



MICRO INSTRUMENTS

SPECIALIST





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	1.2 mm						X	X	X				
	Pitch 0.20-0.30													
Heavy Micro Needle Holders	Sapphire™	2.0 mm			X	X	X	X	X					
	TC (F) Fine	2.0 mm			X	X	X	X	X					
	Pitch 0.40													

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Masterpieces

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.

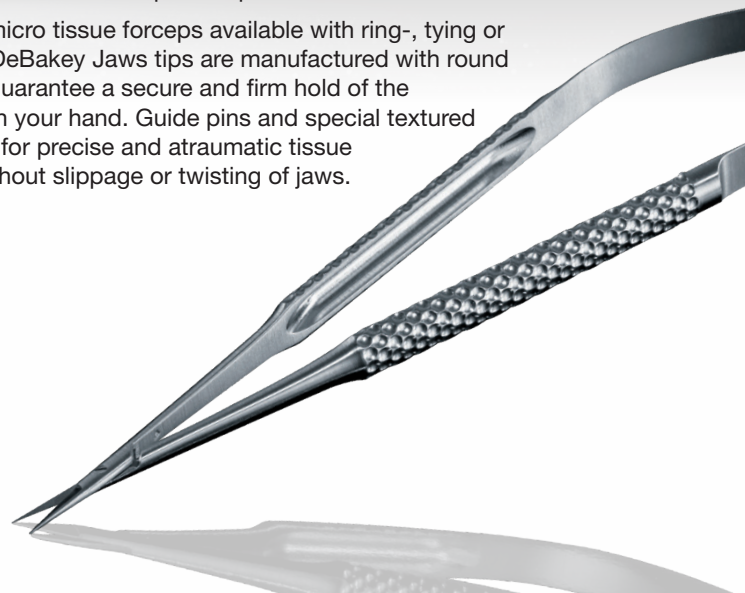
All GEISTER® Micro Needle Holders and Forceps - both in stainless steel and titanium - feature our exclusive Sapphire™ enhanced needle grip surface for a firm grasp of needles without rotation and maximum control during suturing or grasping tissue.

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 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.

GEISTER® micro tissue forceps available with ring-, tying or atraumatic DeBakey Jaws 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.





Mini-Potts



Castroviejo



Mini-Potts

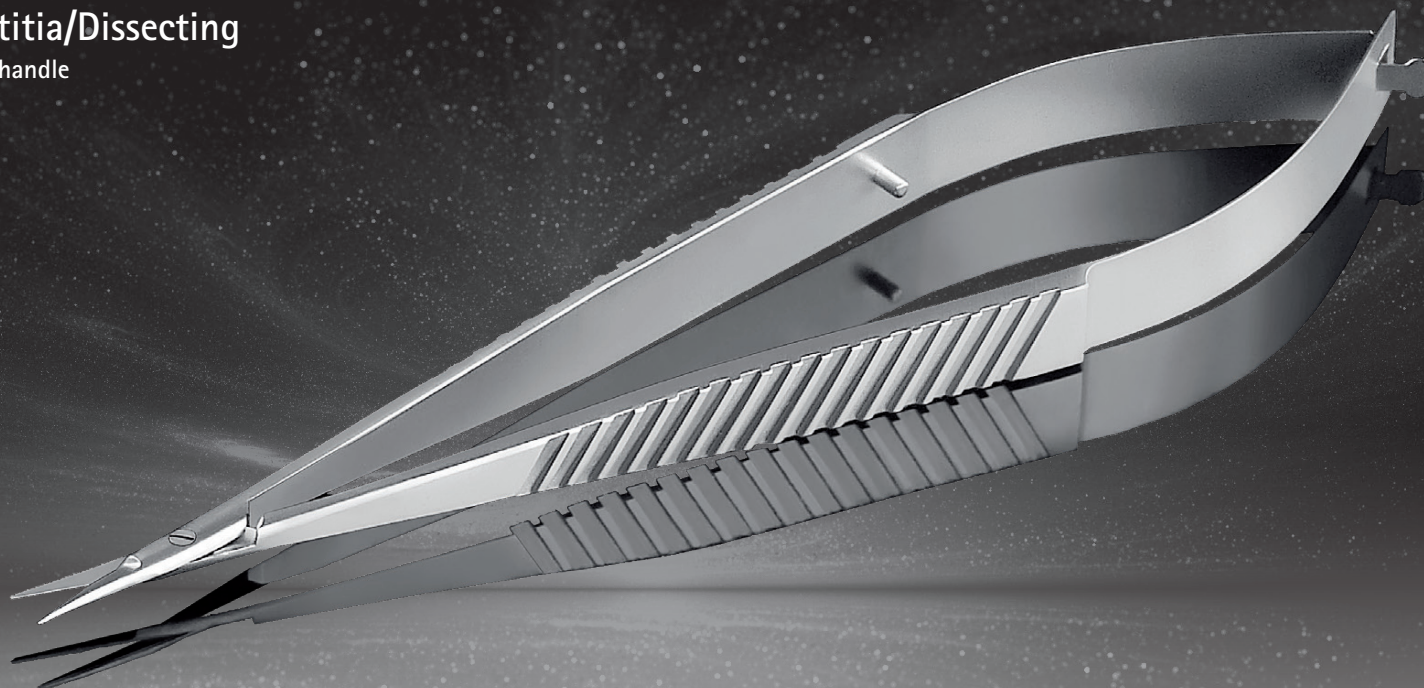
Castroviejo

Fig.	✂	Length mm/"	Art.-No. sharp/sharp	Length mm/"	Art.-No. sharp/sharp
A	25°	115/4½	03-1091	90/3½	03-1040
B	45°	115/4½	03-1093	90/3½	03-1042
C	60°	115/4½	03-1095	90/3½	03-1044
D	90°	115/4½	03-1097	90/3½	03-1046
E	125°	115/4½	03-1099	90/3½	03-1048

For shorter 7 mm blade add "KS" behind Art.-No. for ordering.

Adventitia/Dissecting

with flat handle



A



B

Fig.	Jaw mm	Length mm/“	Art.-No.	Length mm/“	Art.-No. toothed	Art.-No.	Length mm/“	Art.-No.
A	short (10 mm)	110/4¼	03-0066	150/6	–	03-0050	180/7	03-0050.18
B	short (10 mm)	110/4¼	03-0065	150/6	–	03-0051	180/7	03-0051.18
A	long (15 mm)	–	–	150/6	03-0070	03-0060		
B	long (15 mm)	–	–	150/6	03-0071	03-0061		



Jacobson
Classic-type

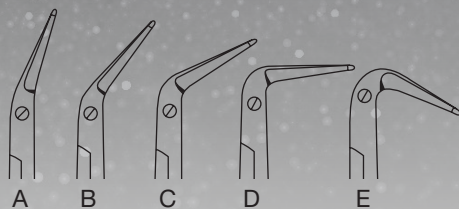
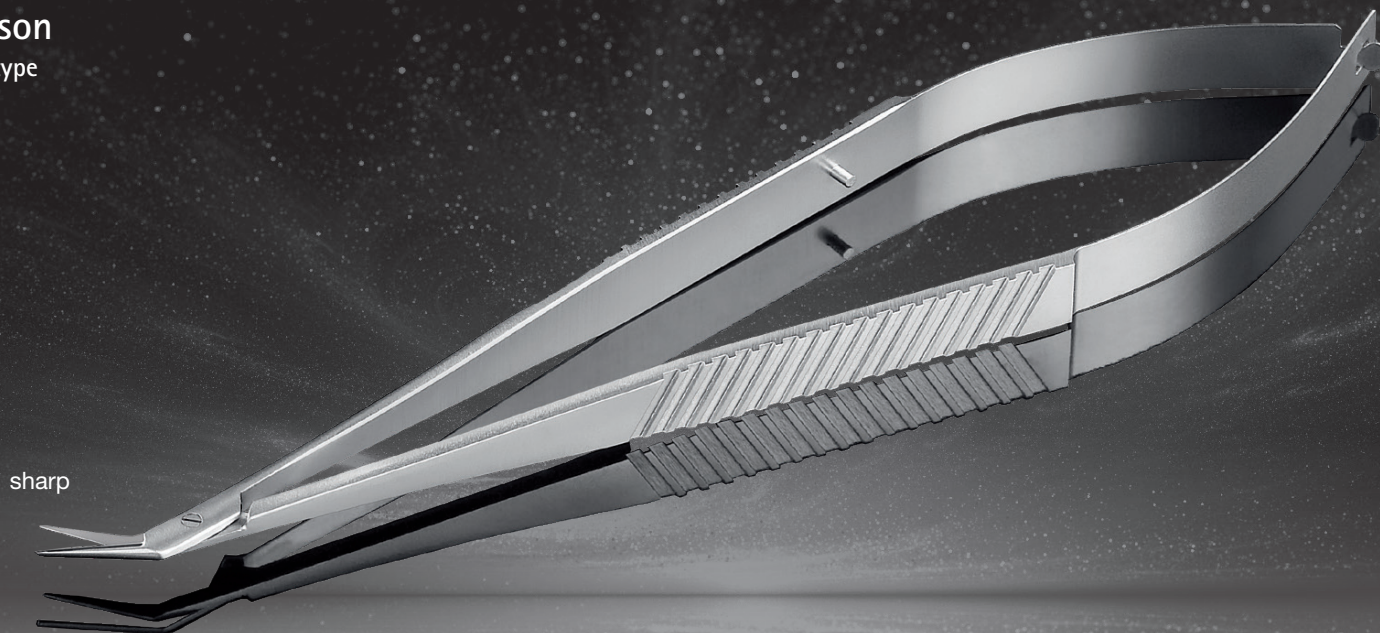


Fig.	✂	Length mm / "	Art.-No. sharp/sharp	Length mm / "	Art.-No. sharp/sharp
A	25°	170/6½	03-0030.JP	140/5½	03-0040.JP
B	45°	170/6½	03-0032.JP	140/5½	03-0042.JP
C	60°	170/6½	03-0034.JP	140/5½	03-0044.JP
D	90°	170/6½	03-0036.JP	140/5½	03-0046.JP
E	125°	170/6½	03-0038.JP	140/5½	03-0048.JP

Jacobson

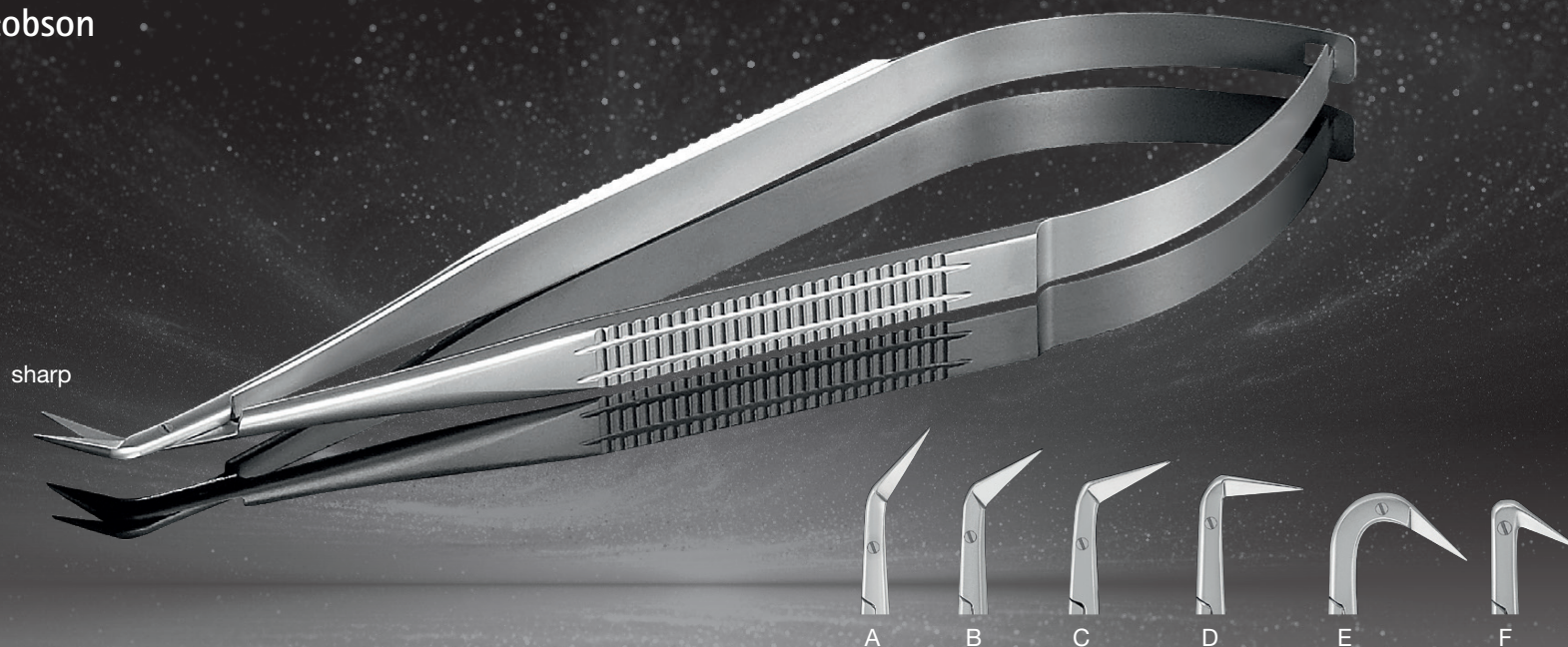


Fig.	✂	Length mm / "	Art.-No. sharp	Art.-No. nano sharp	Length mm / "	Art.-No. sharp	Length mm / "	Art.-No. sharp
A	25°	170 / 6½	03-0030	03-0030.KS	210 / 8¼	03-0030.21	230 / 9	03-0030.23
B	45°	170 / 6½	03-0032	03-0032.KS	210 / 8¼	03-0032.21	230 / 9	03-0032.23
C	60°	170 / 6½	03-0034	03-0034.KS	210 / 8¼	03-0034.21	230 / 9	03-0034.23
D	90°	170 / 6½	03-0036	03-0036.KS	210 / 8¼	03-0036.21	230 / 9	03-0036.23
E	125°	170 / 6½	03-0038	–	210 / 8¼	03-0038.21	230 / 9	03-0038.23
F	125°	170 / 6½	03-0038V	03-0038.KS	210 / 8¼	03-0038.21V	–	–

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



TC Streamline

welded tungsten carbide inserts extend working life and provide for superior cutting action

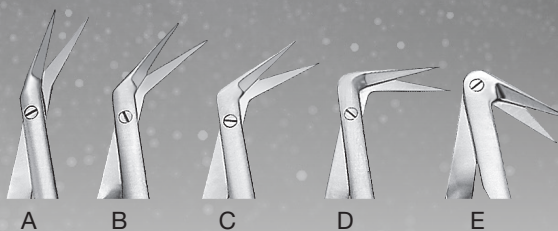
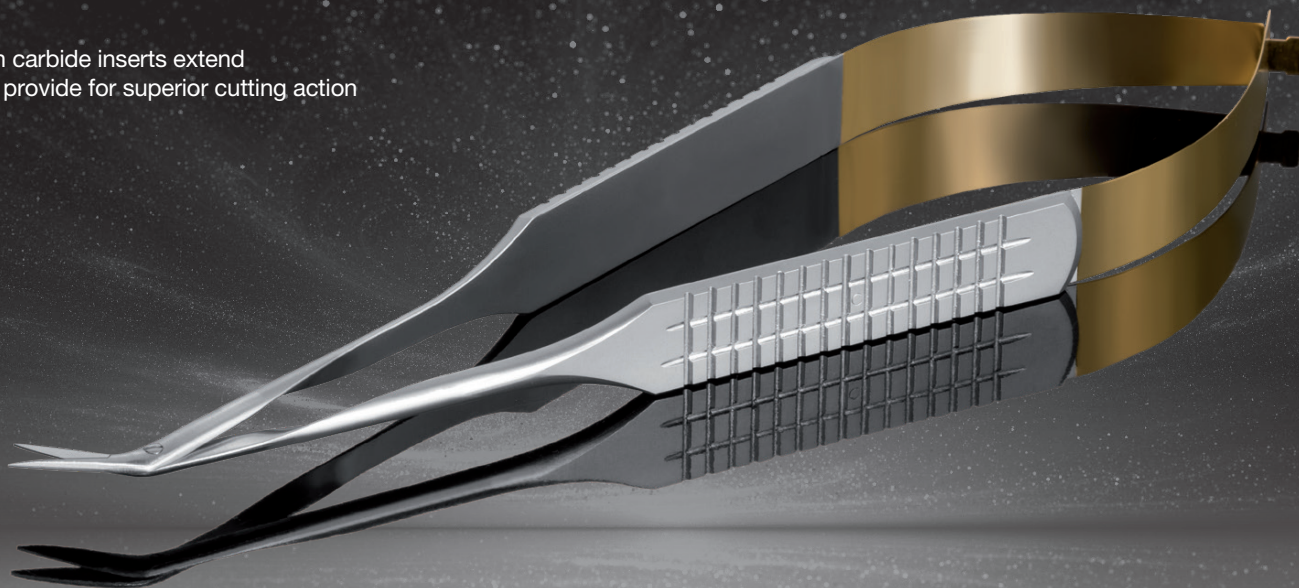


Fig.	✂	Length mm / "	Art.-No. regular
A	25°	170/6½	03-0980
B	45°	170/6½	03-0982
C	60°	170/6½	03-0984
D	90°	170/6½	03-0986
E	125°	170/6½	03-0988

Streamline

SuebishEdge™

Streamline Scissors with ultra-sharp edges for smoother cutting action.

