F · S · T

FINE SCIENCE TOOLS

2023



FINE SURGICAL INSTRUMENTS FOR RESEARCH™

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.



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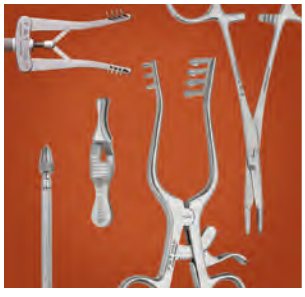

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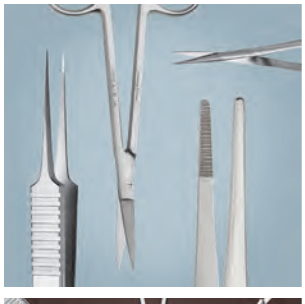

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Quality instruments with the student in mind
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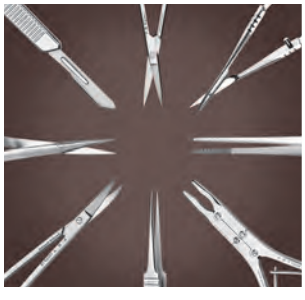

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Micro Vannas

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



Curved
Sharp / Sharp

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

No. 15000-04

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



Curved
Sharp / Sharp

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

No. 15001-08



Angled to side
Sharp / Sharp

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

No. 15002-08

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Micro Vannas

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

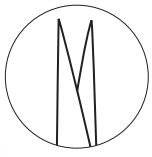
MOST POPULAR

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



Curved
Sharp / Sharp

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

No. 15000-10

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



Curved
Sharp / Sharp

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

No. 15019-10

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



Angled to side
Sharp / Sharp

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

No. 15008-08



Curved
Sharp / Sharp

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

No. 15004-08



Angled up
Sharp / Sharp

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

No. 15005-08

Vannas Scissors with Microserrations

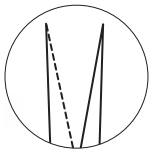
Microserrated to minimize slippage.

SERRATED

FST HAND CRAFTED

For more information see page 38.





300%



Straight
Sharp / Sharp

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

No. 15070-08



Straight
Sharp / Sharp

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

No. 15007-08



Curved
Sharp / Sharp

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

No. 15071-08

Miniature Vannas

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

Moria



Moria 9600



Straight
Sharp / Sharp

8 cm
Cutting edge: 5 mm
Tip Ø: 0.1 mm

No. 15396-00

Moria 9601



Curved
Sharp / Sharp

8 cm
Cutting edge: 5 mm
Tip Ø: 0.1 mm

No. 15396-01

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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



Curved
Sharp / Sharp

9.5 cm
5 mm
Tip Ø: 0.3 mm

No. 15615-08



Angled up
Sharp / Sharp

9.5 cm
5 mm
Tip Ø: 0.3 mm

No. 15617-08

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



Curved
Sharp / Sharp

6 cm
6 mm
Tip Ø: 0.1 mm

No. 15000-01

Straight
Blunt / Blunt

6 cm
6 mm
Tip Ø: 0.15 mm

No. 15000-12

Curved
Blunt / Blunt

6 cm
6 mm
Tip Ø: 0.15 mm

No. 15000-11

ToughCut® Spring Scissors

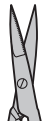
TOUGH CUT

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



Curved
Sharp / Sharp

12.5 cm
6 mm
Tip Ø: 0.3 mm

No. 15123-12

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



Curved
Sharp / Sharp

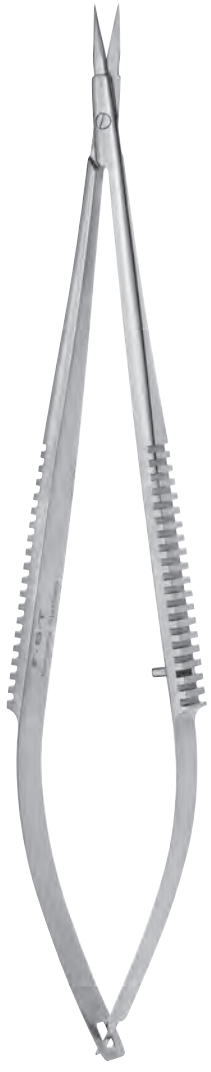
12.5 cm
Cutting edge: 6 mm
Tip Ø: 0.075 mm

No. 15401-12

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



Curved
Sharp / Sharp

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

No. 15021-15

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



Curved
Sharp / Sharp

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

No. 15751-11

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Vannas-Wolff



Moria MC52



Straight
Sharp / Sharp

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

No. 15370-52

Moria MC50



Curved
Sharp / Sharp

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

No. 15370-50

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

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

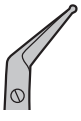
Castroviejo with Ball Tip

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

FST HAND CRAFTED

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

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



Straight
Blunt / Blunt

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

No. 15025-10



Curved
Sharp / Sharp

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

No. 15023-10

Dowell

FST HAND CRAFTED

For more information see page 38.

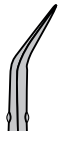




Straight
Sharp / Sharp

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

No. 15040-11



Angled up
Sharp / Sharp

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

No. 15042-11

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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

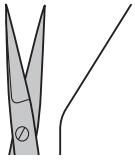
No. 15012-12



Curved
Sharp/Sharp

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

No. 15011-12



Angled up
Sharp/Sharp

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

No. 15013-12

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

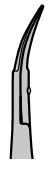
No. 15514-12

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

Ceramic Coated Titanium Castroviejo

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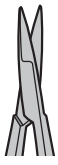
For more information see page 38.

·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



Curved
Sharp/Sharp

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

No. 15651-11

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

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



Angled up
Sharp/Sharp

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

No. 15010-10

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Trident II

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

FST HAND CRAFTED

For more information see page 38.





Straight
Sharp / Sharp

8 cm
Cutting edge: 8 mm
Tip Ø: 0.2 mm

No. 15110-08



Angled to side
Sharp / Sharp

8 cm
Cutting edge: 8 mm
Tip Ø: 0.2 mm

No. 15111-08

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

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

Curved
Sharp / Sharp

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

No. 15027-18

Micro Scissors

With microserrations to minimize slippage.

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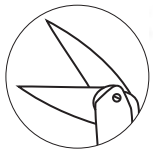
For more information see page 38.



300%



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Straight
Sharp / Sharp

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

No. 15030-14



Angled to side
Sharp / Sharp

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

No. 15031-14

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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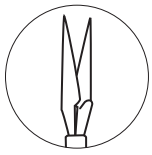
For more information see page 38.



300%



300%



Straight
Sharp / Sharp

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

No. 15036-14



Angled 90°
Sharp / Sharp

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

No. 15037-14

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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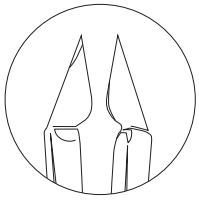
For more information see page 38.





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

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



Straight
Blunt/Blunt

13 cm
Cutting edge: 2 mm
Tip Ø: 2 mm

No. 15032-13

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



Curved
Sharp/Sharp

8.5 cm
Cutting edge: 10 mm

No. 14085-08



Straight
Sharp/Blunt

8.5 cm
Cutting edge: 10 mm

No. 14083-08

Bonn

Highly polished.





Straight
Sharp/Sharp

9 cm
Cutting edge: 10 mm

No. 14184-09



Curved
Sharp/Sharp

9 cm
Cutting edge: 10 mm

No. 14185-09

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



Curved
Blunt/Blunt

9 cm
Cutting edge: 10 mm

No. 14085-09

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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

11 cm
Cutting edge: 16 mm

No. 14090-11



Curved
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14091-09

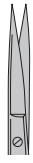
11 cm
Cutting edge: 16 mm

No. 14091-11

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



Curved
Sharp / Sharp

10.5 cm
Cutting edge: 16 mm

No. 14095-11

Iris Scissors

Delicate pattern.

MOST POPULAR

14060-11





Straight
Sharp/Sharp

9 cm
Cutting edge: 16 mm

No. 14060-09

10.5 cm
Cutting edge: 16 mm

No. 14060-10

11.5 cm
Cutting edge: 18 mm

No. 14060-11



Curved
Sharp/Sharp

9 cm
Cutting edge: 16 mm

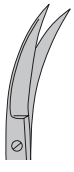
No. 14061-09

10.5 cm
Cutting edge: 16 mm

No. 14061-10

11.5 cm
Cutting edge: 18 mm

No. 14061-11



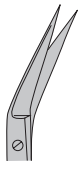
Curved to side
Sharp/Sharp

9 cm
Cutting edge: 16 mm

No. 14062-09

10.5 cm
Cutting edge: 16 mm

No. 14062-10



Angled to side
Sharp/Sharp

9 cm
Cutting edge: 16 mm

No. 14063-09

11.5 cm
Cutting edge: 16 mm

No. 14063-11

Left Handed Iris Scissors

LEFT HANDED

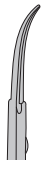




Straight
Sharp/Sharp

10.5 cm
Cutting edge: 18 mm

No. 14160-10



Curved
Sharp/Sharp

10.5 cm
Cutting edge: 18 mm

No. 14161-10

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Moria Iris Scissors



Moria 4877



Straight
Sharp / Sharp

12.5 cm
Cutting edge: 14 mm

No. 14370-22

Moria 4878



Shallow curve
Sharp / Sharp

10.5 cm
Cutting edge: 14 mm

No. 14370-23

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

Large Loops Scissors

LARGE LOOP





Straight
Sharp / Sharp

10 cm
Cutting edge: 16 mm

No. 14040-10



Curved
Sharp / Sharp

10 cm
Cutting edge: 16 mm

No. 14041-10

Wagner

SERRATED
14070-12
14071-12





Straight
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 14068-12



Curved
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 14069-12



Straight
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 14070-12



Curved
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 14071-12

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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

11.5 cm
Cutting edge: 16 mm

No. 14058-11



Curved
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14059-09

11.5 cm
Cutting edge: 16 mm

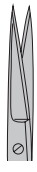
No. 14059-11

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

11.5 cm
Cutting edge: 16 mm

No. 14568-12



Curved
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14569-09

11.5 cm
Cutting edge: 16 mm

No. 14569-12

ToughCut® and Tungsten Carbide

TUNGSTEN CARBIDE TOUGH CUT

For more information see page 211.





Straight
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14558-09

11.5 cm
Cutting edge: 16 mm

No. 14558-11

Curved
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14559-09

11.5 cm
Cutting edge: 16 mm

No. 14559-11

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

9 cm
Cutting edge: 16 mm

No. 14958-09

11.5 cm
Cutting edge: 16 mm

No. 14958-11

Curved
Sharp / Sharp

9 cm
Cutting edge: 16 mm

No. 14959-09

11.5 cm
Cutting edge: 16 mm

No. 14959-11

Fine Scissors





Straight
Sharp / Blunt

10 cm
Cutting edge: 17 mm

No. 14028-10



Curved
Sharp / Blunt

10 cm
Cutting edge: 17 mm

No. 14029-10

Lexer-Baby





Straight
Blunt / Blunt

10 cm
Cutting edge: 16 mm

No. 14078-10



Curved
Blunt / Blunt

10 cm
Cutting edge: 16 mm

No. 14079-10

Strabismus





Straight
Blunt/Blunt

9 cm
Cutting edge: 13 mm

No. 14074-09

11.5 cm
Cutting edge: 17 mm

No. 14074-11

Curved
Blunt/Blunt

9 cm
Cutting edge: 13 mm

No. 14075-09

11.5 cm
Cutting edge: 17 mm

No. 14075-11

Tungsten Carbide Strabismus

TUNGSTEN CARBIDE

For more information
see page 211.





Straight
Blunt/Blunt

9 cm
Cutting edge: 13 mm

No. 14574-09

11 cm
Cutting edge: 18 mm

No. 14574-11



Curved
Blunt/Blunt

9 cm
Cutting edge: 13 mm

No. 14575-09

11 cm
Cutting edge: 18 mm

No. 14575-11

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Walton





Slightly curved
Sharp / Sharp

9.5 cm
Cutting edge: 10 mm

No. 14077-09



Slightly curved
Sharp / Sharp

10.5 cm
Cutting edge: 12 mm

No. 14077-10

Stevens Tenotomy





Straight
Sharp / Sharp

11 cm
Cutting edge: 13 mm

No. 14064-11



Straight
Blunt / Blunt

11 cm
Cutting edge: 13 mm

No. 14066-11



Curved
Sharp / Sharp

11 cm
Cutting edge: 13 mm

No. 14065-11



Curved
Blunt / Blunt

11 cm
Cutting edge: 13 mm

No. 14067-11

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

Shea

Transplant scissors with light and delicate pattern.





Curved
Blunt/Blunt

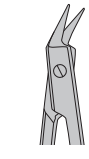
12 cm
Cutting edge: 13 mm

No. 14105-12

Dissector Scissors

Slim blades for cutting tissue.





Angled to side
Sharp/Sharp

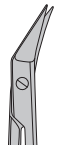
10 cm
Cutting edge: 5 mm

No. 14081-09

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

Spencer Ligature

Used for cutting stitches or suture.





Straight
Sharp/Sharp

9 cm
Cutting edge: 13 mm

No. 14076-09

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



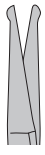
Straight
Sharp/Ball tip

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

No. 14080-11

Tissue Separating Scissors





Straight
Blunt/Blunt

11.5 cm
Cutting edge: 15 mm

No. 14072-10

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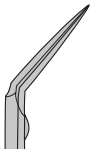
Graefe





Sharply angled up
Sharp / Sharp

10.5 cm
Cutting edge: 9 mm

No. 14037-10

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



Straight
Blunt / Blunt

9.5 cm
Cutting edge: 8 mm

No. 14108-09

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

Standard Pattern

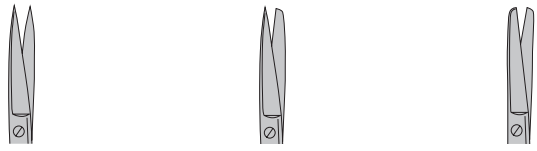
MOST POPULAR
14001-12 – 14001-18

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		No. 14001-12		No. 14000-12	
13	26	No. 14002-13		No. 14001-13		No. 14000-13	
14.5	29	No. 14002-14		No. 14001-14		No. 14000-14	
16.5	33	No. 14002-16		No. 14001-16		No. 14000-16	
18.5	36			No. 14001-18		No. 14000-18	
20	39					No. 14000-20	

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



Length (cm)	Cutting edge (mm)	Curved Sharp/Sharp	Price	Curved Sharp/Blunt	Price	Curved Blunt/Blunt	Price
12	26	No. 14005-12		No. 14004-12		No. 14003-12	
13	26	No. 14005-13		No. 14004-13		No. 14003-13	
14.5	29	No. 14005-14		No. 14004-14		No. 14003-14	
16.5	33	No. 14005-16		No. 14004-16		No. 14003-16	
18.5	36			No. 14004-18		No. 14003-18	
20	39					No. 14003-20	

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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

Straight
Sharp/Blunt
17.5 cm
Cutting edge: 40 mm
No. 14130-17

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

Straight
Sharp/Blunt
14.5 cm
33 mm
No. 14501-14

Curved
Sharp/Sharp
14.5 cm
33 mm
No. 14505-14

Curved
Sharp/Blunt
14.5 cm
33 mm
No. 14504-14

Standard Pattern with Serrations

SERRATED



80% of actual size

Straight
Sharp/Blunt
14 cm
29 mm
No. 14007-14

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

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

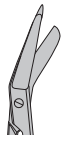
Lister

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

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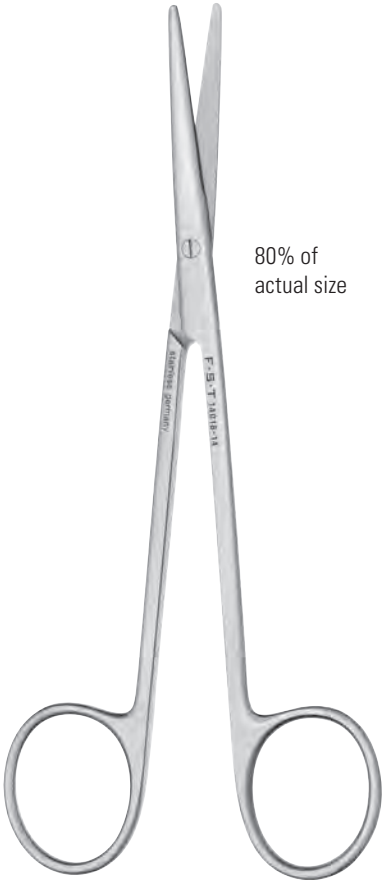
Metzenbaum Baby



80% of
actual size



Straight
Blunt/Blunt

13 cm
Cutting edge: 21 mm

No. 14018-13

14.5 cm
Cutting edge: 21 mm

No. 14018-14

18 cm
Cutting edge: 23 mm

No. 14018-18



Curved
Blunt/Blunt

13 cm
21 mm

No. 14019-13

14.5 cm
21 mm

No. 14019-14

18 cm
23 mm

No. 14019-18

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



Straight
Blunt/Blunt

14.5 cm
21 mm

No. 14518-14

18 cm
26 mm

No. 14518-18



Curved
Blunt/Blunt
Ultra fine tips

14.5 cm
21 mm

No. 14509-15



Curved
Blunt/Blunt

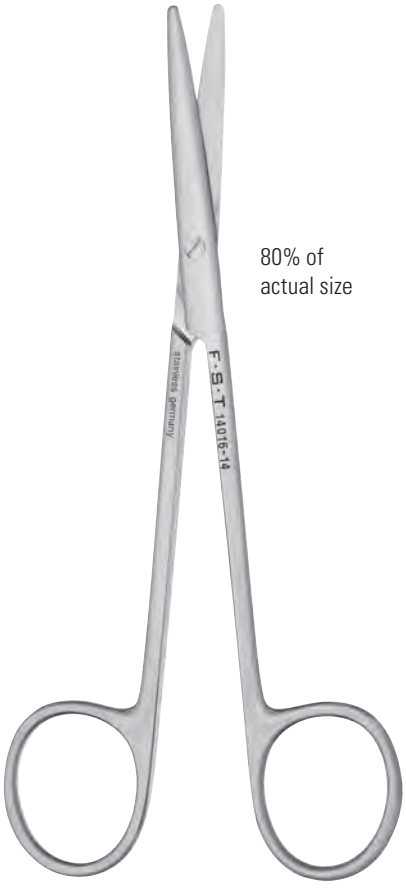
14.5 cm
21 mm

No. 14519-14

18 cm
26 mm

No. 14519-18

Metzenbaum



80% of
actual size



Straight
Sharp/Blunt

14.5 cm
Cutting edge: 23 mm

No. 14024-14



Straight
Blunt/Blunt

14.5 cm
Cutting edge: 23 mm

No. 14016-14

18 cm
Cutting edge: 23 mm

No. 14016-18



Curved
Blunt/Blunt

14.5 cm
Cutting edge: 23 mm

No. 14017-14

18 cm
Cutting edge: 23 mm

No. 14017-18

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

18 cm
Cutting edge: 21 mm

No. 14116-18



Curved
Blunt/Blunt

14.5 cm
Cutting edge: 17 mm

No. 14117-14

18 cm
Cutting edge: 21 mm

No. 14117-18

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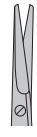
Mayo



80% of actual size



Straight
Blunt/Blunt

15 cm
Cutting edge: 27 mm

No. 14010-15

17 cm
Cutting edge: 33 mm

No. 14010-17



Curved
Blunt/Blunt

15 cm
27 mm

No. 14011-15

17 cm
33 mm

No. 14011-17

ToughCut® Mayo

TOUGH CUT

For more information see page 211.



80% of actual size



Straight
Blunt/Blunt

15 cm
26 mm

No. 14110-15

17 cm
33 mm

No. 14110-17



Curved
Blunt/Blunt

15 cm
26 mm

No. 14111-15

17 cm
33 mm

No. 14111-17

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

17 cm
33 mm

No. 14510-17



Curved
Blunt/Blunt

15 cm
26 mm

No. 14511-15

17 cm
33 mm

No. 14511-17



Straight
Blunt/Blunt

15 cm
26 mm

No. 14512-15

17 cm
33 mm

No. 14512-17

Mayo-Stille



80% of actual size



Straight
Blunt/Blunt

15 cm
Cutting edge: 27 mm

No. 14012-15

17 cm
Cutting edge: 31 mm

No. 14012-17

Curved
Blunt/Blunt

15 cm
Cutting edge: 27 mm

No. 14013-15

17 cm
Cutting edge: 31 mm

No. 14013-17

Mayo-Noble



80% of actual size



Straight
Blunt/Blunt

16.5 cm
Cutting edge: 29 mm

No. 14014-17

Curved
Blunt/Blunt

16.5 cm
Cutting edge: 29 mm

No. 14015-17

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

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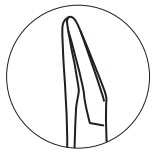
Friedman-Pearson

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	**No. 16221-14**
14 cm 0.7 mm Cup	14 cm 0.7 mm Cup
No. 16120-14	**No. 16121-14**
14 cm 1 mm Cup	14 cm 1 mm Cup
No. 16020-14	**No. 16021-14**

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

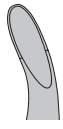
Sharply Curved

17 cm
1.2 mm Cup

No. 16016-17

Luer





Curved

15 cm
4 mm Cup

No. 16001-15

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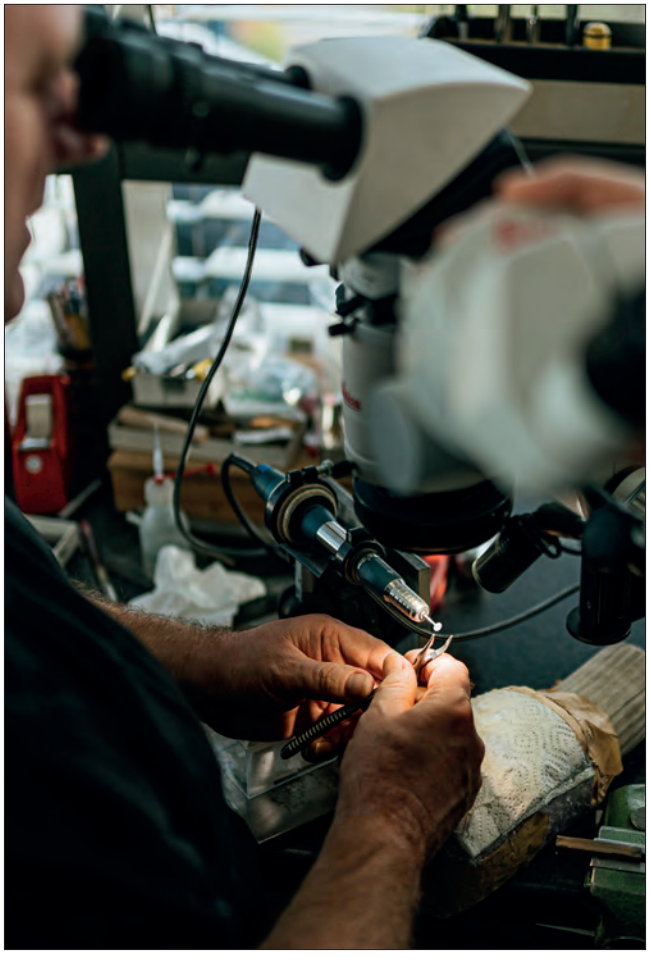




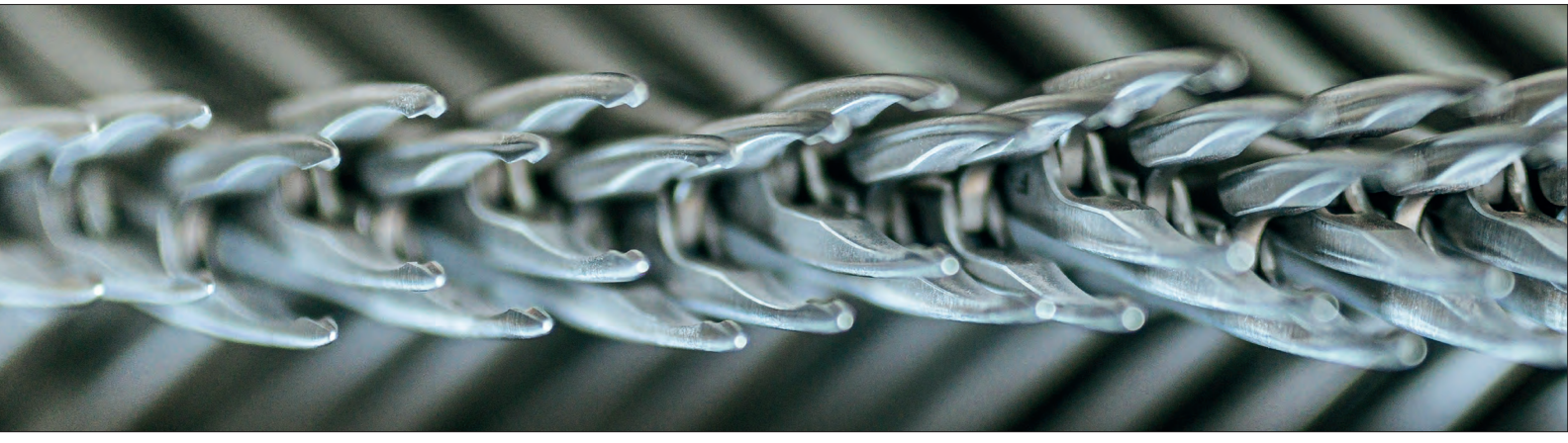
Precision that makes a mark.

