

F · S · T
FINE SCIENCE TOOLS

NEW ITEMS 2022



FINE SURGICAL INSTRUMENTS FOR RESEARCH™



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ORDER ONLINE

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EMAIL-CUSTOMER SERVICE

support@finescience.de

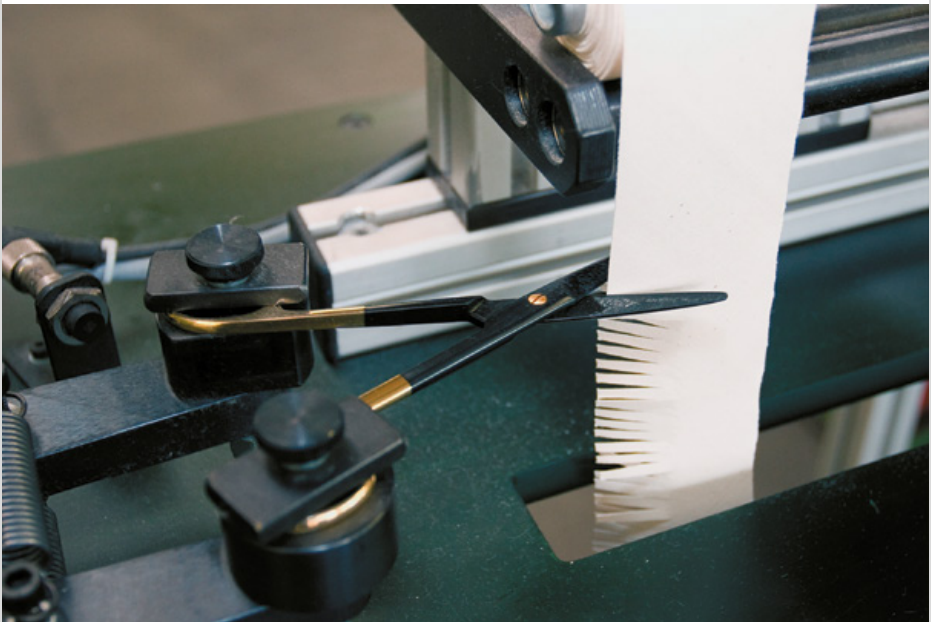
EMAIL-ORDERS

europe@finescience.de

DISCOVER WHAT'S NEW FROM FINE SCIENCE TOOLS

For the past 45 years, Fine Science Tools has been committed to listening and working closely with our customers to deliver not only the finest but most suitable instruments to the biomedical research community.

In 2022, we are proud to present more than 100 new items to our product portfolio. Through this, we can support a majority of our customers in all different stages of their studies. Our hope is that in the years to come, we can continue to be your trusted partner in providing high-quality instrumentation to help you succeed in your research career.



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.

VANCOUVER

SAN FRANCISCO

HEIDELBERG

FINE FORCEPS

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

FINE FORCEPS

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

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.



Replacement plastic tips
Pkg. of 2 tips and 3 screws

Straight, strong

4 cm
0.5 mm

No. 11988-01



Replacement plastic tips
Pkg. of 2 tips and 3 screws

Straight, very fine

4 cm
0.5 mm

No. 11988-02



Replacement plastic tips
Pkg. of 2 tips and 3 screws

Curved

4 cm
0.5 mm

No. 11988-03



Straight

13 cm
0.5 x 0.5 mm

Stainless Steel body with
replaceable plastic tips

No. 11980-13

Forceps Kits

Each kit includes four different forceps. Each individual forcep has a length of 11.5 cm and is electrostatic discharge (ESD) safe.

Available in plastic or carbon fiber.



Alloy / Material: PVDF

No. 11970-90



Alloy / Material: Carbon fiber

No. 11971-90

The four tip shapes are as follows:

- Straight, flat, round
- Straight, fine, sharp
- Curved, angled, pointed
- Angled, squared, flat

Forceps Holding Stand

Folding forceps holder allows secure placement of forceps.

Instruments not included.