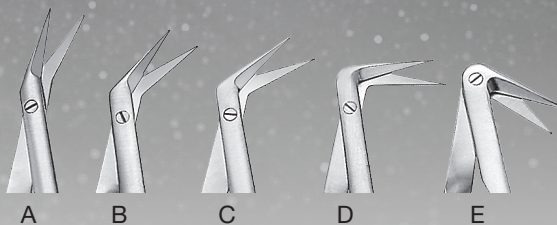
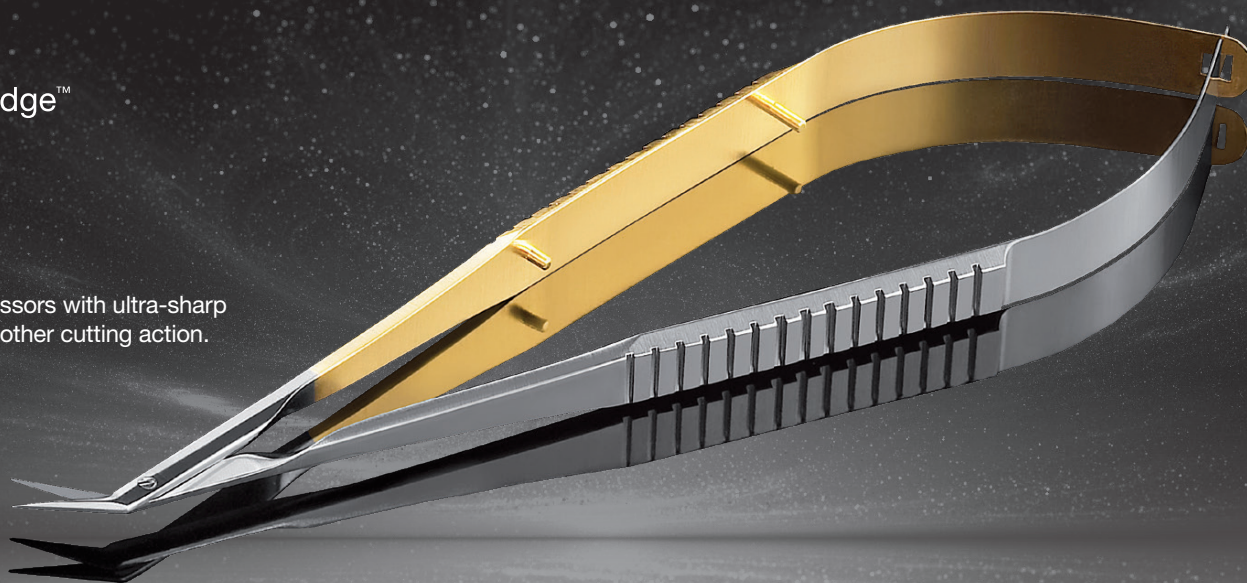


Fig.	✂	Length mm / "	Art.-No. regular	Art.-No. nano blades
A	25°	180/7	03-1050	03-1060
B	45°	180/7	03-1052	03-1062
C	60°	180/7	03-1054	03-1064
D	90°	180/7	03-1056	03-1066
E	125°	180/7	03-1058	03-1068



Mikro Mini-Potts

Bayonet

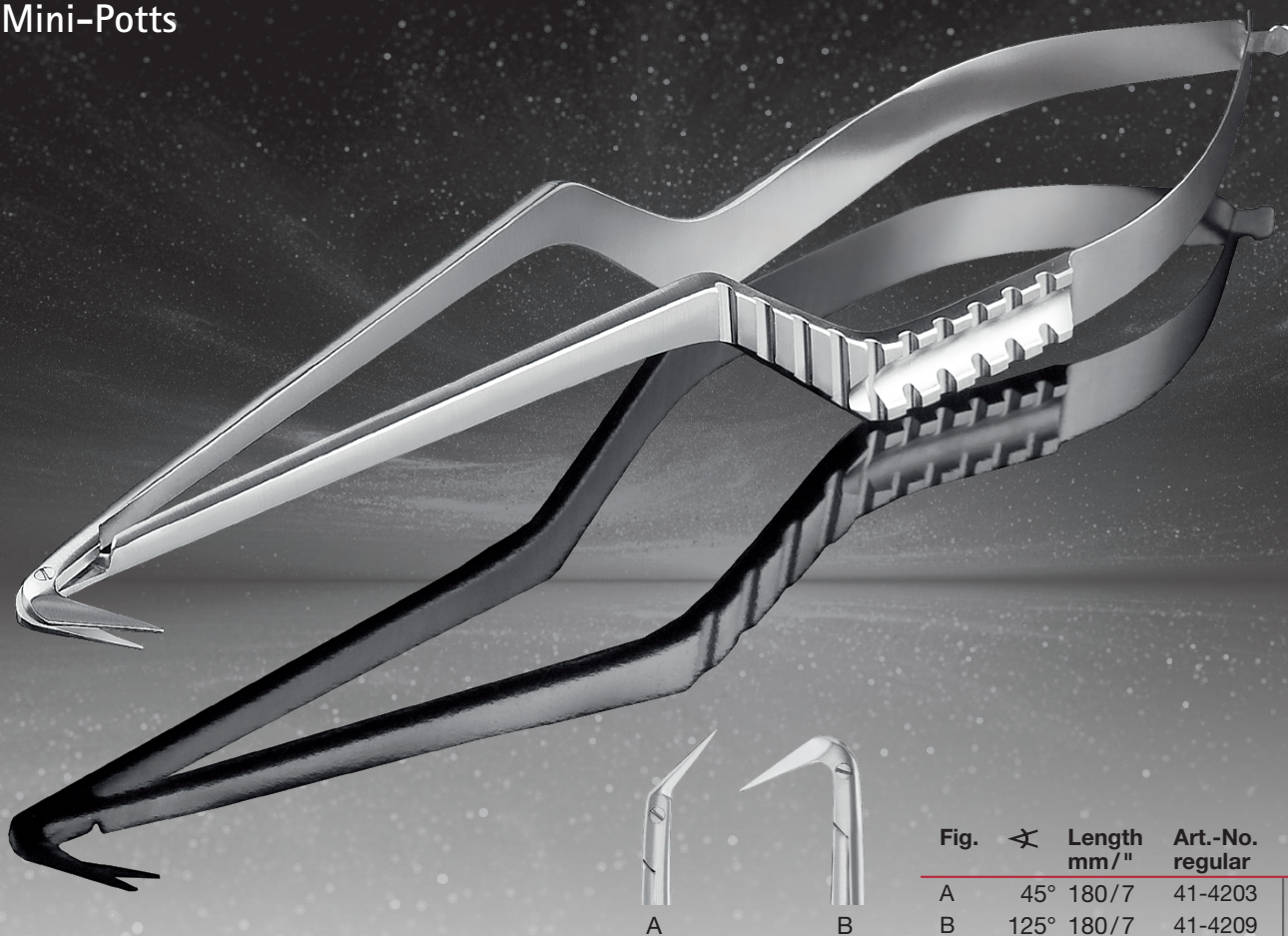


Fig.		Length mm/"	Art.-No. regular	Length mm/"	Art.-No. regular
A	45°	180/7	41-4203	200/8	41-4202
B	125°	180/7	41-4209	200/8	41-4208

For shorter 7 mm blade add "KS" behind Art.-No. for ordering.

Diethrich-Hegemann

with extra delicate micro tips



Fig.		Length mm/"	Art.-No. regular	Length mm/"	Art.-No. regular	Art.-No. super cut	Art.-No. nano blades	Art.-No. nano super cut
A	25°	125/5	26-4100.BY	180/7	26-4100	26-4100.SC	26-4300	26-4300.SC
B	45°	125/5	26-4102.BY	180/7	26-4102	26-4102.SC	26-4302	26-4302.SC
C	60°	125/5	26-4104.BY	180/7	26-4104	26-4104.SC	26-4304	26-4304.SC
D	90°	125/5	26-4106.BY	180/7	26-4106	26-4106.SC	26-4306	26-4306.SC
E	125°	125/5	26-4108.BY	180/7	26-4108	26-4108.SC	26-4308	26-4308.SC
with bar:								
E	125°	–	–	180/7	26-4110	26-4110.SC		



Adventitia/Dissecting Titanium

with round handle

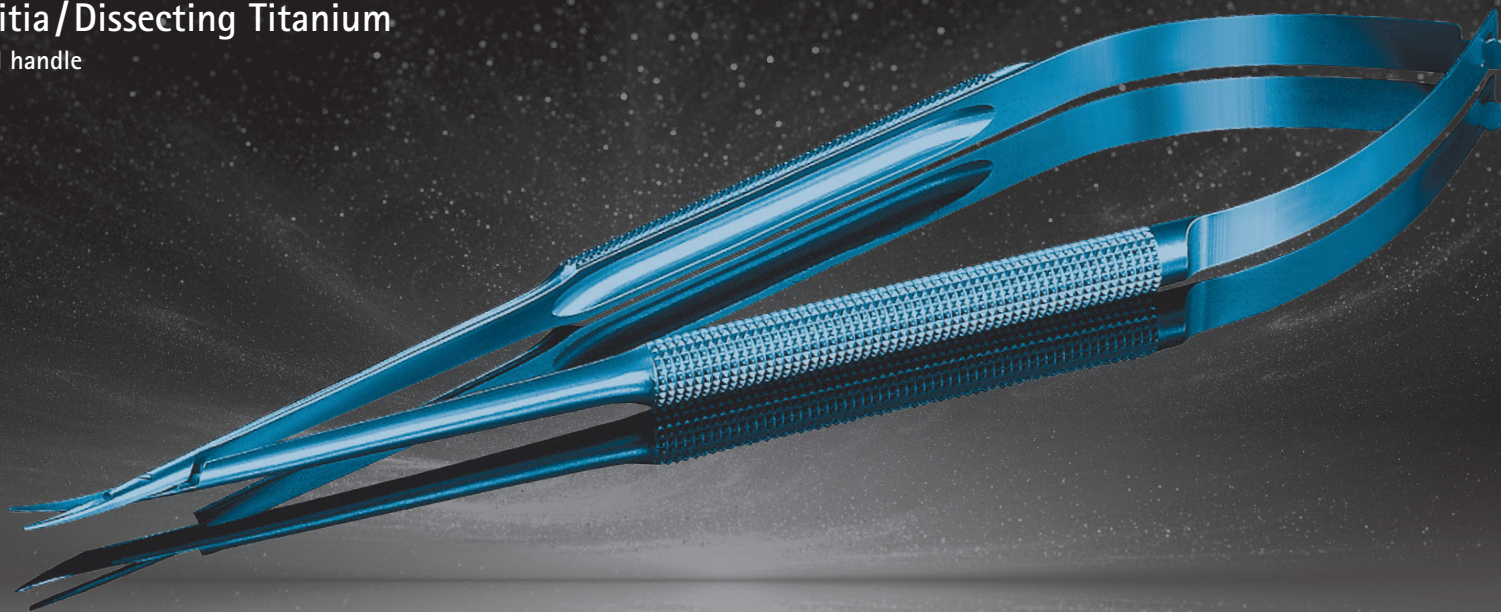


Fig.	Length mm/"	Blades	Art.-No. sharp	Fig.	Length mm/"	Blades	Art.-No. sharp
A	150/6	long (9 mm)	03-1180.TI	A	210 / 8¼	long (9 mm)	03-1187.TI
B	150/6	long (9 mm)	03-1181.TI	B	210 / 8¼	long (9 mm)	03-1187.TI
A	180/7	long (9 mm)	03-1185.TI				
B	180/7	long (9 mm)	03-1186.TI				

Adventitia/Dissecting

with round handle



Vannas tip

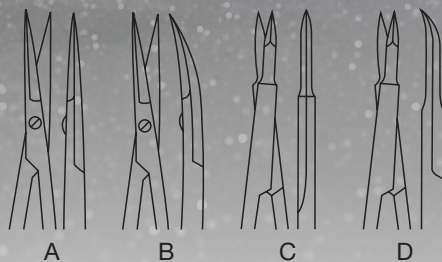


Fig.	Length mm / "	Blades	Art.-No. sharp	Fig.	Length mm / "	Blades	Art.-No. sharp
A	150 / 6	short (6 mm)	03-0055	A	180 / 7	short (6 mm)	03-0075
B	150 / 6	short (6 mm)	03-0056	B	180 / 7	short (6 mm)	03-0076
C	150 / 6	short (6 mm)	03-0055.VA	–	–	–	–
D	150 / 6	short (6 mm)	03-0056.VA	–	–	–	–
A	150 / 6	long (9 mm)	03-0080	A	180 / 7	long (9 mm)	03-0085
B	150 / 6	long (9 mm)	03-0081	B	180 / 7	long (9 mm)	03-0086



Fairgrip™ Ultra Titanium Micro – Potts

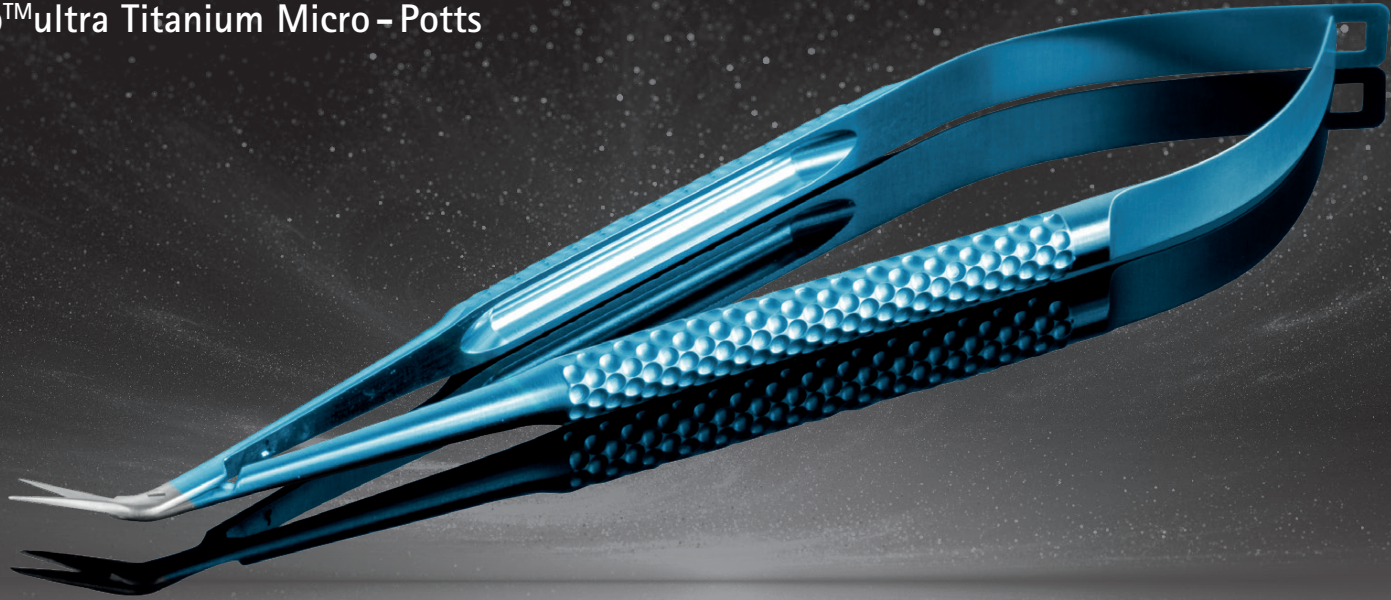


Fig.	✂	Blades mm	Length mm / "	Art.-No.	Length mm / "	Art.-No.	Type
A	–	10	170/6½	03-0606.TI	–	–	–
B	–	10	170/6½	03-0608.TI	–	–	–
C	25°	10	170/6½	03-0610.TI	210/8¼	03-0620.TI	Streamline*
D	45°	10	170/6½	03-0612.TI	210/8¼	03-0621.TI	Streamline*
E	60°	10	170/6½	03-0614.TI	210/8¼	03-0622.TI	Streamline*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

Standard blade length 10mm. For shorter 7mm blade add "KS" behind Art.-No. for ordering. * Scissors with length 210mm only available in Streamline.

