

Fairgrip™ultra



New Stars in the OR!





PANDOR™
Instruments





Like gold to your eyes, difference in your hands!

PANDOR™ is a new black&gold range of "surface engineered" surgical instruments combining exclusive design and optimized function. The extremely hard (up to 4500HV) and low reflection belugablack ceramic coating ensures outstanding wear resistance of the instruments and at the same time provides high resistance against corrosion. Due to the inherent lubricity of this non-stick surface coating, friction between moving parts is reduced and galling is prevented. The black ceramic coating is firmly bonded onto the surface and therefore does not blister, flake or chip off. The instrument life is prolonged extensively which can provide for considerable cost savings in your hospital. The belugablack color provides a sharp contrast against blood and tissue, reduces reflections at the working site and also significantly enhances the depth perception during operation. The grip of needle holders is improved and the problem of needle rotation is thus largely eliminated under normal conditions, even if grabbed at the very distal tip.

Certain PANDOR™-style micro instruments additionally feature the unique Fairgrip™ultra handle design. This handle with a new dimple knurling similar to the design of golfballs is ergonomic, well-balanced, easy to clean and has excellent grip and superb tactile properties. These instruments offer a completely new experience of precision, sensitivity and control during microsurgical operations and help to reduce fatigue.

This brochure shows only the PANDOR™Fairgrip™ultra instruments. Further PANDOR™ instruments of micro instruments, scissors, needle holders, clamps, retractors, hooks etc. out of the wide GEISTER™ product range are optionally available. Please contact customer service.

Feel and try the difference!

Please note, that for technical reasons for some type of instruments certain hidden surfaces can not be coated.



PANDOR™ Fairgrip™ultra





The Fairgrip™ultra ergonomic instrument handles with a new dimple knurling similar to the design of golfballs offer a completely new experience of precision, sensitivity and control during microsurgical operations and help to reduce fatigue.



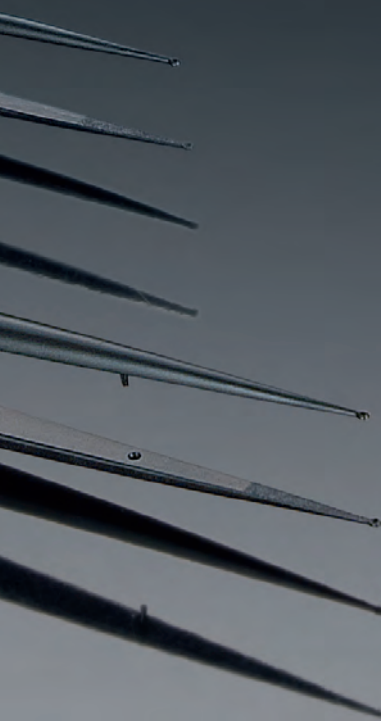
Art. No. straight		PANDOR™ Fairgrip™ultra Coronary Scissors
03-0610.DF		17 cm, 25°, standard 10 mm blade
03-0612.DF		17 cm, 45°, standard 10 mm blade
03-0614.DF		17 cm, 60°, standard 10 mm blade
03-0616.DF		17 cm, 90°, standard 10 mm blade
03-0618.DF		17 cm, 125°, standard 10 mm blade
Art. No. straight	Art. No. curved	PANDOR™ Fairgrip™ultra Needle Holders
03-0650.04DF	03-0651.04DF	0.4 mm, 18 cm, with ratchet, Sapphire™ jaws
03-0650.08DF	03-0651.08DF	0.8 mm, 18 cm, with ratchet, Sapphire™ jaws
03-0650.DF	03-0651.DF	1.2 mm, 18 cm, with ratchet, Sapphire™ jaws
03-0655.04DF	03-0656.04DF	0.4 mm, 21 cm, with ratchet, Sapphire™ jaws
03-0655.08DF	03-0656.08DF	0.8 mm, 21 cm, with ratchet, Sapphire™ jaws
03-0655.DF	03-0656.DF	1.2 mm, 21 cm, with ratchet, Sapphire™ jaws
03-0660.04DF	03-0661.04DF	0.4 mm, 23 cm, with ratchet, Sapphire™ jaws
03-0660.08DF	03-0661.08DF	0.8 mm, 23 cm, with ratchet, Sapphire™ jaws
03-0660.DF	03-0661.DF	1.2 mm, 23 cm, with ratchet, Sapphire™ jaws



PANDOR™ Fairgrip™ultra



The Fairgrip™ultra ergonomic instrument handles with a new dimple knurling similar to the design of golfballs offer a completely new experience of precision, sensitivity and control during microsurgical operations and help to reduce fatigue.



