1 AA Batteries
- 1 Storage Case

Cautery kit

No. 18019-00
$ 75.50



Replacement tips
Straight Fine
Sterile
Single use

Box of 10 tips

No. 18019-01
$ 74.50



Replacement tips
Elongated Straight Fine
Sterile
Single use

Box of 10 tips

No. 18019-02
$ 78.50

Small Vessel Cauterizer

This small hand-held unit keeps bleeding to a minimum and therefore provides a surgical field clear of clamps and hemostats. The cauterizer should be activated momentarily so the delicate tips do not burn out. Temperature at tips is approximately 1000°C (1832 °F). Replacement cautery tips are available. **Autoclavable.**



Heavy gauge stainless steel body
Platinum-iridium tips: 0.3 mm diameter
Total weight: 100 g
Length: 13.5 cm (without tip)

Cautery kit includes:

- 1 Cautery handle
- 1 Straight fine tip
- 1 Angled fine tip
- 2 AA Batteries
- 1 Storage Case

Cautionary note:
Remove batteries before autoclaving.

80% of
actual size



Cautery kit

No. 18000-00
$ 429.50



Replacement tip
Straight fine

No. 18000-01
$ 82.50



Replacement tip
Angled fine

No. 18000-02
$ 80.00

Replacement tip
Straight knife

No. 18000-03
$ 80.00



Replacement tip
Straight knob

No. 18000-04
$ 87.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Neuro Punches

N.I.H. style neuro punches for punch removal of frozen brain microregions.



ID (mm)	OD (mm)	Gauge	Length (cm)	Item	Price
0.31	0.61	24	4.2	**No. 18036-24**	$ 40.00
0.41	0.70	22	4.5	**No. 18036-22**	$ 40.00
0.69	1.00	19	4.5	**No. 18036-19**	$ 40.00

Absorption Spears and Triangles

These synthetic surgical sponges absorb fluids twice as fast as the best cotton sponges and have three times their fluid-holding capacity. They are made from strong, soft, lint-free biocompatible-proven material that is non-irritating to delicate tissue and leaves no fibrous residue that might cause wound contamination. The Absorption Spears are sterilized by radiation.

MOST POPULAR



Absorption Spears
7 cm
Sterile

Box of 200 spears
No. 18105-01
$ 163.50



Absorption Triangles
2 cm
Sterile

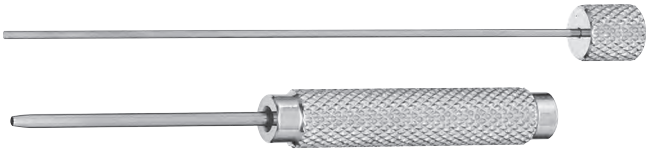
Box of 500 triangles
No. 18105-03
$ 139.00

SURGICAL ACCESSORIES

Sample Corers

For quantitative analysis. Comes with plunger.

8.5 cm



ID (mm)	OD (mm)	Gauge	Item	Price
0.35	0.80	21	**No. 18035-35**	$ 73.50
0.50	1.00	19	**No. 18035-50**	$ 74.00
0.80	1.45	17	**No. 18035-80**	$ 74.00
1.00	1.80	15	**No. 18035-01**	$ 65.50
2.00	3.00	11	**No. 18035-02**	$ 65.50
3.00	4.00	8	**No. 18035-03**	$ 65.50
5.00	6.00	4	**No. 18035-05**	$ 65.50

Fiber Optic Swabs



Straight

15 cm
Tip diameter: 2.5 mm
Pack of 100

No. 18106-01
$ 119.00

Micro Cleaning Brush



70 mm
Nylon

Bag of 25

No. 18196-10
$ 7.00

Miniature File Set

Comes with 8 different file profiles in a vinyl pouch.

NOT AUTOCLAVABLE

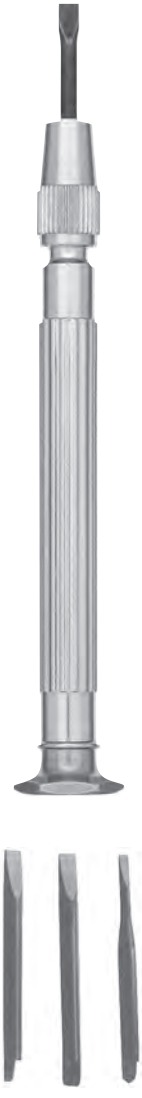


10 cm
Carbon Steel

No. 30076-14
$ 104.00

4-in-1 Screwdriver

With 4 hardened, interchangeable blades stored in handle: 1.5, 2, 2.5, and 3 mm.



Handle 9.5 cm
With attachment 11.5 cm
Nickel handle

No. 30051-10
$ 28.00

Ceramic Blade Cutter

Ceramic edge stays sharp 100 times longer than a steel edge. Rust and corrosion free. No trace metal contamination. **Autoclavable.**



NEW ITEM

Straight

13 cm
Cutting Edge: 58 mm
Ceramic blade
with plastic handle

No. 10025-70
$ 19.00

Replacement Blade

Straight

Cutting Edge: 58 mm
Ceramic Blade

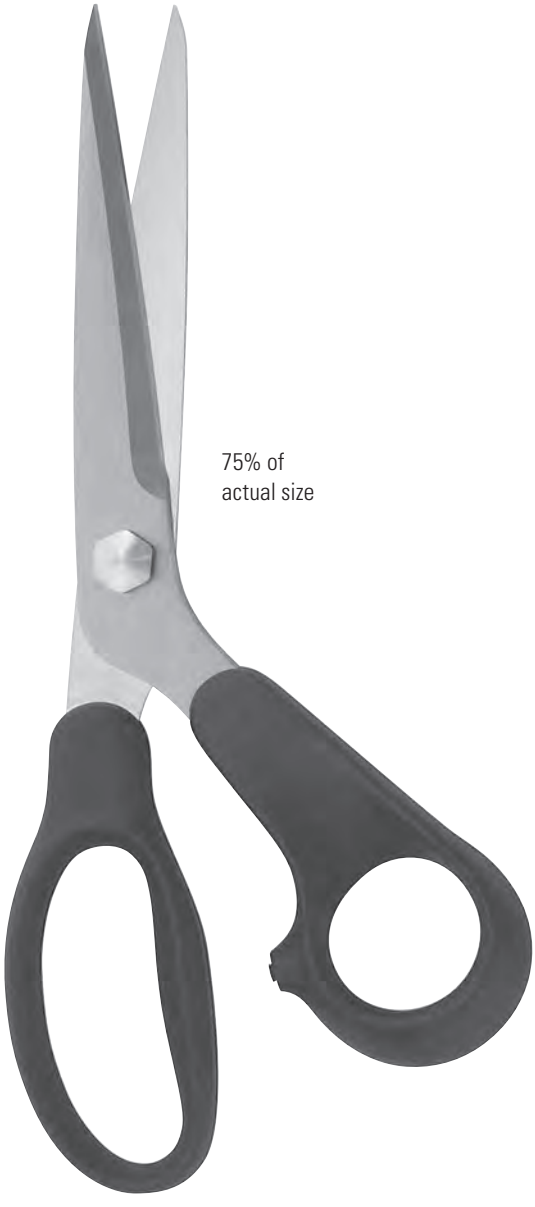
No. 10025-71
$ 13.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Utility Scissors

These scissors are extremely hard (54 on the Rockwell scale). Useful for cutting tin or aluminum sheets, bone, plastics, etc. The strong, 3 mm thick blades are magnetic. The plastic handles are anatomically shaped.

NOT AUTOCLAVABLE



75% of actual size

21 cm
Stainless steel
with plastic handle

No. 37500-00
$ 27.00

Universal Scissors

The scissor blades are made of high quality stainless-steel and guarantee a perfect cut. Handles are made of glass fiber reinforced polyamide.

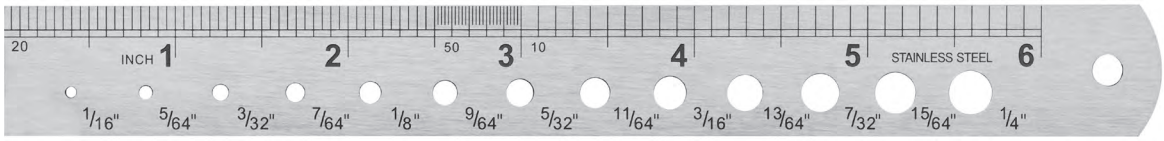
NOT AUTOCLAVABLE



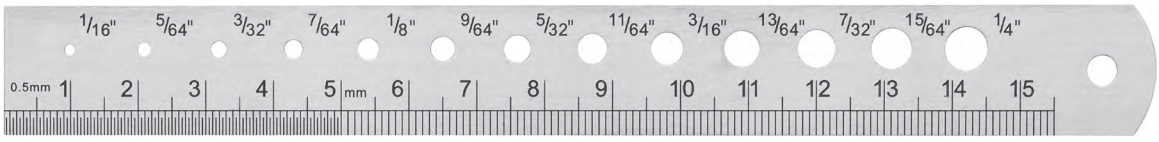
13 cm
Stainless steel
with plastic handle

No. 37500-05
$ 23.50

Ruler with Gauge Measurements



Front



Back

90% of actual size

Stainless steel

15 cm (6")

No. 30085-15
$ 5.50

Ruler with Metric Conversion Table



Front



Back

50% of actual size

Stainless steel

30 cm (12")

No. 30085-30
$ 4.50

Ruler Label

Used for stable measurements in all surgical platforms.

NOT AUTOCLAVABLE

6 cm

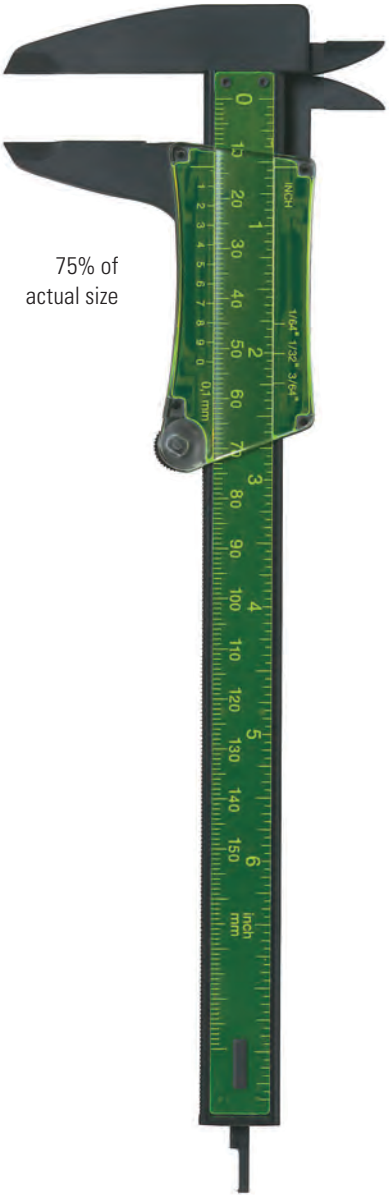
Pkg. of 25 labels
No. 29027-00
$ 4.50



RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Plastic Vernier Caliper

Tough polymer is unbreakable under normal conditions. Measures inside, outside, step and depth, metric and inch to 0.1 mm or 1/64". Maximum measurement: 153 mm.



75% of actual size

Plastic

21 cm

No. 30087-20
$ 28.00

Digital Electronic Caliper

Wide screen LED display with the ability to measure in millimeters, inches and fractions. Measures inside, outside, step and depth. Battery, spare battery and plastic storage case included.



70% of actual size

Stainless steel

23.5 cm

No. 30087-00
$ 33.50

Castroviejo Surgical Caliper

Used for precise measurement during surgery.



0-20 mm with 0.5 mm divisions
Tip diameter: 0.5 mm

8.5 cm

No. 18000-35
$ 385.50

Magnifying Loupe with Micrometer and LED

High quality loupe features a removable micrometer and ultra-bright LED lights surrounding the circumference for a defined image and clear contrast.

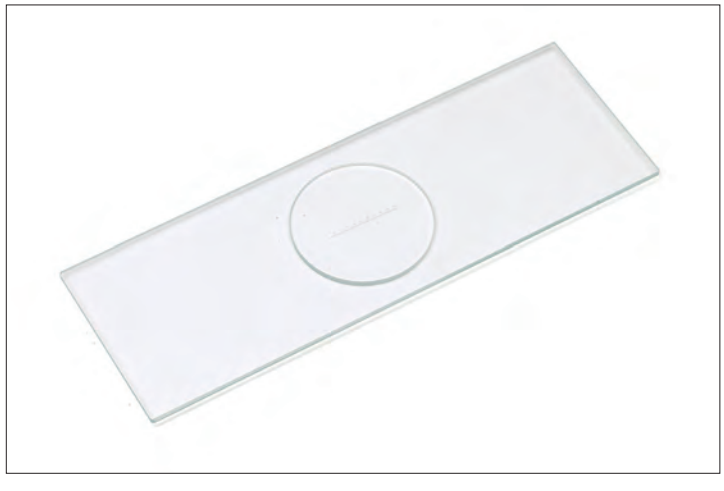


Magnification: 10x
Field of view: 30 mm
Working distance: 10 mm (without scale)
Illumination: Ultra-bright LED
38 x 38 x 40 mm

No. 29026-10
$ 129.00

Stage Micrometers

These are highly accurate stage micrometers for use with transmitted light in both compound and stereo microscopes. Comes with a plastic case.



76 x 26 mm

10 mm with 100 divisions (0.1 mm)
No. 29025-01
$ 161.00

1 mm with 100 divisions (0.01 mm)
No. 29025-02
$ 174.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Electronic Clock / Triple Timer

Three activities can be timed up or down simultaneously or individually. Time can be displayed either in 12 or 24 hours and features a memory function. Maximum countdown time is 19 hours, 59 minutes, 59 seconds. Minimum time interval is 1 second. The timer housing includes a powerful magnet for mounting.



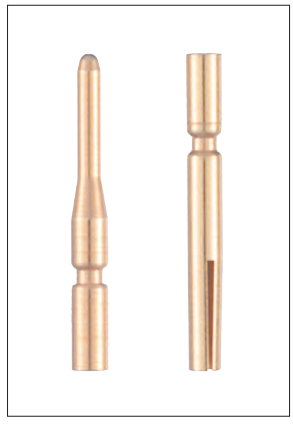
LCD display: 4.5 x 4.5 cm
7 x 8.5 x 1.5 cm
AAA battery included

No. 27000-01
$ 29.50

Gold Wire Contacts

Matching pin and socket. Contacts are crimp terminated, but also can be used for solder connections.