Fairgrip™ultra Micro – Potts

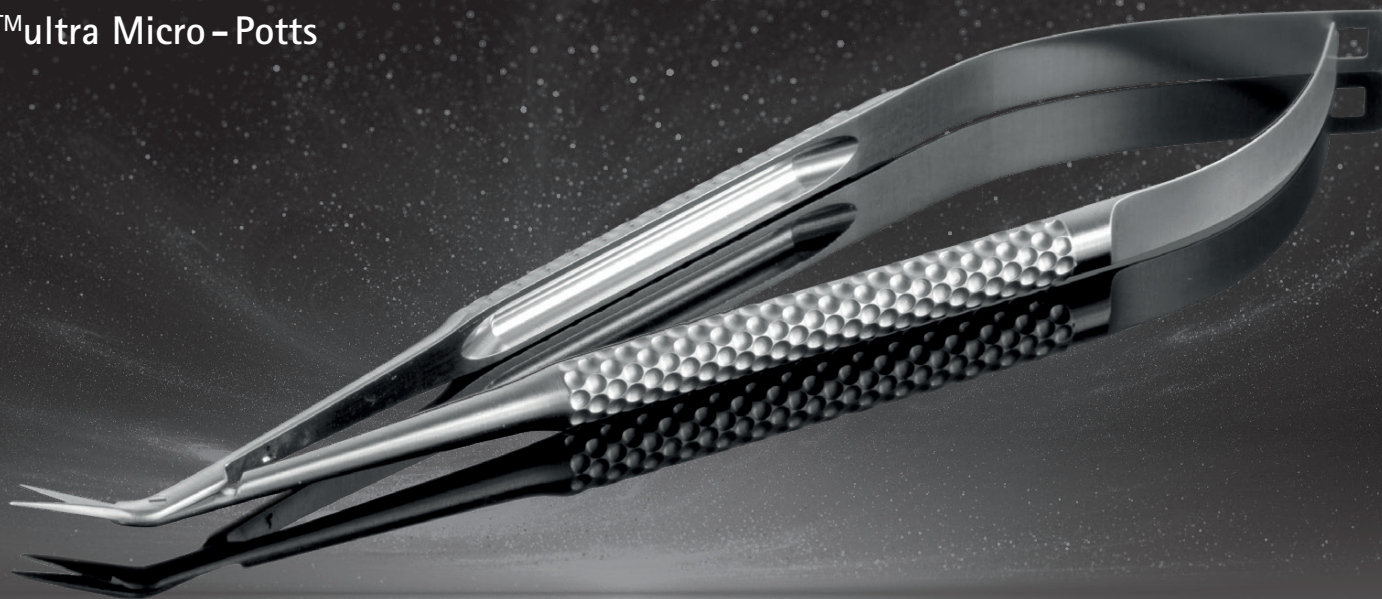


Fig.	✂	Blades mm	Length mm / "	Art.-No.	Length mm / "	Art.-No.	Type
A	–	10	170/6½	03-0606	210/8¼	03-0602	Streamline*
B	–	10	170/6½	03-0608	210/8¼	03-0604	Streamline*
C	25°	10	170/6½	03-0610	210/8¼	03-0620	Streamline*
D	45°	10	170/6½	03-0612	210/8¼	03-0621	Streamline*
E	60°	10	170/6½	03-0614	210/8¼	03-0622	Streamline*
F	90°	10	170/6½	03-0616	210/8¼	03-0623	Streamline*
G	125°	10	170/6½	03-0618	210/8¼	03-0624	Streamline*

Standard blade length 10 mm. For shorter 7 mm blade add "KS" behind Art.-No. for ordering. * Scissors with length 210 mm only available in Streamline.



Micro-Potts

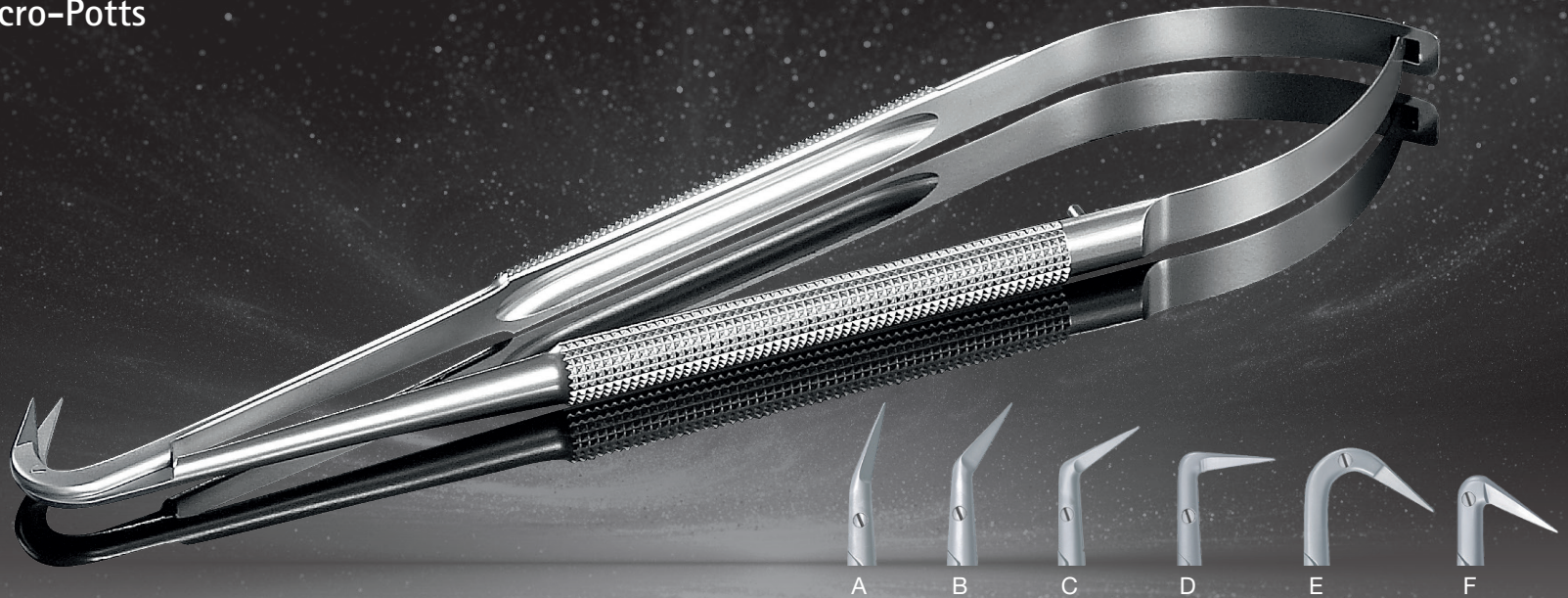


Fig.	✂	Length mm/"	Art.-No. regular sharp/sharp	Art.-No. nano blades sharp/sharp	Length mm/"	Art.-No. regular sharp/sharp	Art.-No. nano blades sharp/sharp	Length mm/"	Art.-No. regular sharp/sharp	Art.-No. nano blades sharp/sharp
A	25°	170/6½	03-0031	03-0031.KS	210/8¼	03-0031.21	03-0031.21/KS	230/9	03-0031.23	–
B	45°	170/6½	03-0033	03-0033.KS	210/8¼	03-0033.21	03-0033.21/KS	230/9	03-0033.23	03-0033.23/KS
C	60°	170/6½	03-0035	03-0035.KS	210/8¼	–	03-0035.21/KS	230/9	03-0035.23	–
D	90°	170/6½	03-0037	03-0037.KS	210/8¼	03-0037.21	03-0037.21/KS	230/9	03-0037.23	–
E	125°	170/6½	03-0039	–	210/8¼	03-0039.21	03-0039.21/KS	230/9	03-0039.23	–
F	125°	170/6½	03-0039V	03-0039.KS	210/8¼	03-0039.21V	03-0039.21V/KS	230/9	03-0039.23V	03-0039.23V/KS

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

Radialis

with ultra-fine nano blades,
pin-lock without screw

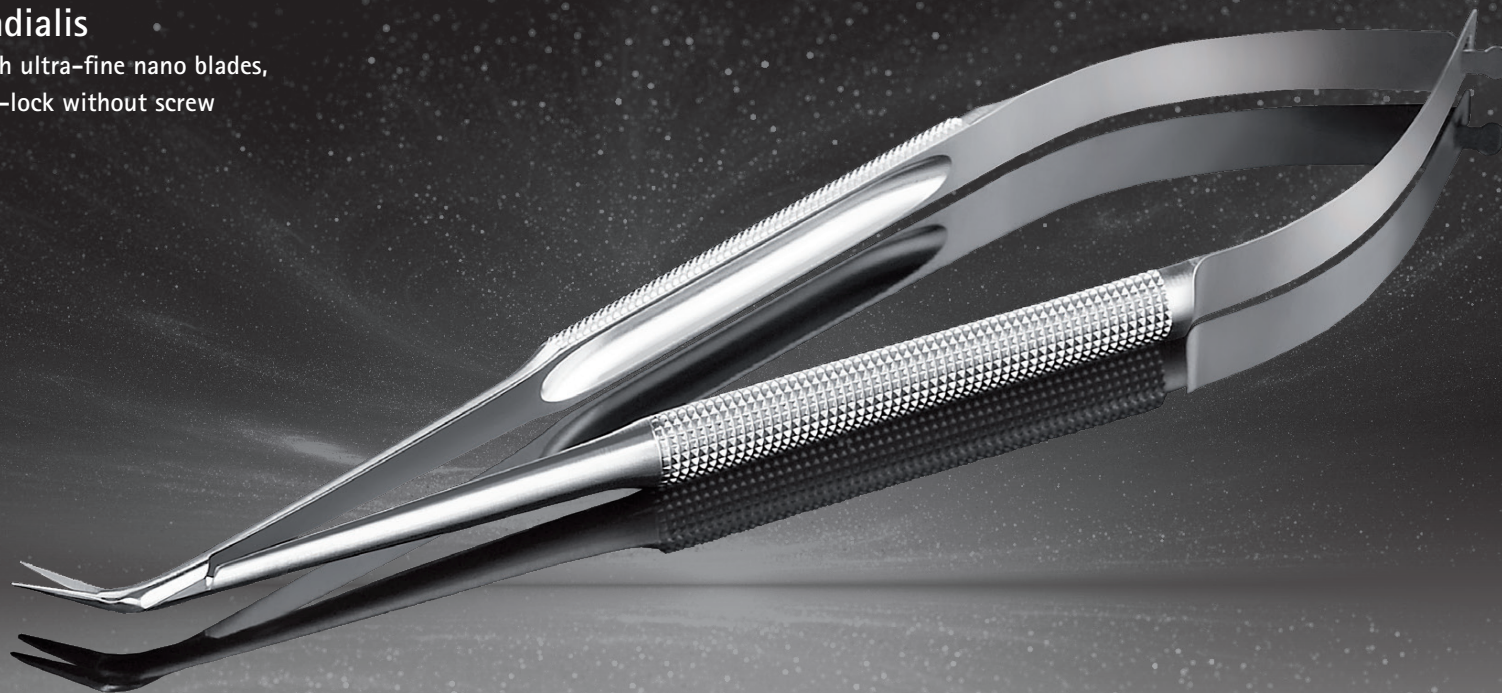


Fig.	✂	Length mm/"	Art.-No. nano blades sharp	Length mm/"	Art.-No. nano blades sharp
A	25°	180/7	03-1031	210/8¼	03-1031.21
B	45°	180/7	03-1033	210/8¼	03-1033.21
C	60°	180/7	03-1035	210/8¼	03-1035.21
D	90°	180/7	03-1037	210/8¼	03-1037.21
E	125°	180/7	03-1039	210/8¼	03-1039.21



Titanium Tying

with platform

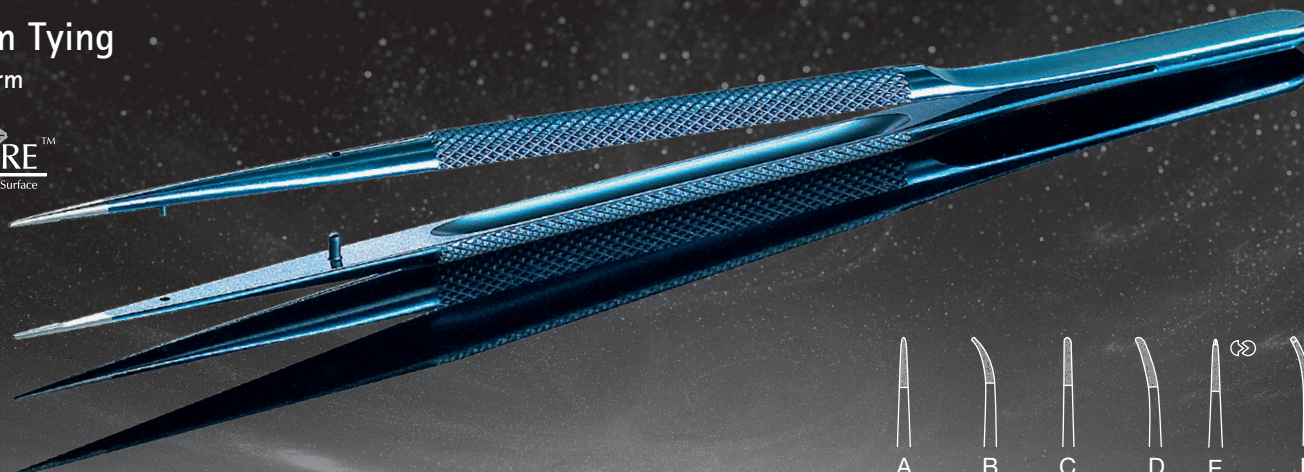


Fig.	Length mm/"	Jaw mm	Teeth	Art.-No.
A	150/6	0.4 x 6	-	10-4040
B	150/6	0.4 x 6	-	10-4041
C	150/6	0.8 x 6	-	10-4045
D	150/6	0.8 x 6	-	10-4046
E	150/6	0.4 x 6	1 x 2	10-4050
F	150/6	0.4 x 6	1 x 2	10-4051
A	180/7	0.4 x 6	-	10-4060
B	180/7	0.4 x 6	-	10-4061
C	180/7	0.8 x 6	-	10-4065
D	180/7	0.8 x 6	-	10-4066
E	180/7	0.4 x 6	1 x 2	10-4070
F	180/7	0.4 x 6	1 x 2	10-4071

Tying
with platform

SAPPHIRE™
Enhanced Needle Grip Surface

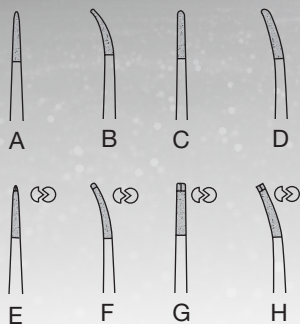


Fig.	Length mm/"	Jaw mm	Teeth	Art.-No. ①	Art.-No. ②	Fig.	Length mm/"	Jaw mm	Teeth	Art.-No. ①	Art.-No. ②
A	150/6	0.4 x 6	–	10-3550	10-3850	A	210/8¼	0.4 x 6	–	10-3570	10-3870
B	150/6	0.4 x 6	–	10-3555	10-3855	B	210/8¼	0.4 x 6	–	10-3575	10-3875
C	150/6	0.8 x 6	–	10-3551	10-3851	C	210/8¼	0.8 x 6	–	10-3571	10-3871
D	150/6	0.8 x 6	–	10-3556	10-3856	D	210/8¼	0.8 x 6	–	10-3576	10-3876
E	150/6	0.4 x 6	1 x 2	10-3552	10-3852	E	210/8¼	0.4 x 6	1 x 2	10-3572	10-3872
F	150/6	0.4 x 6	1 x 2	–	–	F	210/8¼	0.4 x 6	1 x 2	10-3577	10-3877
G	150/6	0.8 x 6	1 x 2	10-3553	10-3853	G	210/8¼	0.8 x 6	1 x 2	10-3573	10-3873
H	150/6	0.8 x 6	1 x 2	10-3558	10-3858	H	210/8¼	0.8 x 6	1 x 2	10-3578	10-3878
A	180/7	0.4 x 6	–	10-3560	10-3860	A	230/9	0.4 x 6	–	10-3580	10-3880
B	180/7	0.4 x 6	–	10-3565	10-3865	B	230/9	0.4 x 6	–	10-3585	–
C	180/7	0.8 x 6	–	10-3561	10-3861	C	230/9	0.8 x 6	–	10-3581	–
D	180/7	0.8 x 6	–	10-3566	10-3866	D	230/9	0.8 x 6	–	10-3586	–
E	180/7	0.4 x 6	1 x 2	10-3562	–	A	250/10	0.4 x 6	–	10-3590	–
F	180/7	0.4 x 6	1 x 2	10-3567	–	B	250/10	0.4 x 6	–	10-3595	–
G	180/7	0.8 x 6	1 x 2	10-3563	–	C	250/10	0.8 x 6	–	10-3591	–
H	180/7	0.8 x 6	1 x 2	10-3568	–	D	250/10	0.8 x 6	–	10-3596	–



