Castroviejo

Micro pattern, with slightly blunted tips.







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 154).



9 cm Tip width: 0.6 mm Lock: Yes



Tip width: 0.6 mm Lock: No

No. 12060-02



Curved

9 cm Tip width: 0.6 mm Lock: Yes

No. 12061-01

Tip width: 0.6 mm Lock: No

No. 12061-02

Round-Handled Micro/Macro Needle Holder

These Round-Handled Needle Holders have a dual-purpose and can be used for microscopic and macroscopic applications. The fine tapered tips can be used to handle small needles up to 0.2 mm in diameter. While the remaining portion of the tip ensures a secure hold for larger needles. The balanced design improves control and stability, while the ergonomic handle enhances grip and reduces hand strain.









13.5 cm

Lock: Yes

No. 12875-13



Round Handled Needle Holder

Round handles allow easy fingertip adjustments.

Round Handled Needle Holder with Suture Cutter

Round handles allow easy fingertip adjustments.

Kalt

The Kalt needle holder is characterized by its extraordinary design and good handling. The closure system closes softly and securely and can be easily opened again with your thumb.







Lock: No

No. 12075-14



Serrated: Yes 13.5 cm Lock: Yes

No. 12080-14



Curved

Serrated: Yes 13.5 cm Lock: Yes

No. 12081-14

Lock: No No. 12076-12

Straight

12.5 cm

Lock: Yes

No. 12075-12

Curved

12.5 cm

Lock: No

No. 12074-12





Castroviejo with Tungsten **Carbide Jaws**







14 cm Tungsten Carbide jaws Lock: Yes

No. 12565-14

Mathieu

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



12510-14





14 cm Extra narrow profile Lock: Yes

No. 12010-14



14 cm Tungsten Carbide jaws Lock: Yes

No. 12510-14





Halsey

TUNGSTEN CARBIDE



Halsey with Tungsten Carbide Jaws









13 cm Smooth Lock: Yes

No. 12001-13



13 cm Tungsten Carbide jaws Lock: Yes

No. 12501-13



13 cm Tungsten Carbide jaws Lock: Yes

No. 12500-12



Olsen-Hegar with Suture Cutter





Cutting edge: 10 mm Lock: Yes

No. 12002-12

No. 12102-12



14 cm

Cutting edge: 15 mm Lock: Yes

No. 12002-14

Olsen-Hegar with Suture Cutter and Tungsten Carbide Jaws





12502-12 12512-12



12 cm Tungsten Carbide jaws Cutting edge: 10 mm Lock: Yes

No. 12502-12

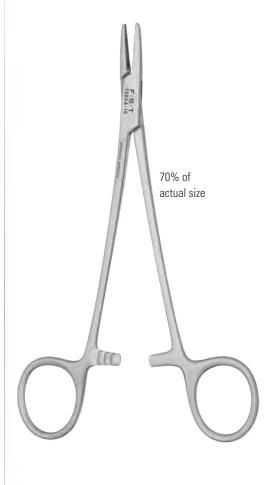
No. 12512-12



14 cm Tungsten Carbide jaws Cutting edge: 15 mm Lock: Yes

No. 12502-14

Mayo-Hegar





16 cm



18 cm

Lock: Yes

Lock: Yes No. 12004-16

No. 12004-18





Crile-Wood

Slim Elongated Needle Holder with Tungsten Carbide Jaws





12503-15 12504-15

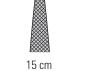


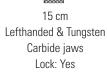


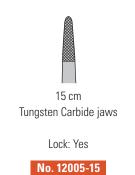




15 cm







Lock: Yes **No. 12003-15**



Tungsten Carbide jaws







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 nonabsorbable 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.