Enlarged 225%



Total length: 16 mm (when connected together)
Diameter: 1.2 mm
Opening for wire: 0.63 mm

Pkg. of 50 male contacts
No. 19003-00
$ 85.00

Pkg. of 50 female contacts
No. 19003-01
$ 110.00

Headband Magnifier

Precision ground and polished optical glass lenses. The padded headband is lightweight and fully adjustable. Can be worn with spectacles.



Headband magnifier shown with VisorLIGHT™ (sold separately).

Magnification: 2.5x
Working distance: 200 mm (8")

No. 28030-02
$ 62.00

Magnification: 2.75x
Working distance: 150 mm (6")

No. 28030-03
$ 66.00

Magnification: 3.5x
Working distance: 100 mm (4")

No. 28030-04
$ 69.50

VisorLIGHT™

Small, portable light source with 26 cm cord for attachment to headband. It comes with a battery pack that holds two AA batteries. Completely adjustable. Replacement bulbs are available upon request.



No. 28030-10
$ 37.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Interchangeable Magnifier Headset with LED

Economical and fully interchangeable headband magnifier with LED light.

Includes:

- Multiple Lens Magnifications (1.0x, 1.5x, 2.0x, 2.5x, 3.5x)
- LED Light Source
- Tilting Functionality
- Cushioned Nose Pads
- Adjustable Headband
- Interchangeable Lens Frames
- Requires 3 AAA Batteries (Batteries not included)

MOST POPULAR











Can be used with or without the adjustable head strap (included).

Magnification: 1x, 1.5x, 2x, 2.5x, and 3.5x
Field of view: Variable
Working distance: Variable

No. 28080-10
$ 32.00

Galilean Loupes

These loupes are lightweight and easy to use. Made from the finest optical coated lenses which deliver excellent clarity and high resolution. The loupes are mounted onto a strong yet flexible wraparound safety frame with a headband for stability and comfort. Ability to flip loupes up for use as safety glasses. Comes with mini screwdriver for fine adjustments, micro cloth, and storage case.



Magnification: 3x
Working distance: 400 mm (16")
Weight: 72 g

No. 28050-30
$ 264.00

Magnification: 3.5x
Working distance: 300 mm (12")
Weight: 77 g

No. 28050-35
$ 302.50

Eschenbach Magnifier Spectacles

These magnifier spectacles allow full adjustments on almost all parts. Headband keeps spectacles steady and in place. Leather case and Headband included.



Magnification: 2.5x
Working distance: 350 mm (14")
Weight: 70 g
Plastic frame reinforced with fiberglass

No. 28040-30
$ 518.00

Spectacles Headband

Compatible with the Eschenbach Max Detail Spectacles (Item No. 28030-20) and Eschenbach Magnifier Spectacles (Item No. 28040-30).



Material: Neoprene

No. 28080-90
$ 10.50

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Eschenbach Max Detail Spectacles

These spectacles are portable, lightweight, and easily adjustable. Designed with frosted objective lens housing which eliminates distracting reflections. Bendable ear pieces for a secure, comfortable fit. Protective case is included.



Max Detail Spectacles shown with Eschenbach Clip-On LED Light (sold separately).

Magnification: 2x
Field of view: 110 mm (4")
Working distance: 400 mm (16")
Weight: 49 g

No. 28030-20
$ 145.50

Eschenbach Clip-On LED Light

A compact and lightweight light source with two high-performance SMD LED's and a lens that concentrates the light producing a more powerful, bright and homogenous field of view. Light can be set high or low. Compatible with the Max Detail Spectacles and Headband Magnifiers.
Comes with 3 AA batteries and storage case.



Gross Weight: 106 g (including batteries)

No. 28030-25
$ 148.50

Eschenbach Vario Flex with LED

The Vario LED Flex ensures ease and precision by its smooth flexible neck and tiltable magnifying lens. This magnifier's innovative features provide a spacious working platform suitable for any application. Mounting clamp provides uncompromised workspace due to its sturdy, slim design. The magnification lens is illuminated with shadow-free full or half ring optimum bright LEDs.



Magnification: 2.5x
Diopter: 6D
Lens size: 76 mm
Lens shape: Aspheric
Working distance: Variable
Lens material: PXM® lightweight lens with patented Ceratec® scratch-resistant coating
Illumination: Latest SMD LED technology
Power source: 120V & 220V

No. 28015-25
$ 638.00

Eschenbach Scribolux Magnifier

This magnifier provides an illuminated platform suitable for any working condition. The open design allows for a spacious working platform. Supplied in a microfiber pouch for protecting and cleaning the lens.



Magnification: 2.8x
Diopter: 7/11D
Lens size: 100 x 75 mm
Lens shape: Aspheric
Working distance: 75 mm (3")
Lens material: PXM® lightweight lens with patented Ceratec® scratch-resistant coating
Illumination: Latest SMD LED technology
Power source: 4 AA batteries (included)

No. 28020-28
$ 176.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Optical Cleaning Kit

This convenient kit contains everything you need to clean lens surfaces safely. Perfect for microscopes, camera lenses, binoculars, telescopes, graphic art optics, and all other fragile lenses. Storage case included.

Kit includes:

- 1 Bottle of lens cleaner (30 ml)
- 1 Ultra soft duster brush
- 1 Cleaning cloth (20 x 20 cm)
- 3 Books of lens paper (25 sheets each)



No. 29000-10
$ 32.00

Lens Paper

This premium grade optical lens tissue is extremely soft and safe for any glass or plastic optical lens surface.



15 x 10 cm

Book of 50 sheets
No. 29015-50
$ 4.00

Eschenbach mobilux® DIGITAL inspection

The reflection-free and high-contrast 4.3-inch display ensures relaxed work. The HD camera arranged centrally under the display enables easy orientation. A magnification of up to 15x can be selected continuously or in increments by touching the magnifying glass symbol. The integrated LED lighting offers great variability in lighting and exposure settings for a wide variety of applications. The mobilux®offers measurement and comparison functions via adjustable scales and templates as well as simultaneous comparison measurements of the target and actual status via a split screen on the PC.

With the photo function, the live image seen through the magnifying glass can be saved as a photo on an inserted SD card. The images can also be easily transferred to a computer via a USB connection. In addition, the USB connection to the computer enables the live image of the magnifying glass to be transferred to the PC monitor, so the mobilux® can also be used as a screen reader. The "mobilux® digital" program supplied must first be installed on the computer (Windows Vista, Windows 7, 8 or Windows 10).

NEW ITEM



Delivery incl. USB cable length 2m, SD memory card (incl. software), hand strap, manual, case for storage, calibration plate. Mains adapter for EU, GB, US, AUS included.

- Magnification: 4-15x
- Field of view: Variable
- Working distance: Variable
- Screen size: 11 cm (4.3")
- Screen resolution: 480 x 272 px
- User input: Touchscreen

No. 28070-50
$ 525.00

Eschenbach laboCOMFORT

With the laboCOMFORT, both hands remain free to work. The screen can be folded up when not in use. Various locking options for individual height adjustment of the magnifying screen. The headband magnifier can also be used by people who wear glasses.

NEW ITEM

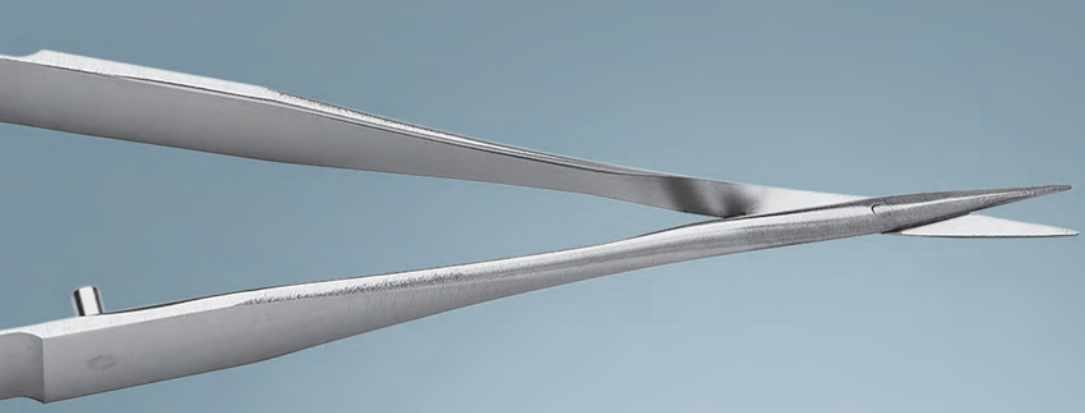


Can be used with the Eschenbach Clip-On LED light.

- Magnification: 3x
- Working distance: 130 mm (5")

No. 28030-13
$ 99.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE



Student Instruments

Scissors	Pages	186 – 191
Cutter	Page	191
Scalpel Handles	Page	192
Forceps	Pages	193 – 198
Hemostat, Artery Clamps, Pin & Needle Holders, Retractor, Vessel Dilator & Clamp	Pages	199 – 207





FST Student Quality Instruments

One of the hallmarks of FST has always been to accurately assess the needs of our customers. We gather information not only from the lab, but from conferences, journals and researchers. Whether it is designing new tools or finding new applications for existing instruments, we believe our best information comes directly from you.

Our customers wanted reduced costs and quantity discounts without sacrificing the precision and quality inherent in German instruments. To meet their needs, we have developed a full line of "student" instruments. They were created for use in the classroom where students are learning proper instrument care.

Unlike our competitors, the quality of these instruments does not drop dramatically with the price. Our student line uses quality stainless steel and maintains the precision you expect from FST. In addition they carry our unconditional satisfaction guarantee while being offered at a significantly reduced price.

Not intended as a substitute for our highest quality instruments, the student line may require extra care as the alloys used are more susceptible to corrosion. All of our shipments come with an instruction pamphlet describing the use and care of surgical instruments. Visit our website at **finescience.com** for more information.

Features:

- Economy
- Quantity discounts
- Quality
- Less hand finishing
- Less expensive alloys

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Vannas Spring Scissors

Ideal for introductory courses in microdissection. The manufacturer, material and general pattern are the same as our No. 15003-08 but with much of the costly hand finishing omitted.

MOST POPULAR

91500-09





Straight
Sharp / Sharp

9 cm
Cutting edge: 5 mm
Tip Ø: 0.35 mm

No. 91500-09
$ 100.50



Curved
Sharp / Sharp

9 cm
Cutting edge: 5 mm
Tip Ø: 0.35 mm

No. 91501-09
$ 108.50

Fine Scissors

MOST POPULAR

91460-11





Straight
Sharp / Sharp

11,5 cm
Cutting edge: 20 mm

No. 91460-11
$ 40.00



Curved
Sharp / Sharp

11,5 cm
Cutting edge: 20 mm

No. 91461-11
$ 44.00

Straight
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 91460-12
$ 27.00

Curved
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 91461-12
$ 35.00

Sanvenero





Straight
Sharp / Sharp

14.5 cm
Cutting edge: 30 mm

No. 91408-14
$ 25.00

% DISCOUNT

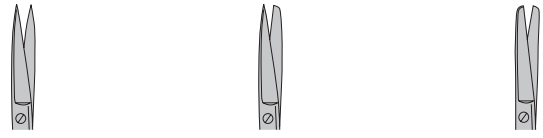
Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Surgical Scissors



Length (cm)	Cutting edge (mm)	Straight Sharp/Sharp	Price	Straight Sharp/Blunt	Price	Straight Blunt/Blunt	Price
10.5	35	No. 91402-10	$ 37.50	No. 91401-10	$ 35.00	No. 91400-10	$ 31.00
12	40	No. 91402-12	$ 38.50	No. 91401-12	$ 36.50	No. 91400-12	$ 34.50
13	40	No. 91402-13	$ 39.50	No. 91401-13	$ 37.00		
14.5	45	No. 91402-14	$ 41.00	No. 91401-14	$ 38.50	No. 91400-14	$ 33.50



Length (cm)	Cutting edge (mm)	Curved Sharp/Sharp	Price	Curved Sharp/Blunt	Price
11.5	40	No. 91405-11	$ 38.00		
12	40			No. 91404-12	$ 36.50
13	40	No. 91405-13	$ 40.00	No. 91404-13	$ 37.50
14.5	45	No. 91405-14	$ 41.50	No. 91404-14	$ 38.50



% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Wagner



Straight
Sharp / Sharp

11.5 cm
Cutting edge: 25 mm

No. 91468-12
$ 27.00

Spencer Ligature



Straight
Sharp / Sharp

9 cm
Cutting edge: 20 mm

No. 91476-09
$ 21.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

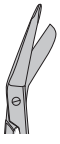
Per item, selection cannot be assorted for discount.

STUDENT

Lister Scissors

Longer blunt blade prevents damaging tissue underneath skin without losing the cutting line.





Angled to side
Blunt/Blunt

14 cm
Cutting edge: 35 mm

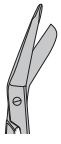
No. 91413-14
$ 28.00



Angled to side
Blunt/Blunt

18 cm
Cutting edge: 45 mm

No. 91413-18
$ 28.00



Angled to side
Blunt/Blunt

20 cm
Cutting edge: 50 mm

No. 91413-20
$ 28.00

Mayo



90% of
actual size



Curved
Sharp/Blunt

14.5 cm
Cutting edge: 50 mm

No. 91409-15
$ 22.50



Straight
Blunt/Blunt

17 cm
Cutting edge: 50 mm

No. 91410-17
$ 28.00



Curved
Blunt/Blunt

17 cm
Cutting edge: 50 mm

No. 91411-17
$ 29.00

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Metzenbaum Baby





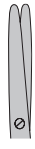
Curved
Blunt/Blunt

14.5 cm
Cutting edge: 30 mm

No. 91419-14
$ 30.50

Metzenbaum





Straight
Blunt/Blunt

14.5 cm
Cutting edge: 35 mm

No. 91416-14
$ 30.00



Curved
Blunt/Blunt

18 cm
Cutting edge: 35 mm

No. 91417-18
$ 30.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Heavy Scissors





Curved
Heavy Blades
Sharp / Sharp

10.5 cm
Cutting edge: 30 mm

No. 91405-10
$ 22.00

Bone Scissors

For cutting fine bone.



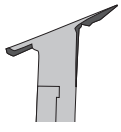
Curved

9 cm
Cutting edge: 9 mm

No. 91604-09
$ 60.50



Bone Cutter



Angled 30°

11 cm
Cutting edge: 19.5 mm
Blue Plastic Handle

No. 91601-11
$ 113.00

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Scalpel Handle #4



For scalpel blades, see page 59.