Working Height - 13cm

Dimensions: 8 x 16cm

Color: Black

Alloy / Material: Stainless Steel with black Rilsan® coating

No. 24800-99



SCALPELS & CLAMPS

Scalpel Handle #4 with Silicone

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



13.5 cm

No. 10009-13

Lorna Towel Clamp



Serrated

10 cm

Tip width: 6 mm

No. 11096-10



Serrated

13 cm

Tip width: 7 mm

No. 11096-13

Microsurgical Needles with Suture Thread Attached

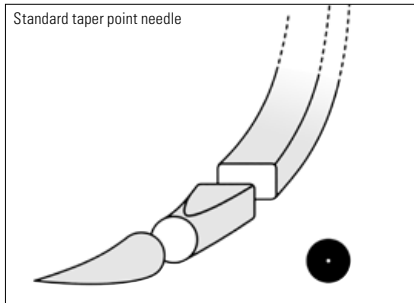
The combination of proprietary needle design technology and state-of-the-art manufacturing techniques has enabled FST to provide a microsurgical needle that is unmatched in the industry. FST microsurgical needles provide frictionless tissue penetration. They are inspected under the microscope at critical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



Suture size	Suture length (cm)	Needle diameter (micron)	Needle diameter (mm)	Needle chord length (mm)	Circle	Arch (mm)	Item
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

ANIMAL ACCESSORIES

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



Gauge	Length (mm)	Tip diameter (mm)	Shape	Mice	Rats	Guinea pigs	Item
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

Blue Ear Puncher

The stainless steel puncher has a sloped edge that provides a cut rather than a punch, which minimizes animal discomfort.

Not autoclavable.



14 cm
Stainless Steel
Punch Diameter: 2 mm

No. 24916-02

Micro Bead Sterilizer

Micro Bead Sterilizer is ideal for the sterilization of small research tools (forceps, scissors, etc.).

Instruments not included.



13 x 14.5 x 15.5 cm
115V

Includes Glass beads (150 g)
Temperature range: 100 to 300° C

Different models available:

18090-46
18090-50
18090-51

No. 18090-45

ACCESSORIES & INSTRUMENT CARE

Micro Cleaning Brush



70 mm
Nylon

Bag of 25

No. 18196-10

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.



35.56 x 22.86 cm
Black
Vinyl

No. 20831-10

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.



Body: Plastic
 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

STUDENT INSTRUMENTS



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.de for more information.

Features:

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



**Quantity discount
for student
instruments:**

5-9 = 5 %
10+ = 10 %

*Per item, selection
cannot be assorted
for discount.*

Fine Scissors

Sanvenero



80% of actual size



80% of actual size



Straight
Sharp/Sharp

12 cm
Cutting edge: 20 mm

No. 91460-12



Curved
Sharp/Sharp

12 cm
Cutting edge: 20 mm

No. 91461-12



Straight
Sharp/Sharp

14.5 cm
Cutting edge: 30 mm

No. 91408-14

STUDENT INSTRUMENTS

Wagner



80% of actual size



Straight
Sharp/Sharp

11.5 cm
Cutting edge: 25 mm

No. 91468-12

Lister Scissors

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



50% of actual size



Angled to side
Blunt/Blunt

18 cm
Cutting edge: 45 mm

No. 91413-18



Angled to side
Blunt/Blunt

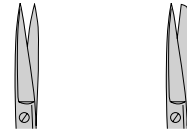
20 cm
Cutting edge: 50 mm

No. 91413-20

Surgical Scissors



80% of actual size



Length (cm)	Cutting edge (mm)	Straight Sharp/Sharp	Straight Sharp/Blunt
13	40	No. 91402-13	No. 91401-13



Length (cm)	Cutting edge (mm)	Curved Sharp/Sharp	Curved Sharp/Blunt
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