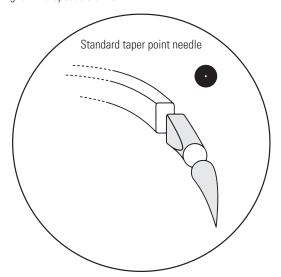
400% of actual size

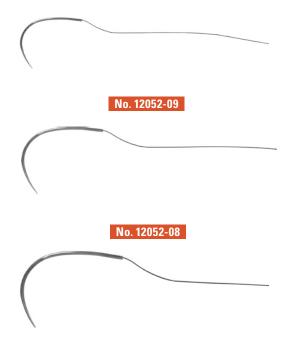


No. 12052-10

Sterile

Pkg. of 12 disposable units





Suture size	Suture length	Needle Ø	Needle Ø	Needle chord length (mm)	Circle	Item
8/0	15	140	0.14	29	3/8	No. 12052-08
9/0	15	100	0.1	24	3/8	No. 12052-09
10/0	10	70	0.07	18	3/8	No. 12052-10
11/0	10	50	0.05	16	3/8	No. 12052-11

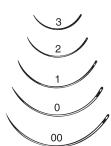
Suture Needles

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

Ø: 0.35 mm

Sterile: No

Pkg. of 12 needles



MOST POPULAR

Size	Needle Chord Length	Item
3	12 mm	No. 12050-03
2	16 mm	No. 12050-02
1	20 mm	No. 12050-01
0	23 mm	No. 12050-10
00	26 mm	No. 12050-20

Silk Suture

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

Braided Silk Sterile: No

Can be ETO sterilized



MOST Popular



Size	Suture Ø	Spool length	Item
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 100 - 102.

Nylon Monofilament Suture

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

ONLY

Nylon monofilament

Sterile: No

Can be ETO sterilized



Size	Suture Ø (mm)	Spool length	Item
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	0.1	91	No. 18030-50
4/0	0.15	91	No. 18030-40
3/0	0.2	91	No. 18030-30



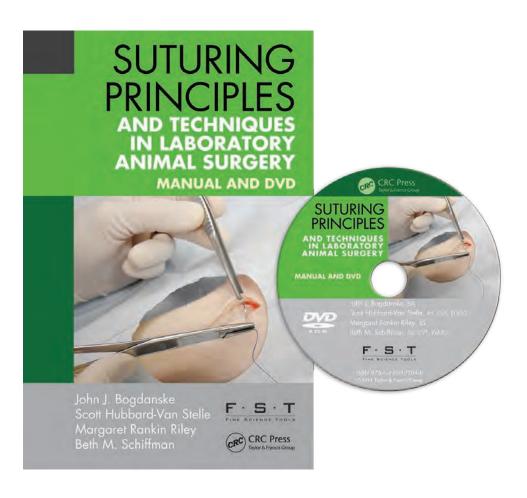
RESEARCH

Suturing Principles and Techniques in Laboratory Animal Surgery

This manual introduces the reader into the basic principles, materials and surgical instruments required for suturing and wound closure used on laboratory animals. It 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

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

For your convenience all instruments which are used for the demonstrations are listed with their FST item numbers.



No. 23005-10



F · S · T

Michel Suture Clips

- Anti-magnetic
- Acid-resistant stainless steel
- Pkg. of 1,000 clips

Size (mm)	Item
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

No. 12029-12

Angled

13 cm

For clip size 12040-01

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

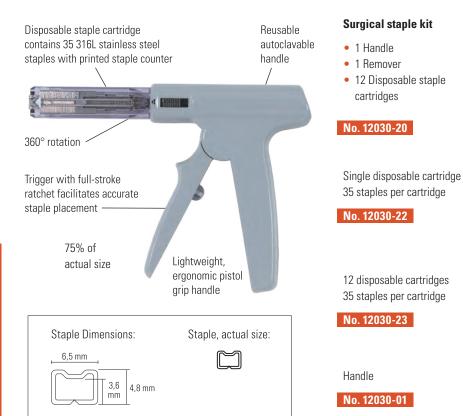
Curved

No. 12028-12

Reloadable Skin Stapler with Rotating Head

The 360° 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 Remover

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



10 cm

No. 12030-04

Manipler® Skin Stapler

Quality, slim, lightweight design with consistent actuation and staple count indicator.

Disposable, sterile and not autoclavable.





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.











Remover

• 1 Applier

• 9 mm clips (100)

AutoClip® Kit

• 1 Remover

• Storage case

AutoClip® applier

Applier

11.5 cm

AutoClip® clips

9 mm Pkg. of 100 clips AutoClip® clips

9 mm Pkg. of 1,000 clips

No. 12022-19

AutoClip® remover

12.5 cm

No. 12020-00

No. 12020-09

No. 12022-09

No. 12023-00