#4

13 cm

No. 91004-13
$ 14.50

Standard Scalpel Handle #3



For scalpel blades, see page 60.

#3

12 cm

No. 91003-12
$ 14.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Dumont #5

MOST POPULAR





Standard tip
Straight

11 cm
Inox
0.1 x 0.06 mm

No. 91150-20
$ 30.50

Dumont #7

MOST POPULAR





Standard tip
Curved

11 cm
Inox
0.17 x 0.1 mm

No. 91197-00
$ 35.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Fine Forceps Straight





Straight

11 cm
0.2 x 0.1 mm

No. 91115-10
$ 29.50

Fine Forceps Broad Shanks





Broad Shanks

12 cm
0.2 x 0.2 mm

No. 91113-10
$ 29.50

Fine Forceps Curved





Curved

12 cm
0.2 x 0.2 mm

No. 91117-10
$ 33.50

Fine Forceps Angled





Angled

11 cm
0.2 x 0.2 mm

No. 91110-10
$ 31.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Feilchenfeld

SERRATED



Straight

9.5 cm
Tip Ø: 0.75 mm

No. 91139-09
$ 33.50

Straight

11.5 cm
Tip Ø: 1 mm

No. 91139-12
$ 33.50

Splinter Forceps

SERRATED



Straight
Sharp

10.5 cm
Tip Ø: 0.3 mm

No. 91156-11
$ 35.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Micro Adson

SERRATED
91118-12



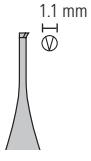
80% of actual size



Serrated

12 cm
Tip width: 0.7 mm

No. 91118-12
$ 25.50



1x2 teeth

12 cm
Tip width: 1.1 mm

No. 91119-12
$ 25.50

Adson

Wide, strong grip with narrow tips.

SERRATED
91106-12



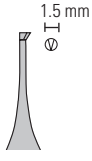
80% of actual size



Serrated

12 cm
Tip width: 1.5 mm

No. 91106-12
$ 25.00



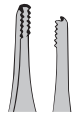
1x2 teeth

12 cm
Tip width: 1.5 mm

No. 91127-12
$ 35.00

Adson-Brown





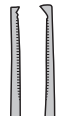
Shark teeth

12 cm
Tip width: 2.5 mm

No. 91162-12
$ 34.50

Adson with Cross Serrations





1x2 teeth
Cross-serrations

12 cm
Tip width: 1.3 mm

No. 91427-12
$ 35.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Standard Pattern

Broad pattern with strong spring action.

MOST POPULAR

91100-12



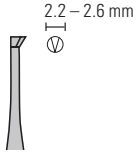
Anatomical Standard Pattern



Straight
Serrated

Tip width (mm)	Length (cm)	Item	Price
2.5	11.5	**No. 91100-12**	$ 18.00
2.7	13	**No. 91100-13**	$ 18.00
3	14.5	**No. 91100-14**	$ 20.00
3.5	16	**No. 91100-16**	$ 22.50
4	17	**No. 91100-17**	$ 23.00

Surgical Standard Pattern



Straight
1x2 teeth

Tip width (mm)	Length (cm)	Item	Price
2.2	12	**No. 91121-12**	$ 18.00
2.4	13	**No. 91121-13**	$ 18.00
2.6	14.5	**No. 91121-14**	$ 18.00
2.8	15.5	**No. 91121-15**	$ 18.50
3	16	**No. 91121-16**	$ 18.50
3.5	18	**No. 91121-18**	$ 19.50
4	20	**No. 91121-20**	$ 19.50
4.5	25	**No. 91121-25**	$ 20.00

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

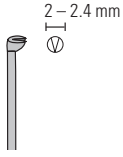
Anatomical Narrow Pattern



Straight
Serrated

Tip width (mm)	Length (cm)	Item	Price
1.5	11.5	**No. 91102-12**	$ 17.00
2.1	13	**No. 91102-13**	$ 17.50
2.2	14.5	**No. 91102-14**	$ 18.00
2.3	16	**No. 91102-16**	$ 18.50

Surgical Narrow Pattern



Straight
1x2 teeth

Tip width (mm)	Length (cm)	Item	Price
2	11.5	**No. 91123-12**	$ 18.00
2.2	14.5	**No. 91123-14**	$ 18.00
2.4	16	**No. 91123-16**	$ 19.00

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Semken

SERRATED





Straight

11.5 cm
Tip width: 1.2 mm

No. 91108-12
$ 24.50

Straight

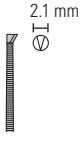
14.5 cm
Tip width: 2.2 mm

No. 91108-14
$ 24.50

Gillies



80% of actual size



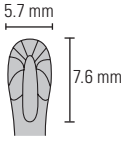
1x2 teeth
Cross-Serrated

15.5 cm
Tip width: 2.1 mm

No. 91128-15
$ 34.50

Russian





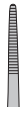
15 cm
Tip dimensions: 7.6 x 5.7 mm

No. 91126-15
$ 19.00

McIndoe

SERRATED





Serrated

15 cm
Tip width: 1.2 mm

No. 91138-15
$ 34.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Halsted-Mosquito





Straight
Serrated

12.5 cm
Tip width: 1.4 mm

No. 91308-12
$ 39.00



Curved
Serrated

12.5 cm
Tip width: 1.4 mm

No. 91309-12
$ 43.50



Curved
1x2 teeth and
Serrated

12 cm
Tip width: 1.9 mm

No. 91331-12
$ 33.00

Hartmann



% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.



Curved
Serrated

10 cm
Tip width: 1.6 mm

No. 91303-10
$ 32.50

STUDENT

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Crile



80% of
actual size



Straight
Serrated

14 cm
Tip width: 1.3 mm

No. 91304-14
$ 28.00

Curved
Serrated

14 cm
Tip width: 1.3 mm

No. 91305-14
$ 28.50

Straight
Serrated

16 cm
Tip width: 1.7 mm

No. 91304-16
$ 29.50

Curved
Serrated

16 cm
Tip width: 1.7 mm

No. 91305-16
$ 28.50

Kelly

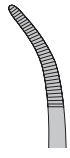




Straight
Serrated

14.5 cm
Tip width: 1.6 mm

No. 91318-14
$ 30.00



Curved
Serrated

14.5 cm
Tip width: 1.8 mm

No. 91319-14
$ 30.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Rochester-Pean



80% of
actual size



Straight
Serrated

14 cm
Tip width: 2 mm

No. 91316-14
$ 30.00

Curved
Serrated

14 cm
Tip width: 2 mm

No. 91317-14
$ 30.50

Straight
Serrated

16 cm
Tip width: 2.5 mm

No. 91316-16
$ 30.50

Curved
Serrated

16 cm
Tip width: 2.5 mm

No. 91317-16
$ 31.00

Pean





Straight
Serrated
Narrow

14 cm
Tip width: 2 mm

No. 91322-14
$ 30.00

Curved
Serrated
Narrow

14 cm
Tip width: 2 mm

No. 91323-14
$ 30.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

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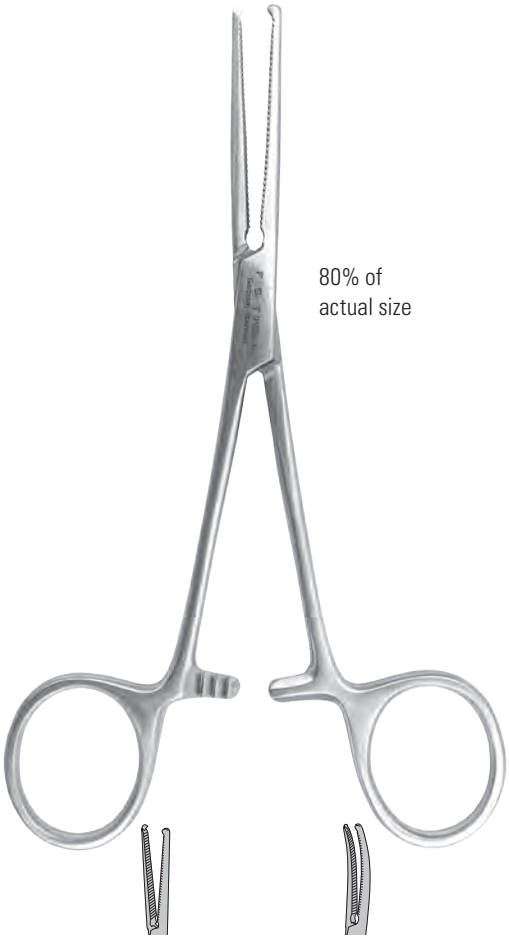
Ochsner-Kocher



80% of
actual size

Straight Serrated 1x2 teeth	Curved Serrated 1x2 teeth
14 cm Tip width: 2.2 mm	14 cm Tip width: 2.2 mm
No. 91328-14 $ 34.00	**No. 91329-14** $ 35.00
Straight Serrated 1x2 teeth	Curved Serrated 1x2 teeth
16 cm Tip width: 3 mm	16 cm Tip width: 3 mm
No. 91328-16 $ 36.00	**No. 91329-16** $ 37.00

Kocher



Straight Serrated Narrow 1x2 teeth	Curved Serrated Narrow 1x2 teeth
14 cm Tip width: 2.2 mm	14 cm Tip width: 2.2 mm
No. 91330-14 $ 30.50	**No. 91331-14** $ 31.50

% DISCOUNT

Quantity discount for student instruments:

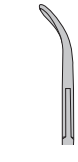
5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

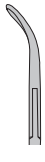
Backhaus Towel Clamp





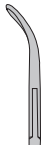
9 cm

No. 91195-09
$ 20.00



11 cm

No. 91195-11
$ 20.50

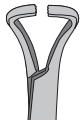


13 cm

No. 91195-13
$ 22.50

Tohoku Towel Clamp

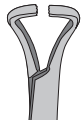




Serrated

10 cm
Tip width: 2.4 mm

No. 91194-10
$ 24.00



Serrated

13 cm
Tip width: 2.8 mm

No. 91194-13
$ 24.50



Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

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Lorna Towel Clamp





Serrated

13 cm
Tip width: 7 mm

No. 91196-13
$ 22.50

Babcock



Serrated

16 cm
Tip width: 6 mm

No. 91393-16
$ 30.50

% DISCOUNT

Quantity discount for student instruments:

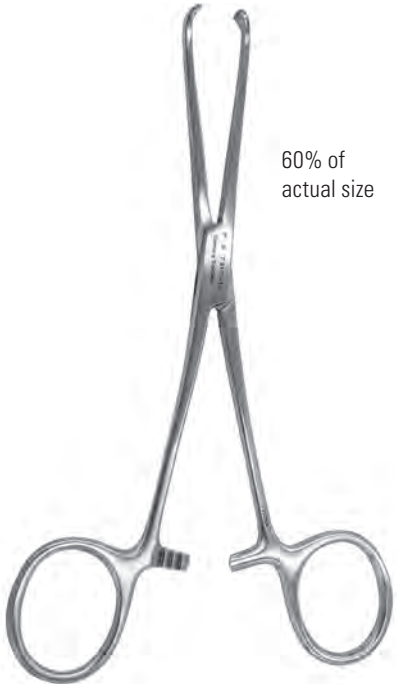
5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Allis Clamp

NEW ITEM



60% of actual size

5x6 Teeth

15 cm
Tip Width: 6 mm

No. 91191-15
$ 26.00

Hose Clamp

NEW ITEM



60% of actual size

Cross-Serrated

15 cm
Tip Width: 4 mm

No. 91198-15
$ 24.00

Lister Sine Clamp

NEW ITEM



60% of actual size

Serrated

16 cm
Tip Width: 3 mm

No. 91199-16
$ 26.50

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

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Pin Holder



0% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

For pins, see page 115.

Nickel-plated

7.5 cm
Jaw opening: 0-1 mm

No. 91606-07
$ 15.50

Halsey

MOST POPULAR



80% of actual size

For suture needles, see page 122 & 123.



Straight

13 cm
Tip width: 1.5 mm

clamping length: 18 mm
with lock
without scissors

No. 91201-13
$ 52.00

Mayo-Hegar



80% of actual size

For suture needles, see page 122 & 123.