More items available on finescience.de



STUDENT INSTRUMENTS

Spencer Ligature



Straight
Sharp/Sharp

9 cm
Cutting edge: 20 mm

No. 91476-09

Heavy Scissors



90% of
actual size



Curved
Heavy Blades
Sharp/Sharp

10.5 cm
Cutting edge: 30 mm

No. 91405-10

Mayo



70% 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

STUDENT INSTRUMENTS

Metzenbaum Baby



60% of
actual size



Curved
Blunt/Blunt

14.5 cm
Cutting edge: 30 mm

No. 91419-14

Metzenbaum



60% of
actual size



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

Scalpel Handle #4

Feilchenfeld

Splinter Forceps



80% of actual size



90% of actual size



Straight



Straight



Straight
Sharp

#4

13 cm

No. 91004-13

9.5 cm

Tip Ø: 0.75 mm

No. 91139-09

11.5 cm

Tip Ø: 1 mm

No. 91139-12

10.5 cm

Tip Ø: 0.3 mm

No. 91156-11

STUDENT INSTRUMENTS

Micro Adson



80% of
actual size

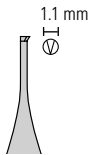


Serrated

12 cm

Tip width: 0.7 mm

No. 91118-12



1x2 teeth

12 cm

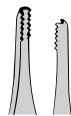
Tip width: 1.1 mm

No. 91119-12

Adson-Brown



80% of
actual size



Shark teeth

12 cm

Tip width: 2.5 mm

No. 91162-12

Adson with Cross Serrations



80% of
actual size



1x2 teeth

Cross-serrations

12 cm

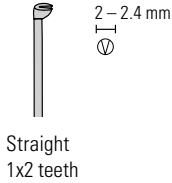
Tip width: 1.3 mm

No. 91427-12

Standard Pattern

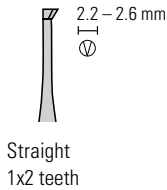
Broad pattern with strong spring action.

Surgical Narrow Pattern



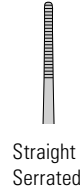
Tip width (mm)	Length (cm)	Item
2	11.5	No. 91123-12
2.2	14.5	No. 91123-14
2.4	16	No. 91123-16

Surgical Standard Pattern



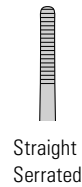
Tip width (mm)	Length (cm)	Item
2.4	13	No. 91121-13
2.6	14.5	No. 91121-14
2.8	15.5	No. 91121-15
3	16	No. 91121-16
3.5	18	No. 91121-18
4	20	No. 91121-20
4.5	25	No. 91121-25

Anatomical Narrow Pattern



Tip width (mm)	Length (cm)	Item
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

Anatomical Standard Pattern



Tip width (mm)	Length (cm)	Item
2.7	13	No. 91100-13
3	14.5	No. 91100-14
4	17	No. 91100-17



More items available on [finescience.de](https://www.finescience.de)