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

Curved

15 cm
2 mm Cup

No. 16022-15

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

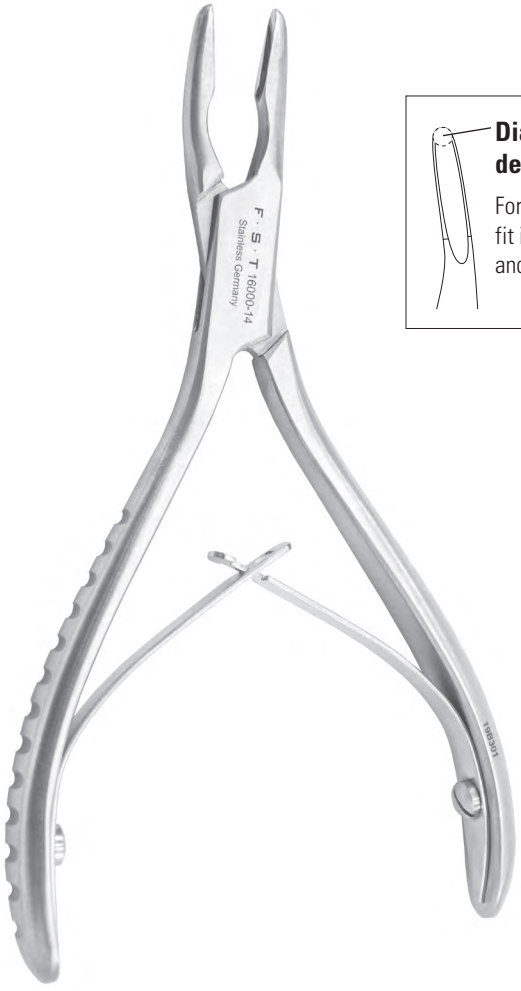
18 cm
2.5 mm Cup

No. 16002-18

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

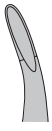
Friedman

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.



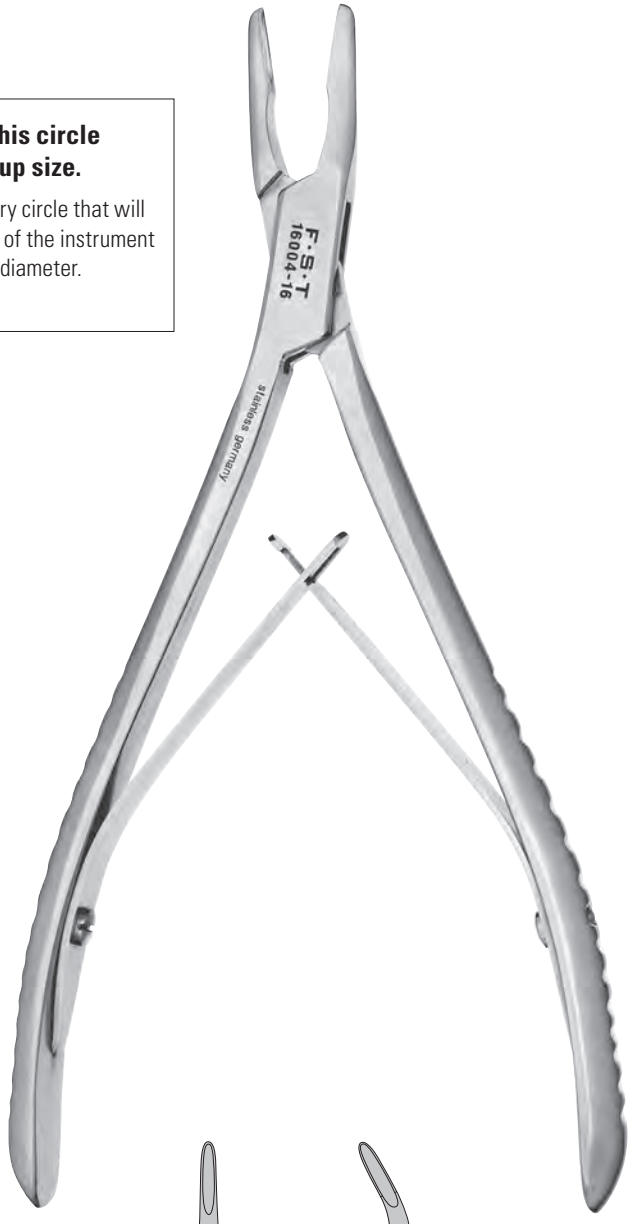
Curved

13 cm
2.5 mm Cup

No. 16000-14

Lempert

Extra fine jaws.



Straight

16 cm
2.5 mm Cup

No. 16004-16

Curved

16 cm
2.5 mm Cup

No. 16005-16

Bone Trimmers





Curved

14 cm
Cutting edge: 8 mm

No. 16109-14

Cartilage Cutter

Round cutting blades for tissue, cartilage and soft bone.





Curved

14 cm
Cutting edge: 9 mm

No. 16107-14

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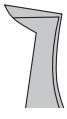
For information on Dumont alloys and tip styles, see page 217.

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

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

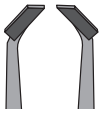
No. 11215-02

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

Micro Bone Cutter





Angled 25°

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

No. 16103-11

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Bone Nipper





Angled

11 cm
Cutting edge: 5 mm

No. 16102-11

Offset Bone Nipper

Strong jaws for cutting tough cartilage.





Angled

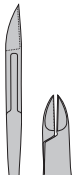
10 cm
Cutting edge: 7 mm

No. 16101-10

Malleus Nipper

SERRATED

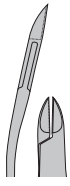




Straight

11 cm
Cutting edge: 9 mm

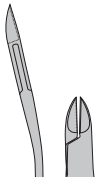
No. 16140-11



Angled down

11 cm
Cutting edge: 9 mm

No. 16141-11



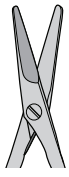
Angled up

11 cm
Cutting edge: 9 mm

No. 16142-11

Bone Cutting Spring Scissors





Straight

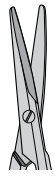
13 cm
Cutting edge: 12 mm

No. 16144-13

Delicate Bone Cutting Spring Scissors

Slim, strong blades for cutting fine bones and tissues.





Curved

12 cm
Cutting edge: 12 mm

No. 16143-12

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Littauer Bone Cutter





Straight

11 cm
Cutting edge: 15 mm

No. 16152-11



Straight

12.5 cm
Cutting edge: 17 mm

No. 16152-12



Straight

15 cm
Cutting edge: 19 mm

No. 16152-15

Beebee Bone Scissors

Very strong jaws with sharp points.

MOST POPULAR





Straight

10 cm
Cutting edge: 15 mm

No. 16044-10

Tungsten Carbide Bone Scissors

Strong heavy blades for cutting bone.

TUNGSTEN CARBIDE

For more information see page 211.

SERRATED





Straight

12.5 cm
Cutting edge: 15 mm

No. 16030-12



Straight

16 cm
Cutting edge: 15 mm

No. 16030-16

Boehler

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





Angled up 10°

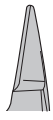
15 cm
Cutting edge: 18 mm

No. 16130-15

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

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Cleveland Cutter



Slightly angled

15 cm
Cutting edge: 14 mm

No. 16106-14

17 cm
Cutting edge: 15 mm

No. 16105-16

Liston

Gross anatomy bone cutter.



Straight

14 cm
Cutting edge: 20 mm

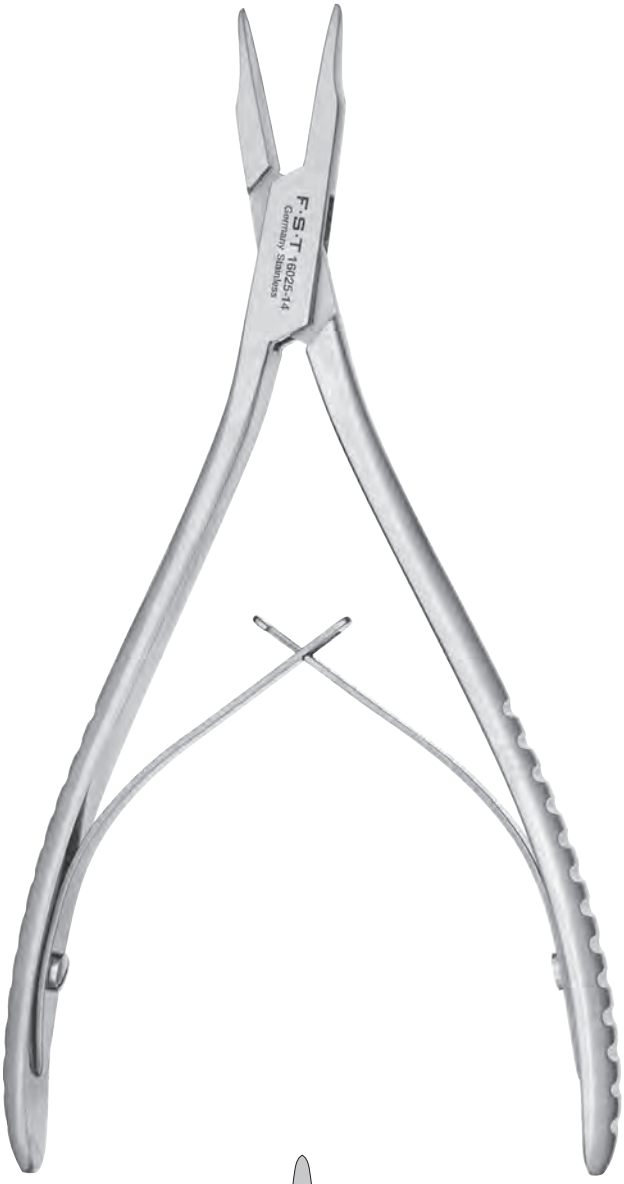
No. 16104-14

20 cm
Cutting edge: 30 mm

No. 16104-19

Bone Pliers

To peel back skull flaps.





Straight

15.5 cm
Flat surface

No. 16025-14

Bone Shears



60% of
actual size

Curved

24 cm
Cutting edge: 6.5 cm

No. 16150-24

Bone Forceps

Strong cross-serrated tips for bone crushing and removal.





Angled

11.5 cm
Tip Ø: 1 mm
Cross serrated

No. 16060-11

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

Pkg. of 10 screws

No. 19010-11

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

Pkg. of 10 screws

No. 19010-01

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

Micro Curette

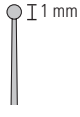
Curette tips consist of a scoop with sharp edges and are used for scraping or cleaning. They can also be used for separating and transporting, inoculating plates or transferring small amounts of chemicals.





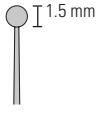
13 cm

No. 10080-05



13 cm

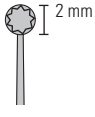
No. 10081-10



13 cm

No. 10082-15

Serrations on cutting edge



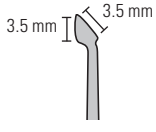
12.5 cm

No. 10083-20

Delicate Bone Scraper

For scraping tissue without cutting into bone.



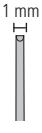


16.5 cm

No. 10075-16

Austin Chisel





16 cm

No. 10096-16

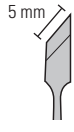


16 cm

No. 10097-16

Dissecting Chisel





12.5 cm

No. 10095-12

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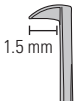
Von Graefe Knife

Used for cutting dura.



300%





Angled 90°

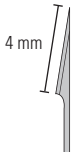
13 cm
Cutting edge: 1.5 mm

No. 10059-13

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.

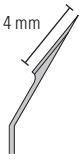




Straight

12.5 cm
Cutting edge: 4 mm

No. 10055-12



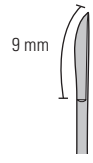
Angled 30°

12.5 cm
Cutting edge: 4 mm

No. 10056-12

Sichel





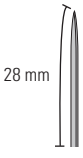
Curved

12 cm
Cutting edge: 9 mm

No. 10073-14

Micro Knife





Straight

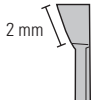
13 cm
Cutting edge: 28 mm

No. 10370-13

Micro Knife Side Cut



200%



Side blade 20°

15 cm
Cutting edge: 2 mm

No. 10058-15

Circle Knife

Sharp cutting edge around tip.



250%



Angled 90°

16 cm
Cutting edge: 2 mm

No. 10059-15

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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

30 cm
Cutting edge: 15 cm

No. 10157-15

33 cm
Cutting edge: 18 cm

No. 10157-18



40% of actual size

Brain sectioning knife

45 cm
Cutting edge: 30 cm

No. 10152-30

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

Straight

Approximate blade length: 12 mm

No. 10110-03



150%

Plastic Dowel
Autoclavable

Straight

Approximate blade length: 6 mm

No. 10110-05



150%

Plastic Dowel
Autoclavable

Angled

Approximate blade length: 6 mm

No. 10110-07

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

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

45° Cutting Edge

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

No. 10025-43

23° Cutting Edge

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

No. 10025-23



45° Cutting Edge

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

No. 10025-45

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



Cutting angle: 45°

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

No. 10100-45

Blade Holders and Breakers







11 cm

Jaw width: 4 mm
Flat surface

No. 10052-11



9 cm

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

No. 10053-09



13 cm

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

No. 10053-13

Breakable Carbon Steel Blades

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





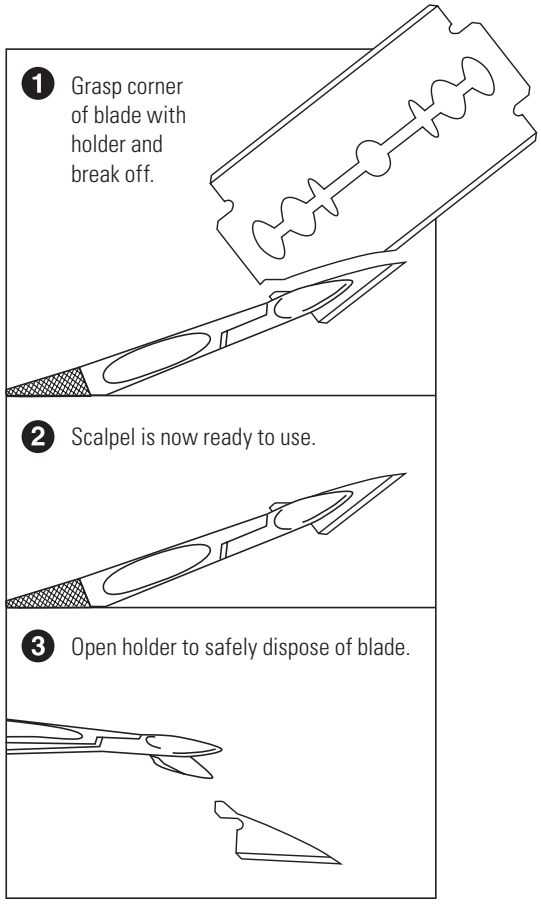
Blade thickness: 0.1 mm

Box of 10 blades

No. 10050-00

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.



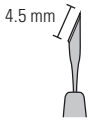
Carbon Steel Scalpel

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

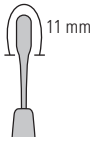
No. 10316-14



Cutting angle: 15°

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

No. 10315-12



Crescent blade

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

No. 10317-14



Needle blade

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

No. 10318-14

Interchangeable Carbon Steel Blades

NOT AUTOCLAVABLE



Handle for Interchangeable Blades

9.5 cm

No. 10035-00

12.5 cm

No. 10035-12



Angled blade
Carbon steel

Cutting edge: 10 mm
Pkg. of 5 blades

No. 10035-15



Curved blade
Carbon steel

Cutting edge: 10 mm
Pkg. of 5 blades

No. 10035-20



Small flat blade
Carbon steel

Cutting edge: 1.5 mm
Pkg. of 5 blades

No. 10035-05



Large flat blade
Carbon steel

Cutting edge: 2.75 mm
Pkg. of 5 blades

No. 10035-10



Cane blade
Carbon steel

Cutting edge: 12 mm
Pkg. of 5 blades

No. 10035-25



Arc blade
Carbon steel

Cutting edge: 12 mm
Pkg. of 5 blades

No. 10035-30

Scalpel Handle #4 with Silicone

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



13.5 cm

No. 10009-13

Standard Scalpel Handle #4 Solid

Especially suitable for large dissections.



13 cm

No. 10004-13

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



Box of 100 blades

No. 10021-00



Box of 100 blades

No. 10022-00



Box of 100 blades

No. 10023-00

#3 Standard

MOST POPULAR



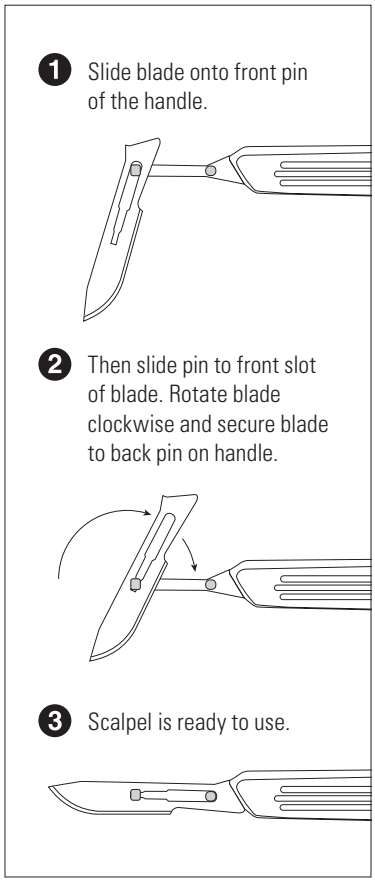
12 cm

No. 10003-12

#3 Secure

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





12 cm

No. 10003-13

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



Box of 100 blades

No. 10011-00



Box of 100 blades

No. 10012-00



Box of 100 blades

No. 10015-00

Short Scalpel Handle #7



12 cm

No. 10007-12

Standard Scalpel Handle #7

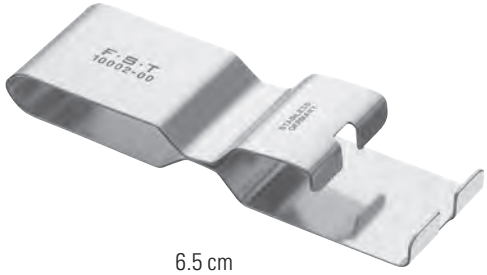


16.5 cm

No. 10007-16

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

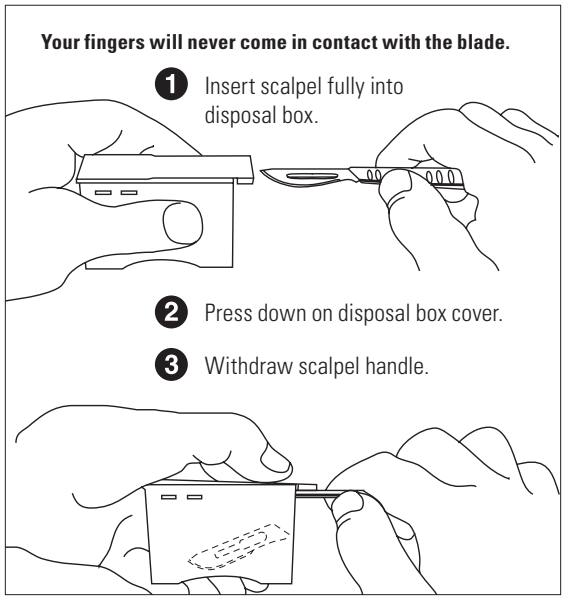
Scalpel Blade Removal and Disposal Box

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



Gross Anatomy Blade and Handle





7.5 cm Box of 100 blades	13 cm
No. 10060-00	No. 10060-13

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





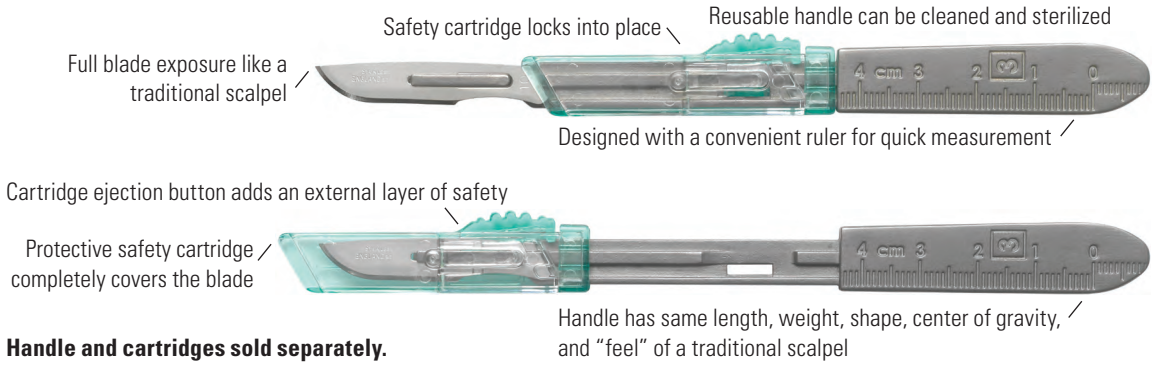


Scalpel shown with safety cartridge closed and locked into place.