Straight

16 cm
Tip width: 2.6 mm

clamping length: 21 mm
with lock
without scissors

No. 91204-16
$ 44.00

STUDENT

Senn-Miller





16 cm
3 sharp teeth 7 x 8 mm
1 blunt tooth 18 x 6 mm

No. 91790-16
$ 33.00

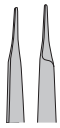


16 cm
3 blunt teeth 7 x 8 mm
1 blunt tooth 18 x 6 mm

No. 91791-16
$ 33.00

Vessel Dilator





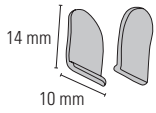
Angled 10°

11 cm
Tip diameter: 0.3 mm

No. 91815-11
$ 106.00

Spring-Loaded Retractor





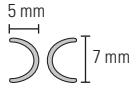
Curved atraumatic blades

8.5 cm
Maximum spread: 3 cm
Blade dimensions: 14 x 10 mm

No. 91706-05
$ 44.00

Barraquer





3 cm
Maximum spread: 1.1 cm
Tip dimensions: 5 x 7 mm

No. 91700-03
$ 18.50

Dieffenbach



Straight

35 mm
Strong pressure

No. 91850-35
$ 31.50

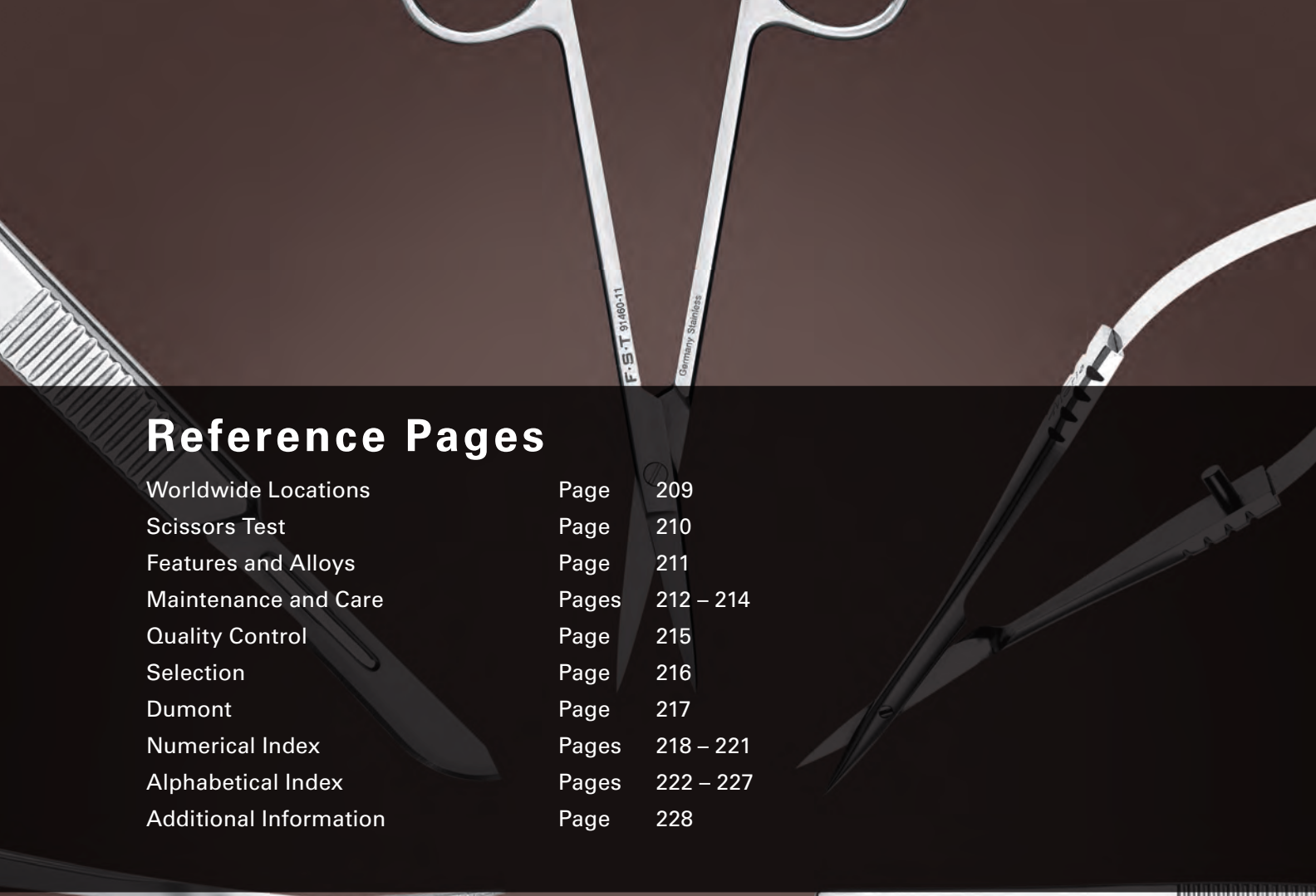
% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

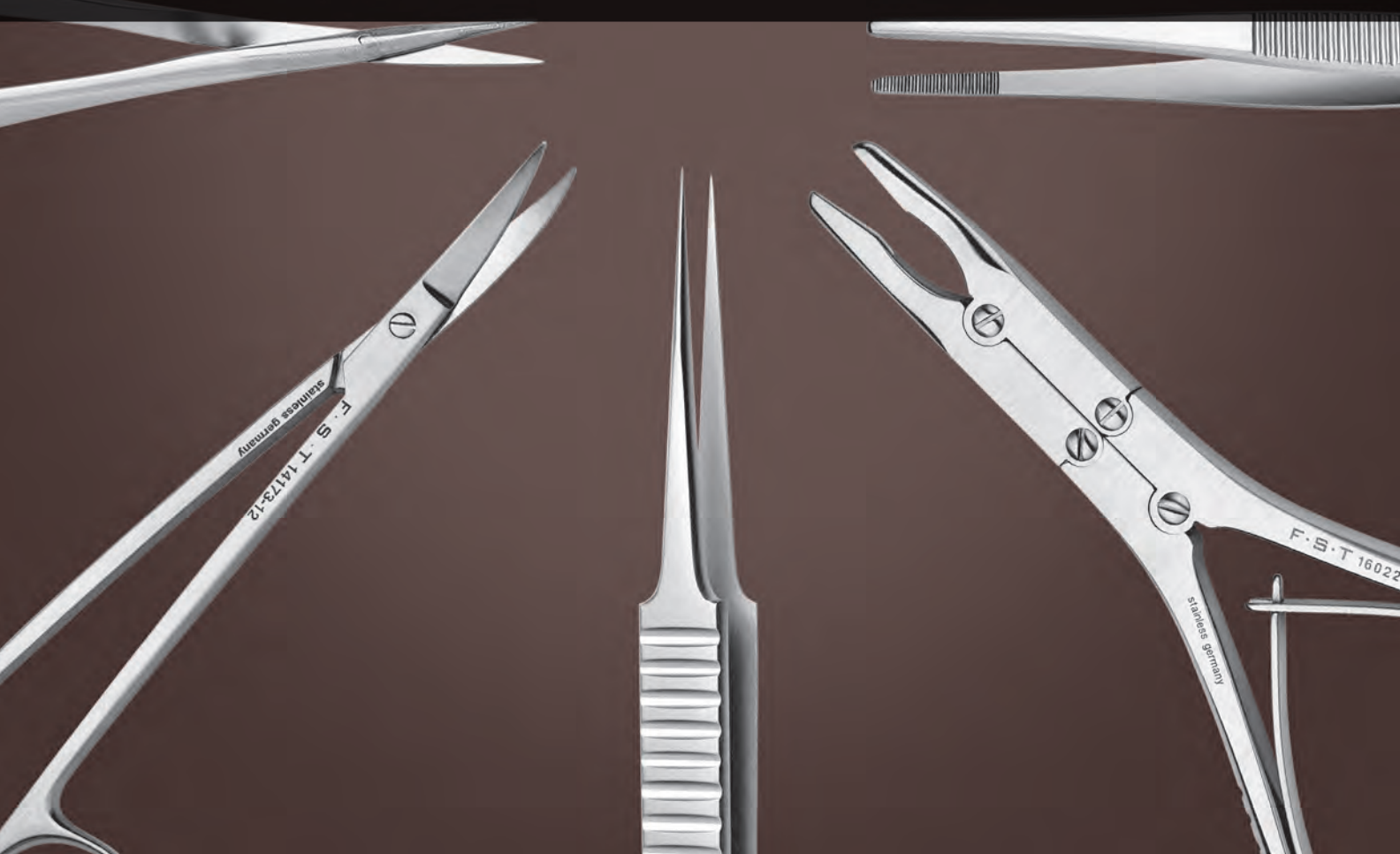
Per item, selection cannot be assorted for discount.

STUDENT



Reference Pages

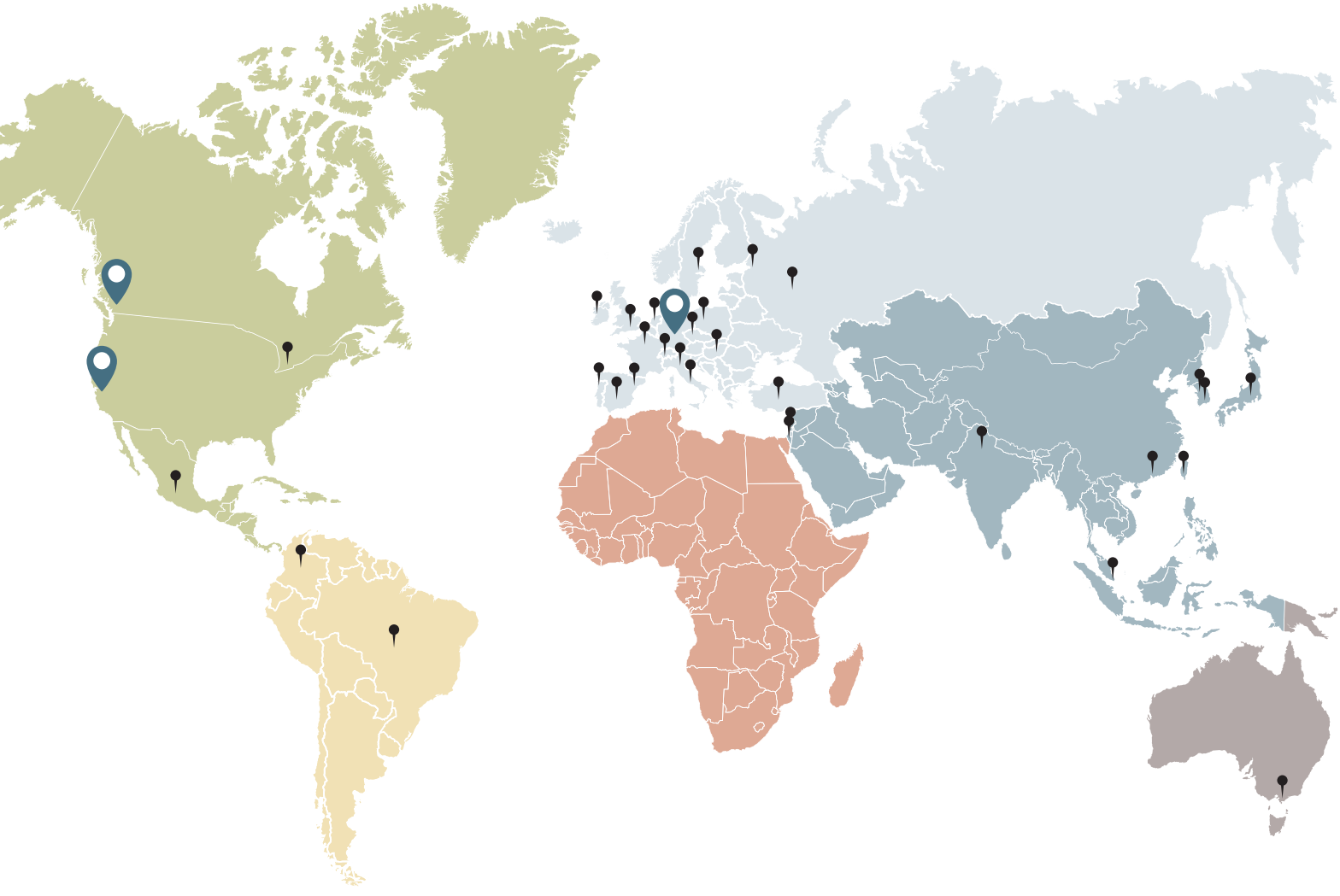
Worldwide Locations	Page	209
Scissors Test	Page	210
Features and Alloys	Page	211
Maintenance and Care	Pages	212 – 214
Quality Control	Page	215
Selection	Page	216
Dumont	Page	217
Numerical Index	Pages	218 – 221
Alphabetical Index	Pages	222 – 227
Additional Information	Page	228



Fine Science Tools Around the World

Commitment to excellence

For decades, we've demonstrated our commitment to excellence with genuine quality and a 100% satisfaction guarantee. As a result, our products continue to be the preferred instruments among scientists and biomedical researchers worldwide.



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RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Does paying more for a pair of scissors really buy more value and a longer cutting life?

Pictured below is a scissors testing device used to compare various alloys and cutting edge styles. The scissors repeatedly cut through a continuous feed of cotton cloth, and a counter keeps track of the number of cuts made to evaluate when the scissors begin to show a decrease in cutting quality.

The results verify that the addition of various features dramatically increases the cutting life of the scissors. Most notably, the cutting life is more than doubled with the addition of ToughCut blades to stainless steel, and over six times longer with CeramaCut blades.

See the chart below for a comparison of four different scissors sold by FST.



The cutting life is more than doubled with the addition of ToughCut blades to stainless steel, and over six times longer with CeramaCut blades.

Alloy/Material	Lasts longer than stainless steel by:
Tungsten Carbide	1.9x
Stainless Steel with ToughCut	2.3x
Tungsten Carbide with ToughCut	4.1x
CeramaCut (Ceramic Coated Tungsten Carbide with ToughCut)	6.6x

See page 211 for more information on ToughCut, Tungsten Carbide and CeramaCut.



Tungsten Carbide Instruments

- Golden handles (short gold plating)
- Last approx. 1.9x longer than stainless steel
- Is welded onto the cutting edges of scissors or tips of forceps and needles holders
- Available instruments: bone cutters, scissors, forceps, needles, needle holders, burrs

Look for this symbol

TUNGSTEN CARBIDE



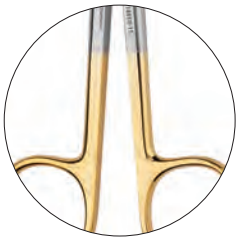
ToughCut® Scissors

- Black handles
- Last approx. 2.3x longer than stainless steel
- One cutting edge has micro serrations to minimize tissue slippage
- One cutting edge has increased sharpness (cutting edge with a 30° instead of 15° angle)

Look for this symbol

TOUGH CUT

ToughCut is a registered trademark of Fine Science Tools (USA) Inc.



Tungsten Carbide & ToughCut® Scissors

- Golden handles (long gold plating)
- Last approx. 4.1x longer than stainless steel
- One cutting edge has micro serrations to minimize tissue slippage
- One cutting edge has increased sharpness (cutting edge with a 30° instead of 15° angle)

Look for this symbol

TUNGSTEN CARBIDE TOUGH CUT



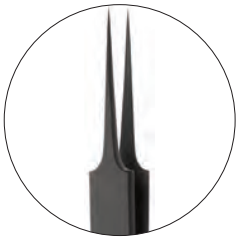
CeramaCut® Scissors

- Golden handles and black coating
- Last approx. 6.6x longer than stainless steel
- Cutting edges with Tungsten Carbide and Tough Cut plus ceramic coating
- Ceramic is one of the hardest materials on earth
- Reduced glare

Look for this symbol

CERAMA CUT

CeramaCut is a registered trademark of Fine Science Tools (USA) Inc.

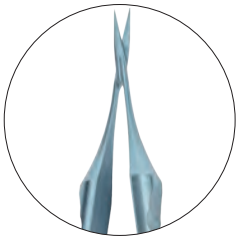


Ceramic Instruments

- Ceramic coating
- Last approx. 2.3x longer than stainless steel
- Ceramic is one of the hardest materials on earth
- Reduced glare
- Available instruments: Dumont forceps and spring scissors

Look for this symbol

CERAMIC COATED



Titanium Instruments

- Approx. 40% lighter than stainless steel
- Softer alloy than stainless steel
- Corrosion resistance (cannot rust)
- Non-Magnetic
- High temperature resistance up to 440°C / 824°F
- Available instruments: scissors, forceps, probes, hooks, spatula, vascular clamps

Look for this symbol

·TITANIUM·

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Maintenance and Care

Proper care of your surgical instruments will improve their longevity and function. Below are different cleaning, sterilization, and maintenance processes to guide you through your techniques.

General

Guidelines to extend the life of your surgical instruments.

- Clean and thoroughly dry your instruments as soon as possible after each use, paying special attention to joints, hinges, and anywhere there is metal to metal contact.
- Handle your instruments delicately and with care.
- Use your instruments for their intended purpose.
- Store your instruments with tip protectors, and always place them so that they do not touch each other.