Fairgrip™ ultra Titanium Tying with platform

SAPPHIRE™
Enhanced Needle Grip Surface

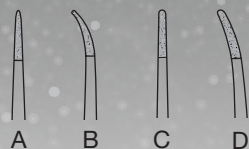
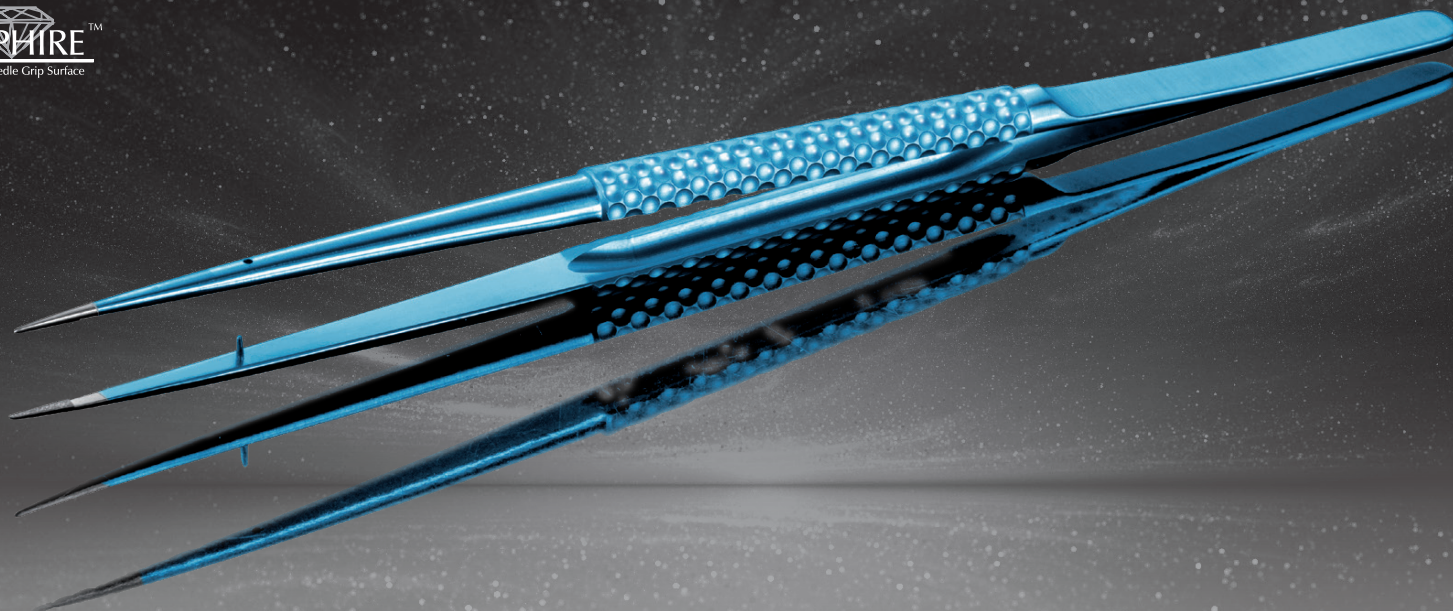


Fig.	Length mm/"	Jaw mm	Art.-No.	Length mm/"	Art.-No.	Length mm/"	Art.-No.
A	180/7	0.4 x 7	10-6032.TI	210/8¼	10-6036.TI	230/9	10-6047.TI
B	180/7	0.4 x 7	10-6033.TI	210/8¼	10-6037.TI	–	–
C	180/7	0.8 x 7	10-6030.TI	210/8¼	10-6034.TI	230/9	10-6045.TI
D	180/7	0.8 x 7	10-6031.TI	210/8¼	10-6035.TI	–	–

Fairgrip™ ultra Tying with platform

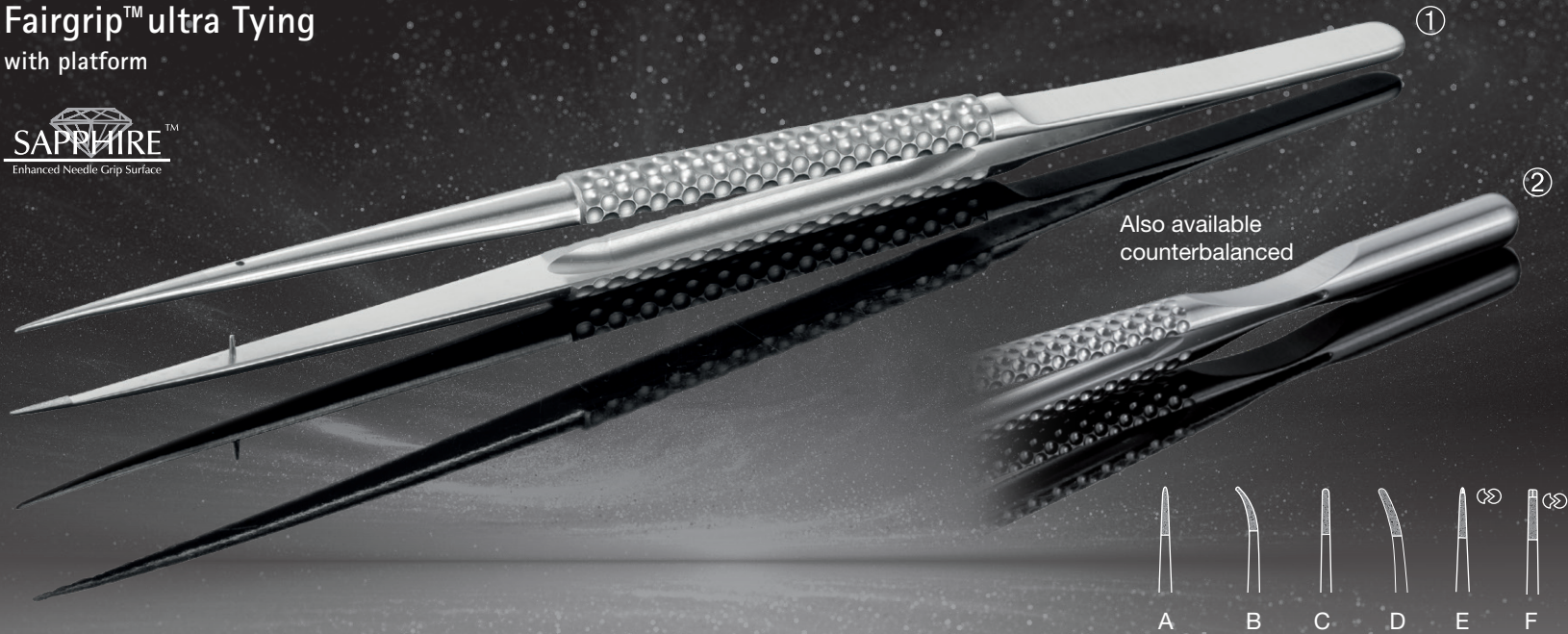


Fig.	Length mm/"	Jaw mm	teeth	Art.-No. ①	Art.-No. ②	Length mm/"	Art.-No. ①	Art.-No. ②	Length mm/"	Art.-No. ①	Length mm/"	Art.-No. ①
A	180/7	0.4 x 7	–	10-6032	10-6332	210/8¼	10-6036	10-6336	230/9	10-6047	–	–
B	180/7	0.4 x 7	–	10-6033	10-6333	210/8¼	10-6037	10-6337	–	–	–	–
C	180/7	0.8 x 7	–	10-6030	10-6330	210/8¼	10-6034	10-6334	230/9	10-6045	260/10¼	10-6048
D	180/7	0.8 x 7	–	10-6031	10-6331	210/8¼	10-6035	10-6335	–	–	–	–
E	180/7	0.4	1 x 2	10-6056	–	210/8¼	10-6058	–	–	–	–	–
F	180/7	0.8	1 x 2	10-6052	–	210/8¼	10-6054	–	–	–	–	–



Fairgrip™ ultra

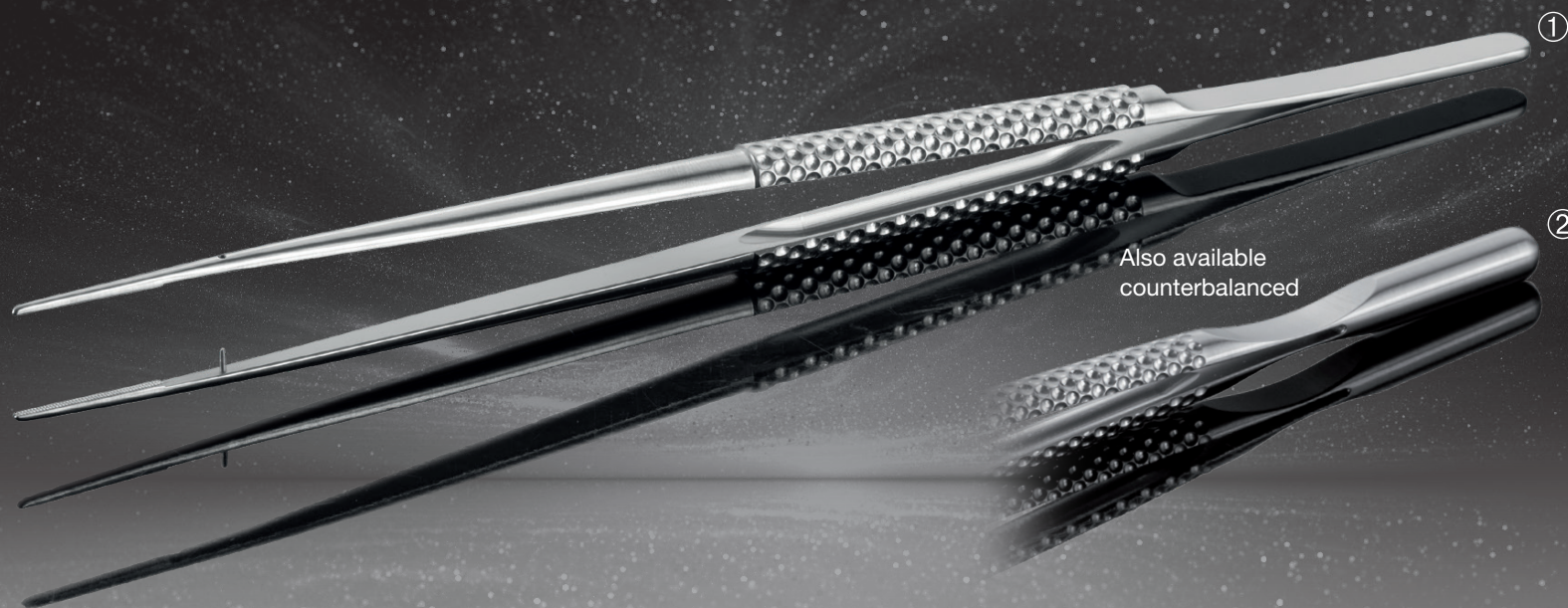


Fig.	Length mm/"	Jaw DeBakey mm	Art.-No. ①	Art.-No. ① Titanium	Art.-No. ②
A	180/7	1.0	10-6060	10-6060.TI	10-6120
A	210/8¼	1.0	10-6065	10-6065.TI	10-6122
A	230/9	1.0	10-6076	10-6076.TI	10-1623
A	250/10	1.0	10-6070	10-6070.TI	–

Fairgrip™ ultra Forceps

Ring Tip

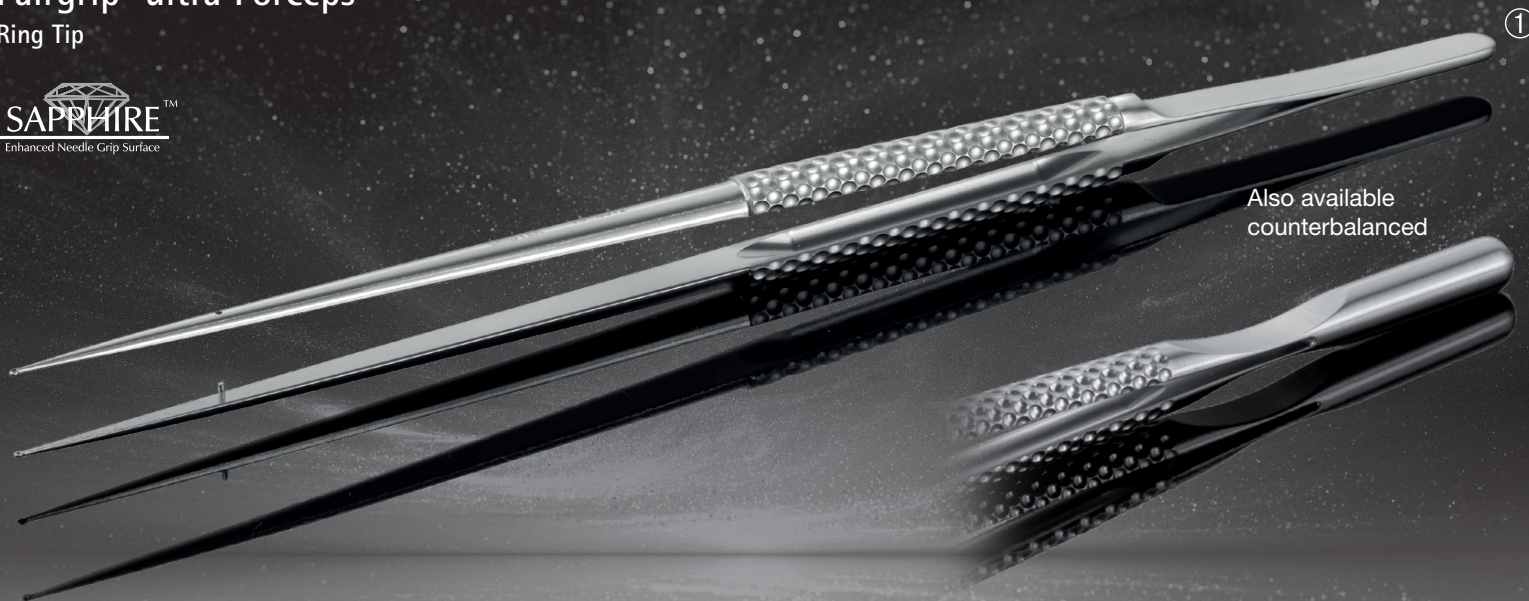
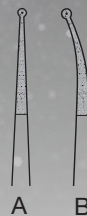
Also available
counterbalanced

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



Tissue Forceps Titanium

with DeBakey Jaws

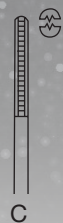
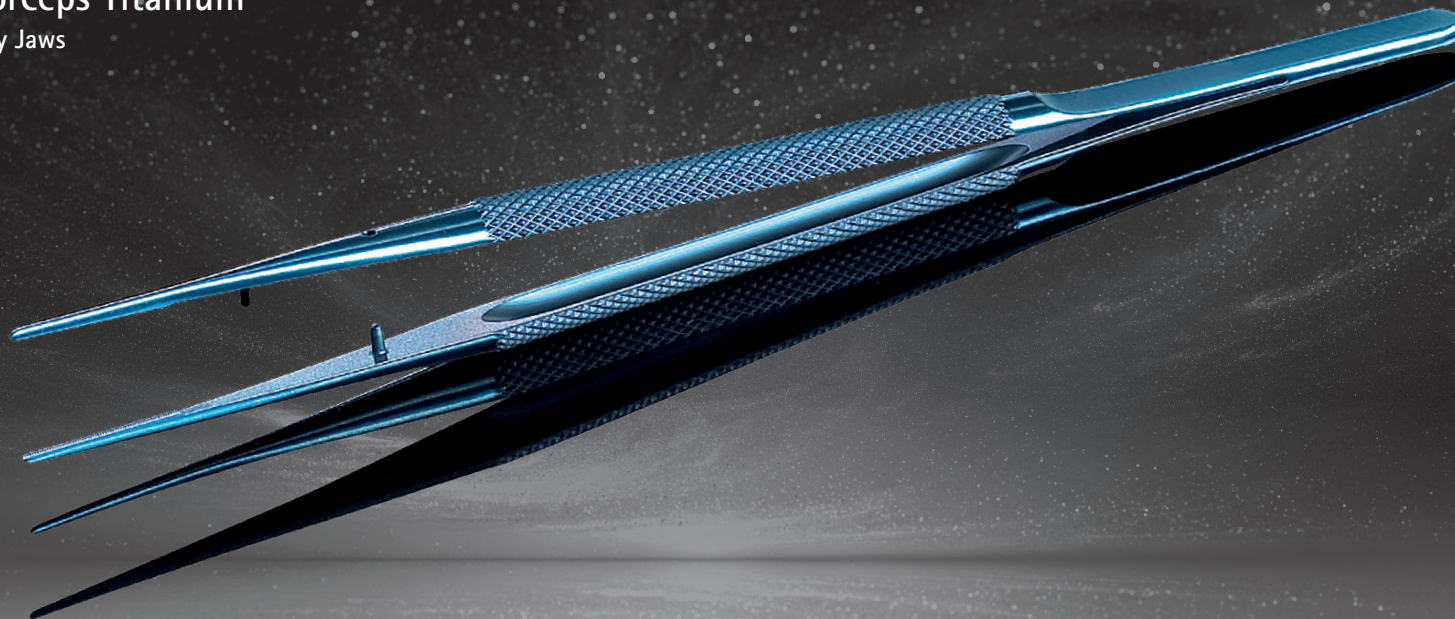