Art. No.	PANDOR™ Fairgrip™ultra Micro Tying Forceps with platform
10-6030.DF	18 cm, straight 0.8 mm Sapphire™ jaws
10-6031.DF	18 cm, curved 0.8 mm Sapphire™ jaws
10-6032.DF	18 cm, straight 0.4 mm Sapphire™ jaws
10-6033.DF	18 cm, curved 0.4 mm Sapphire™ jaws
10-6034.DF	21 cm, straight 0.8 mm Sapphire™ jaws
10-6035.DF	21 cm, curved 0.8 mm Sapphire™ jaws
10-6036.DF	21 cm, straight 0.4 mm Sapphire™ jaws
10-6037.DF	21 cm, curved 0.4 mm Sapphire™ jaws
10-6045.DF	23 cm, straight 0.8 mm Sapphire™ jaws
Art. No.	PANDOR™ Fairgrip™ultra Micro Tying Forceps
10-6056.DF	18 cm, straight 0.4 mm, 1 x 2 teeth, Sapphire™jaws
10-6052.DF	18 cm, straight 0.8 mm, 1 x 2 teeth, Sapphire™jaws
10-6058.DF	21 cm, straight 0.4 mm, 1 x 2 teeth, Sapphire™jaws
10-6054.DF	21 cm, straight 0.8 mm, 1 x 2 teeth, Sapphire™jaws
Art. No.	PANDOR™ Fairgrip™ultra Micro Ring Forceps
10-6010.DF	18 cm, straight, 0.5 x 1.0 mm, Sapphire™jaws
10-6011.DF	18 cm, curved, 0.5 x 1.0 mm, Sapphire™jaws
10-6012.DF	21 cm, straight, 0.5 x 1.0 mm, Sapphire™jaws
10-6013.DF	21 cm, curved, 0.5 x 1.0 mm, Sapphire™jaws
10-6014.DF	23 cm, straight, 0.5 x 1.0 mm, Sapphire™jaws
10-6015.DF	23 cm, curved, 0.5 x 1.0 mm, Sapphire™jaws
Art. No.	PANDOR™ Fairgrip™ultra Micro Forceps DeBakey
10-6060.DF	18 cm, jaw 1.0 mm
10-6065.DF	21 cm, jaw 1.0 mm
10-6076.DF	23 cm, jaw 1.0 mm



Micro Instruments

Our micro needle holders are set for grasping needles without rotation. Please be sure to return instruments for periodic routine maintenance to keep them in very best condition. You can determine if a needle holder requires restoration of its Sapphire™ Enhanced

Needle Grip Surface by placing a needle at the very tip and then slightly pushing or pulling it or by holding the closed tip up against the light. If the needle easily moves, or if you see light gaps between the tips, the needle holder should be sent for service.



Type	Insert	Tip size	0/0	1/0	2/0	3/0	4/0	5/0	6/0	7/0	8/0	9/0	10/0	11/0
Micro Needle Holders	Sapphire™	0.2 mm											X	X
	Sapphire™	0.4 mm									X	X	X	X
	Sapphire™	0.8 mm							X	X	X	X		
	Sapphire™	1.2 mm						X	X	X				
	TC (M) Micro Pitch 0.20-0.30	1.2 mm						X	X	X				
Heavy Micro Needle Holders	Sapphire™	2.0 mm			X	X	X	X	X					





Like diamonds in your hands!

Precision crafted by skilled artisans with the support of the most advanced computer controlled manufacturing technologies, the GEISTER® microsurgical instrument range offers you maximum strength and durability, precise control, sensitive tactile feel, lightweight, superior balance and the quality with meticulous attention to the even smallest details that you expect from a GEISTER® instrument.

All GEISTER® Micro Needle Holders and Forceps - both in stainless steel and titanium - feature our exclusive Sapphire™ enhanced needle grip surface for a firm grasp of needles without rotation and maximum control during suturing or grasping tissue.