STUDENT INSTRUMENTS

Semken



60% of actual size



Straight

11.5 cm
Tip width: 1.2 mm

No. 91108-12

Straight

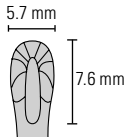
14.5 cm
Tip width: 2.2 mm

No. 91108-14

Russian



60% of actual size



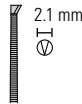
15 cm
Tip dimensions: 7.6 x 5.7 mm

No. 91126-15

Gillies



60% of actual size



1x2 teeth
Cross-Serrated

15.5 cm
Tip width: 2.1 mm

No. 91128-15

McIndoe



60% of actual size



Serrated

15 cm
Tip width: 1.2 mm

No. 91138-15

Hartmann

Halsted-Mosquito



70% of
actual size



80% of
actual size



Curved
Serrated

10 cm
Tip width: 1.6 mm

No. 91303-10

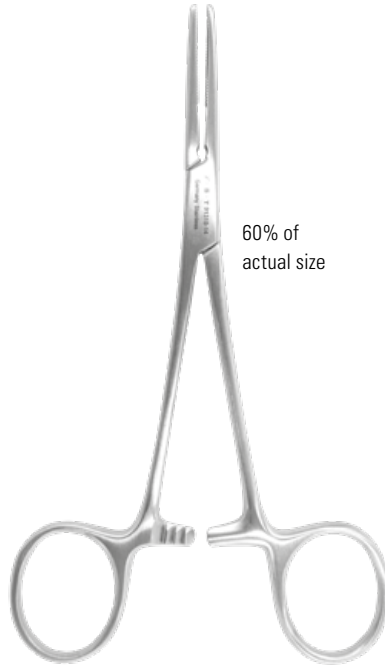


Curved
1x2 teeth and serrated

12 cm
Tip width: 1.9 mm

No. 91331-12

Kelly



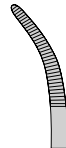
60% of
actual size



Straight
Serrated

14.5 cm
Tip width: 1.6 mm

No. 91318-14

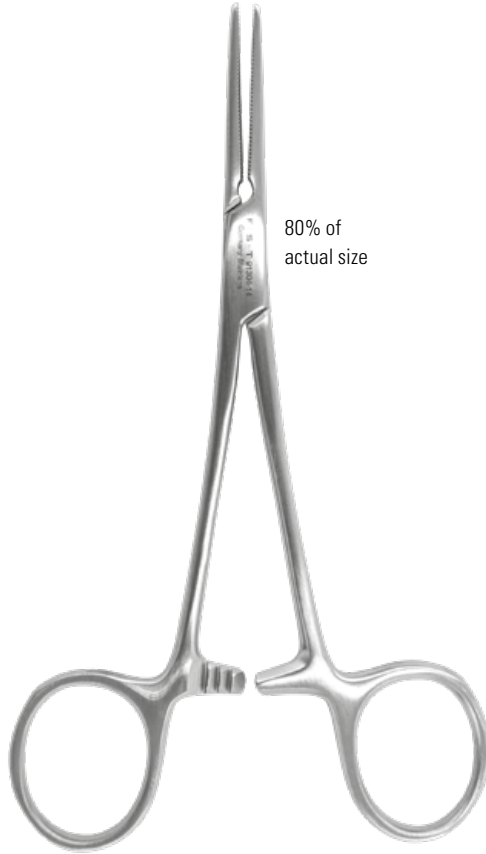


Curved
Serrated

14.5 cm
Tip width: 1.8 mm

No. 91319-14

Crile



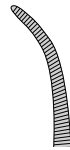
80% of
actual size



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

Rochester-Pean



80% of actual size



Straight
Serrated

14 cm
Tip width: 2 mm

No. 91316-14

Straight
Serrated

16 cm
Tip width: 2.5 mm

No. 91316-16



Curved
Serrated

14 cm
Tip width: 2 mm

No. 91317-14

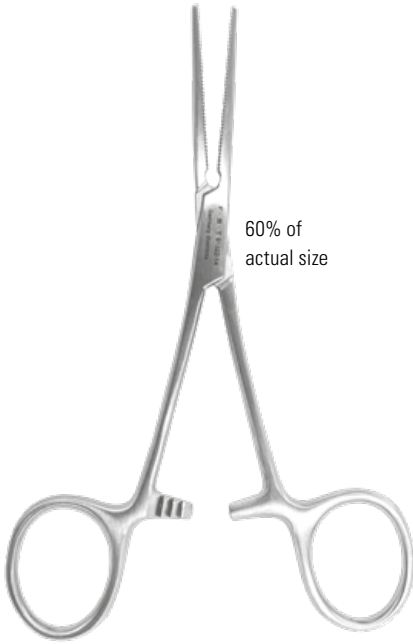
Curved
Serrated

16 cm
Tip width: 2.5 mm

No. 91317-16

Peen

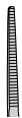
Kocher



60% of actual size



70% of actual size



Straight
Serrated
Narrow

14 cm
Tip width: 2 mm

No. 91322-14

Curved
Serrated
Narrow

14 cm
Tip width: 2 mm

No. 91323-14

Straight
Serrated
Narrow 1x2 teeth

14 cm
Tip width: 2.2 mm

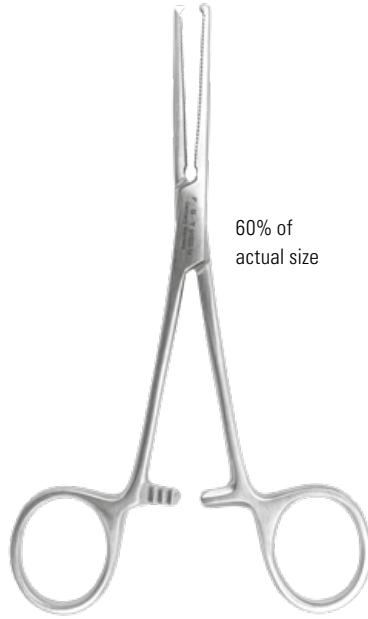
No. 91330-14

Curved
Serrated
Narrow 1x2 teeth

14 cm
Tip width: 2.2 mm