#10 scalpels Pkg. of 10	#11 scalpels Pkg. of 10	#15 scalpels Pkg. of 10
No. 10000-10	No. 10000-11	No. 10000-15

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

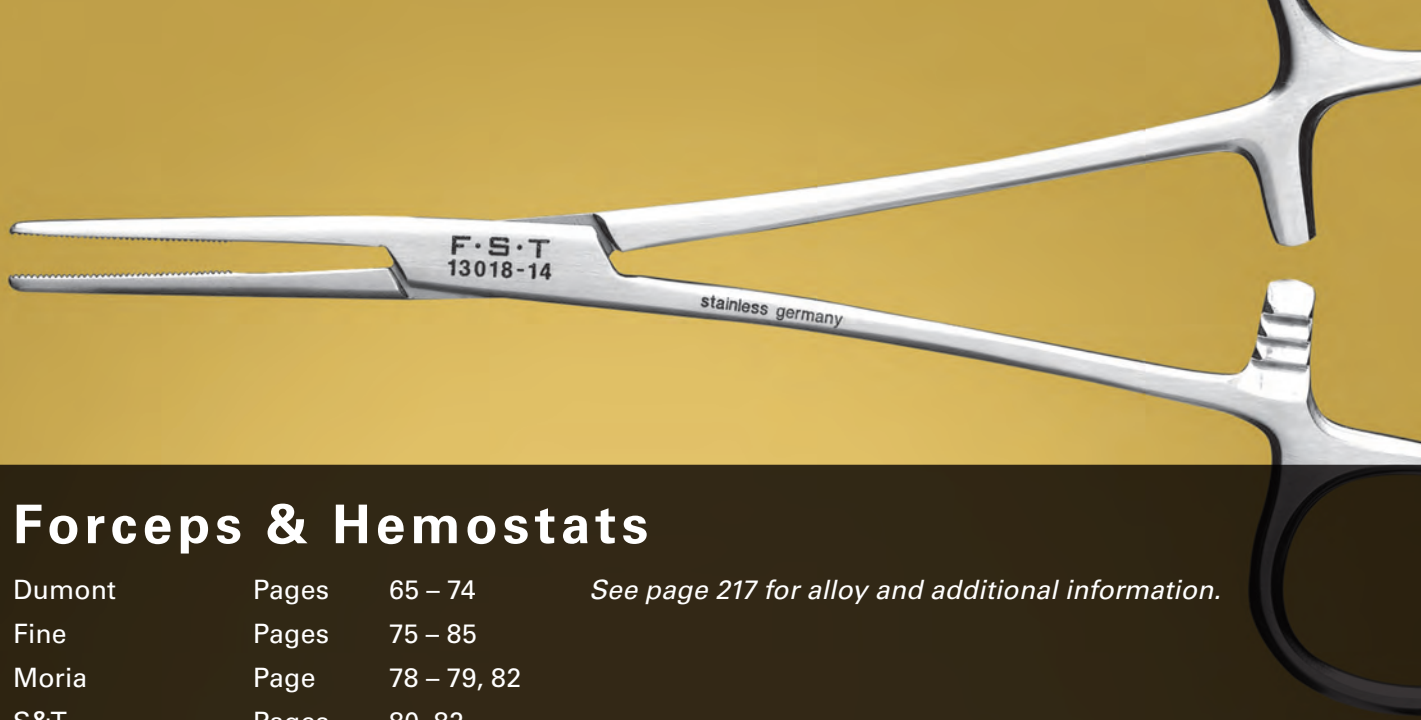
No. 10006-12

Safety Scalpel Blade Cartridges



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

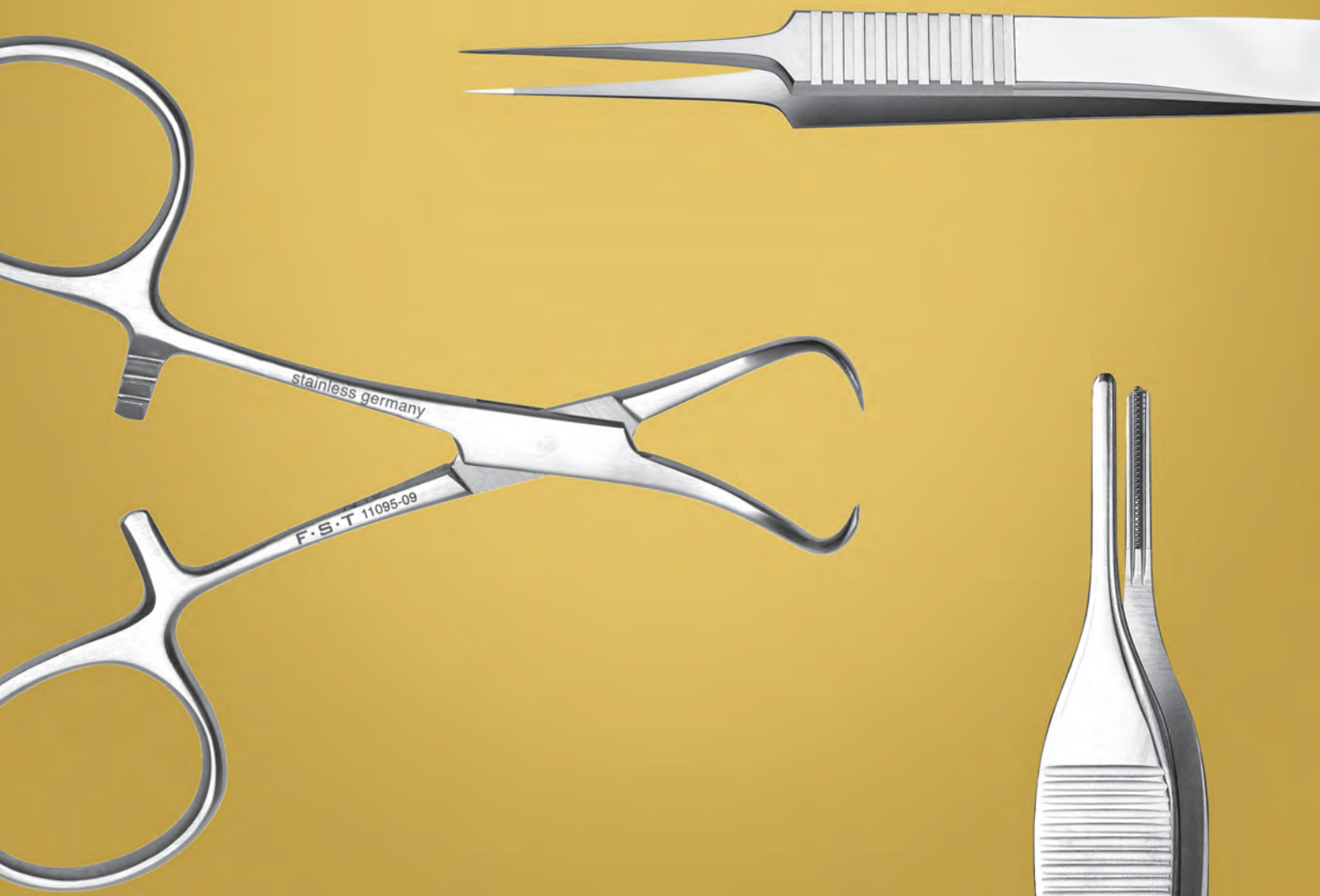
#10 blades	#11 blades	#15 blades
Pkg. of 10	Pkg. of 10	Pkg. of 10
No. 10010-10	No. 10011-10	No. 10015-10



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

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

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

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

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

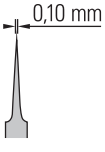
RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

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

Dumont 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.





Medical #5

Straight

11 cm
Inox
0.10 x 0.06 mm

No. 11253-20

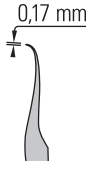


Medical #5A

Off-center

11.5 cm
Inox
0.13 x 0.08 mm

No. 11253-21



Medical #7S

Short curve

12 cm
Inox
0.17 x 0.10 mm

No. 11273-22



Medical #7

Curved

11.5 cm
Inox
0.17 x 0.10 mm

No. 11273-20



Medical #5/45

Angled 45°

11 cm
Inox
0.10 x 0.06 mm

No. 11253-25



Medical #5/90

Angled 90°

11 cm
Inox
0.10 x 0.06 mm

No. 11253-29

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

11 cm
Dumostar
0.05 x 0.02 mm

No. 11295-51

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

0,05 mm

Biology tip

11 cm
Inox
0.05 x 0.02 mm

No. 11252-23

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.



0,10 mm

Standard tip

11 cm
Inox
0.10 x 0.06 mm

No. 11251-20

Dumoxel

No. 11251-30

Dumostar

No. 11295-00

11 cm
Carbon
0.08 x 0.04 mm

No. 11251-10

0,05 mm

Biology tip

11 cm
Inox
0.05 x 0.02 mm

No. 11252-20

Dumoxel

No. 11252-30

Dumostar

No. 11295-10

Titanium

No. 11252-40

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

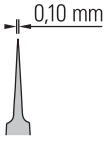
For information on Dumont alloys and tip styles, see page 217.

Dumont 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.



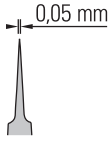
Side View



Standard tip

12 cm
Inox
0.10 x 0.06 mm

No. 11251-21



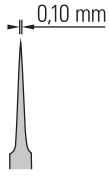
Biology tip

12 cm
Inox
0.05 x 0.02 mm

No. 11252-21

Dumont #5XL





Standard tip

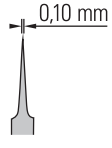
15 cm
Inox
0.10 x 0.06 mm

No. 11253-10

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

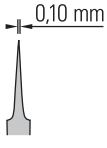
11 cm
Inox
0.10 x 0.06 mm

No. 11253-27

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

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

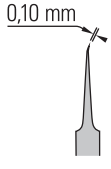
Dumont #5/45 Cover Slip Forceps

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





300%



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

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

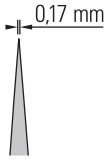
RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

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

Dumont #3

Tapered and sturdy shanks.

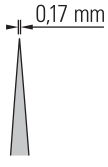




Standard tip

12 cm
Dumoxel
0.17 x 0.10 mm

No. 11231-30



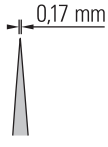
Standard tip

12 cm
Dumostar
0.17 x 0.10 mm

No. 11293-00

Dumont #3c





Standard tip

11 cm
Inox
0.17 x 0.10 mm

No. 11231-20

Dumont #6

Sharply angled tips for access to difficult areas.





Standard tip

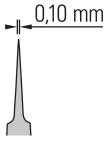
11.5 cm
Inox
0.17 x 0.10 mm

No. 11260-20

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

Dumont #7

·TITANIUM·

11272-40
For more information see page 211.





Standard tip

Dumoxel

No. 11271-30

Dumostar

No. 11297-00



Biology tip

11.5 cm
Dumoxel
0.07 x 0.04 mm

No. 11272-30

Dumostar

No. 11297-10

Titanium

No. 11272-40

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

Dumont #7B

SERRATED





Standard tip

11 cm
Inox
0.17 x 0.10 mm

No. 11270-20

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

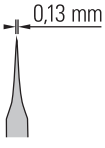
RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

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

Dumont #4

Similar to #5, but with broader shanks.





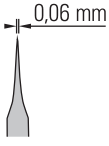
Standard tip

11 cm
Dumoxel
0.13 x 0.08 mm

No. 11241-30

Dumostar

No. 11294-00



Biology tip

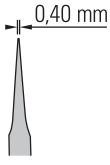
11 cm
Dumoxel
0.06 x 0.04 mm

No. 11242-40

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

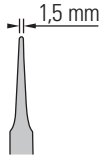
12 cm
Inox
0.40 x 0.02 mm

No. 11223-20

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.





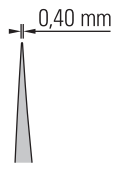
Standard tip

12 cm
Epoxy coated Inox
Tip width: 1.5 mm

No. 11220-21

Dumont AA





Standard tip

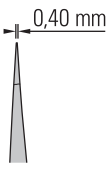
12.5 cm
Inox
0.4 x 0.2 mm

No. 11210-20

Dumont AA Epoxy Coated

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





Standard tip

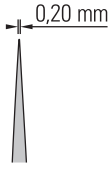
12.5 cm
Epoxy coated inox
0.4 x 0.2 mm

No. 11210-10

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.



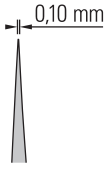


Standard tip

13.5 cm
Inox
0.20 x 0.12 mm

No. 11203-23

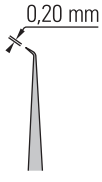




Biology tip

13.5 cm
Dumoxel
0.10 x 0.06 mm

No. 11200-33



Angled 45°

13.5 cm
Inox
0.20 x 0.12 mm

No. 11203-25

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



0,12 mm

Style 3

7 cm
Inox
0.12 x 0.07 mm

No. 11200-10

0,14 mm

Style 4

7 cm
Inox
0.14 x 0.06 mm

No. 11200-12

0,09 mm

Style 5

8 cm
Inox
0.09 x 0.05 mm

No. 11200-14

Dumont #2E Components Forceps

NEW ITEM



1,2 mm

For components

11.5 cm
Dumoxel
8 x 1.2 mm

No. 11229-08

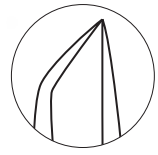
10 mm

For components

11.5 cm
Dumoxel
10 x 1.2 mm

No. 11229-10

Dumont #5AC



300%



0,07 mm

Biology Tip
Type #5 Anti-Capillary

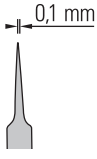
11.5 cm
Inox
0.07 x 0.02 mm

No. 11258-20

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

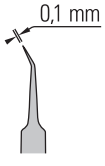


Curved

11.5 cm
0.2 x 0.1 mm

Gold Plated
Stainless Steel

No. 11917-12



Angled 30°

11.5 cm
0.1 x 0.06 mm

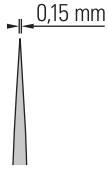
Gold Plated
Stainless Steel

No. 11911-11

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

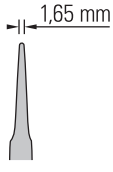


Angled 30°

14 cm
0.15 x 0.1 mm

Diamond Coated
Stainless Steel

No. 11991-14



Straight

12 cm
1.65 x 0.05 mm

Diamond Coated
Stainless Steel

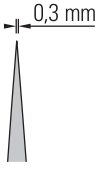
No. 11992-12

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

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

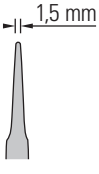
13 cm
0.3 x 0.15 mm

No. 11923-13

#2A Forceps

NEW ITEM



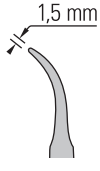


Straight

12 cm
1.5 x 0.13 mm

Stainless Steel

No. 11992-20



Curved

13 cm
1.5 x 0.1 mm

Stainless Steel

No. 11972-20

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



Pkg. of 2 tips and 3 screws
Replacement plastic tips

Straight, strong

4 cm
0.5 mm

No. 11988-01



Pkg. of 2 tips and 3 screws
Replacement plastic tips

Straight, very fine

4 cm
0.5 mm

No. 11988-02



Pkg. of 2 tips and 3 screws
Replacement plastic tips

Curved

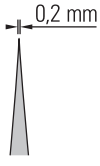
4 cm
0.5 mm

No. 11988-03

Fine Forceps Broad Shanks

Straight forceps with sturdy coarse tips.





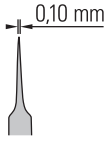
12 cm
0.2 x 0.12 mm

No. 11445-12

Fine Forceps Mirror Finish

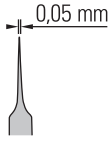
The last 5 mm on the inside of the tips are highly polished to help prevent tissue from sticking. Ideal for embryos, nerves, or other adhesive tissue.





11 cm
0.10 x 0.06 mm

No. 11412-11



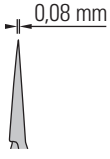
11 cm
0.05 x 0.02 mm

No. 11413-11

Fine Forceps Self-Closing

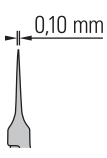
Ideal for lifting and holding EM grids. Consistent pressure at tips. Correctly tensioned "cross-over" shanks come to a microscopically matched point.





11.5 cm
0.08 x 0.04 mm

No. 11480-11



11 cm
0.10 x 0.06 mm

No. 11485-11



11.5 cm
0.20 x 0.12 mm

No. 11487-11

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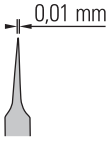
Moria Ultra Fine Forceps

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

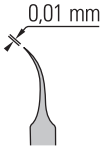


Straight

11 cm

No. 11370-40

Moria MC40/B



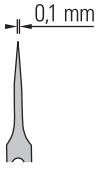
Curved

11 cm

No. 11370-42



Moria 9980



Straight

13 cm

No. 11399-80

Moria 9987



Curved

13 cm

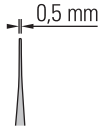
No. 11399-87

Moria Iris Forceps

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



Moria MC32/B

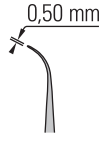


Smooth
Blunt

10 cm
Tip width: 0.5 mm

No. 11373-22

Moria MC31/B

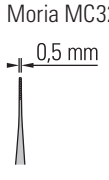


Smooth
Blunt

10 cm
Tip width: 0.5 mm

No. 11373-12

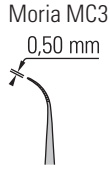
Moria MC32



Microserrated

No. 11370-32

Moria MC31



Microserrated

No. 11370-31

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

Moria TI7835

0,3 mm



Straight
1x2 teeth and tying platform

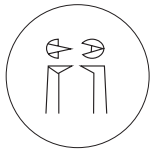
7.5 cm
Tip width: 0.3 mm
Tying platform: 4 mm
Titanium

No. 11383-56

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

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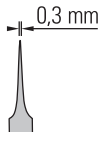
Fine Forceps

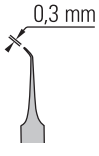




Straight

11 cm
0.3 x 0.25 mm

No. 00108-11



Angled 45°

11 cm
0.3 x 0.25 mm

No. 00109-11

SuperGrip Forceps

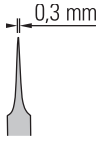
The tips are processed with MicroCrystals®, a method developed by S&T® to infuse tungsten carbide on stainless steel. The formation of this ultra-fine coating guarantees atraumatic handling of tissue while improving the grip dramatically. The recommended use is where forceps are utilized as needle holders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



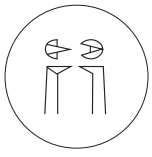
Angled 45°

11 cm
0.3 x 0.25 mm

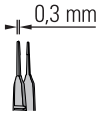
No. 00649-11

Bonn





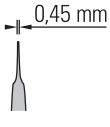
20x magnification



Smooth

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

No. 11083-07



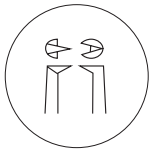
1x2 teeth

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

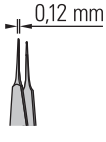
No. 11084-07

Mirror Finish Bonn Forceps





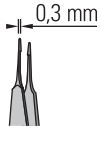
20x magnification



Straight
1x2 teeth

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

No. 11090-10



Straight

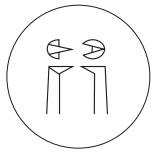
10.5 cm
Tip diameter: 0.3 mm
Tying Platform: 5 mm
Partly polished

No. 11093-10

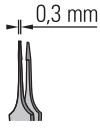
Mirror Finish Suture Tying Forceps with Teeth

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

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Moria Suture Tying Forceps

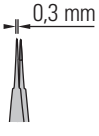
Used to suture after surgery is complete. This requires the manipulation of a calibrated nylon thread and the use of a specific instrument: a tying forceps, straight or curved, without teeth.

Moria

NEW ITEM



Moria 9604

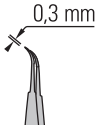


Straight
Smooth

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

No. 11393-04

Moria 9605



Curved
Smooth

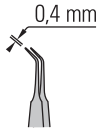
9.5 cm
Tip diameter: 0.3 mm
Tying Platform: 7.5 mm

No. 11393-05

McPherson Forceps

MOST POPULAR





Angled 45°
Smooth

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

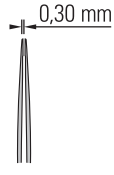
No. 11063-07

Suture Tying Forceps

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

S&T®





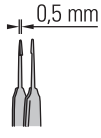
13.5 cm
Tip diameter: 0.3 mm
Tying platform: 6 mm

No. 00272-13

Suture Tying Forceps

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





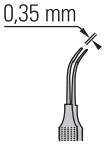
10 cm
Tip diameter: 0.5 mm
Tying platform: 5 mm

No. 18025-10

Round Handled Suture Tying Forceps

Round handles allow easy fingertip adjustments.





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

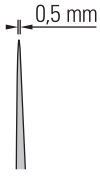
No. 18026-10

Vial Forceps

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





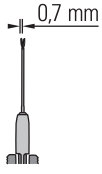


15 cm
Tip diameter: 0.5 mm

No. 11006-15

Vitro Grasping Forceps





14 cm
Serrated
Tip diameter: 0.7 mm

No. 11900-14

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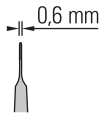
Graefe Forceps

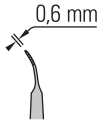




Straight
Serrated

7 cm
Tip width: 0.6 mm

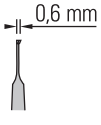
No. 11064-07



Curved
Serrated

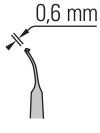
7 cm
Tip width: 0.6 mm

No. 11065-07



Straight
1x2 teeth

No. 11066-07



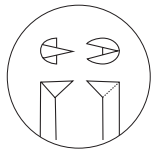
Curved
1x2 teeth

No. 11067-07

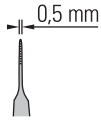
Bishop-Harman

Extra light, fenestrated handles ensure a good grip.