Available are patterns with 0.3 or 0.4 mm tip dimensions designed for holding needles size 8-0 and smaller, as well as patterns with 0.8 mm tip for needles size 6-0 and smaller and 1.2 mm for needles size 5-0 and smaller. Featured streamline models with a twisted boxlock effectively prevent snagging of sutures in the boxlock area. Special soft touch models with a new softer ratchet provide for even more precise anastomosis, faster action and response and even better control and feeling.

Titanium instruments are approx. 50% lighter than stainless steel instruments, providing for reduced fatigue during extended operations. They provide excellent balance and feel, at least traumatic and antimagnetic. They are easy to maintain and to sterilize, just in the same manner as stainless steel instruments. For easier identification all GEISTER® titanium instruments are anodized in blue color.

Superior in workmanship, quality, and reliability, our fine spring style micro scissors deliver precise, sharp and smooth cuts even on smallest vascular and tissue structures. They are handcrafted from the finest surgical grade stainless steel available and completed with an individual hand grind on each cutting edge. You have a choice of round handles, here in particular our Fairgrip™ ultra handle, offering a better tactile feeling, or of flat serrated handles, providing a more controlled grip. Featured nano jaw models come with shorter and even finer blades for unsurpassed precision even on the most delicate vascular.

GEISTER® micro tissue forceps available with ring-, tying or atraumatic DeBakey tips are manufactured with round handles to guarantee a secure and firm hold of the instrument in your hand. Guide pins and special textured tips provide for precise and atraumatic tissue handling without slippage or twisting of jaws.





Fairgrip™ ultra Micro - Potts

Coronary Scissors



Fig.	Length mm/"	∠	blade length mm	Art.-No.	Fig.	Length mm/"	∠	blade length mm	Art.-No.	Type
A	170/6½	-	10	03-0606	-	-	-	-	-	-
B	170/6½	-	10	03-0608	-	-	-	-	-	-
C	170/6½	25°	10	03-0610	C	210/8¼	25°	10	03-0620	Streamline*
D	170/6½	45°	10	03-0612	D	210/8¼	45°	10	03-0621	Streamline*
E	170/6½	60°	10	03-0614	E	210/8¼	60°	10	03-0622	Streamline*
F	170/6½	90°	10	03-0616	F	210/8¼	90°	10	03-0623	Streamline*
G	170/6½	125°	10	03-0618	G	210/8¼	125°	10	03-0624	Streamline*

Standard blade length 10 mm. For shorter 7 mm blade add "KS" behind Art.-No. for ordering. For longer 14 mm blade add "LS" behind Art.-No. for ordering.

* Scissors with length 210 mm only available in Streamline.