No. 91331-14

Ochsner-Kocher



60% of
actual size



Straight
Serrated
1x2 teeth

14 cm
Tip width: 2.2 mm
No. 91328-14

Straight
Serrated
1x2 teeth

16 cm
Tip width: 3 mm
No. 91328-16



Curved
Serrated
1x2 teeth

14 cm
Tip width: 2.2 mm
No. 91329-14

Curved
Serrated
1x2 teeth

16 cm
Tip width: 3 mm
No. 91329-16

Tohoku Towel Clamp



70% of
actual size

Backhaus Towel Clamp



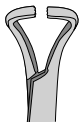
70% of
actual size



Serrated

10 cm
Tip width: 2.4 mm

No. 91194-10



Serrated

13 cm
Tip width: 2.8 mm

No. 91194-13



9 cm

No. 91195-09



11 cm

No. 91195-11

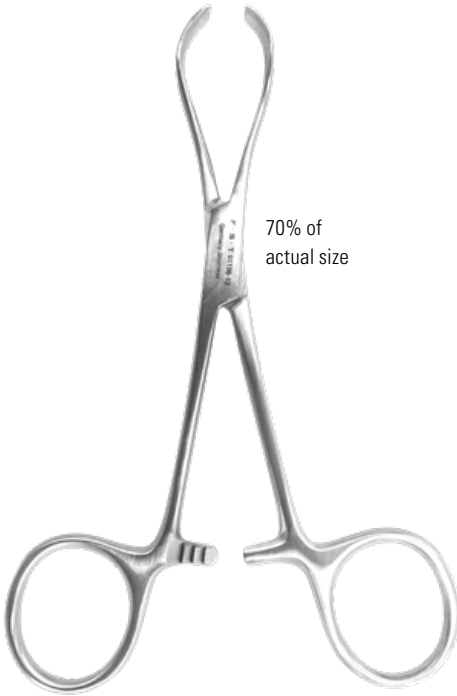


13 cm

No. 91195-13

STUDENT INSTRUMENTS

Lorna Towel Clamp



70% of
actual size



Serrated

13 cm

Tip width: 7 mm

No. 91196-13

Babcock



70% of
actual size



Serrated

16 cm

Tip width: 6 mm

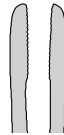
No. 91393-16

Student Hose Clamp

Lister Sine Clamp



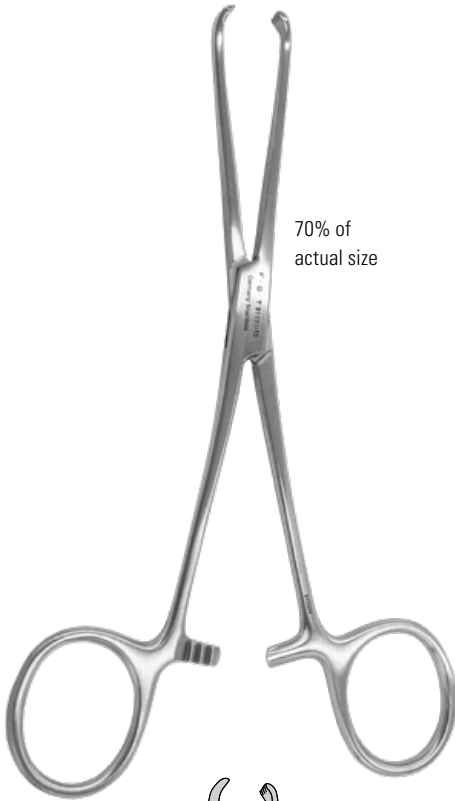
Serrated
15 cm
Tip width: 4 mm
No. 91198-15



Serrated
16 cm
Tip width: 3 mm
No. 91199-16

STUDENT INSTRUMENTS

Allis Clamp



70% of
actual size



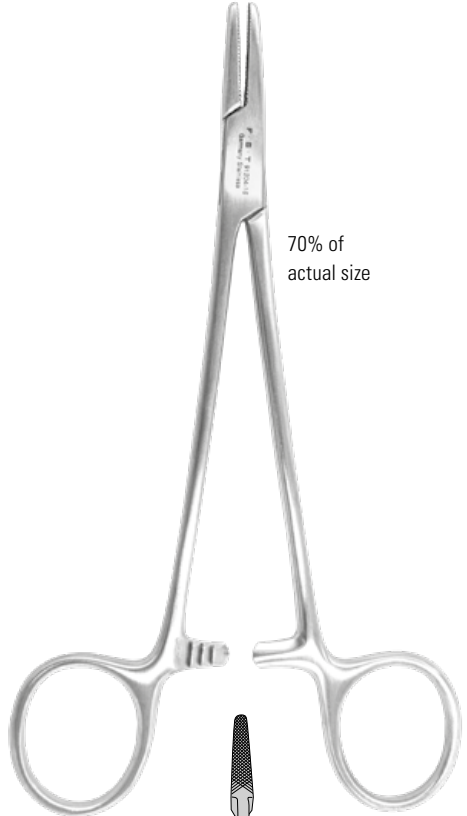
5x6 Teeth

15 cm

Tip width: 6 mm

No. 91191-15

Mayo-Hegar



70% of
actual size



Straight

16 cm

Tip width: 2.6 mm

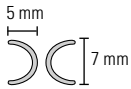
clamping length: 21 mm

with lock

without scissors

No. 91204-16

Barraquer



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

No. 91700-03

Dieffenbach

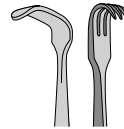


Straight
35 mm
Strong pressure
No. 91850-35

Senn-Miller

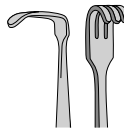


90% of actual size



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



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.

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