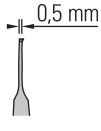
10x magnification



Serrated

8.5 cm
Tip width: 0.5 mm

No. 11069-08



1x2 teeth

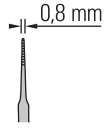
8.5 cm
Tip width: 0.5 mm

No. 11070-08

Octagon Forceps

The octagon shaped grip provides a particularly secure finger hold.

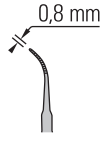




Straight
Serrated

9.5 cm
Tip width: 0.8 mm

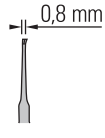
No. 11040-08



Curved
Serrated

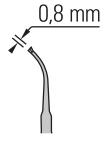
9.5 cm
Tip width: 0.8 mm

No. 11041-08



Straight
1x2 teeth

No. 11042-08



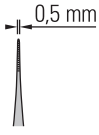
Curved
1x2 teeth

No. 11043-08

Extra Fine Graefe Forceps



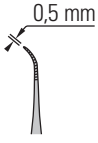
80% of
actual size



Serrated

10 cm
Tip width: 0.5 mm

No. 11150-10



Serrated

10 cm
Tip width: 0.5 mm

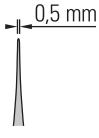
No. 11151-10



Serrated

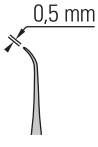
10 cm
Tip width: 0.5 mm

No. 11152-10



Smooth

No. 11158-10



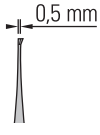
Smooth

No. 11159-10



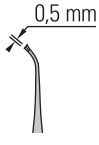
Smooth

No. 11160-10



1x2 teeth

No. 11153-10



1x2 teeth

No. 11154-10



1x2 teeth

No. 11155-10

Graefe Forceps

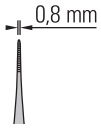
MOST POPULAR

11051-10
11054-10

·TITANIUM·

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

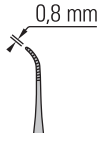




Serrated

Tip width: 0.8 mm

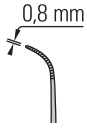
No. 11050-10



Serrated

Tip width: 0.8 mm

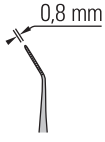
No. 11051-10



Serrated

Tip width: 0.8 mm

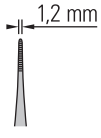
No. 11052-10



Serrated

Tip width: 0.8 mm

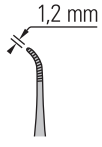
No. 11049-10



Titanium

Tip width: 1.2 mm

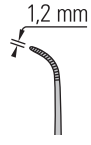
No. 11650-10



Titanium

Tip width: 1.2 mm

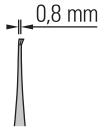
No. 11651-10



Titanium

Tip width: 1.2 mm

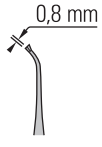
No. 11652-10



1x2 teeth

Tip width: 0.8 mm

No. 11053-10



1x2 teeth

Tip width: 0.8 mm

No. 11054-10



1x2 teeth

Tip width: 0.8 mm

No. 11055-10

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

Sliding Lock Forceps





Smooth

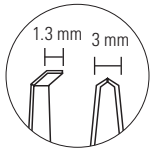
11 cm
Tip width: 1 mm
Slide lock

No. 11062-10

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

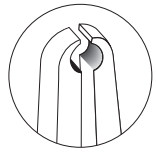
Tip thickness: 0.2 mm
Tip Dimension: 1.3 x 3 mm

No. 11071-10

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

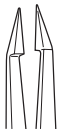
13 cm
Tip Dimension: 0.1 x 0.4 mm

No. 18155-13

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



Blunt
Straight

11.5 cm
1.5 x 0.40 mm

No. 11700-03



Sharp
Curved

11.5 cm
0.30 x 0.20 mm

No. 11700-01



Blunt
Curved

11.5 cm
1.5 x 0.40 mm

No. 11700-04



Sharp
Angled 45°

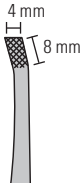
11.5 cm
0.30 x 0.20 mm

No. 11700-02

Cross Action Forceps

These tissue transport forceps have a gentle action.





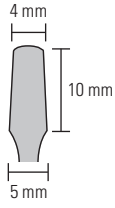
Cross serrated

10 cm
Tip Dimension: 4 x 8 mm

No. 11075-00

Cover Glass Forceps





Straight

10.5 cm
Tip Dimension:
4 x 5 x 10 mm

No. 11074-02

Angled

10.5 cm
Tip Dimension:
4 x 5 x 10 mm

No. 11073-10

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

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



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

No. 11103-09



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

No. 11106-09

Circle Forceps

Cupped forceps for atraumatic gripping of organs and tissues.





11.5 cm
Tip diameter: 0.7 mm

No. 11072-11

Live Insect Handling Forceps

Very delicate.







Narrow

10 cm

No. 26029-10



Wide

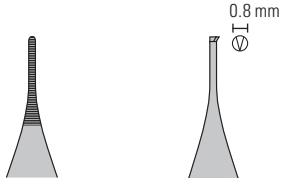
10 cm

No. 26030-10

Micro-Adson

Our most delicate version of the popular Adson forceps.



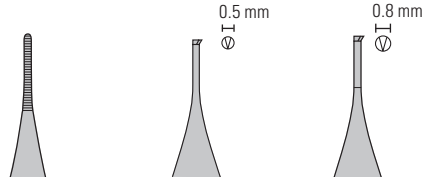


Serrated	1x2 teeth
12 cm Tip width: 0.8 mm	12 cm 0.8 mm
No. 11018-12	No. 11019-12

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	No. 11032-12	No. 11022-12

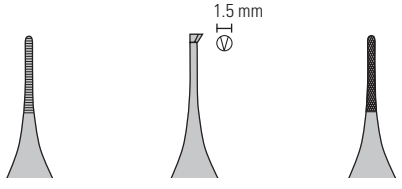
Adson

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	No. 11027-12	No. 11506-12

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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.

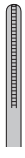
These two forceps are ideal for gentle, atraumatic gripping of vessels, tissue and other delicate structures.



DeBakey serrations

12.5 cm
Tip width: 1.5 mm

No. 11617-12



DeBakey serrations

15 cm
Tip width: 1.5 mm

No. 11616-15

Adson-Graefe





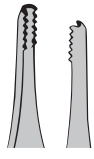
Fine sharp teeth

12.5 cm
Tip width: 4.5 mm

No. 11030-12

Adson-Brown





Shark teeth

12 cm
Tip width: 1.4 mm

No. 11627-12

Standard Pattern

Broad pattern with strong spring action.





Straight
Serrated

Tip width (mm)	Length (cm)	Item	Price
2.5	12	No. 11000-12	
2.8	13	No. 11000-13	
3.25	14.5	No. 11000-14	
3.3	16	No. 11000-16	
3.7	18	No. 11000-18	
3.75	20	No. 11000-20	
3.9	25	No. 11000-25	
4	30	No. 11000-30	



Curved
Serrated

Tip width (mm)	Length (cm)	Item	Price
2.5	12	No. 11001-12	
2.8	13	No. 11001-13	
3.25	14.5	No. 11001-14	
3.3	16	No. 11001-16	
3.7	18	No. 11001-18	
3.75	20	No. 11001-20	

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	
2.15	13	No. 11002-13	
2.25	14.5	No. 11002-14	
2.25	14.5	No. 11602-14	
2.35	16	No. 11002-16	
2.4	18	No. 11002-18	
2.75	20	No. 11002-20	
3.2	25	No. 11002-25	



Curved
Serrated

Tip width (mm)	Length (cm)	Item	Price
2	12	No. 11003-12	
2.15	13	No. 11003-13	
2.25	14.5	No. 11003-14	
2.35	16	No. 11003-16	
2.4	18	No. 11003-18	
2.75	20	No. 11003-20	

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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	
1.5	15	No. 11008-15	
1.5	15	No. 11608-15	



Curved
Serrated

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

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

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



80% of actual size



80% of actual size



Straight

14.5 cm
Suture tying platform
Tip diameter: 0.1 mm

No. 18601-15



Straight

15 cm
Suture tying platform
Tip diameter: 0.3 mm

No. 18602-15



Angled

14.5 cm
Smooth
Tip diameter: 0.2 mm

No. 18603-14

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

12 cm

No. 11023-12

Straight
Narrow 1x2 teeth

14.5 cm

No. 11023-14

15.5 cm

No. 11023-15

Straight
Standard 1x2 teeth

12 cm

No. 11021-12

14.5 cm

No. 11021-14

15.5 cm

No. 11021-15

Straight
Standard 2x3 teeth

14.5 cm

No. 11022-14

15.5 cm

No. 11022-15

Tissue Forceps

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





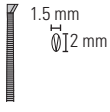
Curved
Narrow 1x2 teeth

14 cm

No. 11029-14

Gillies





Cross-Serrated
1x2 teeth

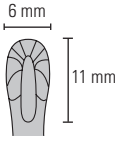
15 cm
Tip Dimension: 1.5 x 2 mm

No. 11028-15

Russian

Special cupped pattern
for superior grip.





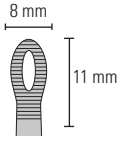
15 cm
Tip Dimension: 6 x 11 mm

No. 11026-15

Organ Holding Forceps

With limit screw to prevent
excessive applied pressure.





Serrated

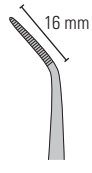
14.5 cm
Tip Dimension: 8 x 11 mm

No. 11031-15

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

London Forceps





Angled
Serrated

16 cm

No. 11080-02

Titanium Forceps

·TITANIUM·

For more information
see page 211.





Straight
Serrated

16 cm

No. 11602-16

Gerald Forceps

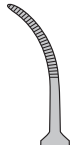




Straight
Serrated

18 cm

No. 11014-18



Curved
Serrated

18 cm

No. 11015-18

Taylor Forceps

Serrated and smooth versions available.





Straight
Serrated

17 cm

No. 11010-17



Straight
Smooth

17 cm

No. 11016-17



Curved
Smooth

17 cm

No. 11017-17



Curved
Serrated

17 cm

No. 11011-17

Potts-Smith Forceps





Straight
Serrated

18 cm

No. 11012-18

21 cm

No. 11012-21

25 cm

No. 11012-25



Curved
Serrated

18 cm

No. 11013-18

21 cm

No. 11013-21



Curved
1x2 teeth

18 cm

No. 11025-18



Straight
1x2 teeth

18 cm

No. 11024-18

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



Replacement silicone tips
Pkg of 2 tips

No. 11036-90

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

Ultra Fine Hemostat





Straight
Smooth

12 cm
Tip width: 0.6 mm

No. 13020-12

Curved
Smooth

12 cm
Tip width: 0.6 mm

No. 13021-12

Fine Hemostat





Straight
Smooth

12 cm
Tip width: 1 mm

No. 13006-12



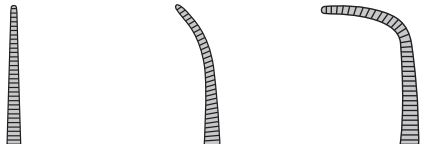
Curved
Smooth

12 cm
Tip width: 1 mm

No. 13007-12

Micro-Mosquito





Straight
Serrated

12 cm
Tip width: 1.3 mm

No. 13010-12

Curved
Serrated

12 cm
Tip width: 1.3 mm

No. 13011-12

Angled 90°
Serrated

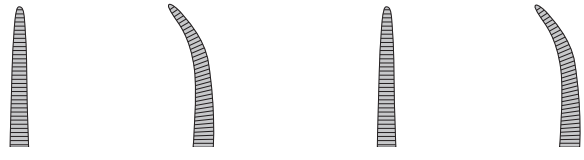
12 cm
Tip width: 1.3 mm

No. 13012-12

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

Curved
Serrated

12.5 cm
Tip width: 1 mm

No. 13009-12

Straight
Serrated

12.5 cm
Tip width: 1 mm
Left handed

No. 13108-12

Curved
Serrated

12.5 cm
Tip width: 1 mm
Left handed

No. 13109-12

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

Curved
Serrated

14 cm
Tip width: 1.5 mm

No. 13005-14

Kelly

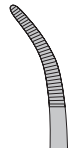




Straight
Serrated

14 cm
Tip width: 1.5 mm

No. 13018-14



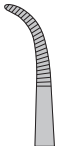
Curved
Serrated

14 cm
Tip width: 1.5 mm

No. 13019-14

Baby-Mixter





Curved
Serrated

14 cm
Tip width: 1.3 mm

No. 13013-14

Providence-Hospital

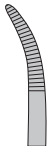




Straight
Serrated

14 cm
Tip width: 1.5 mm

No. 13014-14



Curved
Serrated

14 cm
Tip width: 1.5 mm

No. 13015-14

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

Hartman

MOST POPULAR

13003-10





Straight
Serrated

10 cm
Tip width: 1 mm

No. 13002-10

Curved
Serrated

10 cm
Tip width: 1 mm

No. 13003-10

Backhaus Towel Clamp





9 cm

No. 11095-09



13 cm

No. 11095-13

Allis Clamp

Tissue and organ holding forceps.



Allis	Allis-Baby
4 mm	3 mm
5x6 teeth	4x5 teeth
15 cm Tip width: 4 mm	12 cm Tip width: 3 mm
No. 11091-15	**No. 11092-12**

Lorna Towel Clamp

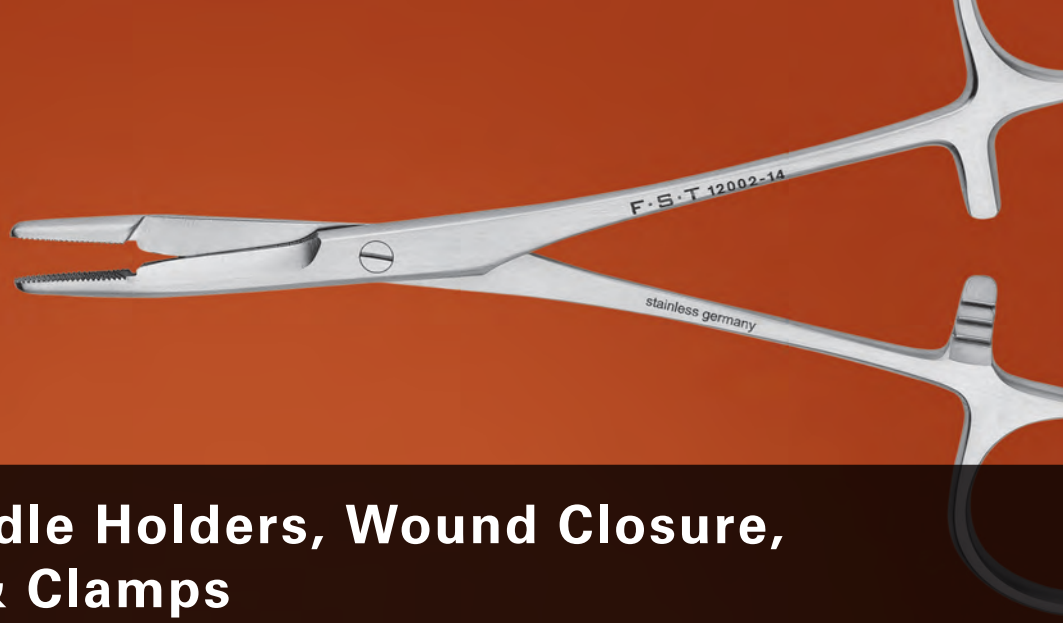






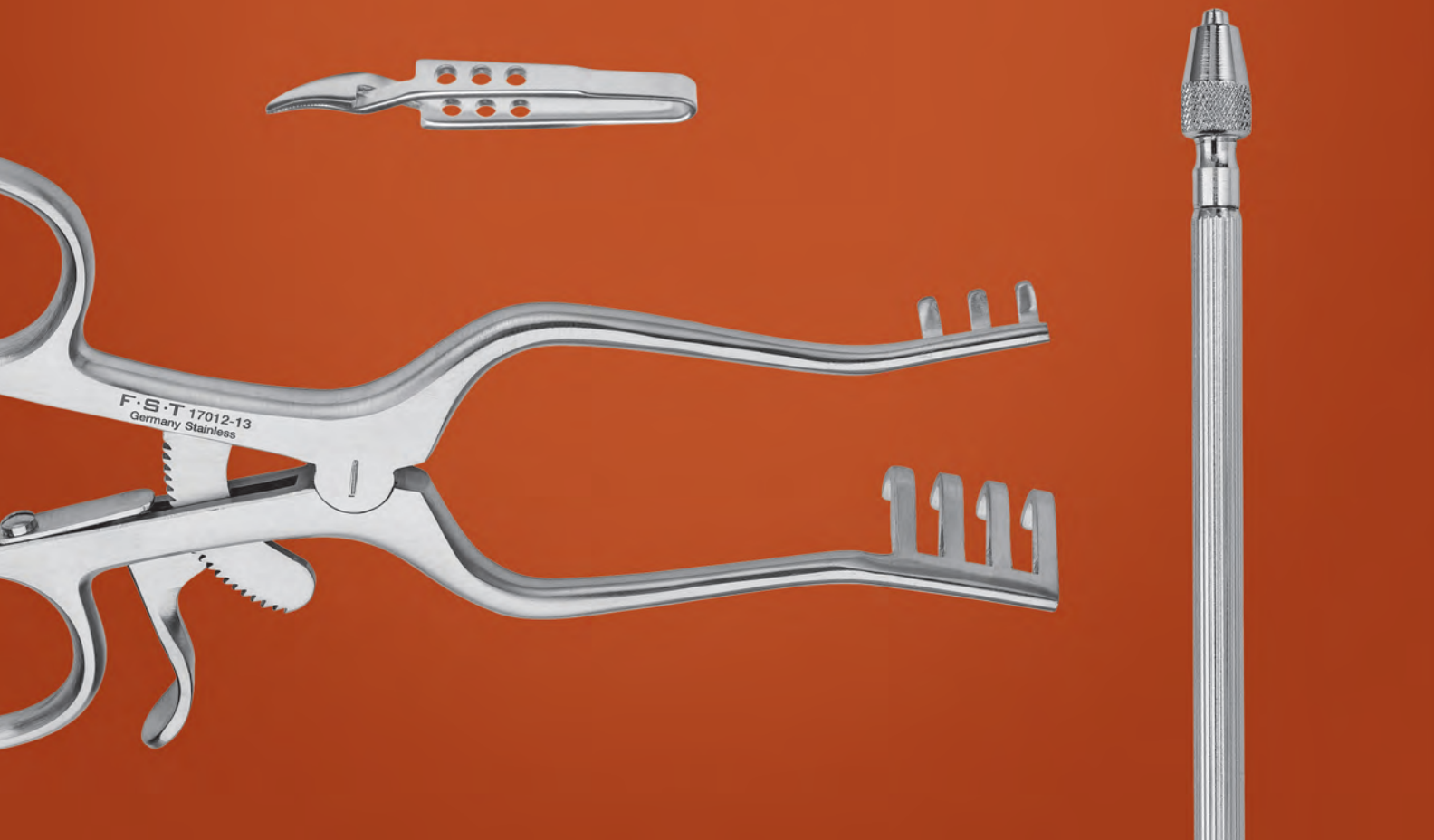
Serrated	Serrated
10 cm Tip width: 6 mm	13 cm Tip width: 7 mm
No. 11096-10	**No. 11096-13**

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



Probes, Needle Holders, Wound Closure, Retractors & Clamps

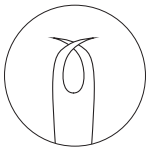
Probes & Hooks	Pages	105 – 109
Spatulae	Pages	108 – 112
Hippocampal Tools	Page	112
Spoons	Page	113
Pins & Holders	Pages	114 – 115
Wound Closure	Pages	116 – 127
Retractors	Pages	128 – 135
Vascular Instruments	Pages	136 – 145



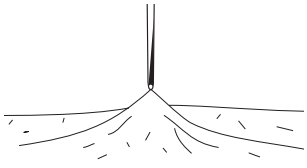
Double Pronged Pick

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

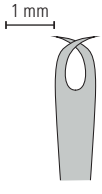




700%



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.

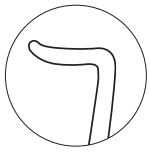


11 cm
Tip diameter: 1 mm

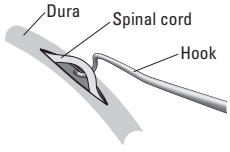
No. 18067-11

Spinal Cord Hook

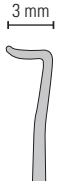




300%



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

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

Bonn Micro Probes





Actual size

Angled 45°

13.5 cm
Tip diameter: 0.025 mm

No. 10032-13



Actual size

Straight

13.5 cm
Tip diameter: 0.025 mm

No. 10030-13



Actual size

Large curve

13.5 cm
Tip diameter: 0.038 mm

No. 10033-13



Actual size

Curved

13.5 cm
Tip diameter: 0.025 mm

No. 10031-13

Micro Points





300%

Angled 90° short

15.5 cm
Tip diameter: 0.05 mm

No. 10063-15



300%

Angled 45°

15.5 cm
Tip diameter: 0.038 mm

No. 10066-15



300%

Angled 90°

15.5 cm
Tip diameter: 0.02 mm

No. 10065-15

Probes and Explorers

MOST POPULAR

10140-01



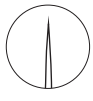


Actual size

Short angle

15.5 cm
Tip diameter: 0.12 mm

No. 10140-04



Actual size

Straight

15.5 cm
Tip diameter: 0.25 mm

No. 10140-01



Actual size

Long angled

15.5 cm
Tip diameter: 0.15 mm

No. 10140-03



Actual size

Angled

15.5 cm
Tip diameter: 0.15 mm

No. 10140-02

Micro Hooks





175%

Short round hook

13 cm
Tip diameter: 0.05 mm

No. 10064-14



175%

Blunt hook

12 cm
Tip diameter: 0.30 mm

No. 10062-12



175%

Sharp hook

12 cm
Tip diameter: 0.075 mm

No. 10061-12

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.



Micro Point



Angled 45°

12.5 cm
Tip diameter: 0.4 mm

No. 10165-11

·TITANIUM·

For more information see page 211.