Cleaning

Fine surgical instruments should be cleaned immediately after use. Blood or saline solutions left on instruments for any length of time can quickly start corrosive action. Time, temperature, and agitation play important roles in the cleaning process. Time affects the efficiency of cleaning solutions as most are effective after a certain time period. Higher temperature cleaning solutions result in better cleaning. During manual or ultrasonic cleaning it is helpful to loosen any surgical reminisce. Before any of the below procedures, rinse your instruments under warm running water to remove all blood and tissue. Instruments can be cleaned manually or ultrasonically, but always:

- ⚠ Use a neutral pH (pH 7) cleaning solution.
- ⚠ Clean instruments in the open position to ensure a thorough and effective cleaning process.
- ⚠ Use soft textile or paper cloths, soft plastic brushes made of nylon, or water spray guns.
- ⚠ Do NOT use steel wool, wire brushes, or scouring pads as these are abrasive to the instruments.



Manual Cleaning

- ⚠ Make sure all instruments are visibly clean and free from stains, wiping them carefully to remove all blood and tissue matter.
- ⚠ Rinse instruments thoroughly with distilled water, paying close attention to joints and hinges as these areas can accumulate unwanted material.
- ⚠ Air dry your instruments completely and use a can of compressed air to blow out any water at the joints and hinges. Then store them only in clean and dry environments.

Ultrasonic Cleaning



Ultrasonic cleaning is the most effective cleaning method. The vibrating sound waves create micron-sized bubbles in the solution that grow with the alternating pressure. When the bubbles reach a particular size, they collapse creating a force that dislodges dirt and particles, even in the smallest of crevices.

⚠ NOT recommended for delicate and micro instruments.

⚠ Follow the manufacturer's guidelines for specific instructions and cleaning cycle times. Instruments should be processed for the full recommended cycle time.

⚠ Place instruments in the open position in the ultrasonic cleaner.

- Do NOT allow instruments with sharp blades to touch other instruments.
- Do NOT place dissimilar metals (stainless, copper, chrome plated) in the same cleaning cycle.
- Make sure all instruments are completely submerged.

⚠ After the ultrasonic cleaning cycle is complete, rinse instruments thoroughly to remove all ultrasonic cleaning solution.

⚠ Dry instruments thoroughly with a clean towel.

⚠ Use a spray lubricant in the hinges to minimize the risk of corrosion and maintain functionality.

Sterilization

It is important that instruments are free from all traces of organic or other matter prior to sterilization.

Steam Sterilization/Autoclaving



The autoclave process utilizes moist heat (or steam) under pressure for sterilization. The steam used must be from distilled water and free of all impurities.

⚠ Lubricate all instruments that have any metal to metal interaction such as; scissors, rongeurs, needle holders, hemostats, and retractors. Do NOT use WD-40 or other industrial lubricants.

⚠ Instruments may be autoclaved individually or in sets.

- Individual instruments: Disposable wraps or sterilization pouches are ideal. Make sure the pouch size is sufficient for the instrument to be in an open (unlocked) position.
- Instrument sets: Open and unlock all instruments. Place the heavier instruments on the bottom of the set when two layers are needed.

⚠ Do NOT lock instruments during autoclaving. This will prevent the steam from reaching and sterilizing the metal to metal surfaces, and heat expansion during autoclaving can cause cracks in the hinge areas.

⚠ Do NOT over load the autoclave chamber as this may hinder steam penetration.

⚠ Place a towel on the bottom of the pan to absorb excess moisture during autoclaving. Make sure the towel has no detergent residue and is pH neutral if immersed in water.

⚠ At the end of the autoclave cycle (before the drying cycle) unlock the autoclave door and open it slightly. Run the dry cycle for the recommended time period by the autoclave manufacturer.

Please note: If the autoclave door is fully opened before the drying cycle, cold air will rush into the chamber, which can cause condensation on the instruments. This will result in water stains on the instruments.

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Hot Bead Sterilization

Recommended for speed and convenience when instrument tips or blade sterilization is required. The Hot Bead Sterilizer does not use dangerous gases, flames, or chemicals. Highlights:

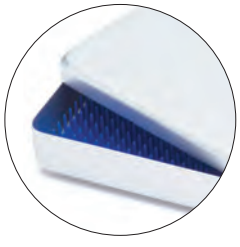
- Bench top set up.
- Only 20 seconds of contact required to ensure your instruments are free of pathogens and microbial contaminants.
- Beads reach temperature of 240˚ - 270˚C (464˚ - 518˚F) within 15-20 minutes heating time.

Please see page 158 – 159 for more information on the FST Hot Bead Sterilizers.



Ethylene Oxide (ETO) Sterilization

This method is recommended for instruments that will not tolerate high temperatures or moisture (e.g., catheters, cannulae, etc.). This is a process consisting of 4 primary variables; gas concentration, humidity, temperature and time. Sterilization pouches and wraps available, see pages 157 and 160.



Storage

Surgical instruments should be properly stored in a clean and dry environment. It is highly recommended to use tip protectors and instrument cases to avoid possible damage to your instruments. Instrument tip protectors are available, see page 156. Instrument cases are available, see pages 162 – 165.



Oxidation (Rust)

All FST stainless steel surgical instruments are manufactured from medical grade stainless steel under strict European standards. It is very important to properly take care of your instruments to extend their lifespan.

Although stainless steel is corrosive resistant, it can still rust or stain if handled improperly. Under unfavorable conditions instruments may oxidize because stainless steel that is exposed to physical, thermal, or chemical manipulations may lose some of its stainless properties.

Quality Control

The high quality of Fine Science Tools surgical and microsurgical instruments is the result of our relentless attention to detail. Almost every instrument we sell is manufactured by skilled European craftsmen, designed to exacting specifications made from the finest German stainless steel alloys, and forged from the strongest, lightest materials available, and tested to ensure precision performance and ergonomics.

We are dedicated to quality control, with technicians in our German office inspecting most FST instruments. Aside from checking instrument dimensions and specifications, we thoroughly inspect tip sharpness, cutting edges, springs, joints, and other various components. Only after passing our detailed inspections, instruments are approved and sealed with our "FST Inspected" sticker.

We are proud to guarantee all of our products with your 100% satisfaction. If, for any reason, you are not completely satisfied with your purchase, you may return it for a full refund.











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We Proudly Stock

Fine Science Tools is proud to offer a large selection of left-handed surgical instruments to the research community. To find our left-handed instruments in this catalog, look for the "left-handed" icon on the pages below.

Scissors: pages 17, 29

Hemostatic Forceps: page 99

Needle Holders: pages 119 – 120

Ligation Aid: page 143

FST features a selection of scissors with larger than normal finger loops. Most of these loops are easily adjustable to fit larger fingers more comfortably. To find our large loop scissors please look for the "large loop" icon on the pages below.

Scissors: pages 19, 28 and 31

Fine Science Tools has noted which items are most frequently purchased for use in a variety of surgical procedures. To find our most popular items, look for the "most popular" icon throughout the catalog.

Fine Science Tools offers a wide selection of the latest and most popular Dumont forceps. Hand crafted in Switzerland for more than a century, these forceps are known for their consistent and uncompromised fineness. Dumont forceps come in a wide array of styles and alloys. On page 217, you will find detailed descriptions to help guide you in choosing the right Dumont forceps best suited for your needs.

Moria of France is one of the most respected and well known ophthalmic instrument manufacturers in the world, offering some of the finest surgical instruments in the industry for almost 200 years.

Only quality Swedish and German stainless alloys are selected; and many hours of highly skilled labor are put into the manufacturing process, which includes hand crafted sharpening, balancing, and polishing, often done under 40x magnification. Moria's product line includes scissors, spring scissors, forceps, spoons, vessel clamps, and more.

This Swiss manufacturer has established itself as one of the premier suppliers of superb microsurgical instruments worldwide. Unique designs, precise instrument balance, and optimum angles gives S&T instruments the "right feel" which is important for all procedures. S&T's product line includes forceps, needle holders, scissors, vessel clamps, sutures, vessel cannulation forceps, vessel dilators, and more.

Finding the Dumont forceps best suited for your needs:

DUMONT SWISSMADE

Alloys	Hardness	Magnetic	Temperature resistance	Autoclavable	Advantages
Titanium	Least Hard	No	Up to 430° C	Yes	Resistant to corrosion from nitric acid, chloride, and salt water. Titanium is 40% lighter than stainless steel.
Dumoxel	Hard	No	400° C	Yes	The most popular alloy available for Dumont forceps offers the best resistance to corrosion, sulphuric environments, hydrochloric acids, and all other mineral and organic acids.
Inox	Harder	Yes	400° C	Yes	Available for most Dumont forceps. Contains chromium added to carbon steel, which results in some loss of hardness but offers good stainless qualities and resistance to corrosion.
Dumostar	Harder	No	500° C	Yes	More durable and corrosion resistant than the best stainless steels. Highly resistant to mineral and organic acids, and salt water. Dumostar lasts an average of four times longer than Dumoxel and Inox. Most cost effective alloy for laboratory use.
Carbon	Hardest	Yes	N/A	No	Extremely hard; ensuring strong tips. Easily stains and rusts without proper care. **Carbon cannot be immersed in a water bath or sterilized.**

Tip profiles: Dimensions vary. See each style for specific dimensions (width x thickness).	
Standard	Made for high precision and consistently precise work under a microscope.
Biology	Twice as fine as "Standard Tips." Especially produced for high precision laboratory work under the microscope.
Super Fine Tips	Four times finer than the "Standard Tips." These tips are extremely delicate for the finest work under the microscope. Extra care is needed for these tips as they are very fragile.

Styles	
#2	Straight forceps with wide yet fine tips, referred to as Mouse Laminectomy Forceps because of their popularity in breaking off delicate bone from mouse skulls.
#2AP	Epoxy coated with flat wide blunt tips.
#3	Long straight forceps with coarse tips. Popular in low magnification procedures.
#3C	Shorter version of #3.
#4	Similar to the #5 but with broader shanks and stronger tips.
#5	Most popular style of Dumont straight forceps with fine tips which come in several styles.
#55	Similar to the #5 but with lighter shanks, giving the forceps a lighter spring action.
#5CO	Similar to the #55 but with even finer shanks producing the lightest spring action and longest meeting surface of any Dumont style.
#5L	Medical #5 forceps with slide sleeve for a secure hold and retention.
#5SF	The finest tips ever produced by Dumont.
#5XL	Extra Long #5 forceps.
#5/45	Tips angled at 45°.
#5/45C	Designed to pick up cover slips from multi-well plates.
#5/90	Tips angled at 90°.
#5AC	Self-closing Anti-Capillary forceps.
#6	Sharply angled, broad tips.
#7	Most popular style of Dumont curved forceps with fine tips which come in several styles.
#7B	Curved serrated tips.
AA	Strong broad tips.
M	Mini forceps.
Medical	Denotes distinctive ribbed handle to maximize grip.
SS	Long and narrow shanks with thin tips.
WA	One piece design with no soldering grooves allows the forceps to be thoroughly and easily cleaned preventing biofilm residue.

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Item No.	Page No.
00071-14	137
00072-14	137
00081-00	166
00108-11	80
00109-11	80
00125-11	142
00126-11	142
00272-13	82
00276-13	142
00325-00	136
00396-01	136
00398-02	136
00400-03	136
00574-11	145
00608-11	145
00632-11	80
00649-11	80
10000-10	62
10000-11	62
10000-15	62
10002-00	61
10002-50	61
10003-12	60
10003-13	60
10004-13	59
10006-12	63
10007-12	61
10007-16	61
10009-13	59
10010-00	60
10010-10	63
10011-00	60
10011-10	63
10012-00	60
10015-00	60
10015-10	63
10020-00	59
10021-00	59
10022-00	59
10023-00	59
10025-23	56
10025-43	56
10025-44	56
10025-45	56
10025-50	56
10025-70	171
10025-71	171
10030-13	106
10031-13	106
10032-13	106
10033-13	106
10035-00	58
10035-05	58
10035-10	58
10035-12	58
10035-15	58
10035-20	58
10035-25	58
10035-30	58
10050-00	57
10052-11	57
10053-09	57
10053-13	57
10055-12	52
10056-12	52
10058-15	53
10059-13	52
10059-15	53
10060-00	62
10060-13	62
10061-12	107
10062-12	107
10063-15	106
10064-14	107
10065-15	106
10066-15	106
10073-14	52
10075-16	51
10080-05	51
10081-10	51
10082-15	51
10083-20	51
10087-12	110
10088-15	109
10089-11	110
10090-13	109
10090-17	109
10091-12	110
10092-12	110
10093-13	110
10094-13	110
10095-12	51
10096-16	51
10097-16	51
10098-06	111
10099-12	112
10099-15	112
10100-30	56
10100-45	56
10110-01	55
10110-03	55
10110-05	55
10110-07	55
10130-05	115
10130-10	115
10130-20	115
10140-01	107
10140-02	107
10140-03	107
10140-04	107
10152-30	54
10157-13	54
10157-15	54
10157-18	54
10160-13	109
10162-12	105
10165-11	108
10166-11	108
10167-11	108
10315-12	58
10316-14	58
10317-14	58
10318-14	58
10321-08	113
10360-13	113
10370-13	53
10370-17	113
10370-18	113
10370-19	113
11000-12	91
11000-13	91
11000-14	91
11000-16	91
11000-18	91
11000-20	91
11000-25	91
11000-30	91
11001-12	91
11001-13	91
11001-14	91
11001-16	91
11001-18	91
11001-20	91
11002-12	91
11002-13	91
11002-14	91
11002-16	91
11002-18	91
11002-20	91
11002-25	91
11003-12	91
11003-13	91
11003-14	91
11003-16	91
11003-18	91
11003-20	91
11006-12	89
11006-15	83
11008-13	92
11008-15	92
11009-13	92
11009-15	92
11010-17	97
11011-17	97
11012-18	97
11012-21	97
11012-25	97
11013-18	97
11013-21	97
11014-18	96
11015-18	96
11016-17	97
11017-17	97
11018-12	89
11019-12	89
11020-12	89
11021-12	94
11021-14	94
11021-15	94
11022-12	89
11022-14	94
11022-15	94
11023-10	94
11023-12	94
11023-14	94
11023-15	94
11024-18	97
11025-18	97
11026-15	95
11027-12	89
11028-15	95
11029-14	94
11030-12	90
11031-15	95
11032-12	89
11036-20	97
11036-90	97
11040-08	84
11041-08	84
11042-08	84
11043-08	84
11049-10	85
11050-10	85
11051-10	85
11052-10	85
11053-10	85
11054-10	85
11055-10	85
11062-10	86
11063-07	82
11064-07	84
11065-07	84
11066-07	84
11067-07	84
11069-08	84
11070-08	84
11071-10	86
11072-11	88
11073-10	87
11074-02	87
11075-00	87
11076-15	92
11080-02	96
11083-07	81
11084-07	81
11090-09	81
11090-10	81
11091-15	103
11092-12	103
11093-10	81
11095-09	102
11095-13	102
11096-10	103
11096-13	103
11101-09	88
11103-09	88
11106-09	88
11150-10	85
11151-10	85
11152-10	85
11153-10	85
11154-10	85
11155-10	85
11158-10	85
11159-10	85
11160-10	85
11200-00	154
11200-10	74
11200-12	74
11200-14	74
11200-33	73
11203-23	73
11203-25	73
11210-10	73
11210-20	73
11215-01	42
11215-02	42
11220-21	72
11223-20	72
11229-08	74
11229-10	74
11231-20	70
11231-30	70
11241-30	72
11242-40	72
11251-10	67
11251-20	67
11251-21	68
11251-23	67
11251-30	67
11251-33	69
11251-35	69
11252-00	65
11252-20	67
11252-21	68
11252-23	67
11252-30	67
11252-40	67
11252-50	65
11253-10	68
11253-20	66
11253-21	66
11253-25	66
11253-27	69
11253-29	66
11254-20	65
11255-20	67
11258-20	74
11260-20	70
11270-20	71
11271-30	71
11272-30	71
11272-40	71
11272-50	71
11273-20	66
11273-22	66
11274-20	71