Fig.	Length mm/"	Jaw mm	Art.-No.
A	150/6	1.0	10-4090
B	150/6	1.0	10-4091
A	180/7	1.0	10-4095
B	180/7	1.0	10-4096
C	180/7	1.8	10-4098
D	180/7	1.8	10-4099

Fig.	Length mm/"	Jaw mm	Art.-No.
A	210/8¼	1.0	10-4100
B	210/8¼	1.0	10-4101
C	210/8¼	1.8	10-4102

Tissue Forceps with DeBakey Jaws



Fig.	Length mm/"	Jaw mm	Art.-No. ①	Art.-No. ②	Fig.	Length mm/"	Jaw mm	Art.-No. ①
A	150/6	1.0	10-3410	10-3710	A	230/9	1.0	10-3440
B	150/6	1.0	10-3415	–	B	230/9	1.0	10-3445
A	180/7	1.0	10-3420	10-3720	for needle pulling:			
B	180/7	1.0	10-3425	10-3725				
A	210/8¼	1.0	10-3430	10-3730				
B	210/8¼	1.0	10-3435	10-3735	C	180/7	1.0	10-3648
					C	180/7	1.5	10-3649
					C	180/7	2.0	10-3650



Titanium Ring Tip

SAPPHIRE™
Enhanced Needle Grip Surface

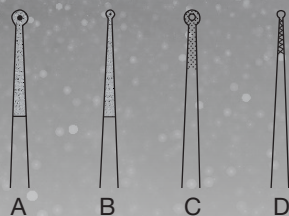
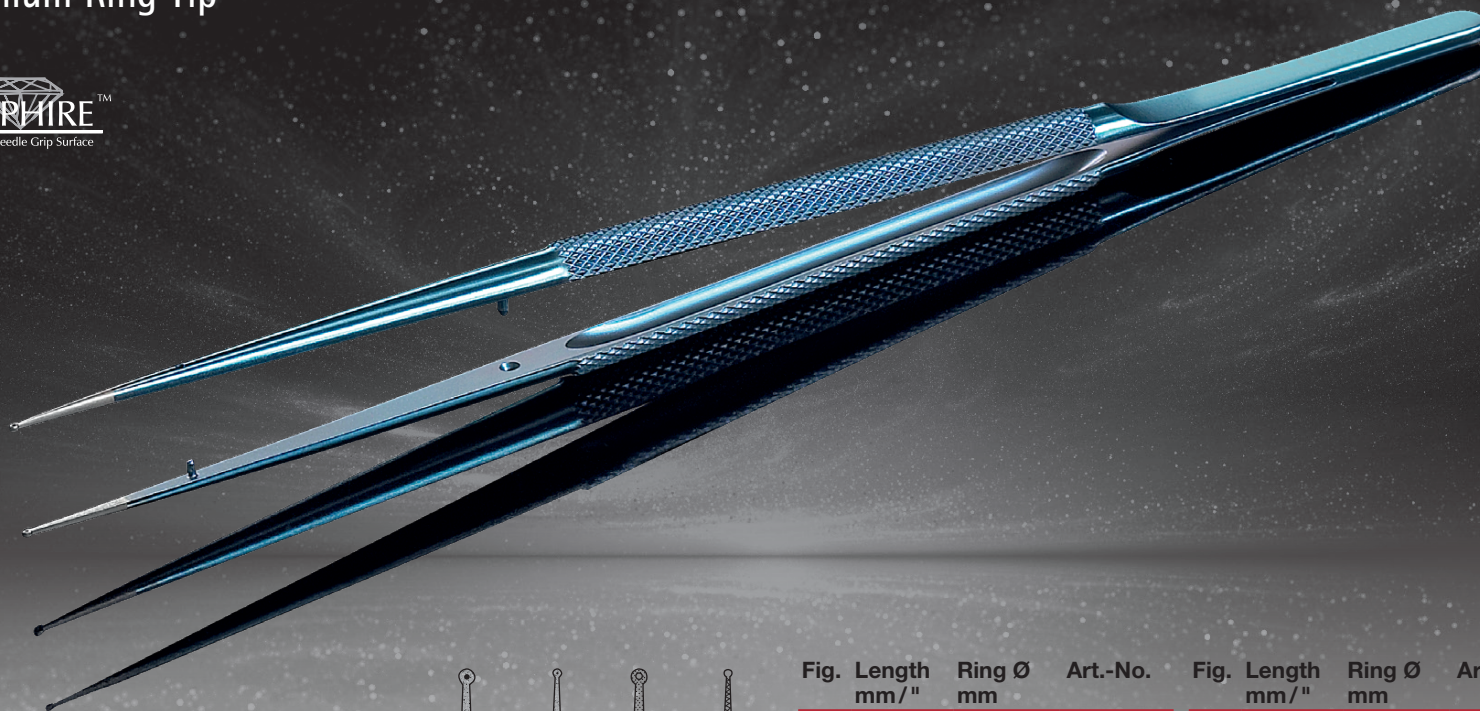


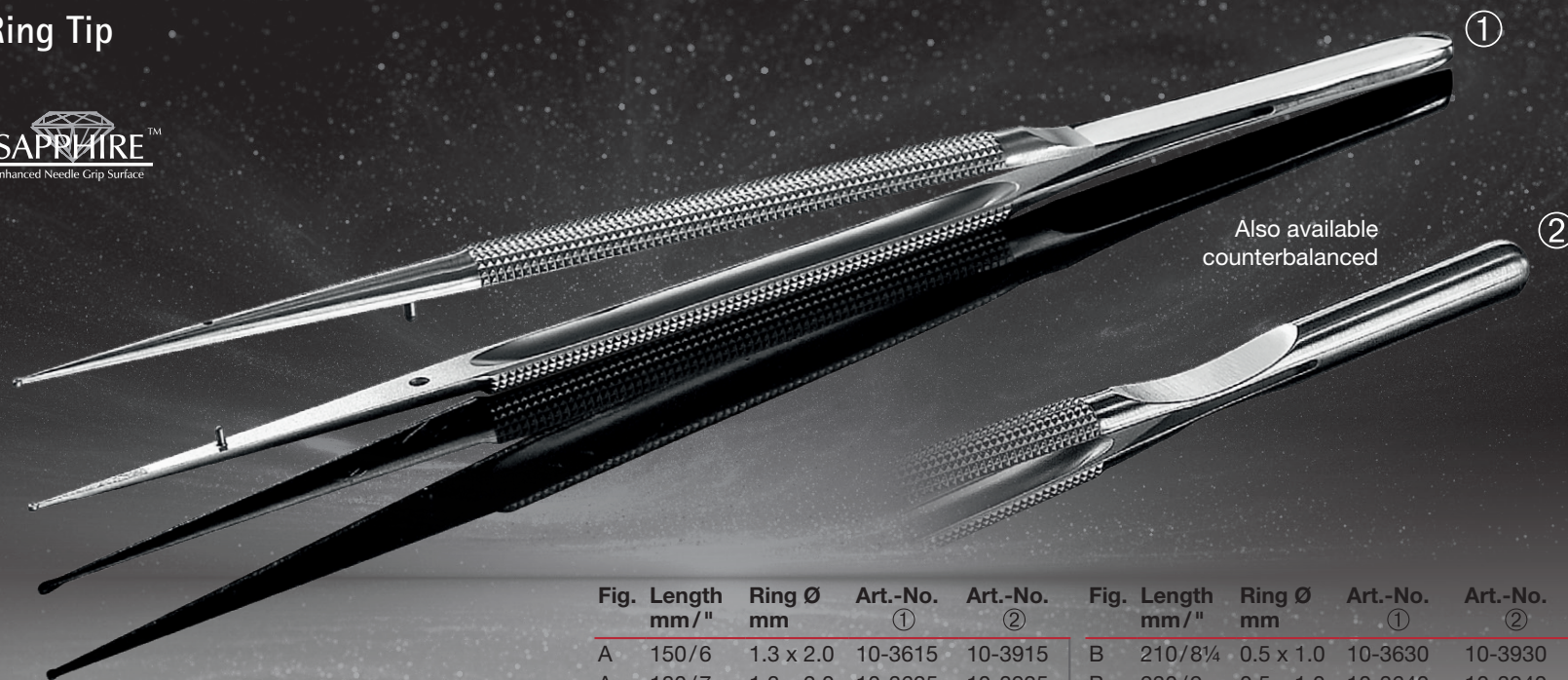
Fig.	Length mm/"	Ring Ø mm	Art.-No.	Fig.	Length mm/"	Ring Ø mm	Art.-No.
A	150/6	1.3 x 2.0	10-4011	B	150/6	0.5 x 1.0	10-4021
A	180/7	1.3 x 2.0	10-4013	B	180/7	0.5 x 1.0	10-4023
A	210/8¼	1.3 x 2.0	10-4031	B	210/8¼	0.5 x 1.0	10-4033
C	150/6	1.3 x 2.0	10-4015*	D	150/6	0.5 x 1.0	10-4025*
C	180/7	1.3 x 2.0	10-4016*	D	180/7	0.5 x 1.0	10-4026*

*Ring serrated, without SAPPHIRE™ (Fig.C and D)

Please add ".GB" behind Art.-No. for curved version (e.g. 10-4023.GB)

Ring Tip

SAPPHIRE™
Enhanced Needle Grip Surface



Also available
counterbalanced

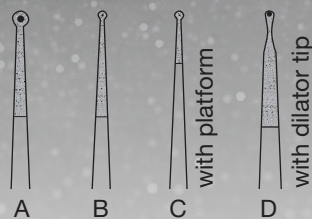


Fig.	Length mm /"	Ring Ø mm	Art.-No. ①	Art.-No. ②	Fig.	Length mm /"	Ring Ø mm	Art.-No. ①	Art.-No. ②
A	150/6	1.3 x 2.0	10-3615	10-3915	B	210/8¼	0.5 x 1.0	10-3630	10-3930
A	180/7	1.3 x 2.0	10-3625	10-3925	B	230/9	0.5 x 1.0	10-3640	10-3940
A	210/8¼	1.3 x 2.0	10-3635	10-3935	B	250/10	0.5 x 1.0	10-3646	10-3946
A	230/9	1.3 x 2.0	10-3645	10-3945	C	180/7	0.5 x 1.0	10-3621	–
A	250/10	1.3 x 2.0	10-3647	10-3947	C	210/8¼	0.5 x 1.0	10-3631	–
B	150/6	0.5 x 1.0	10-3610	10-3910	C	230/9	0.5 x 1.0	10-3641	–
B	180/7	0.5 x 1.0	10-3620	10-3920	D	150/6	0.5 x 1.0	–	10-3910D
					D	180/7	0.5 x 1.0	10-3620D	10-3920D
					D	210/8¼	0.5 x 1.0	10-3630D	10-3930D



Titanium Ring Tip

counter balanced

SAPPHIRE™
Enhanced Needle Grip Surface

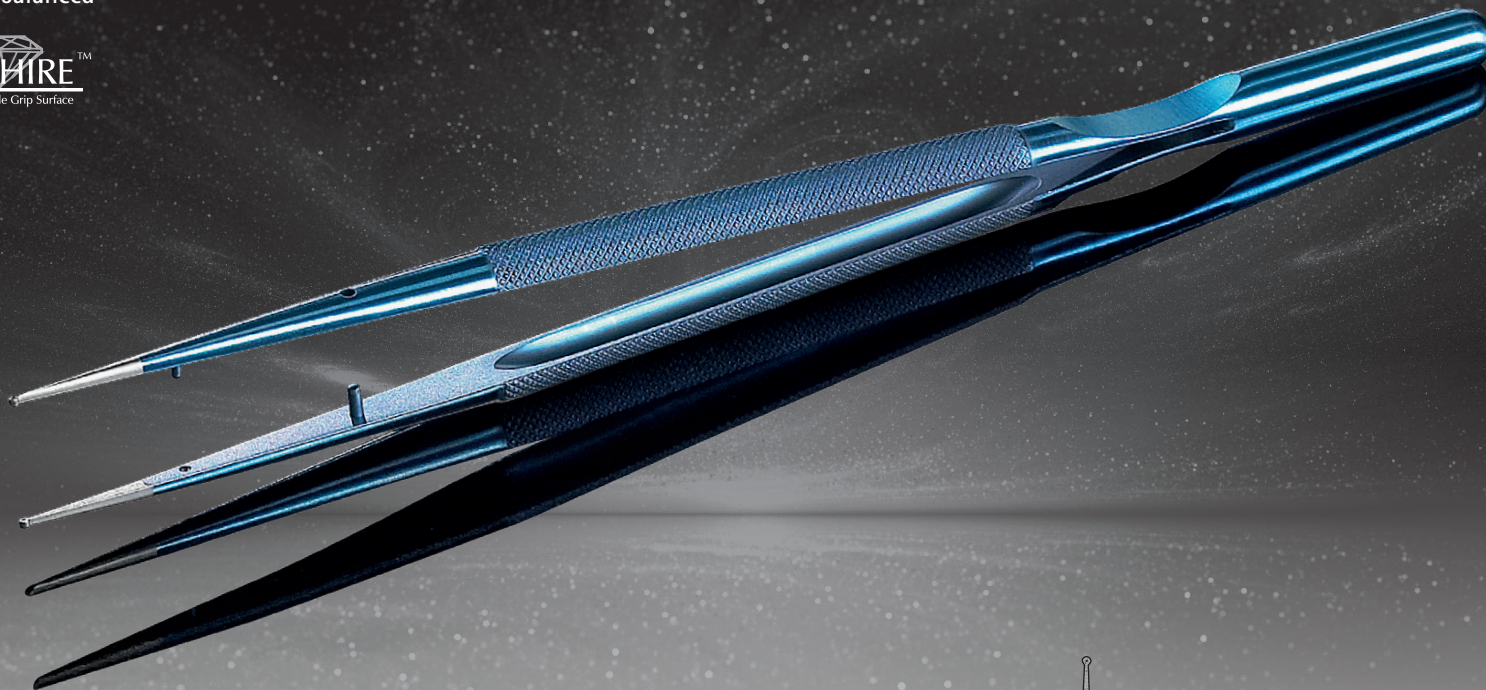


Fig.	Length mm/"	Ring Ø mm	Art.-No.
B	180/7	0.5 x 1.0	10-4000
B	210/8¼	0.5 x 1.0	10-4001
B	230/9	0.5 x 1.0	10-4002
B	250/10	0.5 x 1.0	10-4003