Y-Hook



Angled 45°

12.5 cm
Tip width: 0.5 mm

No. 10166-11

·TITANIUM·

For more information see page 211.



Micro Spatula



Angled 30°

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

No. 10167-11

Vessel Dilating Probe



Angled 45°

12.5 cm
Tip diameter: 0.6 mm

No. 10160-13

Gross Anatomy Probe

MOST POPULAR



Angled 45°

15 cm
Tip diameter: 1.2 mm

No. 10088-15

Combination Probe and Spatula



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

No. 10090-13

Combination Spoon and Spatula



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

No. 10090-17

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

Micro Spatula





Straight

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

No. 10089-11

Mirror Finish Micro Spatula

Mirror finished to provide a non-stick spatula.





Slightly curved

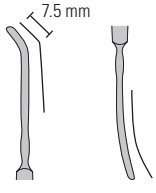
12 cm
Tip width: 0.8 mm
Tip thickness: 0.25 mm

No. 10087-12

Double-Ended Micro Spatula

MOST POPULAR





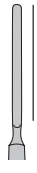
Angled

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

No. 10091-12

Iris Spatulae





Straight

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

No. 10094-13



Slightly curved

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

No. 10093-13



Curved

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

No. 10092-12

Micro Spatula Kit

Kit with 4 pieces



150% of
actual size

Black



Straight

6 cm
Tip width: 0.2 mm

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

No. 10098-06

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.



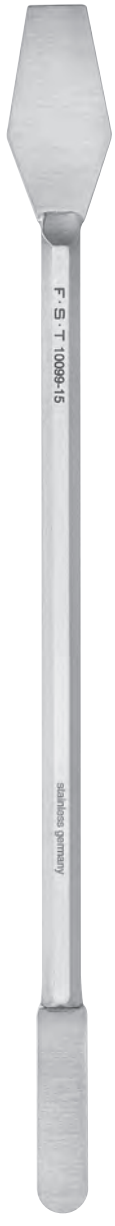


14.5 cm
Spatula dimension: 20 x 6 mm & 13 x 3 mm
Tip thickness: 0.5 mm

No. 10099-12

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

Spoon





Moria 1121B

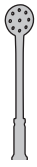
12.5 cm
Diameter: 8 mm
Depth: 2 mm

No. 10321-08

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

Perforated Spoon

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

MOST POPULAR



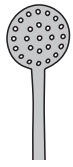


Moria MC 17 BIS

14.5 cm
Diameter: 15 mm
Depth: 3 mm

Perforations: 0.9 mm in diameter

No. 10370-18



Moria MC 17

14.5 cm
Diameter: 20 mm
Depth: 5 mm

Perforations: 0.9 mm in diameter

No. 10370-17

Mirror Finish Cutting Spoon

Non stick cutting spoon.





13 cm
Diameter: 4.5 mm
Depth: 0.15 mm

No. 10360-13

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

Pin Holder

MOST POPULAR

Moria



Moria MC1

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

No. 26016-12

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

Straight

5 cm
Stainless steel

No. 26007-02



Curved

5 cm
Stainless steel

No. 26007-03



Lancet half

5 cm
Stainless steel

No. 26007-04



Spatula

5 cm
Stainless steel

No. 26007-05

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

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

MOST POPULAR

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

Box of 500 pins
No. 26003-15

MOST POPULAR

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

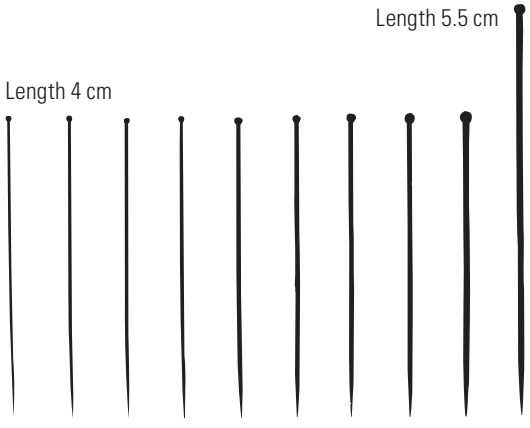
Box of 500 pins
No. 26002-20

MOST POPULAR

Black Anodized Insect Pins

Nylon heads
Tip diameter: 0.03 mm

Pkg. of 100 pins



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

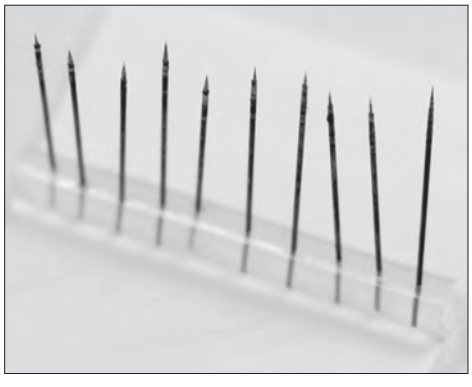
Nylon heads
Tip diameter: 0.03 mm

Pkg. of 100 pins

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	
0.25	No. 10130-10	
0.5	No. 10130-20	

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

Without lock
No. 12060-02



Curved

9 cm

With lock
No. 12061-01

Without lock
No. 12061-02

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

Round Handled Needle Holder

Round handles allow easy fingertip adjustments.





Straight

12.5 cm

With lock
No. 12075-12

Without lock
No. 12076-12



Curved

12.5 cm

Without lock
No. 12074-12

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

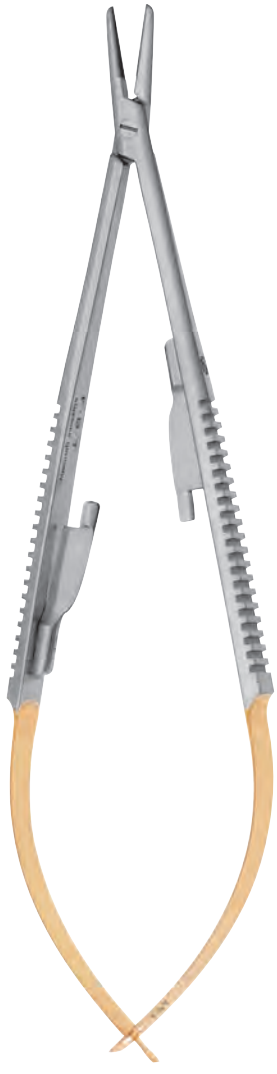
With tungsten carbide jaws
14 cm

With lock
No. 12510-14

Castroviejo with Tungsten Carbide Jaws

TUNGSTEN CARBIDE

For more information see page 211.





With tungsten carbide jaws
14 cm

With lock
No. 12565-14

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Halsey

MOST POPULAR

TUNGSTEN CARBIDE

For more information see page 211.





13 cm
Smooth
With lock

No. 12001-13



13 cm
With tungsten carbide jaws
With lock

No. 12501-13

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

Olsen-Hegar with Suture Cutter

MOST POPULAR

LEFT HANDED

12102-12





12 cm
10 mm cutting edge
With lock

No. 12002-12

No. 12102-12

14 cm
15 mm cutting edge
With lock

No. 12002-14

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

No. 12512-12

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

No. 12502-14

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Crile-Wood

TUNGSTEN CARBIDE

For more information see page 211.

LEFT HANDED

12504-15



15 cm
With tungsten carbide jaws
With lock

No. 12503-15

No. 12504-15

15 cm
With lock

No. 12003-15

Mayo-Hegar



16 cm
With lock

No. 12004-16

18 cm
With lock

No. 12004-18

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

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

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Microsurgical Needles with Suture Thread Attached

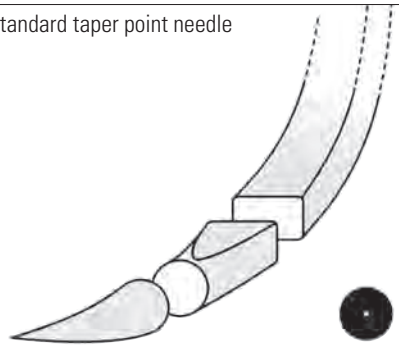
The combination of proprietary needle design technology and state-of-the-art manufacturing techniques has enabled S&T to provide a microsurgical needle that is unmatched in the industry. S&T microsurgical needles provide frictionless tissue penetration. They are inspected under the microscope at critical 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

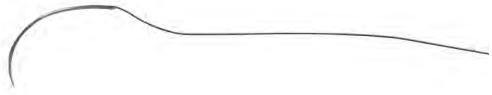
Standard taper point needle





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	
10/0	10	70	0.07	3	3/8	3.8	No. 12051-10	
8/0	15	140	0.14	5	3/8	6.4	No. 12051-08	

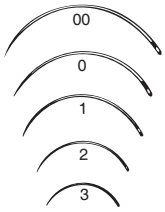
F · S · T
Fine Science Tools

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	
10/0	10	70	0.07	3.8	3/8	3.8	No. 12052-10	
9/0	15	100	0.1	5	3/8	5.1	No. 12052-09	
8/0	15	140	0.14	5	3/8	6.4	No. 12052-08	

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	
0	No. 12050-10	
1	No. 12050-01	
2	No. 12050-02	
3	No. 12050-03	

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	
6/0	0.08	23	No. 18020-60	
5/0	0.12	23	No. 18020-50	
4/0	0.17	23	No. 18020-40	
3/0	0.22	23	No. 18020-30	
2/0	0.32	23	No. 18020-20	
0	0.37	23	No. 18020-00	
1	0.45	23	No. 18020-01	
2	0.55	23	No. 18020-02	
3	0.65	23	No. 18020-03	

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	
7/0	0.05	91	No. 18030-70	
6/0	0.07	91	No. 18030-60	
5/0	0.10	91	No. 18030-50	
4/0	0.15	91	No. 18030-40	
3/0	0.20	91	No. 18030-30	

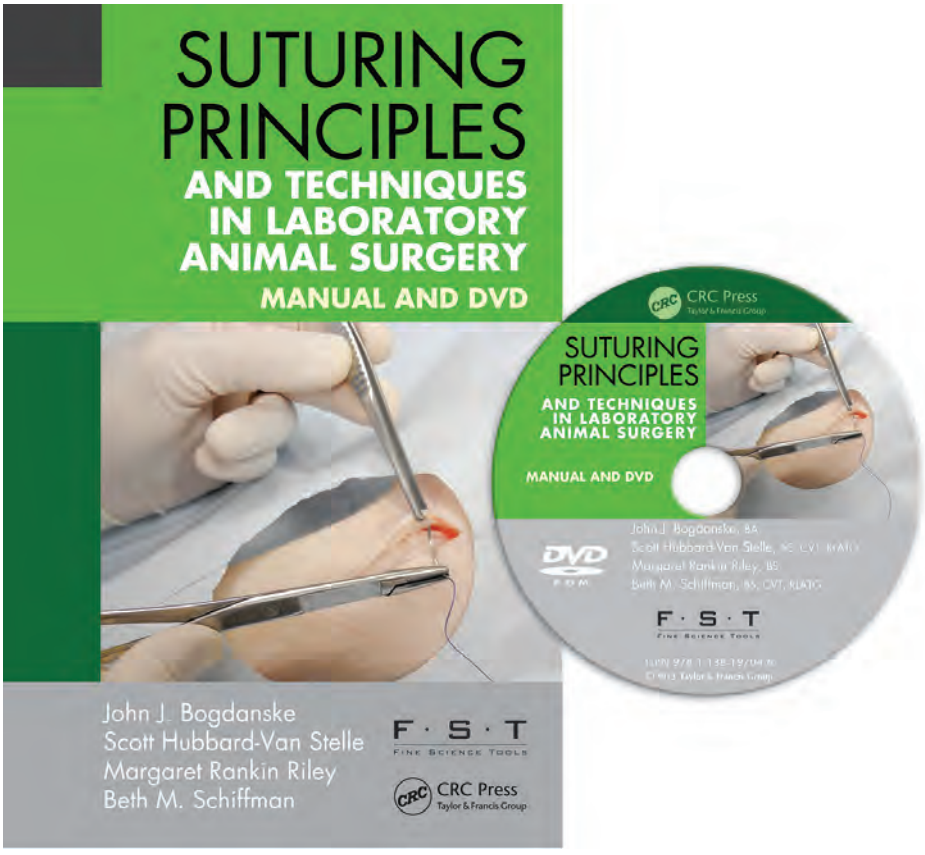
RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

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



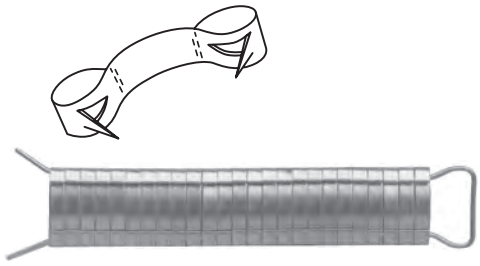
Includes: Fine Science Tools Item Number Reference Page for all surgical instruments used in the manual.

No. 23005-10

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	
11 x 2	No. 12040-02	
12 x 2.5	No. 12040-03	



Applying Forceps



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

No. 12018-12

Applying and Removing Instruments



Curved

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

No. 12028-12

Angled

13 cm
For clip size 12040-01

No. 12029-12

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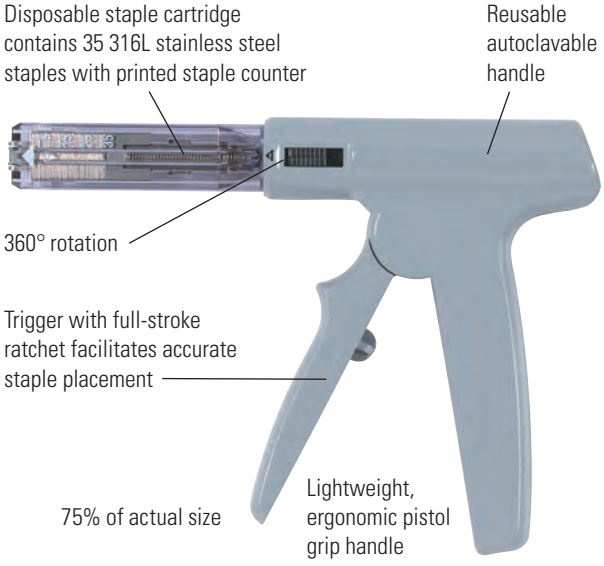
Reloadable Skin Stapler with Rotating Head

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

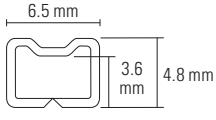
No. 12030-20

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

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

Handle
No. 12030-01

Staple Dimensions:



Staple, actual size:



Surgical Staple Remover

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



75% of actual size

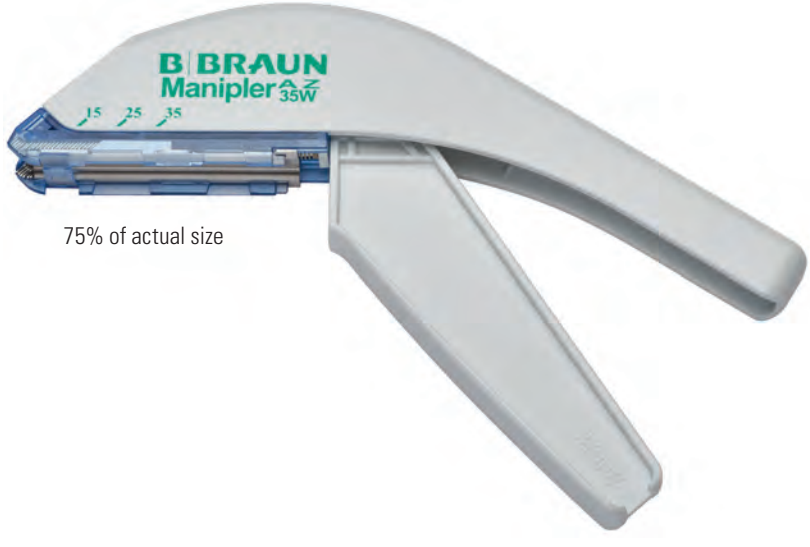
10 cm
No. 12030-04

Manipler® Skin Stapler

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

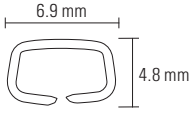
15 cm
35 staples per cartridge
No. 12035-00

NOT AUTOCLAVABLE



75% of actual size

Staple Dimensions:



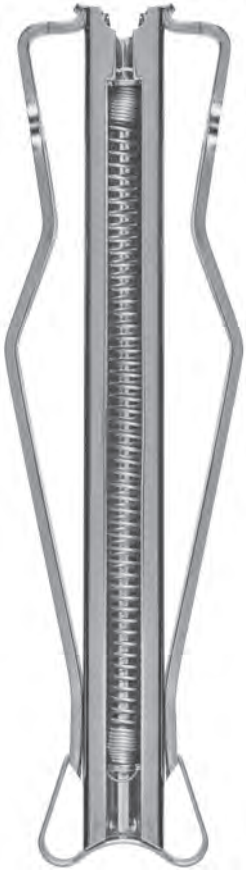
Staple, actual size:



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

AutoClip® applier
11.5 cm

No. 12020-09

AutoClip® clips
9 mm
Pkg. of 100 clips

No. 12022-09

AutoClip® clips
9 mm
Pkg. of 1000 clips

No. 12022-19

AutoClip® remover
12.5 cm

No. 12023-00

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Guthrie

Extra delicate pattern.



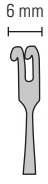


13 cm
2 Pronged
Blunt

No. 17021-13

Fine Retractor





13.5 cm
2 Pronged
Blunt

No. 17023-13

Blair





13.5 cm
4 Pronged
Blunt

No. 17022-13

Fomon



80% of
actual size



17 cm
2 Pronged
2 mm Ball at each tip

No. 17020-17

Slide Retractor with Blades



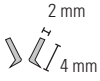


2 cm
Maximum spread: 1 cm
Atraumatic blades

No. 17004-03

Mini-Goldstein





2 cm
Maximum spread: 0.5 cm
3x3 Sharp teeth

No. 17002-02

Mini-Colibri





2 cm
Maximum spread: 1 cm

No. 17000-01

Slide Retractor with Teeth



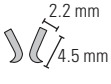


2 cm
Maximum spread: 1 cm
2x2 Blunt teeth

No. 17005-03

Goldstein





3 cm
Maximum spread: 1.8 cm
3x3 Sharp teeth

No. 17003-03

Colibri

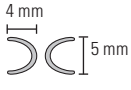
MOST POPULAR
17000-03





3 cm
Maximum spread: 1.5 cm

No. 17000-03



4 cm
Maximum spread: 1.5 cm

No. 17000-04

3 cm
Maximum spread: 1.2 cm

No. 17000-02

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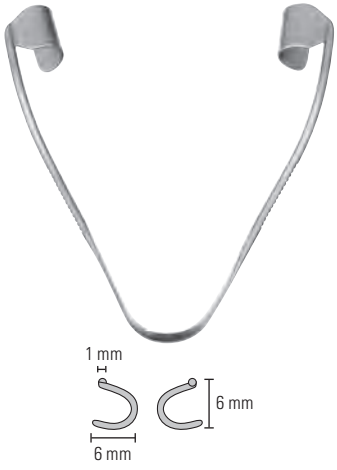
Speculum



Moria 7699

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

No. 17370-53

Fine Adjustable Wire Retractor



5 cm
Maximum spread: 3.5 cm
Thin, curved blades

No. 17004-05

Colibri

NEW ITEM



Moria 6346D	Moria 6346C	Moria 6346B
3.4 cm Maximum spread: 1.5 cm	3.3 cm Maximum spread: 1.5 cm	3.5 cm Maximum spread: 2 cm
No. 17300-02	No. 17300-03	No. 17300-04

Agricola

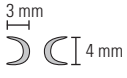


4 cm
Maximum spread: 3.5 cm
3x3 Sharp teeth

No. 17005-04

Alm Retractor with Wire Teeth





7 cm
Maximum spread: 4 cm
Arms gently curved down

No. 17010-07

Alm Retractor with Blunt Teeth



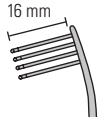


7 cm
Maximum spread: 4 cm
Arms gently curved down

Blunt teeth
No. 17008-07

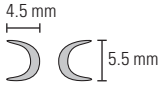
Alm Retractor with Blades





7 cm
Maximum spread: 4 cm
Arms gently curved down

Long blunt teeth
No. 17009-07



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

No. 17009-08

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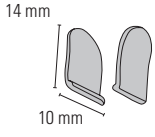
Spring-Loaded Retractor

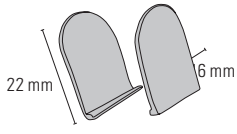
Curved atraumatic blades





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

No. 17006-05

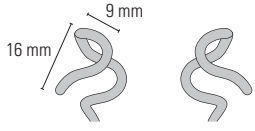


8 cm
Maximum spread: 4 cm
Blade dimensions: 22 x 16 mm

No. 17007-08

Bowman



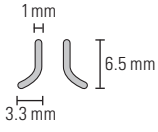


8 cm
Maximum spread: 2.5 cm

No. 17001-07

Heiss



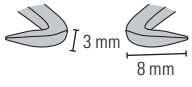


Maximum spread: 2.3 cm
4x4 Blunt teeth
10 cm

No. 17011-10

Gelpi





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

No. 17017-10

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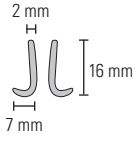
Weitlaner-Locktite





2x3 Blunt teeth

11 cm
Maximum spread: 4.5 cm

No. 17012-11

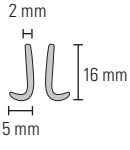
3x4 Blunt teeth

13 cm
Maximum spread: 6.5 cm

No. 17012-13

Wullstein

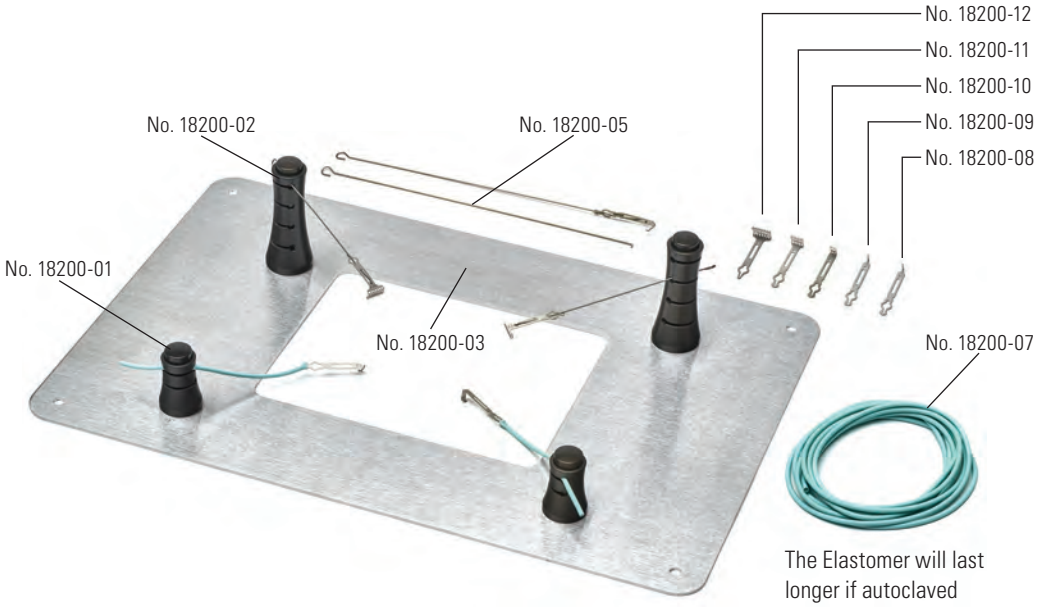




Angled down
3x3 Blunt teeth

11 cm
Maximum spread: 4.5 cm

No. 17018-11



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

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

Individual parts:

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

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

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

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

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

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

Elastomer, 2 m roll
No. 18200-07

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

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

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

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

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

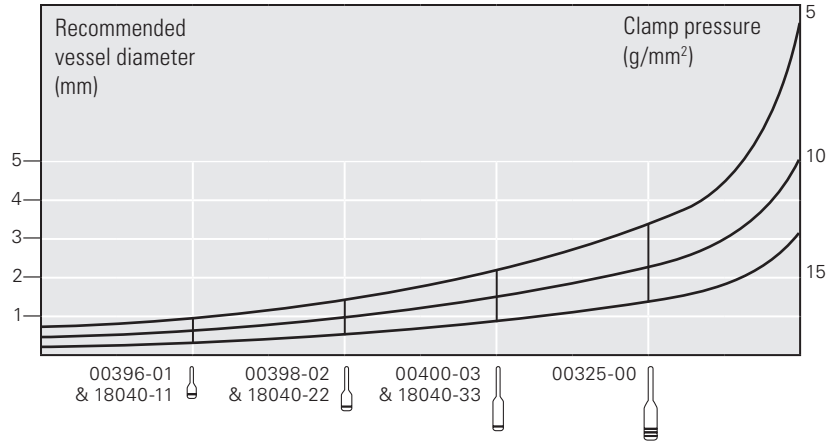
RESEARCH ONLY PRODUCTS ARE FOR RESEARCH AND VETERINARY PURPOSES ONLY. · MOST ITEMS SHOWN IN ACTUAL SIZE

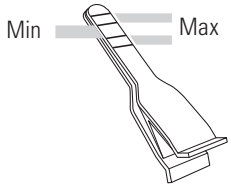
Clamp Size and Clamp Pressure

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


S&T B-2
No. 00398-02


S&T B-3
No. 00400-03


S&T HD-S
No. 00325-00

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


No. 18040-22

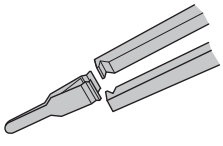

No. 18040-33

Micro Clamp Applying Forceps

S&T®



14 cm
Only compatible with
S&T Micro Clamps

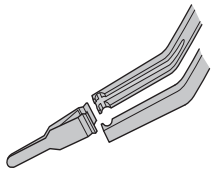


With lock
No. 00071-14

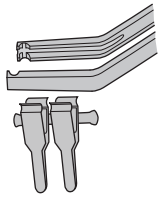
Without lock
No. 00072-14

Micro Clamp Applying Forceps





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



Without lock
No. 18040-14

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

Micro Clip Applicator with Lock

MOST POPULAR





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

With lock
No. 18056-14

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

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



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



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



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

Moria Bulldog Type Clamps

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



Straight
Moria MC43

No. 18374-43



Curved
Moria MC44

No. 18374-44

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

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



Angled
50 mm

No. 18039-45

Bulldog Type Serrefines

Serrated

Straight
28 mm
Medium pressure



No. 18050-28

Curved
28 mm
Medium pressure



No. 18051-28



Straight
35 mm
Strong pressure

No. 18050-35

Straight
50 mm
Strong pressure

No. 18050-50

MOST POPULAR



Curved
35 mm
Strong pressure

No. 18051-35

Curved
50 mm
Strong pressure

No. 18051-50

Schwartz Micro Serrefines

Non-serrated
Strong pressure
26 mm

MOST POPULAR

Straight



No. 18052-01

Light bend



No. 18052-02

Sharp bend



No. 18052-03

Biemer Clip

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

NEW ITEM

15 mm
Clamping Length: 6 mm

No. 18058-15



18 mm
Clamping Length: 9 mm

No. 18058-18



Mini Serrefines

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

Straight



No. 18054-28

Curved



No. 18053-28

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



Remover

Horizon™
Clip Remover

Straight
16.5 cm

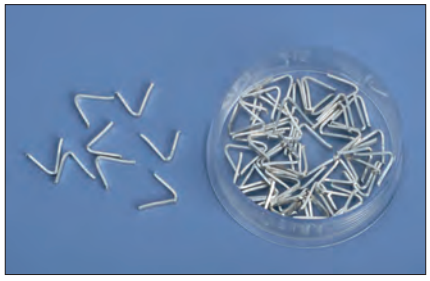
No. 18073-00

Applicator

Horizon™
Ligation Applicator

Curved
20 cm

No. 18070-00



Silver Neuro Clips

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

Pkg. of 100 clips
No. 18040-00

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.

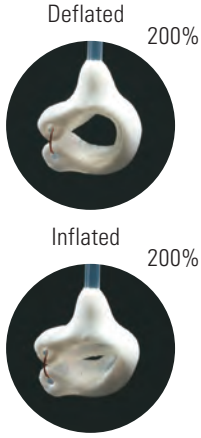
Operation

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.





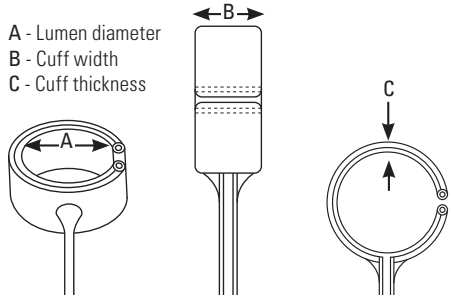
The actuating tube length is 90 cm and measures 0.76 mm ID x 1.6 mm OD. Detailed instructions are included.

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.

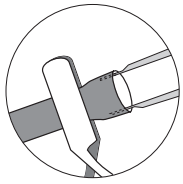


VO-1.5 N	VO-2	VO-3
Lumen diameter: 1.5 mm	Lumen diameter: 2 mm	Lumen diameter: 3 mm
Cuff width: <3.5 mm	Cuff width: 5 mm	Cuff width: 5 mm
Cuff thickness: 1.5 mm	Cuff thickness: 1.5 mm	Cuff thickness: 1.5 mm
No. 18080-01	**No. 18080-02**	**No. 18080-03**

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

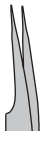
Vessel Dilators

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

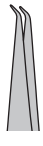
No. 00126-11

Tip diameter: 0.2 mm

No. 00125-11

S&T®



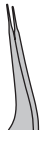


Angled 45°

13.5 cm
Tip diameter: 0.2 mm

No. 00276-13





Angled 10°

12 cm
Tip diameter: 0.1 mm

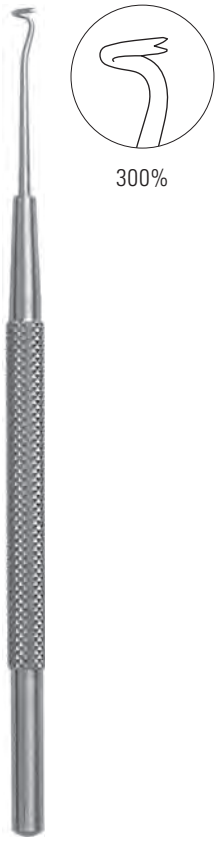
No. 18131-12

Tip diameter: 0.2 mm

No. 18132-12

V-Hook

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

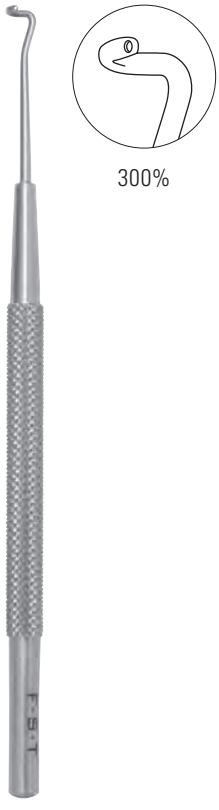


11 cm
Tip diameter: 0.4 x 0.2 mm

No. 18052-12

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.



Ultrafine

10.5 cm
Hole diameter: 0.4 mm

No. 18062-12

LEFT HANDED

18063-13



13.5 cm
Hole diameter: 1 mm

No. 18062-13

13.5 cm
Hole diameter: 1 mm

No. 18063-13

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.

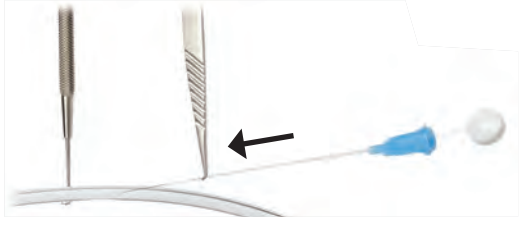


Features

- 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.



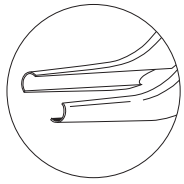
Instruments sold separately.

8 cm
Cannula size 0.33 mm OD - 0.16 mm ID

No. 18000-10

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

11 cm
For tubing between
0.5 and 1 mm OD

No. 00574-11



11 cm
For tubing of 0.35 mm OD

No. 11280-11

11 cm
For tubing of 0.5 mm OD

No. 11281-11

11 cm
For tubing of 1 mm OD

No. 11282-11



11.5 cm
For tubing of 0.35 mm OD

No. 18403-11

11.5 cm
For tubing of 0.6 mm OD

No. 18406-11

13.5 cm
For tubing of 0.6 mm OD

No. 18406-13

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)

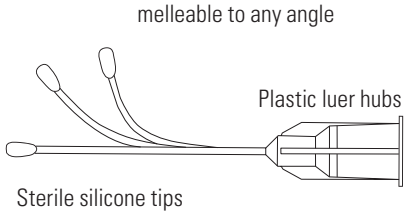
Gauge	Length (mm)	Tip diameter (mm)	Shape	Mice	Rats	Guinea pigs	Item	Price
24	25	1.25	Straight	>14 g			**No. 18061-24**	
22	25	1.25	Straight	15-20 g			**No. 18061-22**	
20	30	Barrel	Straight	20-25 g	50-75 g		**No. 18060-20**	
20	38	2.25	Straight	20-25 g	50-75 g		**No. 18064-20**	
20	38	2.25	Curved	20-25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

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**	
18	50	2.50	Flexible	25-30 g	100-200 g		**No. 18061-18**	
15	75	3.00	Flexible		200-350 g	400-600 g	**No. 18061-15**	

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

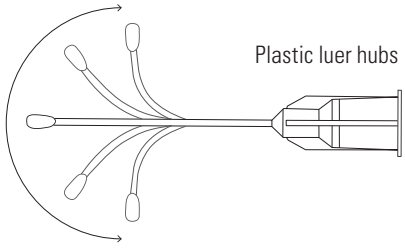
No. 18961-15

No. 18961-17

No. 18961-18

No. 18961-20

Flexible



Sterile silicone tips

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	
18	38	Barrel 2	Flexible	20-30 g	100-200 g	250-300 g	No. 18961-18	
17	52	Barrel 2.4	Flexible	25-30 g	100-200 g	250-300 g	No. 18961-17	
15	78	Barrel 2.6	Flexible		200-350 g	400-600 g	No. 18961-15	
18	75	Barrel 2	Flexible	25-30 g	150-250 g	250-300 g	No. 18961-75	
17	85	Barrel 2.4	Flexible	25-30 g	150-250 g	250-300 g	No. 18961-85	

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

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

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

Replacement Tip

Punch diameter: 2 mm

No. 24213-12

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.**



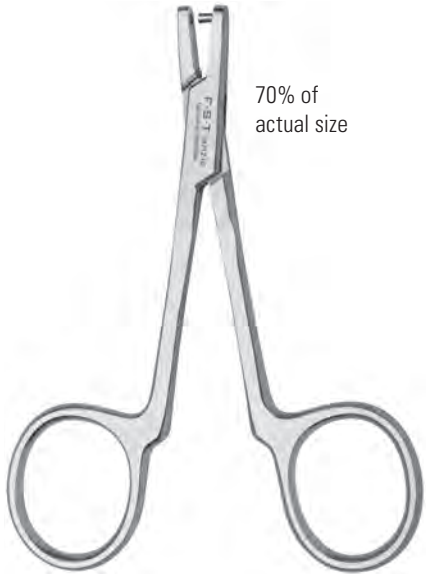
70% of actual size

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

No. 24214-02

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

Punch diameter: 2 mm

No. 24212-02

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	No. 24202-02	No. 24202-01	No. 24202-04	No. 24202-03	No. 24202-05

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	No. 24202-12	No. 24202-11	No. 24202-14	No. 24202-13	No. 24202-15

ANIMAL ACCESSORIES

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



50% of actual size

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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



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

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



1 oz / 29.6 ml

Green tattoo paste

No. 24201-01



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

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



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.

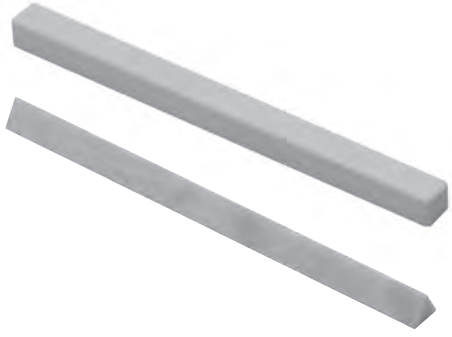
6 mm x 9 cm

Square stone

No. 29008-01

Triangular stone

No. 29008-12



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



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

Instrument Oil

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



50 ml bottle

No. 29055-00

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

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

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	
Blue	290 x 0.6 cm	Vinyl	No. 29071-02	
Yellow	290 x 0.6 cm	Vinyl	No. 29071-03	
Red	290 x 0.6 cm	Vinyl	No. 29071-04	
White	290 x 0.6 cm	Vinyl	No. 29071-05	
Black	290 x 0.6 cm	Vinyl	No. 29071-06	
Brown	290 x 0.6 cm	Vinyl	No. 29071-07	
Orange	290 x 0.6 cm	Vinyl	No. 29071-08	

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	



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	
Blue	510 x 0.6 cm	Vinyl	No. 29070-02	
Yellow	510 x 0.6 cm	Vinyl	No. 29070-03	
Red	510 x 0.6 cm	Vinyl	No. 29070-04	
White	510 x 0.6 cm	Vinyl	No. 29070-05	
Black	510 x 0.6 cm	Vinyl	No. 29070-06	
Brown	510 x 0.6 cm	Vinyl	No. 29070-07	
Orange	510 x 0.6 cm	Vinyl	No. 29070-08	
Purple	510 x 0.6 cm	Vinyl	No. 29070-09	

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



2 x 19 mm
Pkg. of 25
Material: Plastisol

No. 29060-02



2.8 x 19.1 mm
Pkg. of 25
Material: Plastisol

No. 29060-03



3.2 x 25.4 mm
Pkg. of 25
Material: Plastisol

No. 29060-04



4.8 x 25.4 mm
Pkg. of 25
Material: Plastisol

No. 29060-05



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

No. 29060-06



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

No. 29060-00

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 x 25.5 mm
Pkg. of 10
Material: Plastisol

No. 29066-02



15 x 25 mm
Pkg. of 10
Material: Plastisol

No. 29066-03



25 x 26 mm
Pkg. of 10
Material: Plastisol

No. 29066-04



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

No. 29066-00

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	13 x 26 cm For instruments up to 23 cm long	18 x 30 cm For instruments up to 26 cm long
Pkg. of 100 pouches	Pkg. of 100 pouches	Pkg. of 100 pouches
No. 28000-07	No. 28000-10	No. 28000-12

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

Replacement glass beads for FST 250
Weight: 150 gr

No. 18000-46

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

Replacement glass beads for FST 350
Weight: 300 gr

No. 18000-51

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

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

Replacement glass beads for small sterilizer
Weight: 150 gr

No. 18000-47



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

Replacement glass beads for tall sterilizer
Weight: 300 gr

No. 18000-52

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

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.



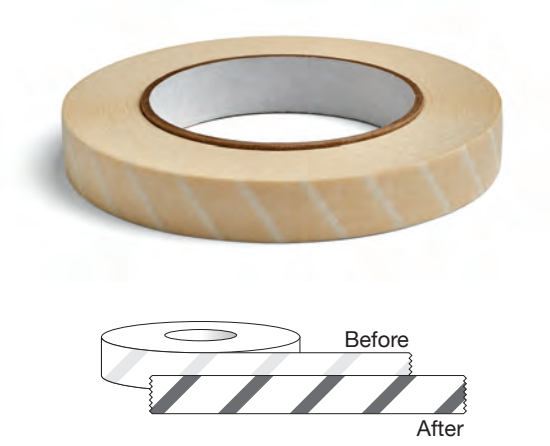
Tape sold separately.

23.5 cm
Coated steel

No. 28001-00

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

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.

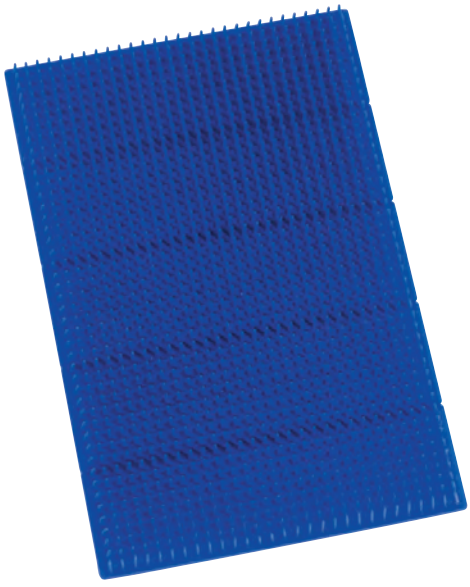
38 x 38 cm

Pkg. of 25 wraps
No. 28015-15
51 x 51 cm

Pkg. of 25 wraps
No. 28020-20

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

Magnetic Sterilization Mat

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



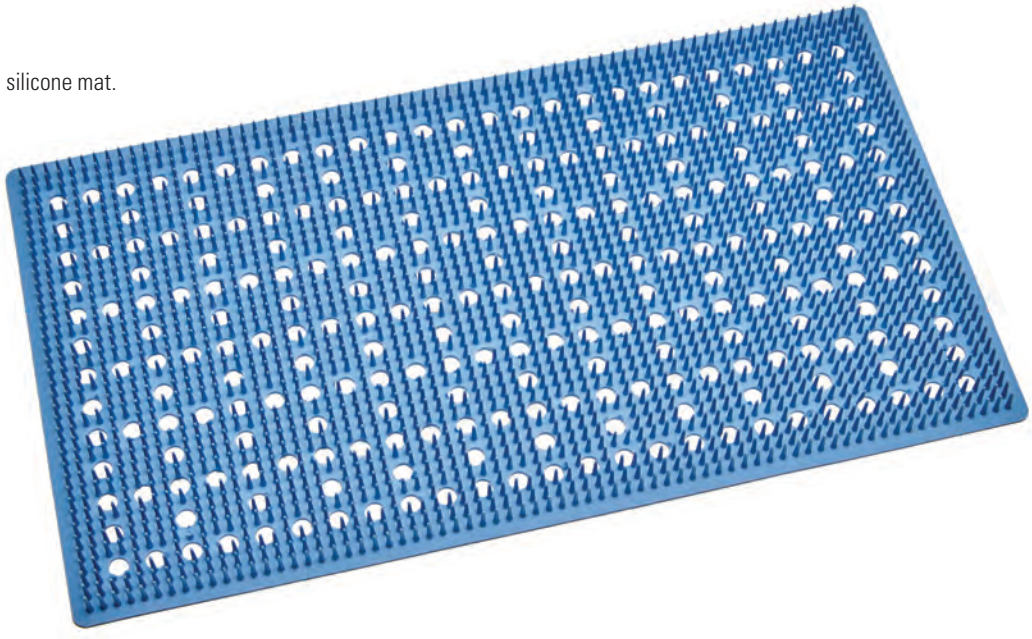
Instruments not included.

30 x 20 cm

No. 20350-00

Silicone Mat

Large, economical silicone mat.
Autoclavable.



46 x 25 cm

No. 20325-10

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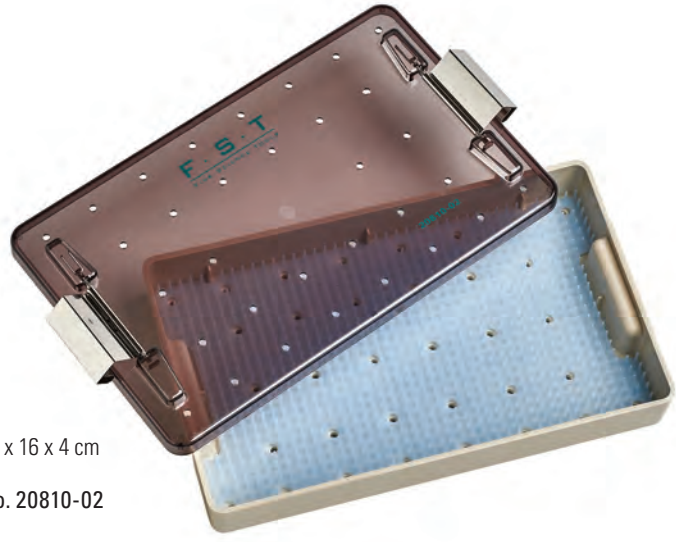
Sterilization Container

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



27 x 16 x 4 cm

No. 20810-02

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

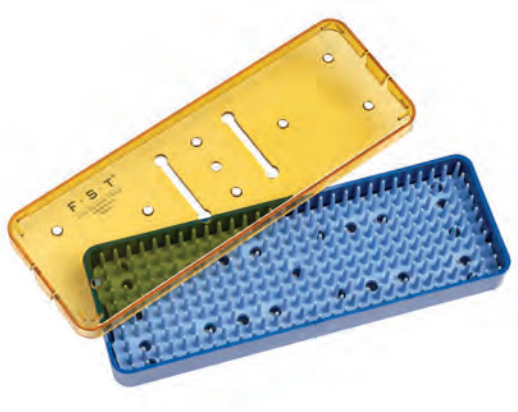
No. 20820-00

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.