Fairgrip™ ultra Titanium Micro – Potts

Coronary Scissors

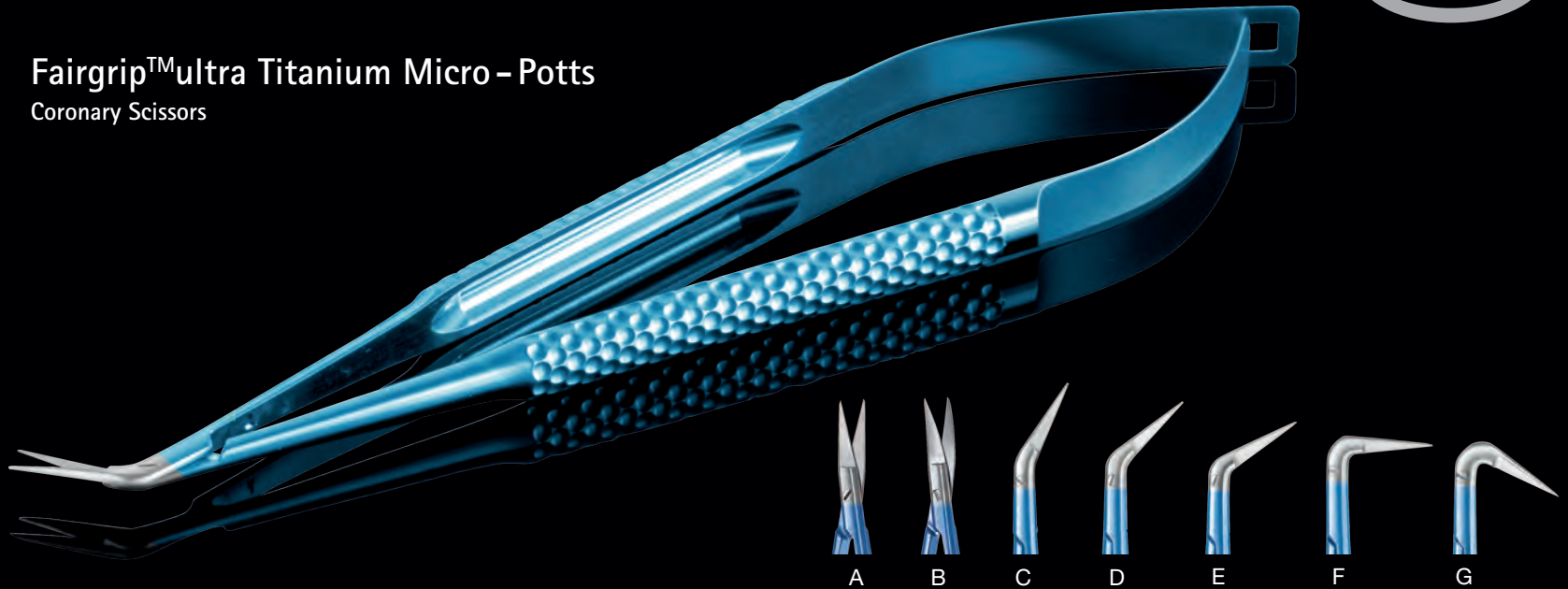


Fig.	Length mm/"	∠	blade length mm	Art.-No.	Fig.	Length mm/"	∠	blade length mm	Art.-No.	Type
A	170/6½	-	10	03-0606.TI	-	-	-	-	-	-
B	170/6½	-	10	03-0608.TI	-	-	-	-	-	-
C	170/6½	25°	10	03-0610.TI	C	210/8¼	25°	10	03-0620.TI	Streamline*
D	170/6½	45°	10	03-0612.TI	D	210/8¼	45°	10	03-0621.TI	Streamline*
E	170/6½	60°	10	03-0614.TI	E	210/8¼	60°	10	03-0622.TI	Streamline*
F	170/6½	90°	10	03-0616.TI	F	210/8¼	90°	10	03-0623.TI	Streamline*
G	170/6½	125°	10	03-0618.TI	G	210/8¼	125°	10	03-0624.TI	Streamline*

Standard blade length 10 mm. For shorter 7 mm blade add "KS" behind Art.-No. for ordering. For longer 14 mm blade add "LS" behind Art.-No. for ordering.

* Scissors with length 210 mm only available in Streamline.