11280-11 145
11281-11 145
11282-11 145
11293-00 70
11294-00 72
11295-00 67
11295-10 67
11295-20 65
11295-51 67
11297-00 71
11297-10 71
11370-31 78
11370-32 78
11370-40 78
11370-42 78
11373-12 78
11373-22 78
11383-50 79
11383-56 79
11390-25 79
11393-04 82
11393-05 82
11399-80 78
11399-87 78
11412-11 77
11413-11 77
11445-12 77
11480-11 77
11485-11 77
11487-11 77
11506-12 89
11515-02 43
11602-14 91
11602-16 96
11608-15 92
11616-15 90
11617-12 90
11626-11 69
11627-12 90
11650-10 85
11651-10 85
11652-10 85
11700-00 87
11700-01 87
11700-02 87
11700-03 87
11700-04 87
11900-14 83
11911-11 75
11915-11 75
11917-12 75
11923-13 76
11972-20 76
11980-13 76
11988-01 76
11988-02 76
11988-03 76
11990-14 75
11991-14 75
11992-12 75
11992-20 76
12001-13 118
12002-12 119
12002-14 119
12003-15 120
12004-16 120
12004-18 120
12005-15 121
12010-14 117
12018-12 125
12020-00 127
12020-09 127
12022-09 127
12022-19 127
12023-00 127
12028-12 125
12029-12 125
12030-01 126
12030-04 126
12030-20 126
12030-22 126
12030-23 126
12035-00 126
12040-01 125
12040-02 125
12040-03 125
12050-01 123
12050-02 123
12050-03 123
12050-10 123
12050-20 123
12051-08 122
12051-10 122
12051-11 122
12052-08 122
12052-09 122
12052-10 122
12052-11 122
12060-01 116
12060-02 116
12061-01 116
12061-02 116
12074-12 116
12075-12 116
12075-14 116
12076-12 116
12102-12 119
12500-12 118
12501-13 118
12502-12 119
12502-14 119
12503-15 120
12504-15 120
12505-15 121
12510-14 117
12512-12 119
12565-14 117
13002-10 102
13003-10 102
13004-14 100
13005-14 100
13006-12 98
13007-12 98
13008-12 99
13009-12 99
13010-12 99
13011-12 99
13012-12 99
13013-14 101
13014-14 101
13015-14 101
13018-14 100
13019-14 100
13020-12 98
13021-12 98
13108-12 99
13109-12 99
14000-12 29
14000-13 29
14000-14 29
14000-16 29
14000-18 29
14000-20 29
14001-12 29
14001-13 29
14001-14 29
14001-16 29
14001-18 29
14002-12 29
14002-13 29
14002-14 29
14002-16 29
14003-12 29
14003-13 29
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14004-12 29
14004-13 29
14004-14 29
14004-16 29
14004-18 29
14005-12 29
14005-13 29
14005-14 29
14005-16 29
14007-14 30
14008-14 29
14010-15 34
14010-17 34
14011-15 34
14011-17 34
14012-15 35
14012-17 35
14013-15 35
14013-17 35
14014-17 35
14015-17 35
14016-14 33
14016-18 33
14017-14 33
14017-18 33
14018-13 32
14018-14 32
14018-18 32
14019-13 32
14019-14 32
14019-18 32
14024-14 33
14028-10 22
14029-10 22
14037-10 28
14040-10 19
14041-10 19
14054-13 30
14058-09 20
14058-11 20
14059-09 20
14059-11 20
14060-09 17
14060-10 17
14060-11 17
14061-09 17
14061-10 17
14061-11 17
14062-09 17
14062-10 17
14063-09 17
14063-11 17
14064-11 24
14065-11 24
14066-11 24
14067-11 24
14068-12 19
14069-12 19
14070-12 19
14071-12 19
14072-10 27
14074-09 23
14074-11 23
14075-09 23
14075-11 23
14076-09 26
14077-09 24
14077-10 24
14078-10 22
14079-10 22
14080-11 27
14081-09 26
14082-09 26
14083-08 15
14084-08 15
14084-09 15
14085-08 15
14085-09 15
14086-09 27
14088-10 18
14090-09 16
14090-11 16
14091-09 16
14091-11 16
14094-11 16
14095-11 16
14101-14 31
14105-12 25
14106-09 28
14108-09 28
14110-15 34
14110-17 34
14111-15 34
14111-17 34
14116-14 33
14116-18 33
14117-14 33
14117-18 33
14130-17 30
14131-14 31
14160-10 17
14161-10 17
14171-10 28
14173-12 25
14184-09 15
14185-09 15
14200-21 35
14370-22 18
14370-23 18
14501-14 30
14502-14 30
14504-14 30
14505-14 30
14508-15 32
14509-15 32
14510-15 34
14510-17 34
14511-15 34
14511-17 34
14512-15 34
14512-17 34
14518-14 32
14518-18 32
14519-14 32
14519-18 32
14531-09 31
14558-09 21
14558-11 21
14559-09 21
14559-11 21
14568-09 20
14568-12 20
14569-09 20
14569-12 20
14574-09 23
14574-11 23
14575-09 23
14575-11 23
14958-09 21
14958-11 21
14959-09 21
14959-11 21

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

15000-00 4
15000-01 6
15000-02 6
15000-03 3
15000-04 3
15000-08 3
15000-10 4
15000-11 6
15000-12 6
15001-08 3
15002-08 3
15003-08 4
15004-08 4
15005-08 4
15006-09 8
15007-08 5
15008-08 4
15009-08 8
15010-09 11
15010-10 11
15011-12 10
15012-12 10
15013-12 10
15015-11 11
15017-10 10
15018-10 4
15019-10 4
15020-15 7
15021-15 7
15023-10 9
15024-10 9
15025-10 9
15027-18 12
15028-18 12
15030-14 13
15031-14 13
15032-08 14
15032-13 14
15033-09 9
15036-14 13
15037-14 13
15040-11 9
15042-11 9
15070-08 5
15071-08 5
15110-08 12
15111-08 12
15123-12 6
15124-12 6
15300-00 14
15370-50 8
15370-52 8
15371-92 12
15396-00 5
15396-01 5
15400-12 7
15401-12 7
15514-12 10
15610-08 6
15615-08 6
15617-08 6
15650-11 11
15651-11 11
15750-11 7
15751-11 7
16000-14 40
16001-15 37
16002-18 39
16004-16 40
16005-16 40
16015-17 37
16016-17 37
16020-14 36
16021-14 36
16022-15 39
16023-15 39
16025-14 49
16030-12 46
16030-16 46
16044-10 46
16050-15 47
16060-11 50
16101-10 44
16102-11 44
16103-11 43
16104-14 48
16104-19 48
16105-16 48
16106-14 48
16107-14 41
16109-14 41
16120-14 36
16121-14 36
16130-15 47
16140-11 45
16141-11 45
16142-11 45
16143-12 45
16144-13 45
16150-24 49
16152-11 46
16152-12 46
16152-15 46
16220-14 36
16221-14 36
17000-01 129
17000-02 129
17000-03 129
17000-04 129
17001-07 132
17002-02 129
17003-03 129
17004-03 129
17004-05 130
17005-03 129
17005-04 130
17006-05 132
17007-08 132
17008-07 131
17009-07 131
17009-08 131
17010-07 131
17011-10 133
17012-11 134
17012-13 134
17017-10 133
17018-11 134
17020-17 128
17021-13 128
17022-13 128
17023-13 128
17300-02 130
17300-03 130
17300-04 130
17370-53 130
18000-00 169
18000-01 169
18000-02 169
18000-03 169
18000-04 169
18000-10 144
18000-15 153
18000-18 167
18000-20 167
18000-30 151
18000-35 174
18000-45 158
18000-46 158
18000-47 159
18000-50 158
18000-51 158
18000-52 159
18004-18 167
18004-23 167
18004-27 167
18004-50 167
18010-00 168
18010-01 168
18010-02 168
18019-00 168
18019-01 168
18019-02 168
18020-00 123
18020-01 123
18020-02 123
18020-03 123
18020-20 123
18020-30 123
18020-40 123
18020-50 123
18020-60 123
18020-70 123
18025-10 82
18026-10 83
18030-30 123
18030-40 123
18030-50 123
18030-60 123
18030-70 123
18030-80 123
18035-01 170
18035-02 170
18035-03 170
18035-05 170
18035-35 170
18035-50 170
18035-80 170
18036-19 170
18036-22 170
18036-24 170
18038-45 139
18039-45 139
18040-00 141
18040-11 136
18040-14 137
18040-22 136
18040-33 136
18050-28 139
18050-35 139
18050-50 139
18051-28 139
18051-35 139
18051-50 139
18052-01 139
18052-02 139
18052-03 139
18052-12 143
18053-28 139
18054-28 139
18055-01 138
18055-02 138
18055-03 138
18055-04 138
18055-05 138
18055-06 138
18056-14 138
18057-14 138
18058-15 139
18058-18 139
18060-20 147
18061-10 147
18061-15 147
18061-18 147
18061-20 147
18061-22 147
18061-24 147
18061-38 147
18061-50 147
18061-75 147
18062-12 143
18062-13 143
18063-13 143
18064-20 147
18065-20 147
18067-11 105
18070-00 140
18070-10 140
18073-00 140
18080-01 141
18080-02 141
18080-03 141
18090-00 166
18090-45 159
18090-46 159
18090-50 159
18090-51 159
18105-01 170
18105-03 170
18106-01 170
18131-12 142
18132-12 142
18144-30 139
18155-13 86
18196-10 170
18200-01 135
18200-02 135
18200-03 135
18200-04 135
18200-05 135
18200-06 135
18200-07 135
18200-08 135
18200-09 135
18200-10 135
18200-11 135
18200-12 135
18200-20 135
18200-50 135
18320-11 139
18374-43 139
18374-44 139
18403-11 145
18406-11 145
18406-13 145
18555-01 138
18555-02 138
18555-03 138
18555-04 138
18601-15 93
18602-15 93
18603-14 93
18961-15 148
18961-17 148
18961-18 148
18961-20 148
18961-75 148
18961-85 148
19003-00 176
19003-01 176
19007-05 167
19007-07 167
19007-09 167
19007-14 167
19007-21 167
19007-29 167
19008-07 167
19008-09 167
19008-14 167
19009-00 50
19009-05 167

19009-07 167
19009-09 167
19010-00 50
19010-01 50
19010-10 50
19010-11 50
20311-21 164
20325-00 161
20325-10 161
20330-00 165
20330-01 165
20330-02 165
20330-03 165
20350-00 161
20810-01 162
20810-02 162
20820-00 162
20830-00 165
20830-01 165
20830-02 165
20830-03 165
20830-04 165
20830-05 165
20830-06 165
20831-10 166
20840-01 163
20840-02 163
20840-03 163
20842-03 163
20850-00 164
20850-10 164
20850-11 164
20890-51 164
20890-71 164
20890-72 164
23005-10 124
24201-00 152
24201-01 152
24202-01 151
24202-02 151
24202-03 151
24202-04 151
24202-05 151
24202-06 151
24202-11 151
24202-12 151
24202-13 151
24202-14 151
24202-15 151
24202-16 151
24212-01 150
24212-02 150
24213-02 150
24213-12 150
24214-02 150
24215-02 149
24220-00 152
24220-10 152
24220-50 152
24220-90 152
24916-02 149
26000-25 115
26000-30 115
26000-35 115
26000-40 115
26000-45 115
26000-50 115
26000-55 115
26000-60 115
26000-65 115
26000-70 115
26001-25 115
26001-30 115
26001-35 115
26001-40 115
26001-45 115
26001-50 115
26001-55 115
26001-60 115
26001-65 115
26001-70 115
26002-10 115
26002-15 115
26002-20 115
26003-15 115
26007-01 115
26007-02 115
26007-03 115
26007-04 115
26007-05 115
26016-12 114
26018-17 114
26029-10 88
26030-10 88
26100-00 50
27000-01 176
28000-07 157
28000-10 157
28000-12 157
28001-00 160
28001-02 160
28015-15 160
28015-25 181
28020-20 160
28020-28 181
28030-02 177
28030-03 177
28030-04 177
28030-10 177
28030-20 180
28030-25 180
28040-30 179
28050-30 179
28050-35 179
28080-10 178
28080-90 179
29000-00 154
29000-10 153
29000-10 182
29008-01 153
29008-12 153
29008-22 154
29015-50 153
29015-50 182
29025-01 175
29025-02 175
29026-10 175
29027-00 173
29051-45 153
29055-00 154
29060-00 156
29060-01 156
29060-02 156
29060-03 156
29060-04 156
29060-05 156
29060-06 156
29066-00 156
29066-01 156
29066-02 156
29066-03 156
29066-04 156
29070-01 155
29070-02 155
29070-03 155
29070-04 155
29070-05 155
29070-06 155
29070-07 155
29070-08 155
29070-09 155
29071-01 155
29071-02 155
29071-03 155
29071-04 155
29071-05 155
29071-06 155
29071-07 155
29071-08 155
29080-00 155
30051-10 171
30076-14 171
30085-15 173
30085-30 173
30087-00 174
30087-20 174
37500-00 172
37500-05 172
91003-12 192
91004-13 192
91100-12 197
91100-13 197
91100-14 197
91100-16 197
91100-17 197
91102-12 197
91102-13 197
91102-14 197
91102-16 197
91106-12 196
91108-12 198
91108-14 198
91110-10 194
91113-10 194
91115-10 194
91117-10 194
91118-12 196
91119-12 196
91121-12 197
91121-13 197
91121-14 197
91121-15 197
91121-16 197
91121-18 197
91121-20 197
91121-25 197
91123-12 197
91123-14 197
91123-16 197
91126-15 198
91127-12 196
91128-15 198
91138-15 198
91139-09 195
91139-12 195
91150-20 193
91156-11 195
91162-12 196
91191-15 205
91194-10 203
91194-13 203
91195-09 203
91195-11 203
91195-13 203
91196-13 204
91197-00 193
91198-15 205
91199-16 205
91201-13 206
91204-16 206
91303-10 199
91304-14 200
91304-16 200
91305-14 200
91305-16 200
91308-12 199
91309-12 199
91316-14 201
91316-16 201
91317-14 201
91317-16 201
91318-14 200
91319-14 200
91322-14 201
91323-14 201
91328-14 202
91328-16 202
91329-14 202
91329-16 202
91330-14 202
91331-12 199
91331-14 202
91393-16 204
91400-10 187
91400-12 187
91400-14 187
91401-10 187
91401-12 187
91401-13 187
91401-14 187
91402-10 187
91402-12 187
91402-13 187
91402-14 187
91404-12 187
91404-13 187
91404-14 187
91405-10 191
91405-11 187
91405-13 187
91405-14 187
91408-14 186
91409-15 189
91410-17 189
91411-17 189
91413-14 189
91413-18 189
91413-20 189
91416-14 190
91417-18 190
91419-14 190
91427-12 196
91460-11 186
91460-12 186
91461-11 186
91461-12 186
91468-12 188
91476-09 188
91500-09 186
91501-09 186
91601-11 191
91604-09 191
91606-07 206
91700-03 207
91706-05 207
91790-16 207
91791-16 207
91815-11 207
91850-35 207