Tying
without platform

SAPPHIRE™
Enhanced Needle Grip Surface

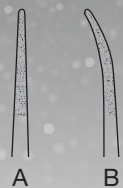
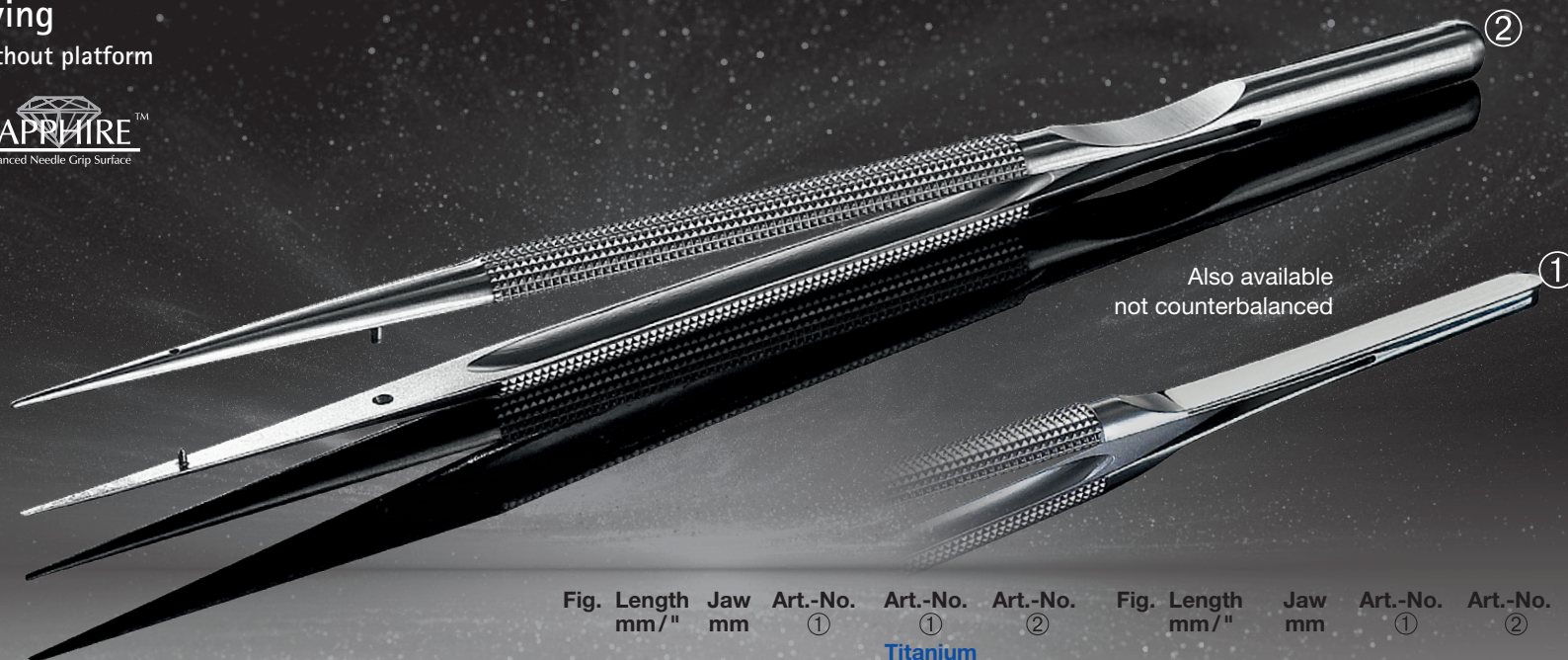
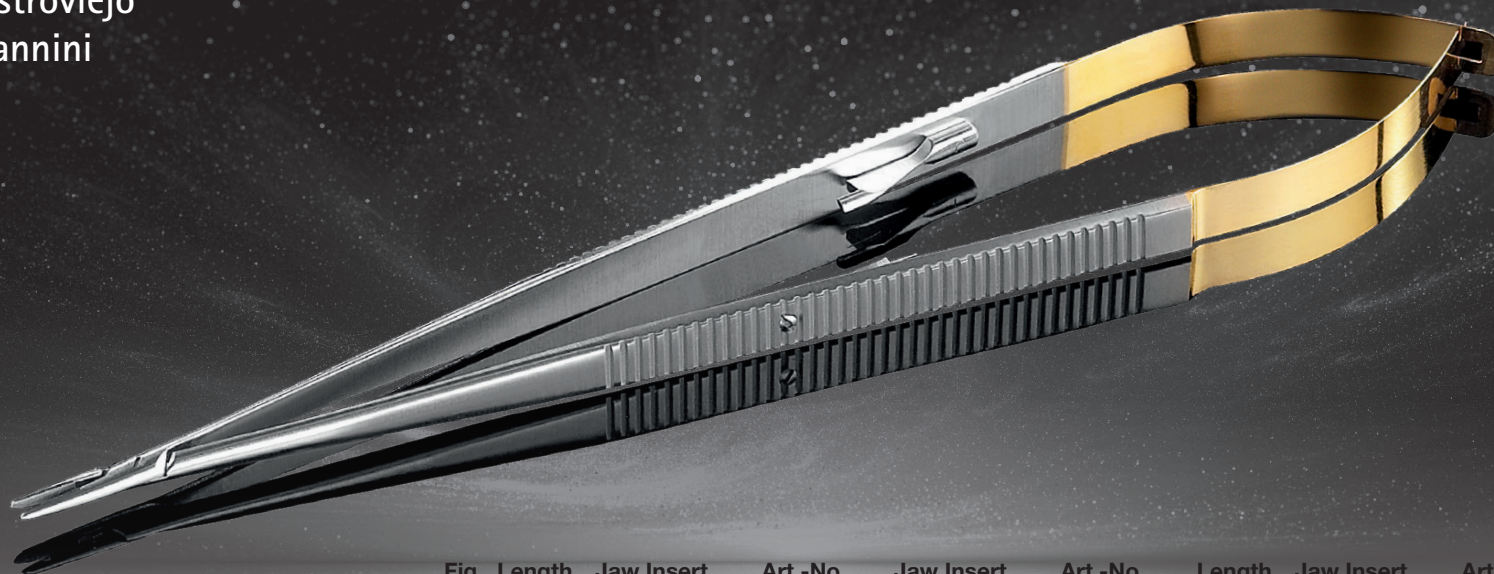


Fig.	Length mm /"	Jaw mm	Art.-No. ①	Art.-No. ①	Art.-No. ②	Fig.	Length mm /"	Jaw mm	Art.-No. ①	Art.-No. ②
Titanium										
A	150/6	0.4	10-3510	–	10-3810	A	210/8¼	0.4	10-3530	10-3830
B	150/6	0.4	10-3515	–	–	B	210/8¼	0.4	10-3535	10-3835
A	150/6	0.8	10-3511	–	–	A	210/8¼	0.8	10-3531	10-3831
B	150/6	0.8	10-3516	–	–	B	210/8¼	0.8	10-3536	10-3836
A	180/7	0.4	10-3520	10-4113	10-3820					
B	180/7	0.4	10-3525	10-4114	10-3825					
A	180/7	0.8	10-3521	10-4110	10-3821					
B	180/7	0.8	10-3526	10-4111	10-3826					



Castroviejo
Giannini

Grasping and Holding – Micro Needle Holders with TC-Inserts



for sutures 5-0 and smaller for sutures 6-0 and smaller



A



B



C

Fig.	Length mm / "	Jaw Insert pitch mm	Art.-No. with ratchet	Jaw Insert pitch mm	Art.-No. with ratchet	Length mm / "	Jaw Insert pitch mm	Art.-No. with ratchet
A	140/5½	Micro TC (0.2)	24-0220	Fine TC (0.4)	24-0240			
B	140/5½	Micro TC (0.2)	24-0221	Fine TC (0.4)	24-0241			
C	140/5½	Micro TC (0.2)	03-0290	–	–			
A	180/7	Micro TC (0.2)	24-0224	Fine TC (0.4)	24-0244			
B	180/7	Micro TC (0.2)	24-0225	Fine TC (0.4)	24-0245			
C	180/7	Micro TC (0.2)	03-0291	–	–			
A	210/8¼	Micro TC (0.2)	24-0228	Fine TC (0.4)	24-0248			
B	210/8¼	Micro TC (0.2)	24-0229	Fine TC (0.4)	24-0249			
C	210/8¼	Micro TC (0.2)	03-0292	–	–			

Giannini long pattern:

240/9½	Micro TC (0.2)	24-0255
–	–	–
–	–	–

Jacobson

for sutures 8-0
and smallerfor sutures 6-0
and smaller

A

B

C

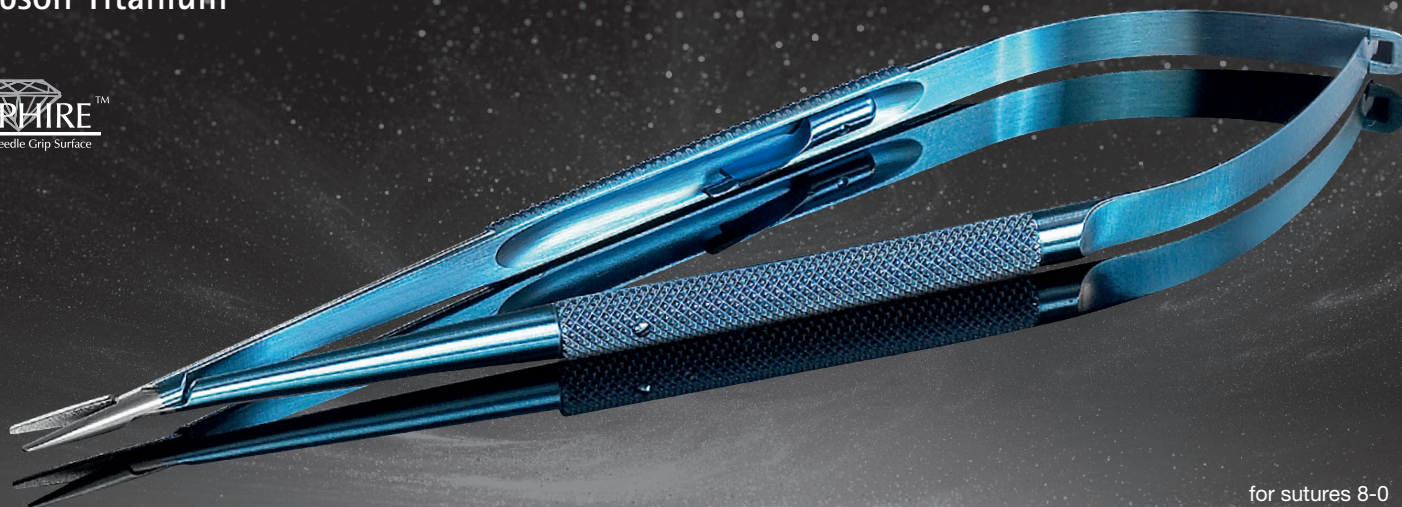
D

Fig.	Jaw mm	Length mm / "	Art.-No. with ratchet	Length mm / "	Art.-No. with ratchet
A	0.3 x 11	180/7	03-0555*	210/8¼	03-0565*
B	0.3 x 11	180/7	03-0556*	210/8¼	03-0566*

Fig.	Jaw mm	Length mm / "	Art.-No. with ratchet	Art.-No. without ratchet	Length mm / "	Art.-No. with ratchet	Art.-No. without ratchet	Length mm / "	Art.-No. with ratchet	Art.-No. without ratchet	Length mm / "	Art.-No. with ratchet	Art.-No. without ratchet	Length mm / "	Art.-No. with ratchet
A	0.4 x 11	150/6	03-0155	03-0150	180/7	03-0175	03-0170	210/8¼	03-0195	03-0190	230/9	03-0215	03-0210	–	–
B	0.4 x 11	150/6	03-0156	03-0151	180/7	03-0176	03-0171	210/8¼	03-0196	03-0191	230/9	03-0216	03-0211	–	–
C	0.8 x 11	150/6	03-0165	03-0160	180/7	03-0185	03-0180	210/8¼	03-0205	03-0200	230/9	03-0225	03-0220	250/10	03-0227
D	0.8 x 11	150/6	03-0166	03-0161	180/7	03-0186	03-0181	210/8¼	03-0206	03-0201	230/9	03-0226	03-0221	250/10	03-0228



Jacobson Titanium



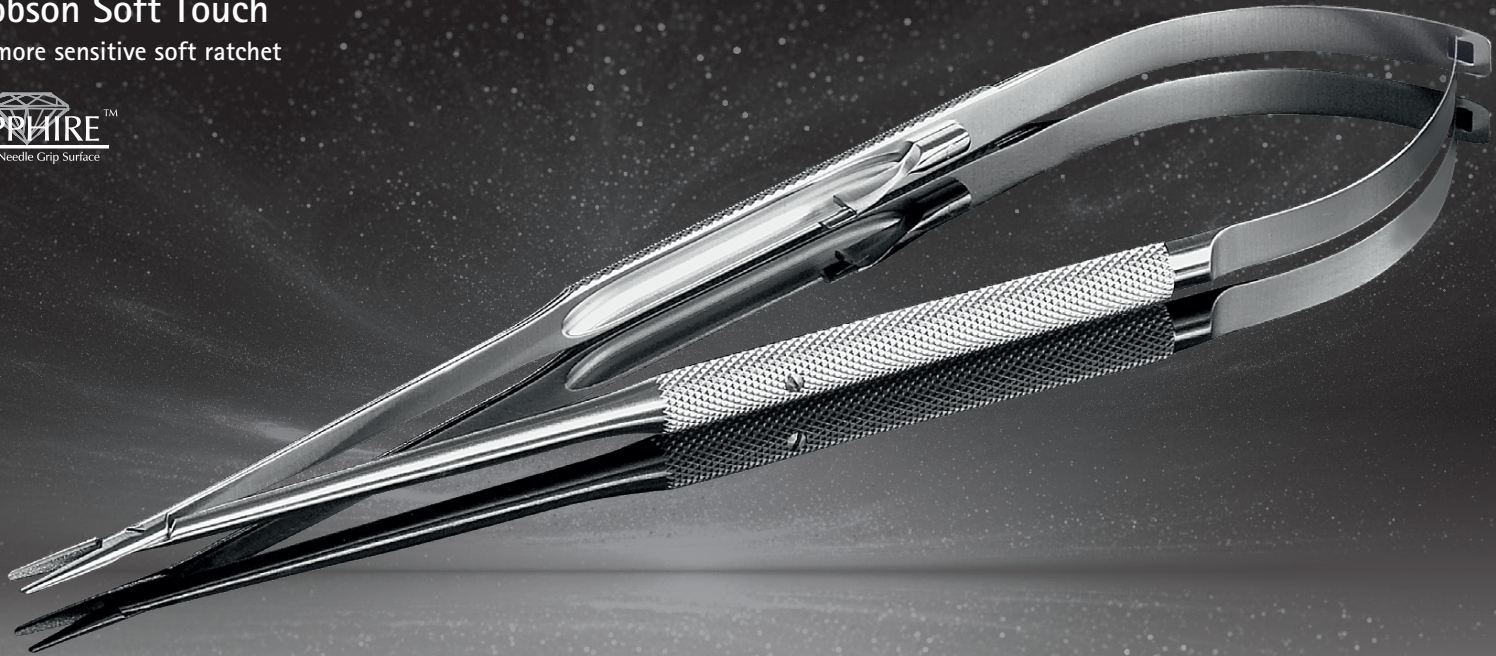
for sutures 8-0 and smaller for sutures 6-0 and smaller



Fig.	Jaw mm	Length mm / "	Art.-No. with ratchet	Art.-No. without ratchet	Length mm / "	Art.-No. with ratchet	Art.-No. without ratchet	Length mm / "	Art.-No. with ratchet	Art.-No. without ratchet	Length mm / "	Art.-No. with ratchet	Art.-No. without ratchet
A	0.4 x 11	150/6	03-4535	03-4530	180/7	03-4555	03-4550	210/8¼	03-4575	03-4570	235/9¼	03-4577	03-4572
B	0.4 x 11	150/6	03-4536	03-4531	180/7	03-4556	03-4551	210/8¼	03-4576	03-4571	235/9¼	03-4578	03-4573
C	0.8 x 11	150/6	03-4545	03-4540	180/7	03-4565	03-4560	210/8¼	03-4585	03-4580	235/9¼	03-4587	03-4582
D	0.8 x 11	150/6	03-4546	03-4541	180/7	03-4566	03-4561	210/8¼	03-4586	03-4581	235/9¼	03-4588	03-4583

Jacobson Soft Touch

with more sensitive soft 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 mm	Art.-No. with ratchet	Length mm/"	Jaw mm	Art.-No. with ratchet
A	180/7	0.4 x 11	03-0502	210/8¼	0.4 x 11	03-0512
B	180/7	0.4 x 11	03-0507	210/8¼	0.4 x 11	03-0517
C	180/7	0.8 x 11	03-0501	210/8¼	0.8 x 11	03-0511
D	180/7	0.8 x 11	03-0506	210/8¼	0.8 x 11	03-0516
E	180/7	1.2 x 11	03-0500	210/8¼	1.2 x 11	03-0510
F	180/7	1.2 x 11	03-0505	210/8¼	1.2 x 11	03-0515



Fairgrip™ ultra Streamline with ratchet

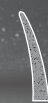
SAPPHIRE™
Enhanced Needle Grip Surface



for sutures 8-0
and smaller

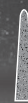


A

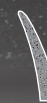


B

for sutures 6-0
and smaller



C

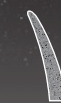


D

for sutures 5-0
and smaller



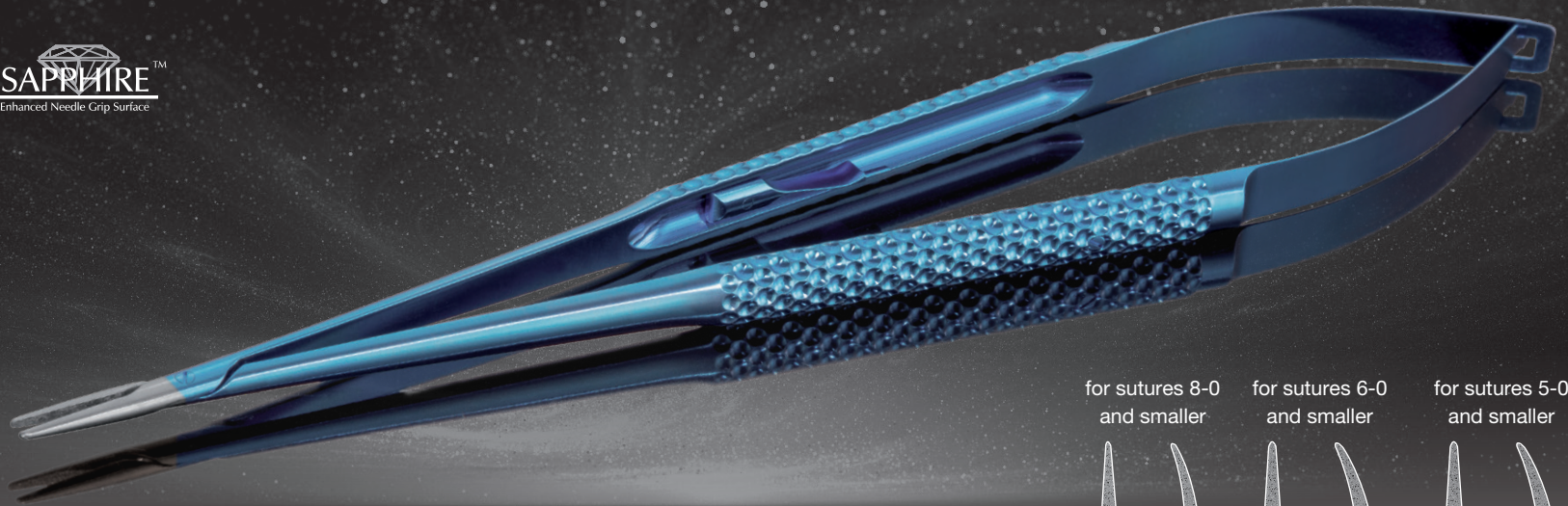
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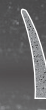
F