Fairgrip™ ultra
with ratchet



for sutures 8-0
and smaller



A



B

for sutures 6-0
and smaller



C



D

for sutures 5-0
and smaller



E

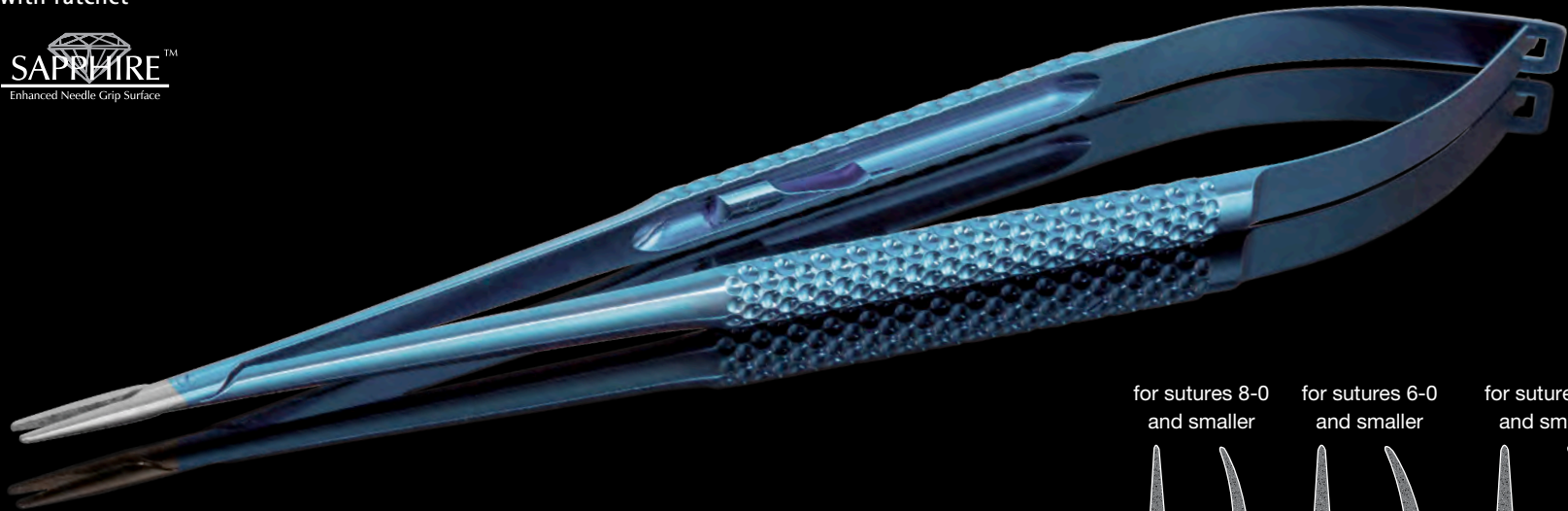


F

Fig.	Length mm / "	jaw	Art.-No.	Fig.	Length mm / "	jaw	Art.-No.	Fig.	Length mm / "	jaw	Art.-No.
A	180/7	0.4 x 12	03-0650.04	A	210/8¼	0.4 x 12	03-0655.04	A	230/9	0.4 x 12	03-0660.04
B	180/7	0.4 x 12	03-0651.04	B	210/8¼	0.4 x 12	03-0656.04	B	230/9	0.4 x 12	03-0661.04
C	180/7	0.8 x 12	03-0650.08	C	210/8¼	0.8 x 12	03-0655.08	C	230/9	0.8 x 12	03-0660.08
D	180/7	0.8 x 12	03-0651.08	D	210/8¼	0.8 x 12	03-0656.08	D	230/9	0.8 x 12	03-0661.08
E	180/7	1.2 x 12	03-0650	E	210/8¼	1.2 x 12	03-0655	E	230/9	1.2 x 12	03-0660
F	180/7	1.2 x 12	03-0651	F	210/8¼	1.2 x 12	03-0656	F	230/9	1.2 x 12	03-0661
								C	260/10¼	0.8 x 12	03-0665.08
								E	260/10¼	1.2 x 12	03-0665



Fairgrip™ ultra Titanium Streamline with ratchet



for sutures 8-0
and smaller



A



B

for sutures 6-0
and smaller



C



D

for sutures 5-0
and smaller



E



F

Fig.	Length mm/"	jaw	Art.-No.	Fig.	Length mm/"	jaw	Art.-No.	Fig.	Length mm/"	jaw	Art.-No.
A	180/7	0.4 x 12	03-0650.04TI	A	210/8¼	0.4 x 12	03-0655.04TI	A	230/9	0.4 x 12	03-0660.04TI
B	180/7	0.4 x 12	03-0651.04TI	B	210/8¼	0.4 x 12	03-0656.04TI	B	230/9	0.4 x 12	03-0661.04TI
C	180/7	0.8 x 12	03-0650.08TI	C	210/8¼	0.8 x 12	03-0655.08TI	C	230/9	0.8 x 12	03-0660.08TI
D	180/7	0.8 x 12	03-0651.08TI	D	210/8¼	0.8 x 12	03-0656.08TI	D	230/9	0.8 x 12	03-0661.08TI
E	180/7	1.2 x 12	03-0650.TI	E	210/8¼	1.2 x 12	03-0655.TI	E	230/9	1.2 x 12	03-0660.TI
F	180/7	1.2 x 12	03-0651.TI	F	210/8¼	1.2 x 12	03-0656.TI	F	230/9	1.2 x 12	03-0661.TI