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Alphabetical Index

A

Absorption Spears and Triangles 170
Adson forceps 89-90
- Adson 89
- Adson-Brown 90
- Adson DeBakey 90
- Adson-Graefe 90
- Micro Adson 89
- Micro Adson Fenestrated 89

Agricola retractor 130
Allis hemostatic forceps 103, 205
Alm retractors 131
Applicators .....
- Horizon ligation system 140
- Micro serrefine 137-138
- Suture clips 125-127

Applying forceps, clamp 137-138
Arc blade 58
Arteriotomy knives 52-53, 55-56
Artery scissors 27
Austin Chisel 51
AutoClip® System 127

B

Baby-Beyer 39
Baby-Mixter hemostatic forceps 101
Backhaus towel forceps 102
Balanced Instruments 93
Ball Tipped .....
- Spring Scissors 9
- Scissors 27

Beebee bone scissors 46
Beyer rongeurs 39
Biemer spring scissors 14
Biemer vascular clip 139
Bishop-Harman forceps 84
Bonn-Strabismus scissors 15
Blade .....
- Breakers 57
- Cartridges 63
- Holders 56-63

Blades .....
- Breakable 57
- Ceramic 56
- Diamond 56
- Obsidian 55
- Scalpel 58-60, 62-63

Blair retractor 128
Boehler bone cutter 47
Bone .....
- Cutters 41-48
- Delicate scraper 51
- Forceps 50
- Nipper 44-45
- Pliers 49
- Rongeurs 36-40
- Scissors 45-46
- Scissors, Student 191
- Scraper 51
- Screws, self-tapping 50
- Shears 49
- Wax 50

Bone cutters .....
- Beebee 46
- Bone Trimmers 41
- Boehler 47
- Cartilage Cutter 42-43
- Cleveland 48
- Dumont carbon steel 42
- Dumont epoxy coated 42
- Liston 48
- Littauer 46
- Malleus Nipper 45
- Micro 43
- Offset Bone Nipper 44
- Skull Flap 47
- Spring Scissors 45
- Tungsten Carbide 43, 46

Bone Nipper 44
Bonn .....
- Artery 27
- Forceps 79, 81
- Micro probes 106
- Moria 79
- Scissors 15, 27
- Strabismus 15

Book and DVD-Suturing Principles 124
Bowman retractor 132
Brush 170
Bulldog clamps 139
Burrs 167

C

Calipers .....
- Castroviejo 174
- Digital electronic 174
- Plastic Vernier 174

Cane blade 58
Cannulation aids 145
Cartilage Cutter 42-43
Cases, instrument 162-166
Castroviejo .....
- Caliper 174
- Needle holders 116-117
- Spring scissors 8-11

Cauterizer .....
- High Temperature 168-169
- Low Temperature 168
- Tips 168-169

CeramaCut, scissors 21
Ceramic .....
- About 211
- Blades 56
- Cutter 171
- Dumont forceps 65, 71
- Scissors 21
- Spring scissors 7, 11
- Titanium Spring Scissors 11

Chisels .....
- Austin 51
- Dissecting 51

Circle forceps 88
Circle knife 53
Clamps .....
- Applying forceps 137-138
- Bulldog Artery Spring Clamps 139
- Bulldog Type Serrefines 139
- Dietrich Bulldog Clamps 139
- Double Micro Clamps 136
- Horizon Ligation Clamps 140
- Micro Serrefines 138
- Mini Serrefines 139
- Moria 139
- S&T 136
- Schwartz Micro Serrefines 139
- Silver Neuro Clips 141
- Student 199-105, 207
- Titanium 138-139
- Towel 102-103, 203-204
- Vascular 136, 138-141
- Vascular Occluders 141

Cleveland bone cutters 48
Clip-On LED Light 180
Clipper style scissors 14
Cohan-Vannas spring scissors 6
Colibri retractor
- Colibri 129
- Mini 129
- Moria 130

Combination Probe and Spatula 109
Combination Spoon and Spatula 109
Components forceps, Dumont 74
Contacts, Gold wire 176
Corers, sample 170
Cover glass forceps 87
Cover slip forceps 69
Crile hemostatic forceps 100

Crile-Wood needle holders 120
Curettes, micro 51

D

DeBakey .....
Adson 90
Round Handle 92
Decapitation scissors 35
Demagnetizer 153
Diamond coated forceps 75
Diamond knives 56
Dietrich bulldog clamps 139
Digital Electronic Caliper 174
Dilator, vessel 142
Disposable safety scalpels 62-63
Disposable scalpel box 61
Dissecting Chisel 51
Dissecting knives 52-53
Double-Ended Micro Spatula 110
Double Micro Clamps 136
Double pronged tissue pick 105
Double tip protectors 156
Dowell spring scissors 9
Dressing forceps 81, 84-92
Dumont .....
Bone Cutter 42
Ceramic 65, 71
Components forceps 74
Coverslip 69
Epoxy 72-73
Forceps 42, 65-74, 193
Forceps sharpening stones 154
Laminectomy 72
Mini Forceps 74
Slide Lock 69
Super Fine Tip 65
Teflon 69
Titanium 67, 71
Tweezers 65-74, 193
Dura cutting knife 52
Dura hook 105

E

Ear .....
Punches 149-150
Tags 152
Tattoo system 152
Electronic timers 176
Etched micro needles 115
Eschenbach magnifiers 179-181
Extra Fine Bonn 15
Explorers 107

F

Feeding needles 147-148
File set 171
Filters, sterilization 164
Fine .....
Bonn 15
Forceps 75-85
Hemostats 98-99
Iris Scissors 16-21
Scissors 15-28
Spring scissors 3-14
Fixation forceps, Pierse 86
Fomon retractor 128
Forceps .....
Adson 89-90, 196
Adson-Brown 90, 196
Adson DeBakey 90
Adson-Graefe 90
Applying and removing 125
Bishop-Harman 84
Bone 50
Bonn 79, 81
Cannulation 145
Ceramic 65, 71
Circle 88
Components 74
Cover glass 87
Cover slip 69
Cross action 77, 87
DeBakey, round handle 92
Diamond coated 75
Dressing 81, 84-92
Dumont 42, 65-74, 193
Epoxy coated 72-73
Fine 75-85
Fixation 86
Gerald 96
Gillies 95
Gold plated 75
Graefe 84-85
Grasping 83
Hemostatic 98-102
Insect handling 88
Laminectomy 72
London 96
Micro 65-78
Mirror Finish 67, 77
Moria 78-79, 82
Mouse laminectomy 72
Mouse handling 97
Multipurpose 93
Narrow Pattern 91
Octagon 84
Organ holding 88, 95
Paufique forceps 79
Pierse fixation 86
Plastic 87
Potts-Smith 97
Repair kit 154
Replaceable Plastic Tip 76
Ring 88
Round Handle 83, 92-93
Russian 95
S&T 80, 82, 145
Self-Closing 77, 87
Semken 92
Standard Forceps 86-97
Standard Pattern 91
Student 193-198, 207
SuperGrip 80
Suture tying 81-83
Taylor 97
Titanium 67, 71, 78, 85, 91-92, 96
Troutman 82
Tungsten carbide 43, 89
Vitro Grasping 83
Vial 83
Friedman rongeur 40
Friedman-Pearson rongeur 36

G

Galilean Loupes 179
Gavage feeding needles 147-148
Gelpi retractor 133
GenoPunch 149
Gerald forceps 96
Gillies forceps 95
Gold plated forceps 75
Gold wire contacts 176
Goldstein .....
retractor 129
retractor Mini 129
Graefe .....
Forceps 85
Knife 52
Grasping forceps 83
Grease, silicone 153
Gross anatomy .....
Knives 54
Probe 109
Scalpel 62
Scissors 29-35
Guthrie retractor 128

H

Halsey needle holders 118, 206

RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

Halsted-Mosquito hemostatic forceps 99, 199
Handles, scalpel.....56-63
Hardened Fine Iris Scissors.....16
Hartman hemostatic forceps.....102, 199
Headband magnifier.....177
Headband, spectacles.....178-179
Heiss retractor.....133
Hemostatic forceps
Allis Clamp.....103, 205
Babcock.....204
Baby-Mixter.....101
Backhaus Towel Clamp 102, 203
Crile.....100,200
Fine 98
Halsted-Mosquito.....99, 199
Hartman.....102, 199
Hose Clamp.....205
Kelly.....100, 200
Kocher.....202
Left-handed.....99
Lister Sine Clamp.....205
Lorna Towel Clamp.....103, 204
Micro-Mosquito.....99
Ochsner-Kocher 202
Pean.....201
Providence-Hospital.....101
Rochester-Pean.....201
Smooth.....98
Student 199-205
Tohoku Towel Clamp **203**
Ultra Fine 98
Hippocampal dissecting tools.....112
Holders
Blade.....56-63
Ceramic blade.....56, 171
Micro needle.....114, 206
Needle 116-121, 206
Pin.....114, 206
Scalpel blade 56-63
Student 206
Hooks
Micro.....105-108
Spinal cord.....105
Y-Hook 108
V-Hook 143
Horizon Ligation System 140
Hose Clamp.....205
Hot bead sterilizers.....158-159

I

Identification .....
Ear punches.....149-150
Ear tags 152
Marker.....151
Tattoo system 152
Insect .....
Handling forceps.....88
Pins 115
Insert.....
Pin holders.....114, 206
Pins 115
Instrument .....
Beaker.....166
Cases 162-166
Holding spring 166
Oil.....154
Sharpening Stones.....153-154
Tape, identification 155
Tip protectors.....156
Iridectomy scissors..... 4-13, 16-21
Iris Spatulae..... 110

K

Kaye scissors.....28
Kelly hemostatic forceps.....100
Knives.....
Cataract 52
Circle.....53
Diamond.....56
Dura cutting 52
Gross anatomy 54
Gross anatomy (blade).....62
Micro.....52-53
Obsidian.....55
Sichel 52
Side Cut 53
Stone age.....55
Von Graefe.....52

L

LaGrange scissors 25
Laminectomy forceps, mouse 72
Large Loops 19, 28, 31
Left-handed .....
Fine scissors 17
Hemostatic forceps.....99
Ligation aid 143
Needle holders 119-120
Surgical scissors.....29
Lempert rongeur.....40
Lens paper.....153, 182
Lexer-Baby scissors.....22
Ligation aid.....143
Ligation system 140
Ligature scissors 26, 188
Lister scissors.....31, 189
Lister sine clamp 205
Liston gross anatomy cutter.....48
Littauer bone cutter.....46
Live Insect Handling Forceps 88
Long-term textile filter 164
Lorna clamp.....103, 204
Low Temperature Cauterizer.....168
Lubricant, silicone 153
Luer rongeur 37

M

Magnetic sterilization mat.....161
Magnifiers .....
Eschenbach Clip-On LED Light 180
Galilean Loupes.....179
Headband 177
Interchangeable Headset with LED 178
Magnifying Loupe with Micrometer .....
and LED 175
Spectacles 178-180
Stands 181
Scribolux.....181
Vario Flex.....181
Malleus Nipper 45
Mandrel.....167
Manipler®, skin stapler.....126
Manual and DVD, Suturing Principles
and Techniques in Laboratory Animals 124
Marker, skin, fur 151
Mat, silicone.....161
Mathieu needle holder 117
Max Detail spectacles 180
Mayo scissors.....34, 189
Mayo-Hegar needle holder 116
Mayo-Noble scissors 35
Mayo-Stille scissors.....35
Metzenbaum scissors .....
Baby scissors 32
Fino 32
Scissors 33
Student 190
ToughCut 33
Tungsten Carbide 32
Michel
Suture Clips.....125
Applying and Removing.....125
Micro.....
Bone cutter.....43-45
Cannulation System.....144
Cleaning Brush 170
Curettes.....51
Dissecting knives 52-53
Dissection scissors 3-14

Forceps 65-78
Hooks 106-107
Needles, etched 115
Needle holders 116
Needles and sutures 122-123
Points 106, 108
Probes 106, 108
Rongeurs 36-37
Serrefine applicators 137-138
Serrefines 136, 138-139
Spatulae 108, 110-111
Vannas 3-4
Micrometers 175
Micro-Mosquito Hemostat 99
Mini-Biemer spring scissors 14
Mini-Colibri retractor 129
Mini-Lister 31
Mini-Vannas spring scissors 3-5
Minutien pins 115
Mirror finish .....
Cutting spoon 113
Forceps 67, 77
Micro spatula 110
Moria .....
Forceps 78-79,82
Instrument case 164
Pin holders 114
Retractors 130
Scissors 18
Spoons 113
Spring scissors 5, 8, 12
Vascular clamps 139
Mosquito hemostatic forceps 99, 199
Mouse .....
Feeding needles 147-148
Laminectomy forceps 72
Handling forceps 97
Multipurpose forceps 93