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

Fairgrip™ ultra Titanium Streamline

for sutures 8-0
and smaller

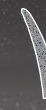
A



B

for sutures 6-0
and smaller

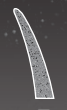
C



D

for sutures 5-0
and smaller

E



F

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



Fairgrip™ ultra Heavy Streamline



for sutures 2-0
and smaller



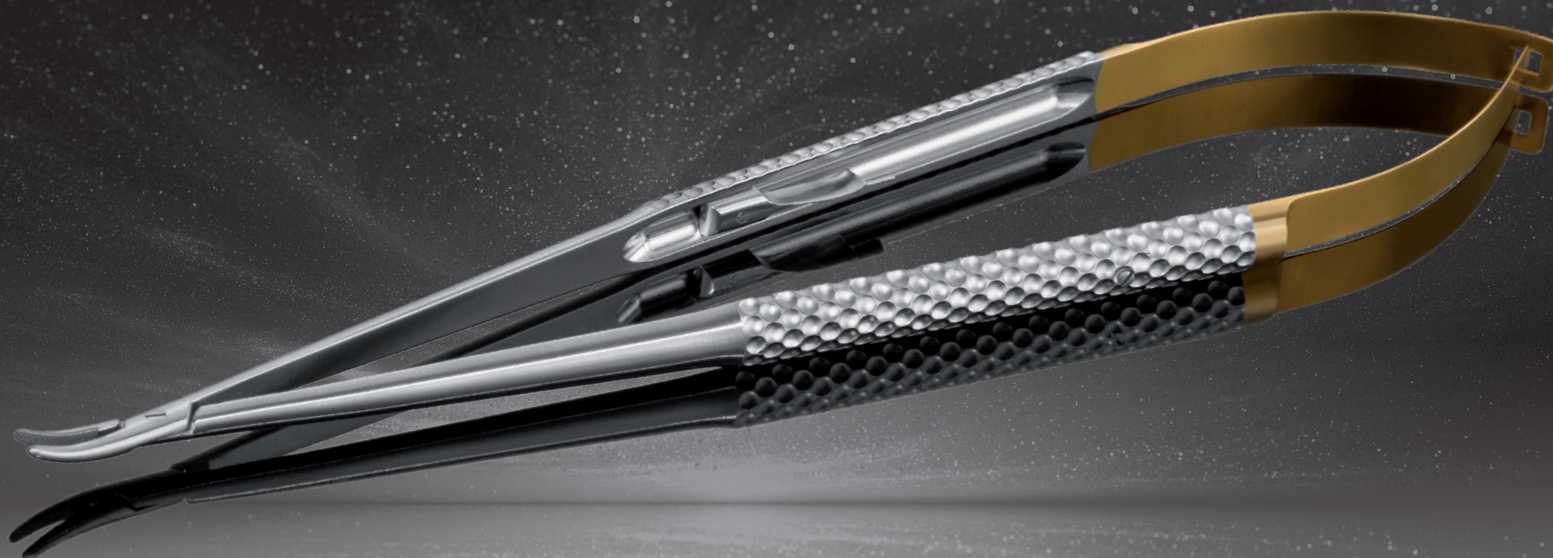
A



B

Fig.	Length mm/"	Jaw mm	Art.-No. with ratchet	Length mm/"	Jaw mm	Art.-No. with ratchet	Length mm/"	Jaw mm	Art.-No. with ratchet
A	190/7½	2.0 x 18	03-0680	230/9	2.0 x 18	03-0682	260/10¼	2.0 x 18	03-0684
B	190/7½	2.0 x 18	03-0681	230/9	2.0 x 18	03-0683	260/10¼	2.0 x 18	03-0685

Fairgrip™ ultra TC Streamline



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



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



Streamline

SAPPHIRE™
Enhanced Needle Grip Surface

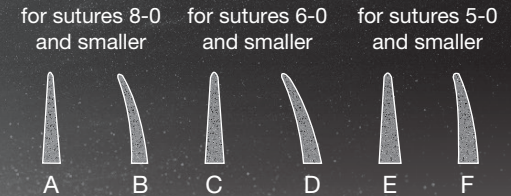


for sutures 5-0 and smaller for sutures 6-0 and smaller for sutures 8-0 and smaller



Fig.	Jaw mm	Length mm/ "	Art.-No. with ratchet	Art.-No. without ratchet	Length mm/ "	Art.-No. with ratchet	Length mm/ "	Art.-No. with ratchet	Art.-No. without ratchet
A	1.2 x 12	180/7	03-0263	03-0263.NC	210/8¼	03-0265	230/9	03-0267	03-0267.NC
B	1.2 x 12	180/7	03-0264	03-0264.NC	210/8¼	03-0266	230/9	03-0268	–
C	0.8 x 12	180/7	03-0263.08	03-0263.08NC	210/8¼	03-0265.08	230/9	03-0267.08	03-0267.08NC
D	0.8 x 12	180/7	03-0264.08	–	210/8¼	03-0266.08	230/9	03-0268.08	–
E	0.4 x 12	180/7	03-0263.04	03-0263.04NC	210/8¼	03-0265.04	230/9	03-0267.04	–
F	0.4 x 12	180/7	03-0264.04	03-0264.04NC	210/8¼	03-0266.04	230/9	03-0268.04	–

 SAPHIRETM
Enhanced Needle Grip Surface

[illegible]



Needle Holder

SAPPHIRE™
Enhanced Needle Grip Surface

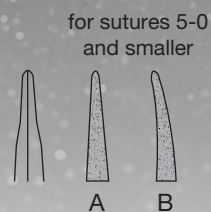
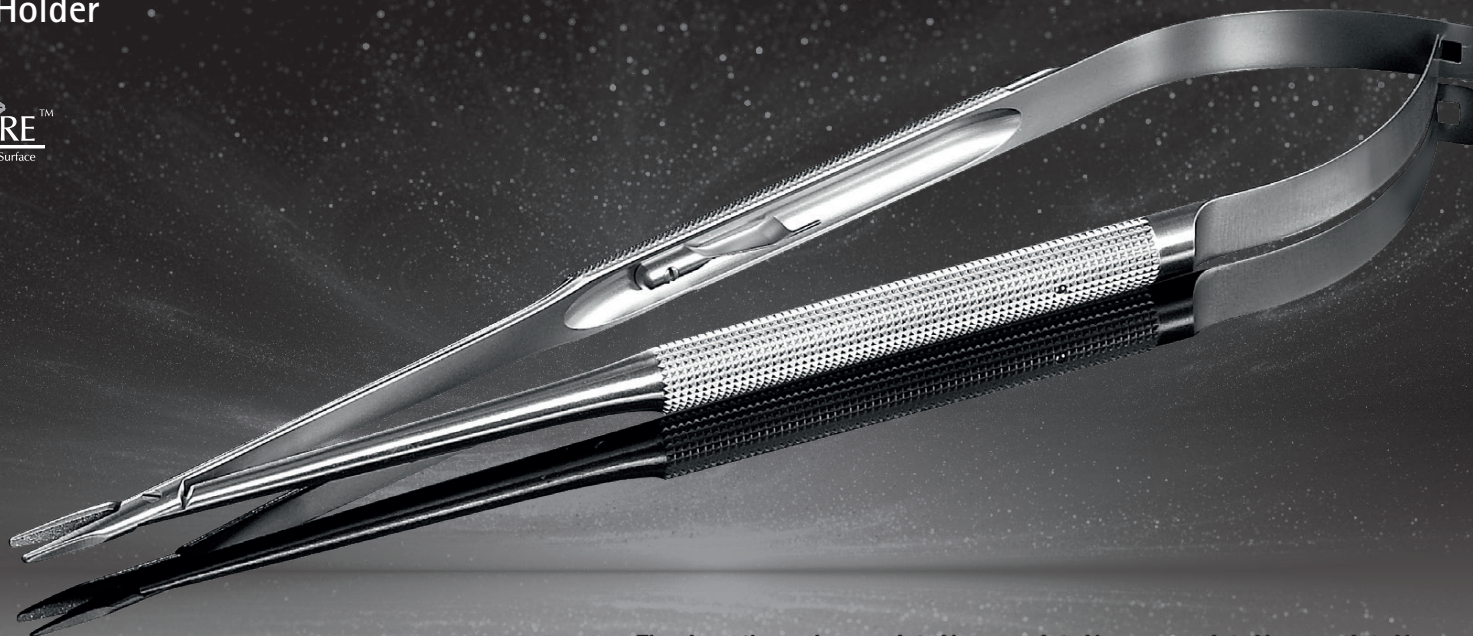


Fig.	Length mm/"	Jaw duckbill mm	Art.-No. with ratchet Steel	Art.-No. without ratchet Steel	Art.-No. with ratchet Titanium	Art.-No. without ratchet Titanium
A	180/7	1.2 x 12	03-0135	03-0130	03-4605	03-4600
B	180/7	1.2 x 12	03-0136	03-0131	03-4606	03-4601
A	210/8¼	1.2 x 12	03-0137	—	03-4615	03-4610
B	210/8¼	1.2 x 12	03-0138	—	03-4616	03-4611
A	230/9	1.2 x 12	03-0137.23	—	—	—
B	230/9	1.2 x 12	03-0138.23	—	—	—

Heavy Streamline

Steel design

Titanium design



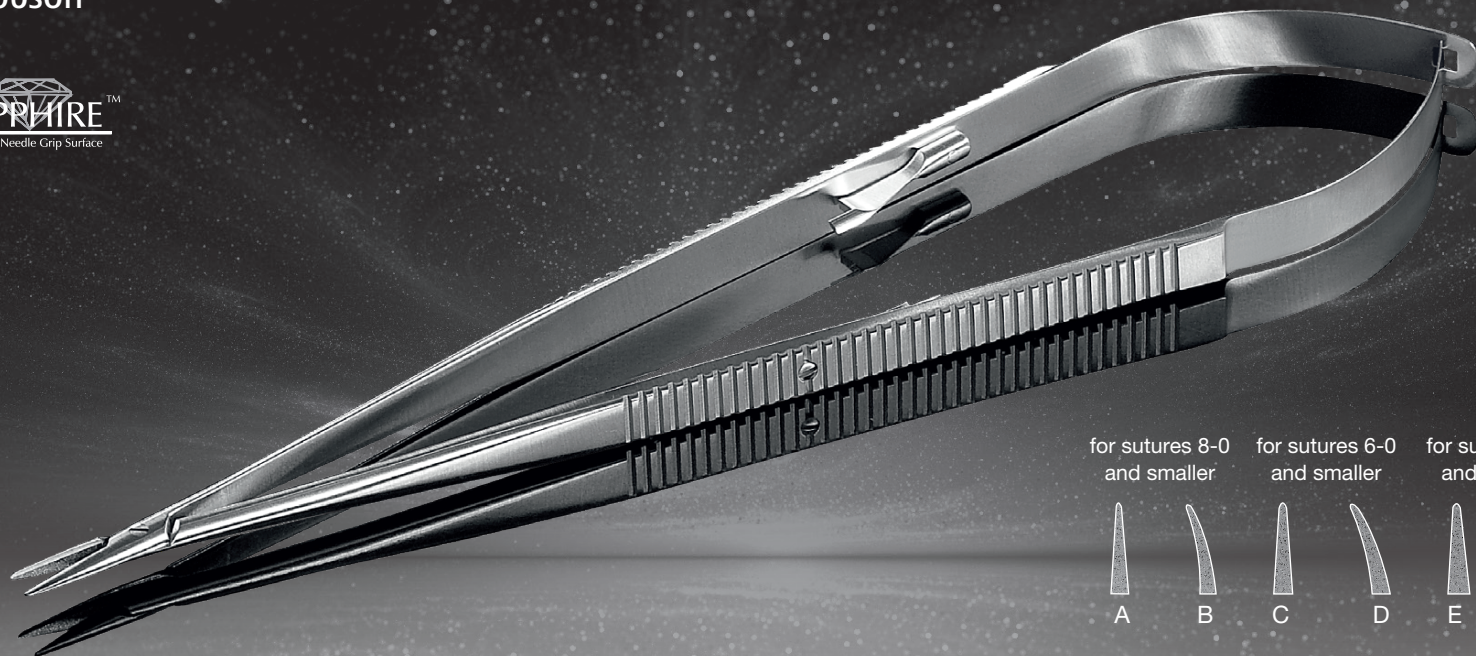
Enhanced Needle Grip Surface
for sutures 2-0
and smaller

Fig.	Length mm /"	Jaw mm	Art.-No. with ratchet Steel	Art.-No. without ratchet	Art.-No. with ratchet Titanium	Art.-No. with ratchet TC-inserts	Jaw Insert with ratchet pitch mm
A	180/7	2.0 x 18	03-0300	03-0300.NC	03-4665	03-0300.TC	Fine TC (0.4) (F)
B	180/7	2.0 x 18	03-0301	–	03-4666	03-0301.TC	Fine TC (0.4) (F)
A	230/9	2.0 x 18	03-0310	03-0310.NC	03-4685	03-0310.TC	Fine TC (0.4) (F)
B	230/9	2.0 x 18	03-0311	–	03-4686	03-0311.TC	Fine TC (0.4) (F)
A	250/10	2.0 x 18	03-0320	03-0320.NC	03-4695	03-0320.TC	Fine TC (0.4) (F)
B	250/10	2.0 x 18	03-0321	–	03-4696	03-0321.TC	Fine TC (0.4) (F)
A	300/12	2.0 x 18	03-0330	03-0330.NC	–	03-0330.TC	Fine TC (0.4) (F)
B	300/12	2.0 x 18	03-0331	–	–	03-0331.TC	Fine TC (0.4) (F)