Fairgrip™ ultra Heavy Streamline with ratchet



for sutures 2-0
and smaller

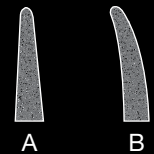


Fig.	Length mm/“	Handle	jaw	Art.-No.	Fig.	Length mm/“	Handle	jaw	Art.-No.	Fig.	Length mm/“	Handle	jaw	Art.-No.
A	190/7½	R10	2.0 x 18	03-0680	A	230/9	R10	2.0 x 18	03-0682	A	260/10¼	R10	2.0 x 18	03-0684
B	190/7½	R10	2.0 x 18	03-0681	B	230/9	R10	2.0 x 18	03-0683	B	260/10¼	R10	2.0 x 18	03-0685



Fairgrip™ ultra TC

with ratchet



TC-inserts 0,2 mm (M)
for sutures 5-0 and
smaller

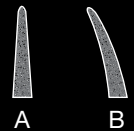


Fig.	Length mm/“	jaw	Art.-No.	Fig.	Length mm/“	jaw	Art.-No.	Fig.	Length mm/“	jaw	Art.-No.
A	180/7	1.2 x 12	24-1140	A	210/8¼	1.2 x 12	24-1150	A	230/9	1.2 x 12	24-1160
B	180/7	1.2 x 12	24-1141	B	210/8¼	1.2 x 12	24-1151	B	230/9	1.2 x 12	24-1161



Fairgrip™ ultra Tying Forceps
with platform

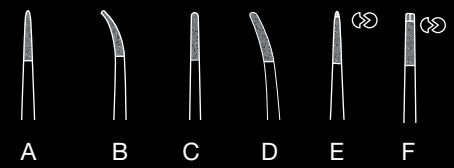


Fig.	Length mm / "	Jaw mm	teeth	Art.-No. ①
E	180/7	0.4	1 x 2	10-6056
F	180/7	0.8	1 x 2	10-6052
E	210/8¼	0.4	1 x 2	10-6058
F	210/8¼	0.8	1 x 2	10-6054

Fig.	Length mm / "	Jaw mm	Art.-No. ①	Art.-No. ②
A	180/7	0.4 x 7	10-6032	10-6332
B	180/7	0.4 x 7	10-6033	10-6333
C	180/7	0.8 x 7	10-6030	10-6330
D	180/7	0.8 x 7	10-6031	10-6331
A	210/8¼	0.4 x 7	10-6036	10-6336
B	210/8¼	0.4 x 7	10-6037	10-6337
C	210/8¼	0.8 x 7	10-6034	10-6334
D	210/8¼	0.8 x 7	10-6035	10-6335
A	230/9	0.4 x 7	10-6047	-
C	230/9	0.8 x 7	10-6045	-
C	260/10¼	0.8 x 7	10-6048	-