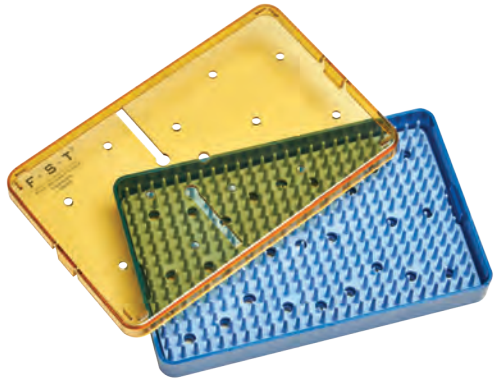
MOST POPULAR

20840-03



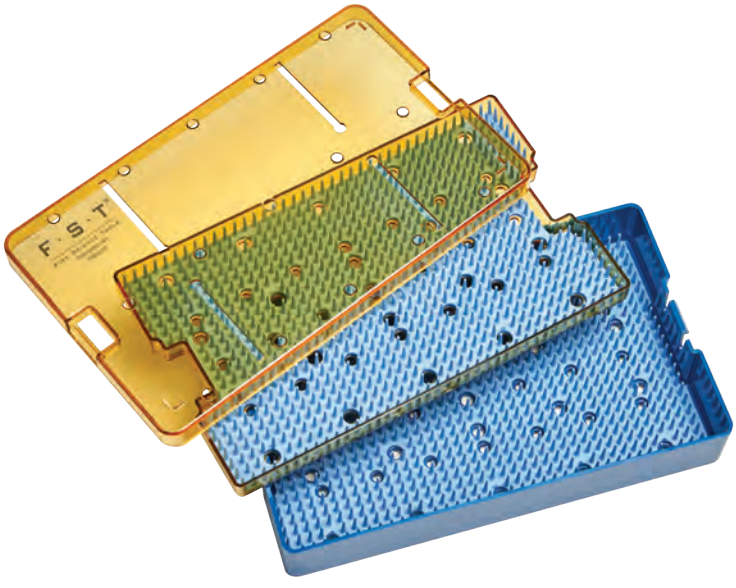
19 x 7 x 2 cm
Single tier

No. 20840-01



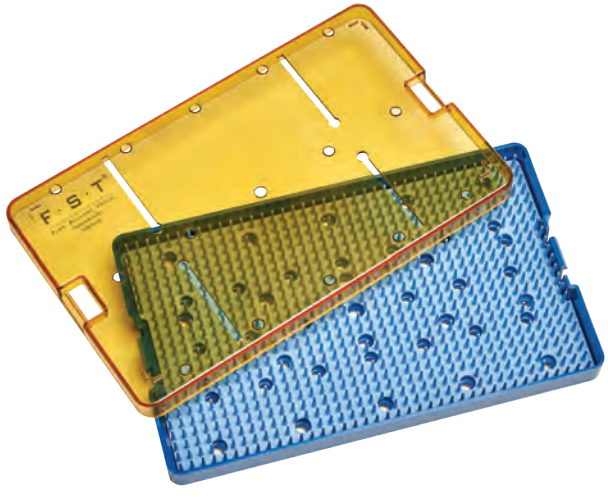
17 x 10 x 2 cm
Single tier

No. 20840-02



25 x 15 x 4 cm
Double tier

No. 20842-03



25 x 15 x 2 cm
Single tier

No. 20840-03

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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

5 Long-term textile filters
No. 20850-10

One Long-term textile filter
No. 20850-11

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

10 Long-term textile filters
No. 20890-72

One Long-term textile filter
No. 20890-71

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

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



18 x 9 x 3 cm
Green

No. 20330-01



18 x 9 x 3 cm
Red

No. 20330-02



18 x 9 x 3 cm
Yellow

No. 20330-03

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

17 x 8 x 2 cm
Green

No. 20830-01

17 x 8 x 2 cm
Clear

No. 20830-02

17 x 8 x 2 cm
Yellow

No. 20830-03

17 x 8 x 2 cm
Pink

No. 20830-04

17 x 8 x 2 cm
Orange

No. 20830-05

17 x 8 x 2 cm
Purple

No. 20830-06

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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

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®



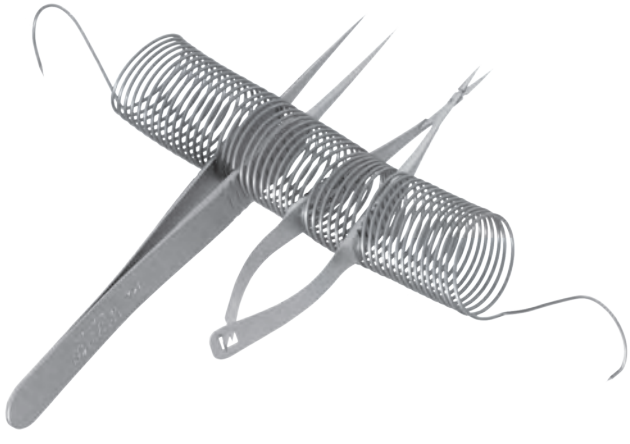
Instrument not included.

Diameter: 10 cm
Height: 8 cm

No. 00081-00

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

Stainless Steel Burrs

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



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

* 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	
0.7*	No. 19007-07	
0.9**	No. 19007-09	
1.4	No. 19007-14	
2.1	No. 19007-21	
2.9	No. 19007-29	

* 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	
0.7*	No. 19009-07	
0.9**	No. 19009-09	

* 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	
2.3	No. 18004-23	
2.7	No. 18004-27	
5	No. 18004-50	

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



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



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

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



MOST POPULAR

Replacement tips
Straight standard
Sterile
Single use

Box of 10 tips

No. 18010-01



MOST POPULAR

Replacement tips
Straight fine
Sterile
Single use

Box of 10 tips

No. 18010-02

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



Replacement tips
Straight Fine
Sterile
Single use

Box of 10 tips

No. 18019-01



Replacement tips
Elongated Straight Fine
Sterile
Single use

Box of 10 tips

No. 18019-02

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



Replacement tip
Straight fine

No. 18000-01



Replacement tip
Angled fine

No. 18000-02



Replacement tip
Straight knife

No. 18000-03



Replacement tip
Straight knob

No. 18000-04

Cautery kit

No. 18000-00

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	
0.41	0.70	22	4.5	No. 18036-22	
0.69	1.00	19	4.5	No. 18036-19	

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



Absorption Triangles
2 cm
Sterile

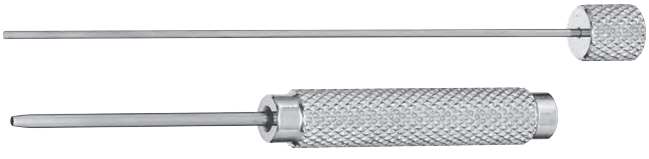
Box of 500 triangles
No. 18105-03

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	
0.50	1.00	19	No. 18035-50	
0.80	1.45	17	No. 18035-80	
1.00	1.80	15	No. 18035-01	
2.00	3.00	11	No. 18035-02	
3.00	4.00	8	No. 18035-03	
5.00	6.00	4	No. 18035-05	

Fiber Optic Swabs



Straight

15 cm
Tip diameter: 2.5 mm
Pack of 100

No. 18106-01

Micro Cleaning Brush



70 mm
Nylon

Bag of 25

No. 18196-10

Miniature File Set

Comes with 8 different file profiles in a vinyl pouch.

NOT AUTOCLAVABLE



10 cm
Carbon Steel

No. 30076-14

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

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

Replacement Blade

Straight

Cutting Edge: 58 mm
Ceramic Blade

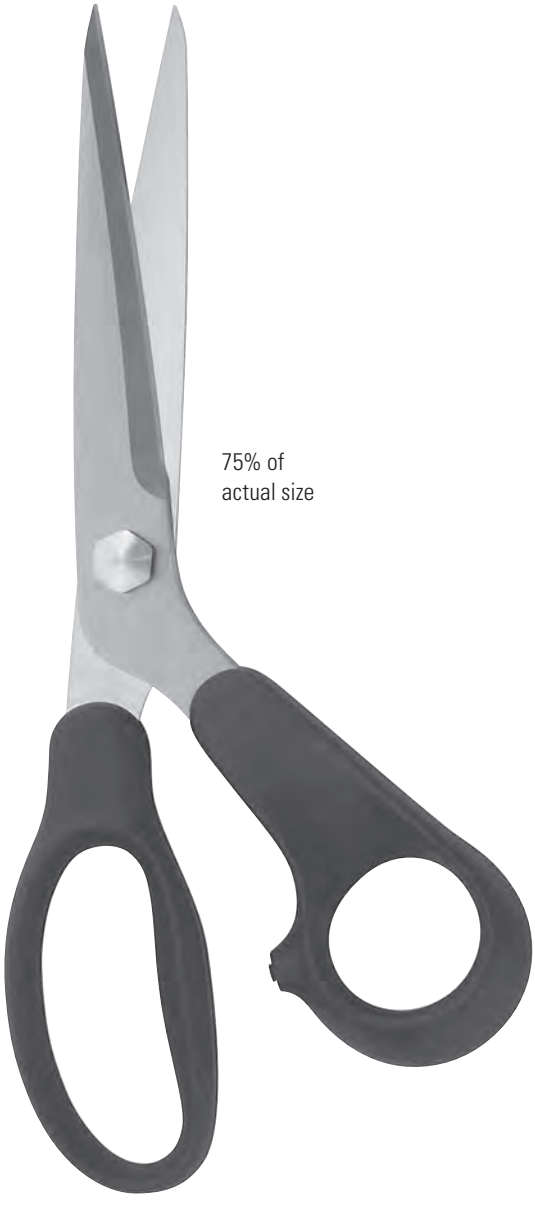
No. 10025-71

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

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.

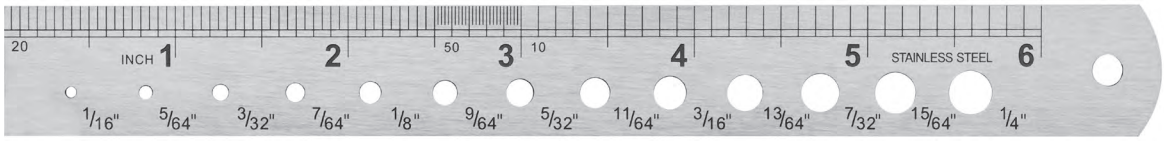
NOT AUTOCLAVABLE



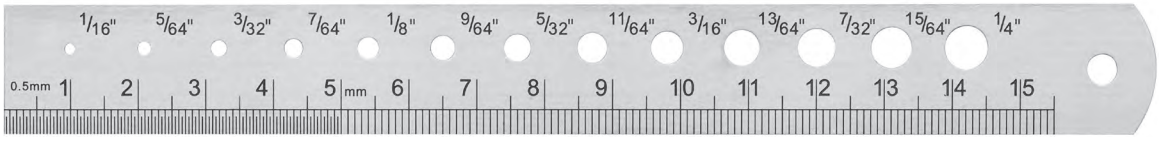
13 cm
Stainless steel
with plastic handle

No. 37500-05

Ruler with Gauge Measurements



Front



Back

90% of actual size

Stainless steel

15 cm (6")

No. 30085-15

Ruler with Metric Conversion Table



Front



Back

50% of actual size

Stainless steel

30 cm (12")

No. 30085-30

Ruler Label

Used for stable measurements in all surgical platforms.

NOT AUTOCLAVABLE

6 cm

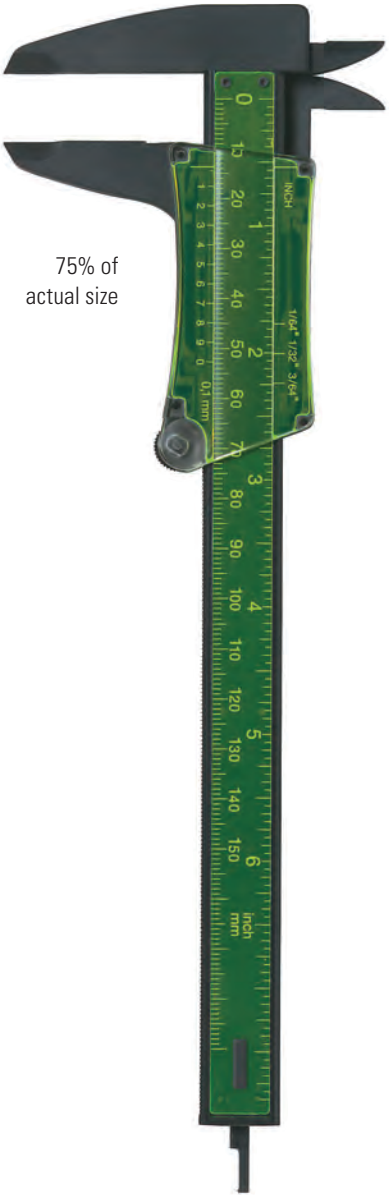
Pkg. of 25 labels
No. 29027-00



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

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

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

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.

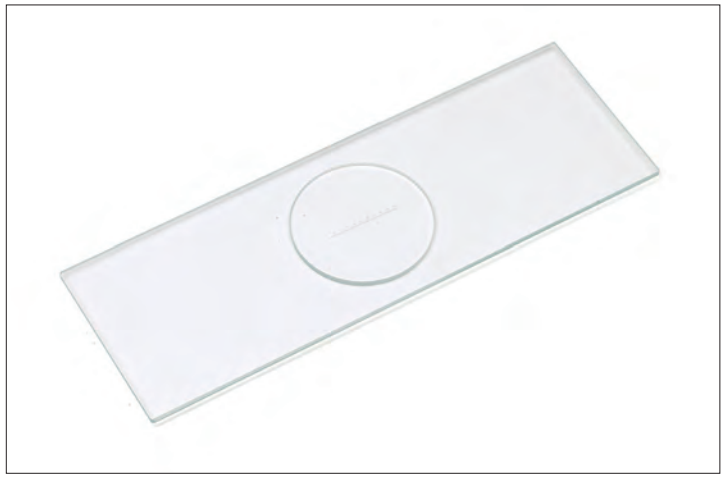


Magnification: 10x
Field of view: 30 mm
Working distance: 10 mm (without scale)
Illumination: Ultra-bright LED
38 x 38 x 40 mm

No. 29026-10

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

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

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.



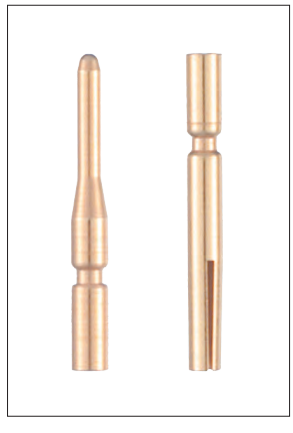
LCD display: 4.5 x 4.5 cm
7 x 8.5 x 1.5 cm
AAA battery included

No. 27000-01

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

Pkg. of 50 female contacts
No. 19003-01

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

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

No. 28030-03

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

No. 28030-04

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

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

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

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

No. 28050-35

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

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

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

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

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.

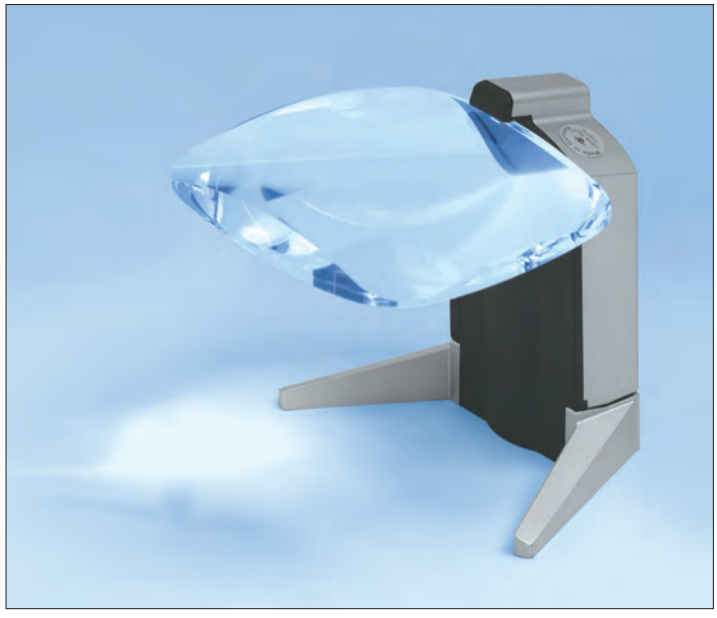


Magnification: 2.5x
Diopter: 6D
Lens size: 76 mm
Lens shape: Aspheric
Working distance: Variable
Lens material: PXM® lightweight lens with patented Ceratec® scratch-resistant coating
Illumination: Latest SMD LED technology
Power source: 120V & 220V

No. 28015-25

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

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

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

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

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

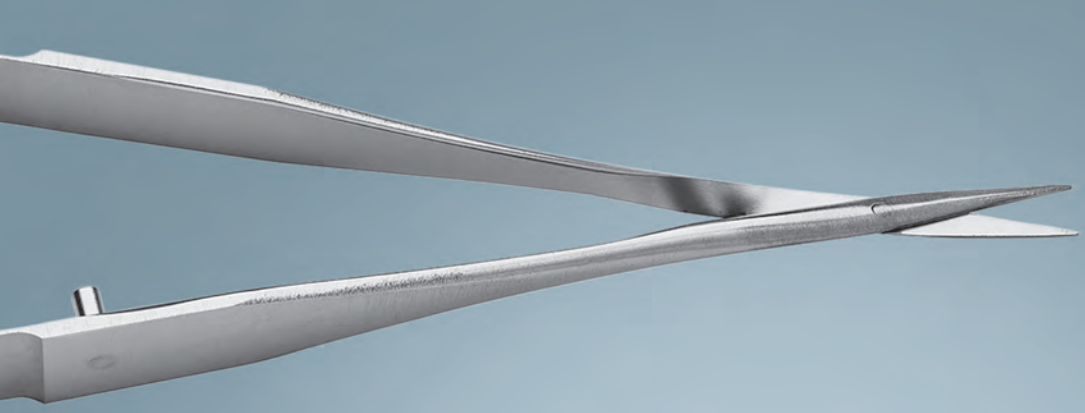


Can be used with the Eschenbach Clip-On LED light.

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

No. 28030-13

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



Curved
Sharp / Sharp

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

No. 91501-09

Fine Scissors

MOST POPULAR

91460-11





Straight
Sharp / Sharp

11,5 cm
Cutting edge: 20 mm

No. 91460-11



Curved
Sharp / Sharp

11,5 cm
Cutting edge: 20 mm

No. 91461-11

Straight
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 91460-12

Curved
Sharp / Sharp

12 cm
Cutting edge: 20 mm

No. 91461-12

Sanvenero





Straight
Sharp / Sharp

14.5 cm
Cutting edge: 30 mm

No. 91408-14

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Surgical Scissors

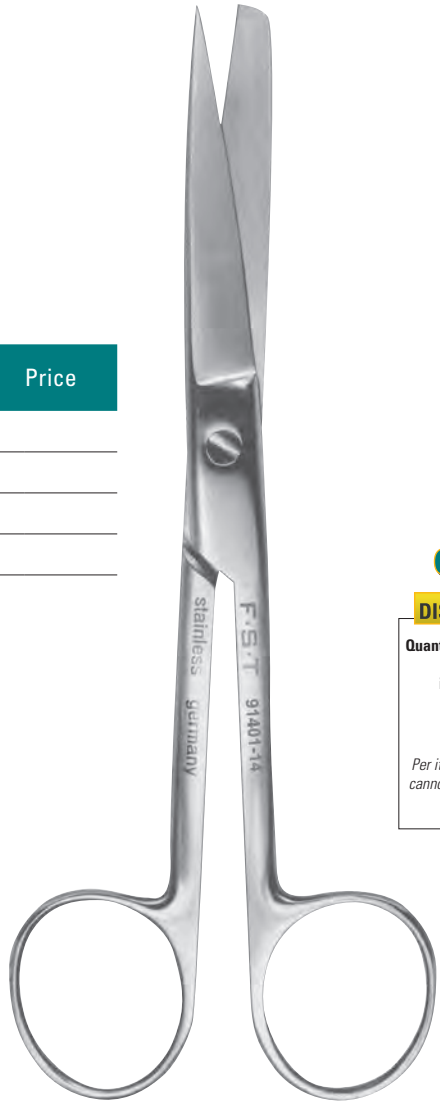




Length (cm)	Cutting edge (mm)	Straight Sharp/Sharp	Price	Straight Sharp/Blunt	Price	Straight Blunt/Blunt	Price
10.5	35	No. 91402-10		No. 91401-10		No. 91400-10	
12	40	No. 91402-12		No. 91401-12		No. 91400-12	
13	40	No. 91402-13		No. 91401-13			
14.5	45	No. 91402-14		No. 91401-14		No. 91400-14	




Length (cm)	Cutting edge (mm)	Curved Sharp/Sharp	Price	Curved Sharp/Blunt	Price
11.5	40	No. 91405-11			
12	40			No. 91404-12	
13	40	No. 91405-13		No. 91404-13	
14.5	45	No. 91405-14		No. 91404-14	



% 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

Spencer Ligature





Straight
Sharp / Sharp

9 cm
Cutting edge: 20 mm

No. 91476-09

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

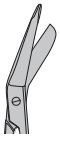
Per item, selection cannot be assorted for discount.

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

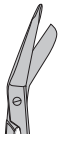
No. 91413-14



Angled to side
Blunt/Blunt

18 cm
Cutting edge: 45 mm

No. 91413-18



Angled to side
Blunt/Blunt

20 cm
Cutting edge: 50 mm

No. 91413-20

Mayo



90% of
actual size



Curved
Sharp/Blunt

14.5 cm
Cutting edge: 50 mm

No. 91409-15



Straight
Blunt/Blunt

17 cm
Cutting edge: 50 mm

No. 91410-17



Curved
Blunt/Blunt

17 cm
Cutting edge: 50 mm

No. 91411-17

% 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





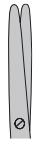
Curved
Blunt/Blunt

14.5 cm
Cutting edge: 30 mm

No. 91419-14

Metzenbaum





Straight
Blunt/Blunt

14.5 cm
Cutting edge: 35 mm

No. 91416-14



Curved
Blunt/Blunt

18 cm
Cutting edge: 35 mm

No. 91417-18

% 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

Bone Scissors

For cutting fine bone.



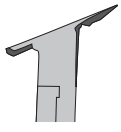
Curved

9 cm
Cutting edge: 9 mm

No. 91604-09



Bone Cutter



Angled 30°

11 cm
Cutting edge: 19.5 mm
Blue Plastic Handle

No. 91601-11

% 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

Standard Scalpel Handle #3



For scalpel blades, see page 60.