Jacobson

SAPPHIRE™
Enhanced Needle Grip Surface

for sutures 8-0
and smaller

A

for sutures 6-0
and smaller

B

for sutures 5-0
and smaller

C

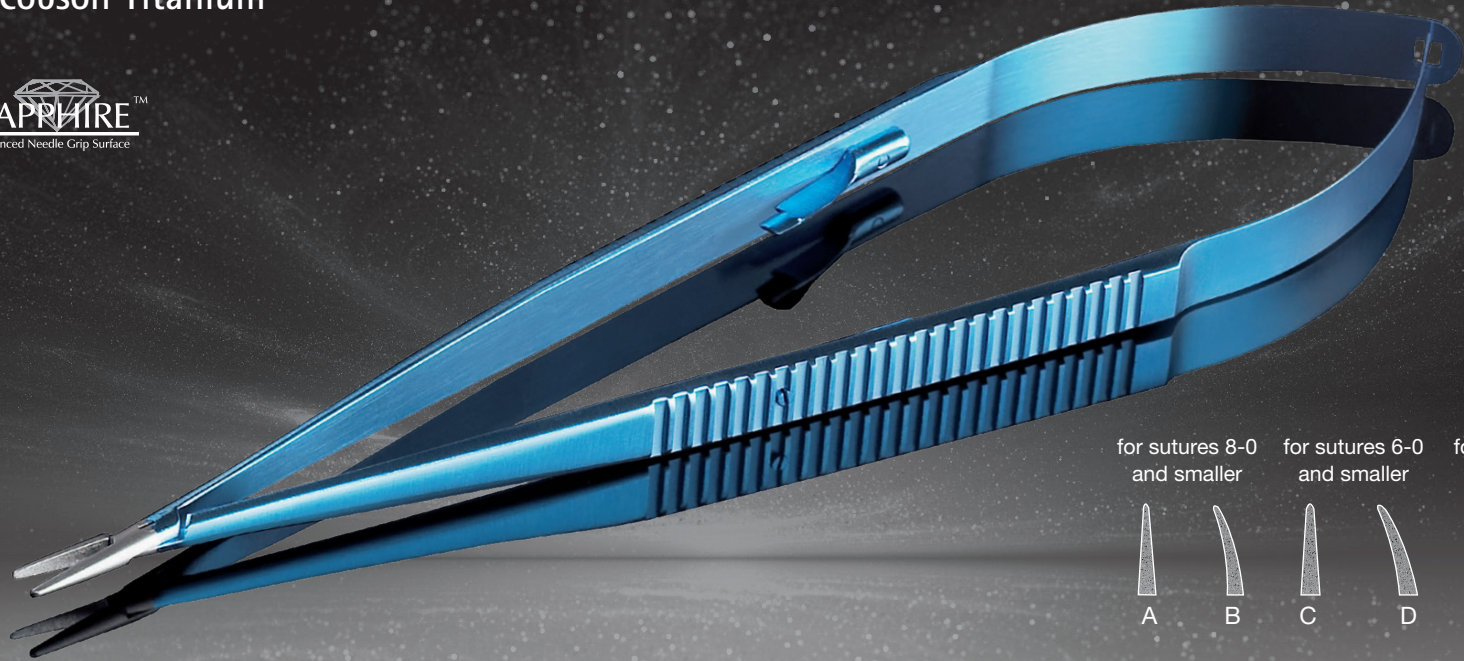
D

E

F

Fig.	Length mm/"	Handle Ø	Jaw mm	Art.-No. with ratchet	Length mm/"	Handle Ø	Jaw mm	Art.-No. with ratchet	Length mm/"	Handle Ø	Jaw mm	Art.-No. with ratchet
A	180/7	Flat	0.4 x 11	03-0230	210/8¼	Flat	0.4 x 11	03-0240	230/9	Flat	0.4 x 11	03-0250
B	180/7	Flat	0.4 x 11	03-0231	210/8¼	Flat	0.4 x 11	03-0241	230/9	Flat	0.4 x 11	03-0251
C	180/7	Flat	0.8 x 11	03-0230.08	210/8¼	Flat	0.8 x 11	03-0240.08	230/9	Flat	0.8 x 11	03-0250.08
D	180/7	Flat	0.8 x 11	03-0231.08	210/8¼	Flat	0.8 x 11	03-0241.08	230/9	Flat	0.8 x 11	03-0251.08
E	180/7	Flat	1.2 x 11	03-0230.12	210/8¼	Flat	1.2 x 11	03-0240.12	230/9	Flat	1.2 x 11	03-0250.12
F	180/7	Flat	1.2 x 11	03-0231.12	210/8¼	Flat	1.2 x 11	03-0241.12	230/9	Flat	1.2 x 11	03-0251.12

Jacobson Titanium

for sutures 8-0
and smaller

A

for sutures 6-0
and smaller

B

C

D

for sutures 5-0
and smaller

E

F

Fig.	Length mm/"	Handle Ø	Jaw mm	Art.-No. with ratchet	Length mm/"	Handle Ø	Jaw mm	Art.-No. with ratchet	Length mm/"	Handle Ø	Jaw mm	Art.-No. with ratchet
A	180/7	Flat	0.4 x 11	03-4590	210/8¼	Flat	0.4 x 11	03-4592	235/9¼	Flat	0.4 x 11	03-4594
B	180/7	Flat	0.4 x 11	03-4591	210/8¼	Flat	0.4 x 11	03-4593	235/9¼	Flat	0.4 x 11	03-4595
C	180/7	Flat	0.8 x 11	03-4590.08	210/8¼	Flat	0.8 x 11	03-4592.08	235/9¼	Flat	0.8 x 11	03-4594.08
D	180/7	Flat	0.8 x 11	03-4591.08	210/8¼	Flat	0.8 x 11	03-4593.08	235/9¼	Flat	0.8 x 11	03-4595.08
E	180/7	Flat	1.2 x 11	03-4590.12	210/8¼	Flat	1.2 x 11	03-4592.12	235/9¼	Flat	1.2 x 11	03-4594.12
F	180/7	Flat	1.2 x 11	03-4591.12	210/8¼	Flat	1.2 x 11	03-4593.12	235/9¼	Flat	1.2 x 11	03-4595.12



Jacobson

flat knurled handle

SAPPHIRE™
Enhanced Needle Grip Surface



for sutures 5-0
and smaller



A



B

for sutures 6-0
and smaller



C

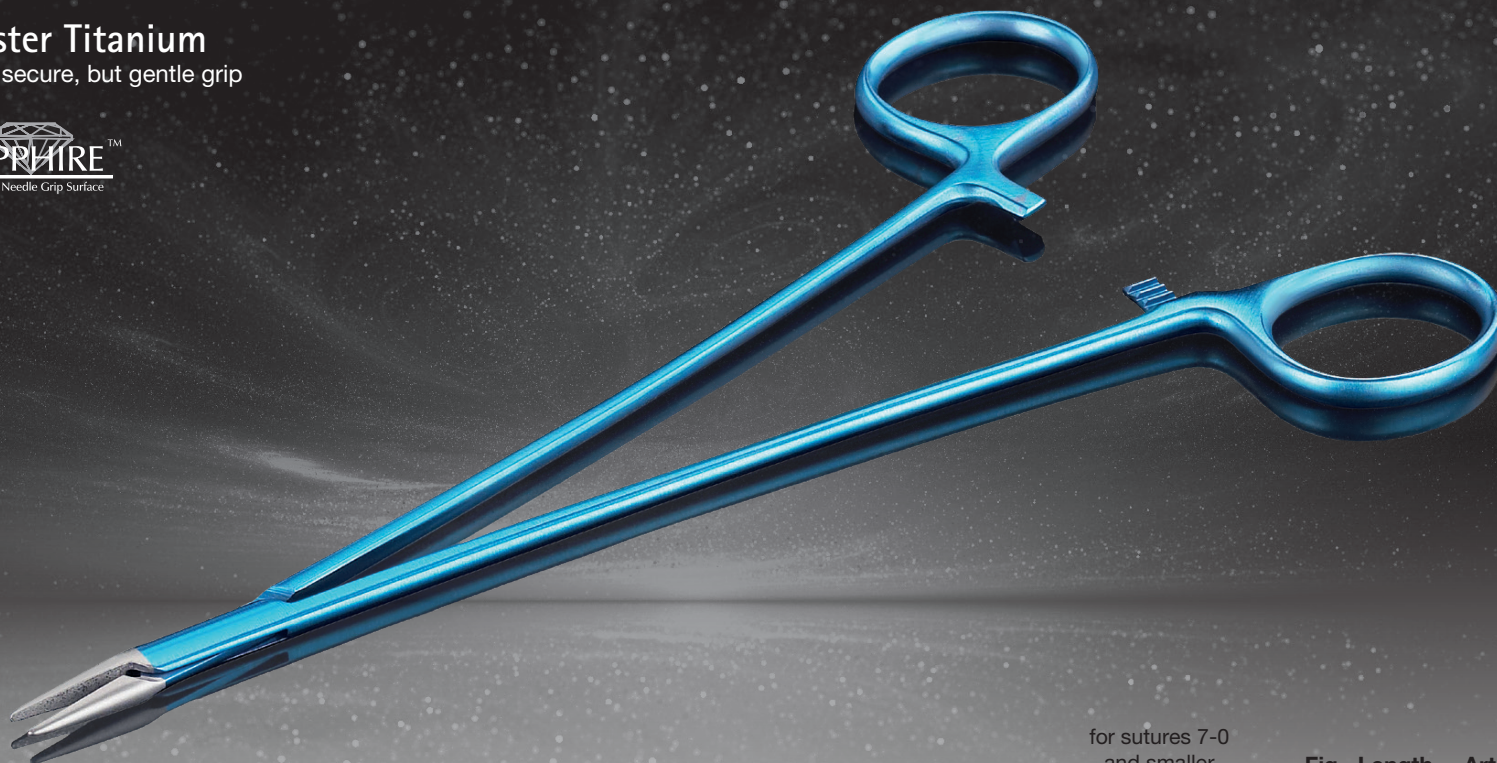


D

Fig.	Length mm/"	Jaw mm	Art.-No. with ratchet	Length mm/"	Jaw mm	Art.-No. with ratchet
A	190/7½	1.2 x 11	03-0255	210/8¼	1.2 x 11	03-0257
B	190/7½	1.2 x 11	03-0256	210/8¼	1.2 x 11	03-0258
C	190/7½	0.8 x 11	03-0255.08	210/8¼	0.8 x 11	03-0257.08
D	190/7½	0.8 x 11	03-0256.08	210/8¼	0.8 x 11	03-0258.08

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For a secure, but gentle grip

for sutures 7-0
and smaller

A

Fig.	Length mm/"	Art.-No.
A	125/4½	24-0530
A	145/5½	24-0532
A	175/6½	24-0534
A	195/7½	24-0536
A	225/8½	24-0538

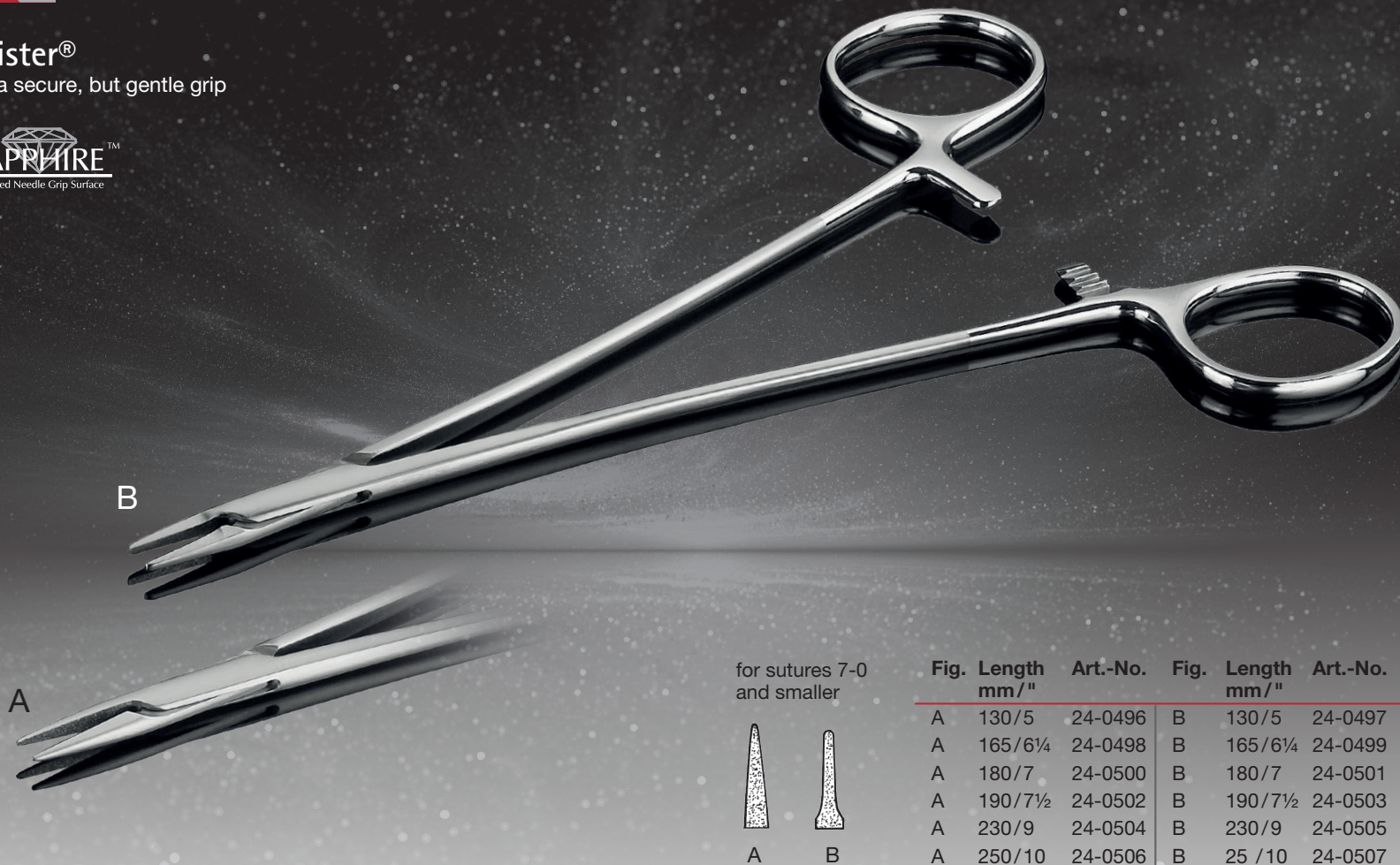


Grasping and Holding – Needle Holders

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SAPPHIRE™
Enhanced Needle Grip Surface



for sutures 7-0
and smaller



A



B

Fig.	Length mm/"	Art.-No.	Fig.	Length mm/"	Art.-No.
A	130/5	24-0496	B	130/5	24-0497
A	165/6¼	24-0498	B	165/6¼	24-0499
A	180/7	24-0500	B	180/7	24-0501
A	190/7½	24-0502	B	190/7½	24-0503
A	230/9	24-0504	B	230/9	24-0505
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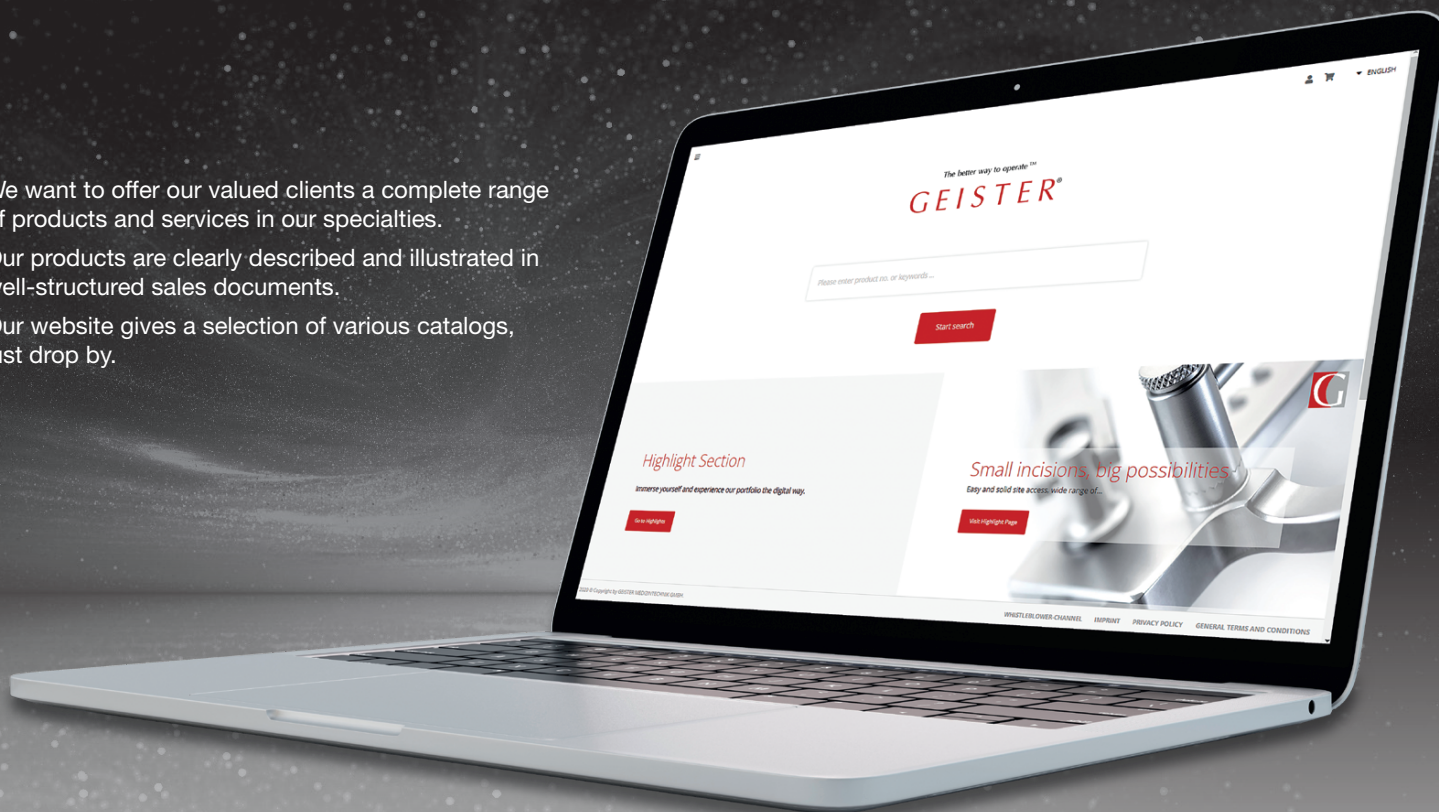
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