Fairgrip™ ultra Titanium Tying Forceps with platform

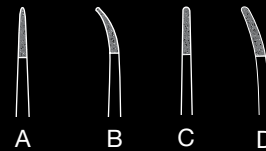
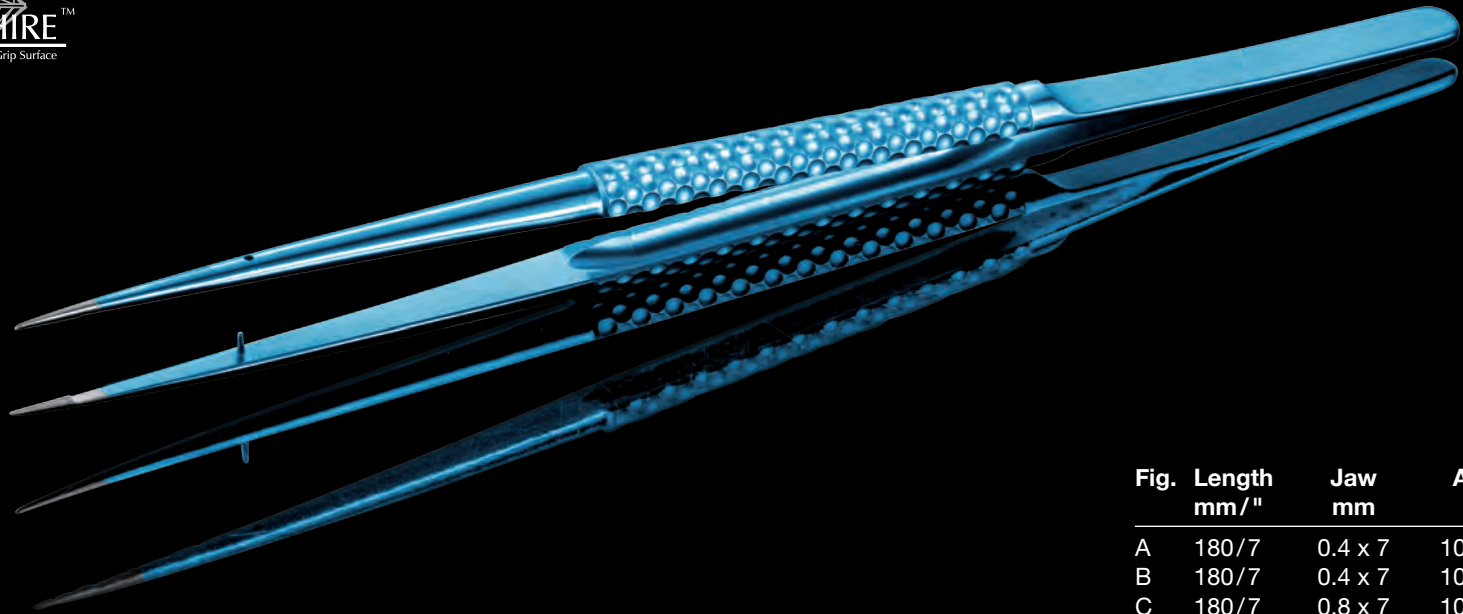


Fig.	Length mm/"	Jaw mm	Art.-No.
A	180/7	0.4 x 7	10-6032.TI
B	180/7	0.4 x 7	10-6033.TI
C	180/7	0.8 x 7	10-6030.TI
D	180/7	0.8 x 7	10-6031.TI
A	210/8¼	0.4 x 7	10-6036.TI
B	210/8¼	0.4 x 7	10-6037.TI
C	210/8¼	0.8 x 7	10-6034.TI
D	210/8¼	0.8 x 7	10-6035.TI
A	230/9	0.4 x 7	10-6047.TI
C	230/9	0.8 x 7	10-6045.TI



Fairgrip™ ultra Forceps

Ring Tip



Fig.	Length mm / "	Ring Ø mm	Art.-No. ①	Art.-No. ②
A	180/7	0.5 x 1.0	10-6010	10-6310
B	180/7	0.5 x 1.0	10-6011	10-6311
A	210/8¼	0.5 x 1.0	10-6012	10-6312
B	210/8¼	0.5 x 1.0	10-6013	10-6313
A	230/9	0.5 x 1.0	10-6014	10-6314
B	230/9	0.5 x 1.0	10-6015	10-6315



Fairgrip™ ultra Titanium Forceps

Ring Tip

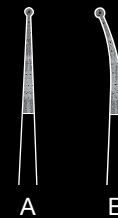


Fig.	Length mm / "	Ring Ø mm	Art.-No. ①
A	180/7	0.5 x 1.0	10-6010.TI
B	180/7	0.5 x 1.0	10-6011.TI
A	210/8¼	0.5 x 1.0	10-6012.TI
B	210/8¼	0.5 x 1.0	10-6013.TI
A	230/9	0.5 x 1.0	10-6014.TI
B	230/9	0.5 x 1.0	10-6015.TI



Fairgrip™ ultra DeBakey

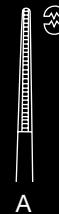


Fig.	Length mm/"	jaw mm	Art.-No.
A	180/7	1.0	10-6060
A	210/8¼	1.0	10-6065
A	230/9	1.0	10-6076