N

Narrow Pattern Forceps 91
Needle Holders .....
Castroviejo 116-117
Crile-Wood 120
Halsey 118
Mathieu 117
Mayo-Hegar 120
Olsen-Hegar with Suture Cutter 119
Round Handled 116
Ryder Mini 121
Slim Elongated 121
with Suture Cutter 116, 119
Needles .....
Etched, micro 115
Feeding 147-148
Micro needles and sutures 122-123
Neuro punches 170
Neuro clips, silver 141
Noyes spring scissors 10
Nylon suture thread 123

O

Obsidian scalpels 55
Occluders, vascular 141
Octagon Forceps 84
Offset Bone Nipper 44
Oil, instrument 154
O-rings for forceps 154
Olsen-Hegar needle holders 19
Optical cleaning kit 153, 182
Organ holding forceps 88, 95

P

Pascheff-Wolff spring scissors 12
Paufique forceps 79
Pearson rongeur 37
Pen, Marker 151
Perforated Spoons 113
Pick, Double Pronged 104
Pierse fixation forceps 86
Pin holders 114, 206
Pins .....
Etched Tungsten Micro Needles 115
Insect 115
Insert 115
Minutien 115
Plastic cases 165
Plastic forceps 87
Plastic sterilization container 162-163
Plastic Vernier Caliper 174
Potts-Smith forceps 97
Pouches, sterilization 157
Probes .....
Bonn Micro 106
Combination Probe and Spatula 109
Gross Anatomy 109
Micro Hooks 106-107
Micro Points 106, 108
Probes and Explorers 107
Vessel Dilating 109
Providence-Hospital hemostatic forceps 101
PTFE feeding needles 148
Punches .....
Ear 149-150
Neuro 170

R

Repair kit, forceps 154
Replaceable .....
Forceps 76
Ear punch 150
Retractors .....
Agricola 130
Alm 131
Blade 129-132
Blair 128
Bowman 132
Colibri 129-130
Fomon 128
Hand 128
Heiss 133
Gelpi 133
Goldstein 129
Guthrie 128
Large 131-134
Mini-Goldstein 129
Mini-Colibri 129
Moria 130
Slide 129
Small 129-130
Speculum 130
Spring-Loaded 130, 132
Student 207
Systems 135
Weitlaner-Locktite 134
Wire 129-130, 132
Wullstein 134
Ring forceps 88
Roll up travel case 166
Rongeurs .....
Baby-Beyer 39
Beyer 39
Bone 36-41
Friedman 40
Friedman-Pearson 36
Lempert 40
Luer 37
Micro 36
Pearson 37
Round Handled .....
DeBakey forceps 92
Multipurpose forceps 93
Needle holder 116
Spring scissors 7
Suture tying forceps 83
Rulers .....
Label Tape 173
Steel 173
Russian forceps 95

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S

S&T
- Cannulation forceps 145
- Forceps 80, 82, 137, 142, 145
- Instrument beaker 166
- Micro needles and suture 122
- SuperGrip forceps 80
- Suture tying forceps 82
- Vascular clamps 136
- Vessel dilator 142

Safety scalpel
- Blade cartridges 63
- Disposable 62
- Handle 63

Sample corers 170
Saw, Circular 167
Scalpel
- Blade handles 56-63
- Blade removers 61
- Blades 56-60, 62-63
- Ceramic blades 56
- Disposal Box 61
- Disposal Safety 62
- Gross anatomy 62
- Obsidian 55
- Safety 62-63
- Stone age 55

Schwartz micro serrefine 139
Scissors
- Bone 45-46
- Bonn 15, 27
- CeramaCut 21
- Clipper 14
- Decapitation 35
- Dissector 26
- Dowell 9
- Fine 15-28
- Kaye 28
- LaGrange 25
- Large loops 19, 28, 31
- Left-handed 17, 29
- Lexer-Baby 22
- Ligature 26, 188
- Lister 31, 189
- Mayo 34, 189
- Mayo-Noble 35
- Mayo-Stille 35
- Metzenbaum 32-33, 190
- Mini-Lister 31
- Moria 5, 8, 12, 18
- Shea 25
- Spencer Ligature 26, 188
- Spring 3-14
- Standard Pattern 29, 31
- Stevens Tenotomy 24
- Strabismus 23
- Student 186-191
- Student Lister 189
- Surgical 29-35
- Titanium 6, 11
- ToughCut 6, 15, 20-21, 30, 33-34
- ToughCut with tungsten carbide 21
- Tungsten carbide 10, 20-21, 23, 30-32, 34,46
- Universal 172
- Utility 172
- Vitrectomy 13
- Walton 24

Screwdrivers 171
Screws, self-tapping 50
Secure scalpel handle 60
Self closing forceps 77, 87
Self-Sealing Sterilization Pouches 157
Semken forceps 92
Serrefines 138-139
Sharpening stones 153-154
Shea scissors 25
Shears, bone 49
Sichel knife 52
Silicone lubricant 153
Silicone mats 161
Silicone tips, forceps 97
Silk sutures 123
Skin marker 151
Skin staplers 125-127
Skull flap cutter 47
Slide retractors 129
Spatulae
- Combination Spoon and Spatula 109
- Combination Probe and Spatula 109
- Double-Ended Micro Spatula 110
- Hippocampal Dissecting Tool 112
- Iris Spatulae 110
- Micro Spatula 108, 110-111
- Micro Spatula Kit 111
- Mini Hippocampal Dissecting Tool 112
- Mirror Finish Micro Spatula 110

Spears, absorption 170
Spectacles Headband 179
Spectacles, magnifier 178-180
Spencer Ligature 26, 188
Spinal Cord Hook 105
Spoons
- Mini Perforated 113
- Mirror Finish Cutting 113
- Moria 113
- Perforated 113

Spring scissors
- Angled 3-4, 6, 8-13
- Ball Tipped 9
- Biemer 14
- Bone Cutter 45
- Castroviejo 8-11
- Ceramic coated 7, 11
- Clipper Scissors II 14
- Cohan-Vannas 6
- Dowell 9
- Extra fine 3-7, 13-14
- Iridectomy 3-14
- Micro-Vannas 3-4
- Mini-Vannas 5
- Moria 5, 8, 12
- Noyes 10
- Pascheff-Wolff 12
- Round Handled 7
- Serrated 5
- Student Vannas 186
- Titanium Vannas 6, 11
- ToughCut 6
- Trident II 12
- Vannas 3-8, 186
- Vannas-Miniature 6
- Vannas-Tubingen 4
- Vannas-Wolff 8
- Vessels 14
- Vitrectomy 13
- Wescott 11

Spring, instrument holding 166
Stage micrometers 175
Standard Pattern Forceps 91
Standard Pattern Scissors
- Large Loops 31
- Scissors 29-31
- Serrations 30
- ToughCut 30
- Tungsten Carbide 30

Staplers, skin 125-127
Sterilization
- Container 162-164
- Hot Bead Sterilizer 158-159
- Mats 161
- Pouches 157
- Tape 160
- Wraps 160

Stevens tenotomy scissors 24
Stone Age Scalpels 55
Strabismus 23
Student
- Adson, micro, -Brown forceps 196
- Allis clamp 205

Babcock clamp 204
Backhaus towel clamp....203
Barraquer retractor....207
Bone Scissors....191
Bone Cutter....191
Clamps....207
Crile hemostat....200
Dieffenbach clamp....207
Dumont forceps....193
Feilchenfeld forceps 195
Forceps....193-198
Gillies forceps 198
Halsey needle holder 206
Halsted-Mosquito hemostat 199
Hartmann hemostat....199
Hemostatic forceps....199-205
Hose clamp....205
Instruments, About....185
Kelly hemostat....200
Kocher hemostat....202
Lister scissors 189
Lister sine clamp....205
Lorna towel clamp 204
Mayo scissors 189
Mayo-Hegar needle holder....206
McIndoe forceps....198
Metzenbaum, baby scissors....190
Needle holder....206
Ochsner-Kocher hemostat....202
Pean hemostat....201
Pin holder....206
Retractor 207
Rochester-Pean hemostat....201
Russian forceps....198
Sanvenero scissors....186
Scalpel handle....192
Scissors....186-191
Semken forceps 198
Senn-Miller retractor....207
Spencer ligature scissors 188
Splinter forceps....195
Spring scissors, Vannas....186
Tohoku towel clamp....203
Vessel dilator 207
Wagner scissors 188
SuperGrip forceps 80
Surgical scissors....29-35
Left-handed....29
Surgical table....135
Suture ....
Clips, AutoClip....127
Clips, Michel....125
Needles 122-123
Nylon 123
S&T micro needles and suture 122
Suturing Principles and Techniques in .....
Laboratory Animals, Manual and DVD . 124
Thread 122-123
Tying forceps....79-83
With needle and thread....122
Swabs, Fiber Optic 170

T

Tags, Ear....152
Tape ....
Dispenser 160
Identification....155
Sterilization....160
Ruler Label 173
Tattoo system....152
Taylor forceps 97
Timers 174
Tip protectors 156
Tissue....
Pick 105
Scissors 27
Titanium....
About....211
Artery clamp....139
Ceramic coated spring scissors....11
Forceps 67, 71, 79, 84, 91-92, 96
Micro Point....108
Micro Spatula....108
Scissors 6, 11
Serrefines....138
Vascular Clamps....138-139
Y-Hook 108
Tools....171
ToughCut....
About....211
Bonn-Strabismus 15
Mayo....34
Metzenbaum 33
Scissors 6, 15, 20-21, 30, 33-34
Spring scissors....6
Scissors with tungsten carbide....21
Standard Pattern....30
Travel case....166
Trephines 167
Trident II spring scissors 12
Troutman tying forceps 82
Tungsten needles, etched 115
Tungsten carbide ....
About....211
Burrs 167
Cutter.... 42-43
Forceps....43, 89
Mayo....34
Metzenbaum Fino 32
Needle holders.... 117-121
Noyes....10
Scissors 10, 20-21, 23, 30-32, 34, 46
Scissors with ToughCut....21
Standard Pattern....30
Strabismus 23
Tweezers, Dumont.... 43, 65-74, 145, 193

U

Ultra Fine Clipper Scissors II....14
Ultra Fine Hemostat....98
Utility scissors....172

V

Vannas ....
Cohan-Vannas....6
Micro 3-4
Microserrations....5
Mini....5
Round handled 7
Spring scissors....3,8, 186
Student....186
Titanium 6
Vannas-Tübingen....4
Vannas-Wolff 8
Vascular clamps....136, 138-139
Vascular occluders 141
Vernier caliper....174
Vessel cannulation aids 93, 142, 145
Vessel cauterizer 168-169
Vessel dilating probe....109
Vessel dilators 93, 109, 142
Vessel spring scissors 14
Vetro grasping forceps....83
Vial forceps....83
VisorLight....177
Vitrectomy scissors....13
V-Hook....143
Von Graefe knife....52

W

Wagner....19
Walton....24
Wax 50
Weitlaner-Locktite retractor 134
Westcott spring scissors....11
Wire contacts, gold....176
Wire teeth retractor 131
Wound Closure....116-127
Wraps, sterilization....160
Wullstein retractor....134

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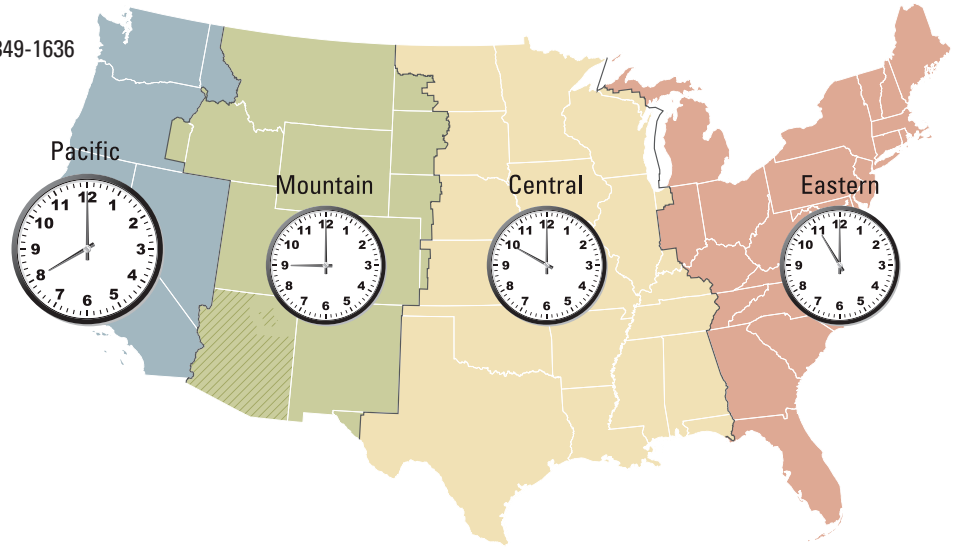

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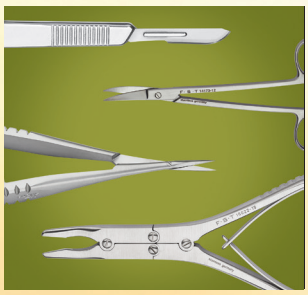
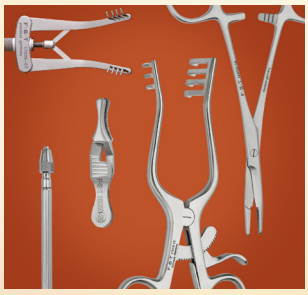


Scissors, Bone Instruments,
Knives & Scalpels
pages 3 – 63



Forceps & Hemostats
pages 65 – 103



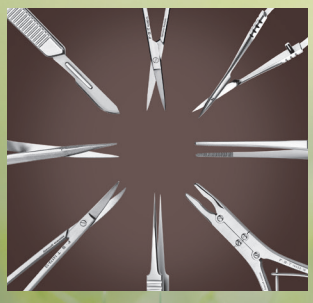
Probes, Needle Holders, Thread,
Retractors & Clamps
pages 105 – 145



Surgical & Laboratory
Accessories
pages 147 – 183



Student Quality Instruments
pages 186 – 207



Reference Pages
pages 209 – 227

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