#3

12 cm

No. 91003-12

% 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

Dumont #7

MOST POPULAR





Standard tip
Curved

11 cm
Inox
0.17 x 0.1 mm

No. 91197-00

% 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

Fine Forceps Straight





Straight

11 cm
0.2 x 0.1 mm

No. 91115-10

Fine Forceps Broad Shanks





Broad Shanks

12 cm
0.2 x 0.2 mm

No. 91113-10

Fine Forceps Curved





Curved

12 cm
0.2 x 0.2 mm

No. 91117-10

Fine Forceps Angled





Angled

11 cm
0.2 x 0.2 mm

No. 91110-10

% 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



Straight

11.5 cm
Tip Ø: 1 mm

No. 91139-12

Splinter Forceps

SERRATED





Straight
Sharp

10.5 cm
Tip Ø: 0.3 mm

No. 91156-11

% 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



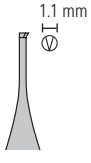
80% of actual size



Serrated

12 cm
Tip width: 0.7 mm

No. 91118-12



1x2 teeth

12 cm
Tip width: 1.1 mm

No. 91119-12

Adson

Wide, strong grip with narrow tips.

SERRATED
91106-12



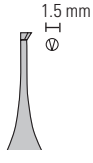
80% of actual size



Serrated

12 cm
Tip width: 1.5 mm

No. 91106-12



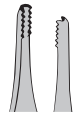
1x2 teeth

12 cm
Tip width: 1.5 mm

No. 91127-12

Adson-Brown





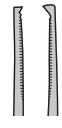
Shark teeth

12 cm
Tip width: 2.5 mm

No. 91162-12

Adson with Cross Serrations





1x2 teeth
Cross-serrations

12 cm
Tip width: 1.3 mm

No. 91427-12



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



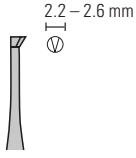
Anatomical Standard Pattern



Straight
Serrated

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

Surgical Standard Pattern



Straight
1x2 teeth

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

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

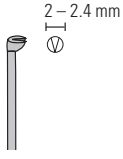
Anatomical Narrow Pattern



Straight
Serrated

Tip width (mm)	Length (cm)	Item	Price
1.5	11.5	No. 91102-12	
2.1	13	No. 91102-13	
2.2	14.5	No. 91102-14	
2.3	16	No. 91102-16	

Surgical Narrow Pattern



Straight
1x2 teeth

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

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

Straight

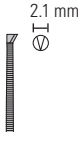
14.5 cm
Tip width: 2.2 mm

No. 91108-14

Gillies



80% of actual size



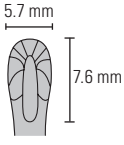
1x2 teeth
Cross-Serrated

15.5 cm
Tip width: 2.1 mm

No. 91128-15

Russian





15 cm
Tip dimensions: 7.6 x 5.7 mm

No. 91126-15

McIndoe

SERRATED





Serrated

15 cm
Tip width: 1.2 mm

No. 91138-15

% 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



Curved
Serrated

12.5 cm
Tip width: 1.4 mm

No. 91309-12



Curved
1x2 teeth and
Serrated

12 cm
Tip width: 1.9 mm

No. 91331-12

Hartmann





Curved
Serrated

10 cm
Tip width: 1.6 mm

No. 91303-10

% 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

Crile



80% of
actual size



Straight
Serrated

14 cm
Tip width: 1.3 mm

No. 91304-14

Curved
Serrated

14 cm
Tip width: 1.3 mm

No. 91305-14

Straight
Serrated

16 cm
Tip width: 1.7 mm

No. 91304-16

Curved
Serrated

16 cm
Tip width: 1.7 mm

No. 91305-16

DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

Kelly

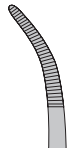




Straight
Serrated

14.5 cm
Tip width: 1.6 mm

No. 91318-14



Curved
Serrated

14.5 cm
Tip width: 1.8 mm

No. 91319-14

Rochester-Pean



80% of
actual size



Straight
Serrated

14 cm
Tip width: 2 mm

No. 91316-14

Curved
Serrated

14 cm
Tip width: 2 mm

No. 91317-14

Straight
Serrated

16 cm
Tip width: 2.5 mm

No. 91316-16

Curved
Serrated

16 cm
Tip width: 2.5 mm

No. 91317-16

Pean





Straight
Serrated
Narrow

14 cm
Tip width: 2 mm

No. 91322-14

Curved
Serrated
Narrow

14 cm
Tip width: 2 mm

No. 91323-14

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

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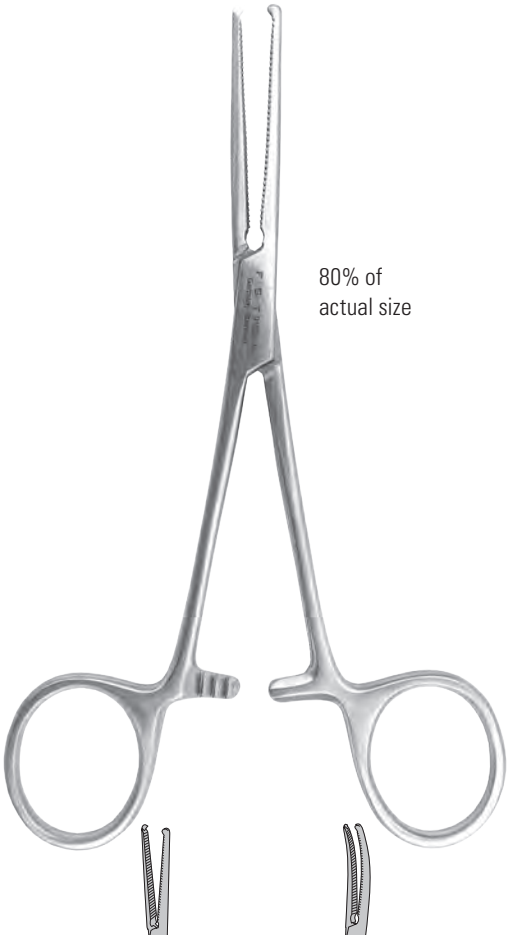
Ochsner-Kocher



80% of
actual size

%
DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

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	**No. 91329-14**
Straight Serrated 1x2 teeth	Curved Serrated 1x2 teeth
16 cm Tip width: 3 mm	16 cm Tip width: 3 mm
No. 91328-16	**No. 91329-16**

Kocher

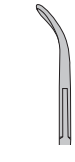




Straight Serrated Narrow 1x2 teeth	Curved Serrated Narrow 1x2 teeth
14 cm Tip width: 2.2 mm	14 cm Tip width: 2.2 mm
No. 91330-14	**No. 91331-14**

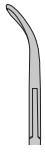
Backhaus Towel Clamp





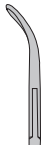
9 cm

No. 91195-09



11 cm

No. 91195-11

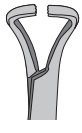


13 cm

No. 91195-13

Tohoku Towel Clamp

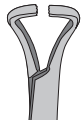




Serrated

10 cm
Tip width: 2.4 mm

No. 91194-10



Serrated

13 cm
Tip width: 2.8 mm

No. 91194-13

% DISCOUNT

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

Babcock



Serrated

16 cm
Tip width: 6 mm

No. 91393-16

DISCOUNT

Quantity discount for student instruments:

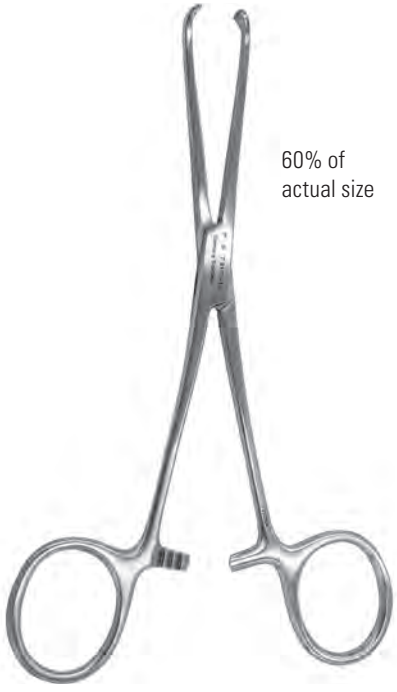
5–9 = 5 %
10+ = 10 %

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

Hose Clamp

NEW ITEM



60% of actual size

Cross-Serrated

15 cm
Tip Width: 4 mm

No. 91198-15

Lister Sine Clamp

NEW ITEM



60% of actual size

Serrated

16 cm
Tip Width: 3 mm

No. 91199-16

% 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

Pin Holder



0/0 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

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

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

STUDENT

Senn-Miller





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

No. 91790-16

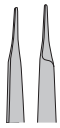


16 cm
3 blunt teeth 7 x 8 mm
1 blunt tooth 18 x 6 mm

No. 91791-16

Vessel Dilator





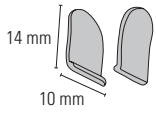
Angled 10°

11 cm
Tip diameter: 0.3 mm

No. 91815-11

Spring-Loaded Retractor





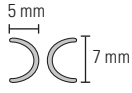
Curved atraumatic blades

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

No. 91706-05

Barraquer





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

No. 91700-03

Dieffenbach



Straight

35 mm
Strong pressure

No. 91850-35

% DISCOUNT

Quantity discount for student instruments:

5–9 = 5 %
10+ = 10 %

Per item, selection cannot be assorted for discount.

STUDENT

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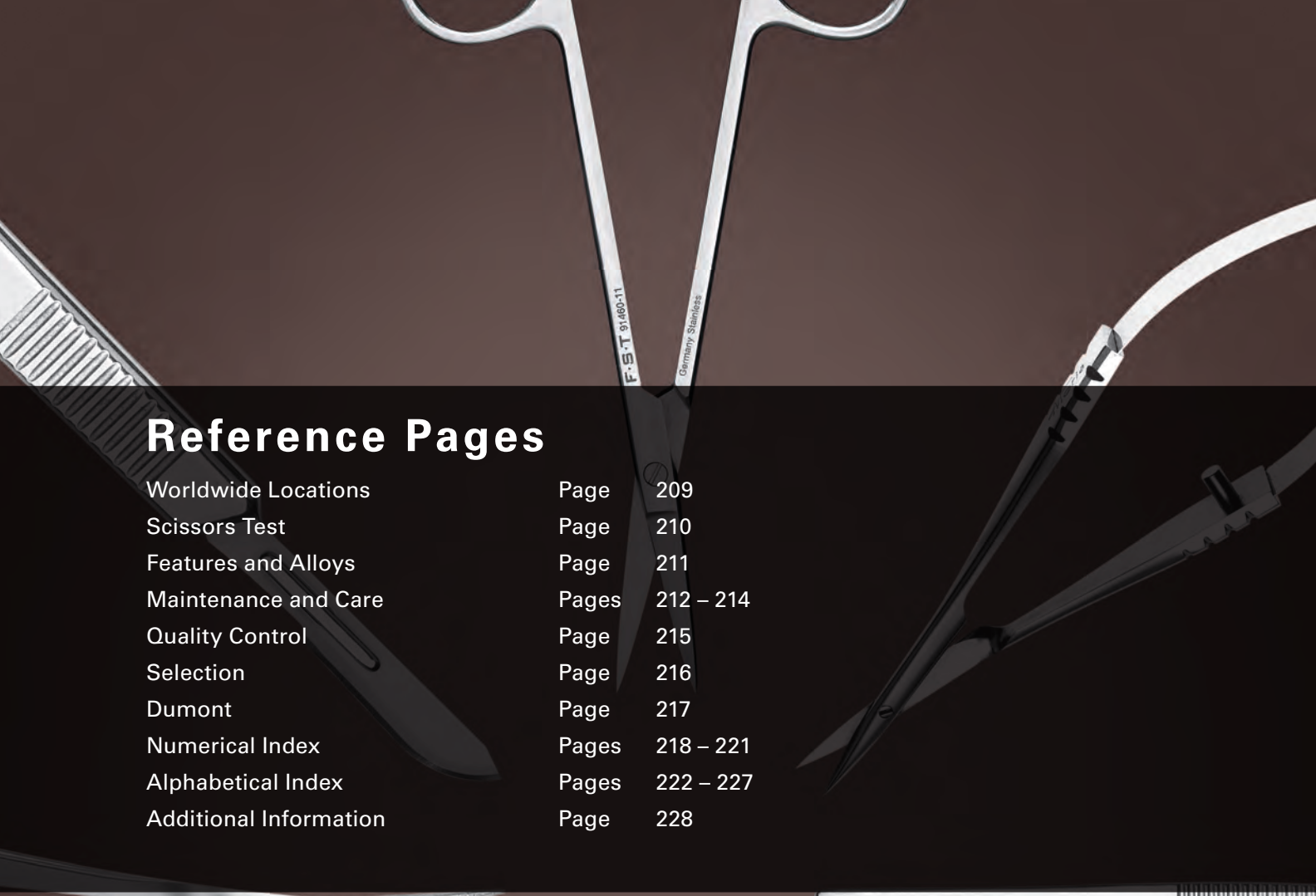

Reference Pages

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Quality Control	Page	215
Selection	Page	216
Dumont	Page	217
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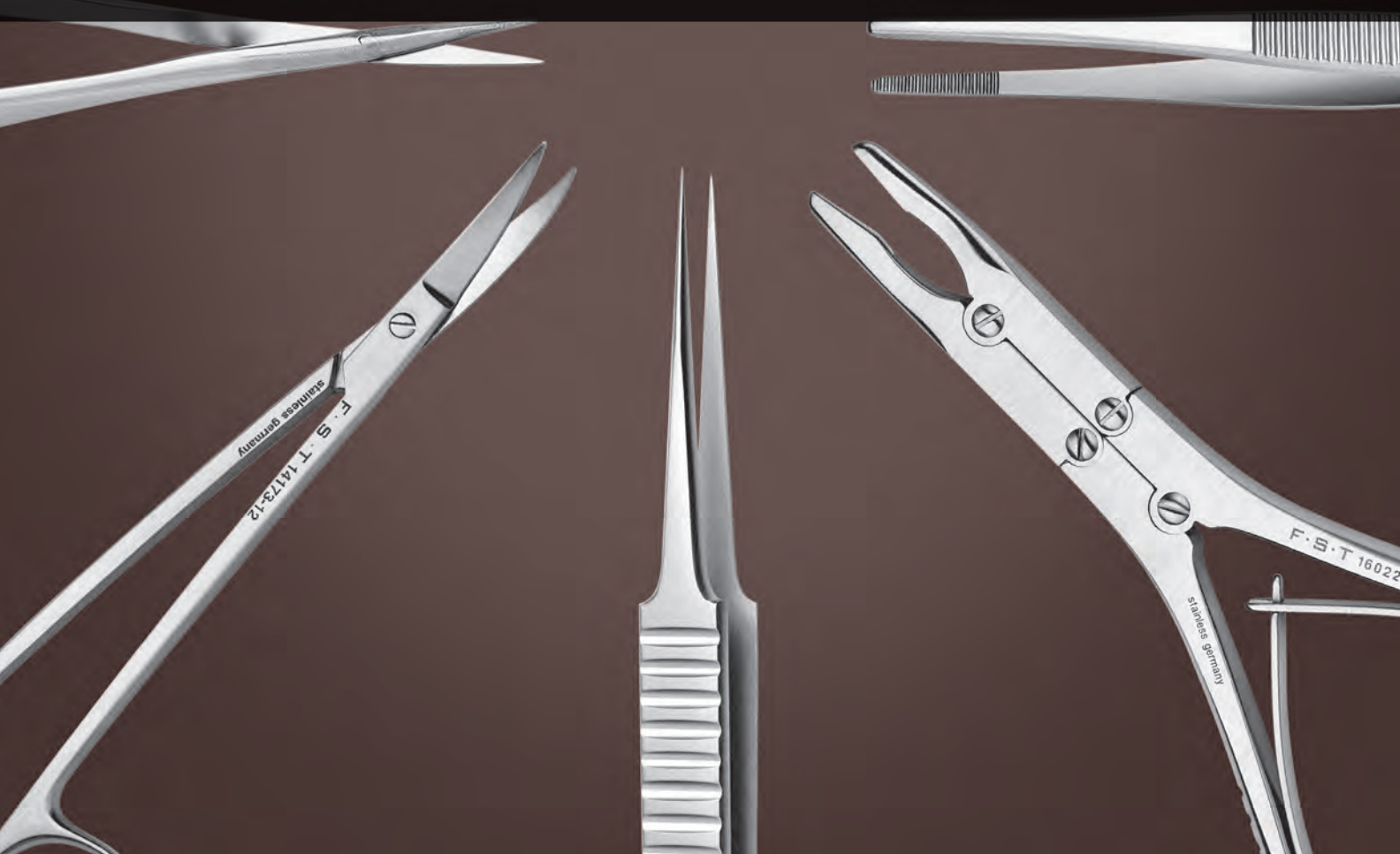
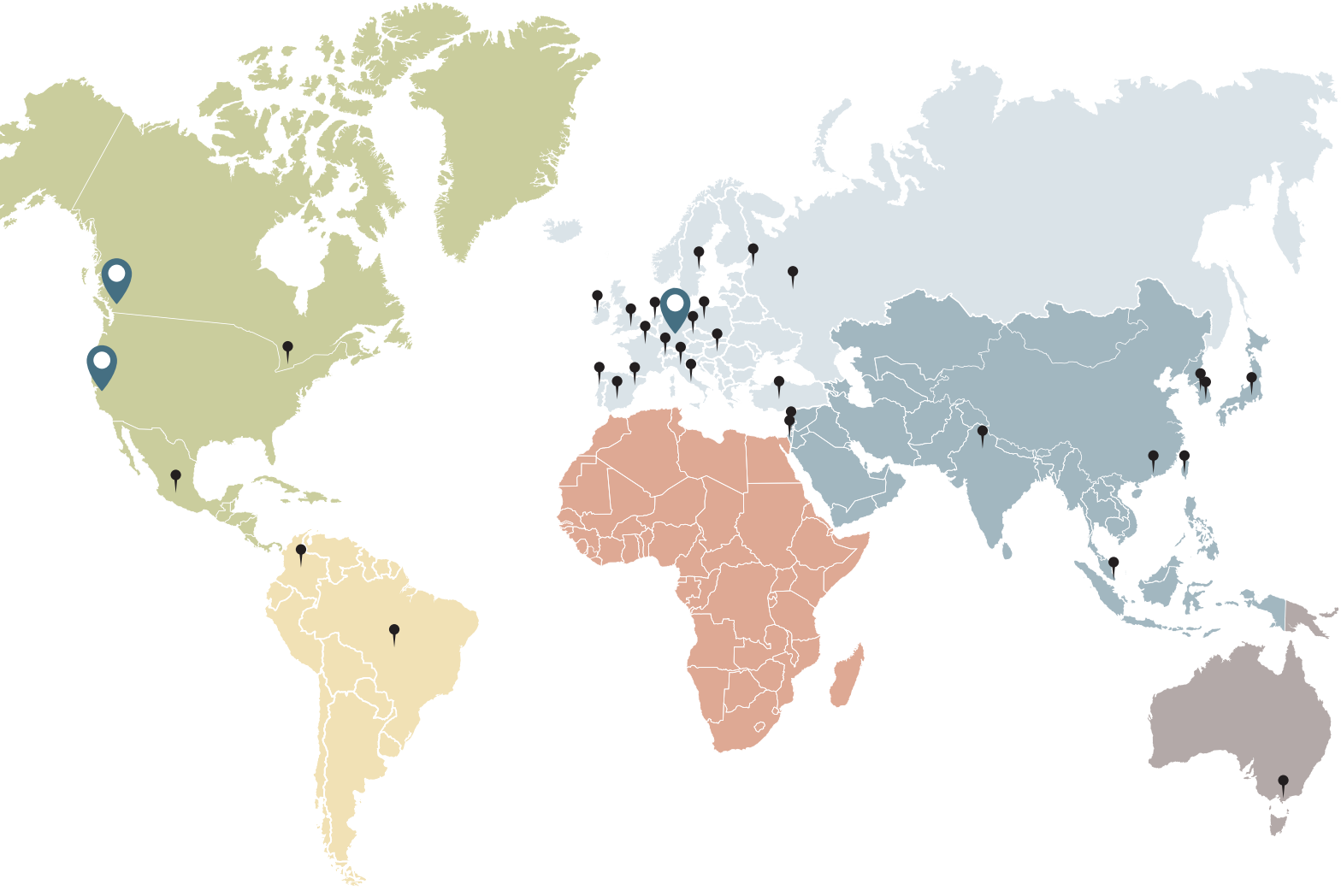
Additional Information	Page	228



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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WORLDWIDE

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



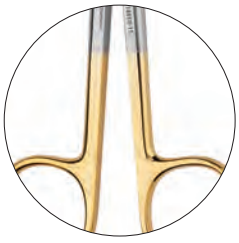
ToughCut® Scissors

- 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



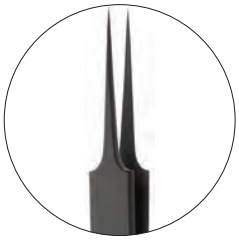
CeramaCut® Scissors

- 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.

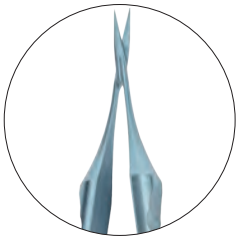


Ceramic Instruments

- 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:

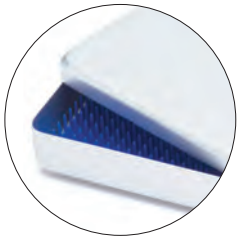
- Bench top set up.
- Only 20 seconds of contact required to ensure your instruments are free of pathogens and microbial contaminants.
- Beads reach temperature of 240˚ - 270˚C (464˚ - 518˚F) within 15-20 minutes heating time.

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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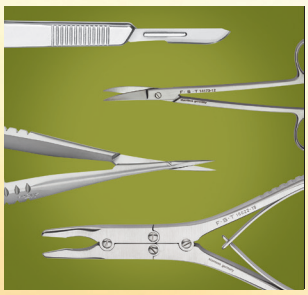

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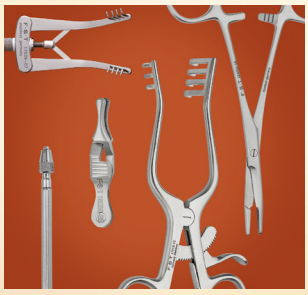

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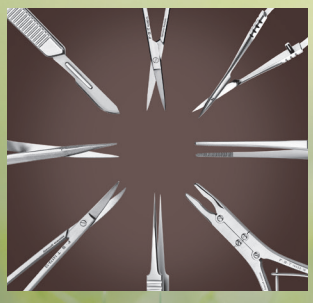

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