Fairgrip™ ultra Titanium DeBakey

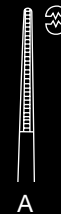
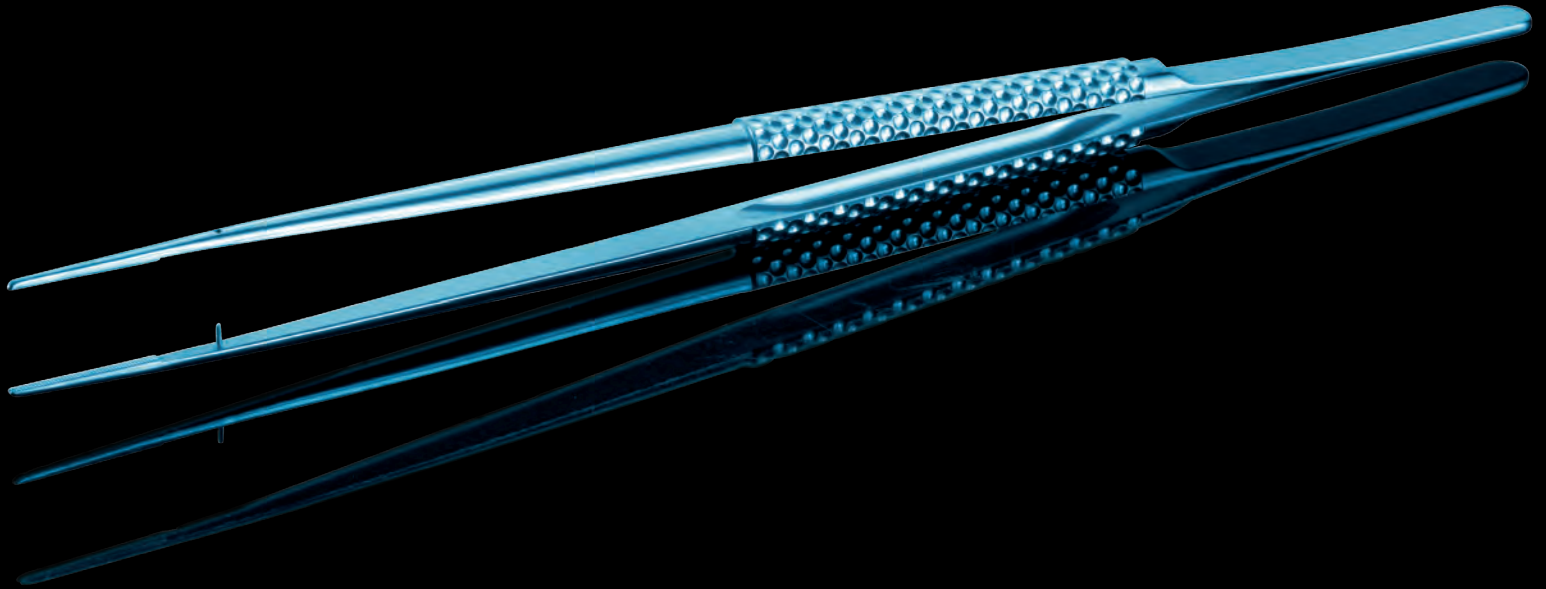


Fig.	Length mm/"	jaw mm	Art.-No.
A	180/7	1.0	10-6060.TI
A	210/8¼	1.0	10-6065.TI
A	230/9	1.0	10-6076.TI



Microsurgical Knife



Art.-No.

- | | |
|------------|---|
| 16-2070 | 15° Microsurgical knife blade/tip pack of 6 pieces, sterile |
| 16-0031 | Handle for disposable knives, 18 cm Aluminium |
| 16-0032 | Fairgrip™ultra Handle for disposable knives, 18 cm, Aluminium |
| 16-0030 | Handle for disposable knives, 18 cm stainless steel |
| 16-0030.DF | PANDOR™ Handle for disposable knives, 18 cm, stainless steel |
| 16-5050 | Handle for disposable knives, 9.5 cm |



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Cleaning the fume away for a safer healthcare and a better vision.

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Arthroscopy

We are working in the four business fields „Cardio“, „Neuro“, „Powered“ and „Joints“. In all these fields we want to offer our valued clients a complete range of products and services. Our products are clearly described and illustrated in well-structured sales documents. A small selection of various catalogs we show you below.

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PANDOR Instruments

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GEISTER Micro-Instruments

Like diamonds in your hands!

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GEISTER Medizintechnik GmbH

Föhrenstrasse 2 | D-78532 Tuttlingen | Germany

☎ +49 7461/966240 | 📠 +49 7461/9662422

www.geister.com | info@geister.com