

SugitaClip
Titanium II



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Website



Contact Us



Caution

- Prior to product use, carefully read and comprehend the contents of the user manual and product packaging information.
- Inspect the product routinely and thoroughly, in addition to pre- and postoperative examinations.
- For after-sale support, contact your local dealer /distributor.

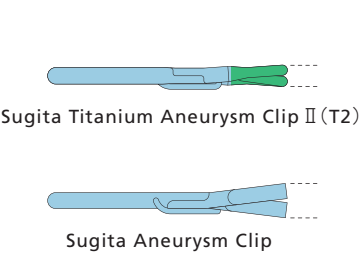
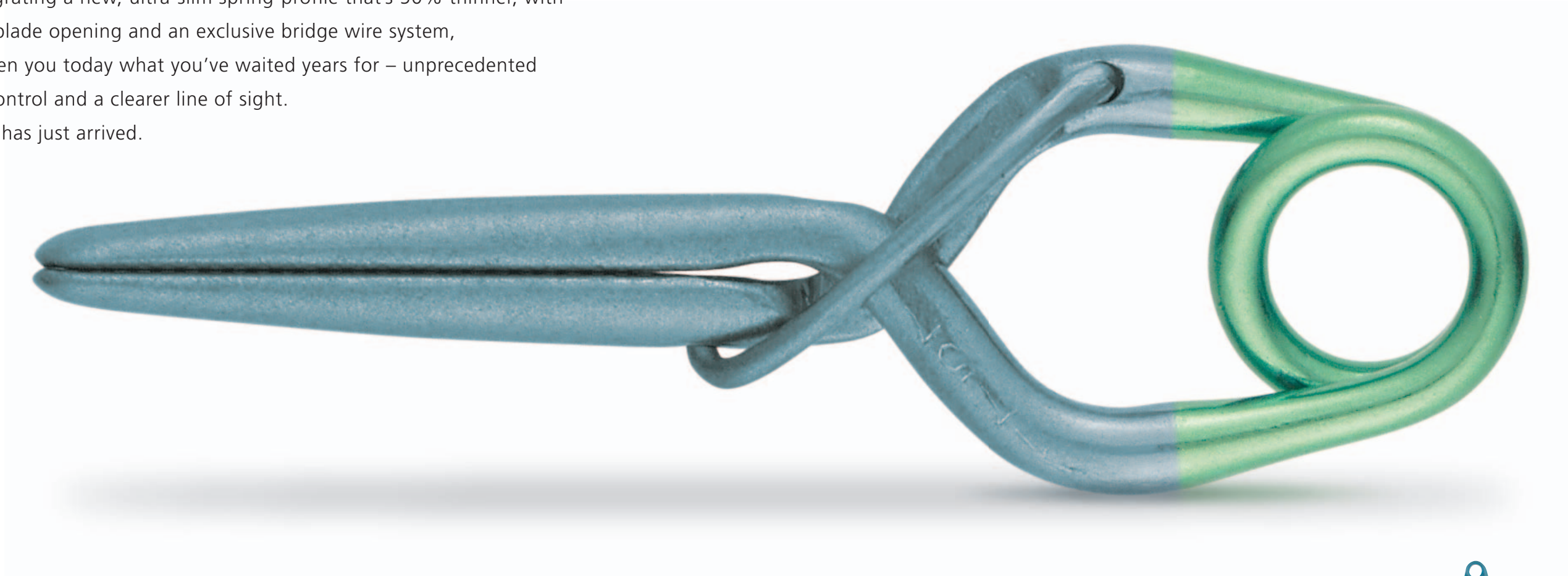
SugitaClip
Titanium II

* Under our policy, ongoing improvements and published specifications may be subject to change without prior notice.
* All published CG photos and illustrations have been from images.
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Sugita Titanium Aneurysm Clip II from Mizuho. Revolutionizing Aneurysm Management, again.

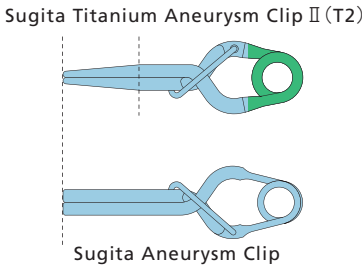


Tomorrow’s aneurysm management is available today – embodied in the new Sugita Titanium Aneurysm Clip II (T2).
T2 isn’t an old design recast in new material but rather a truly innovative advancement, patiently evolved from the industry’s most trusted and acclaimed design. By integrating a new, ultra-slim spring-profile that’s 50% thinner, with today’s widest blade opening and an exclusive bridge wire system, Mizuho has given you today what you’ve waited years for – unprecedented handling and control and a clearer line of sight.
T2 – the future has just arrived.



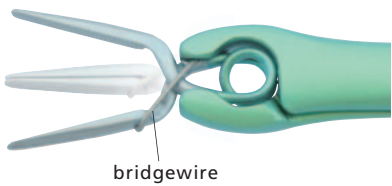
Ultra-Slim Spring

Using cutting-edge technology available exclusively to Mizuho, designers reduced the already ultra-low Sugita spring profile by 50%, giving surgeons unprecedented ease of handling and greater visibility of local anatomy.



Delicately Tapered Blade

A slim blade design with tapered tip allows a smooth approach into deeper, hard-to-reach surgical sites. The finer blade and distal tip contributes to exposure of vital surrounding structures.



Widest Opening Available

The industry’s widest blade opening provides greater freedom of movement when maneuvering the clip over the aneurysm neck, while the exclusive Sugita bridgewire system prevents twisting.



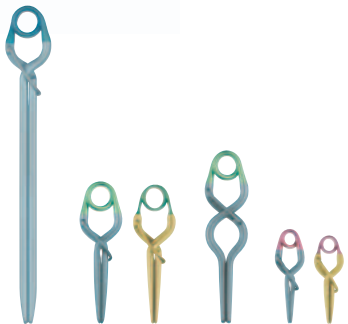
Atraumatic Blade Impact

The channel-shaped pattern uniformly covers the blade’s surface, effectively widening the contact area and improving grip force for a strong, consistent hold. Unique design helps ensure vessel safety by reducing slippage and preserving tissue integrity.



MRI Compatibility

T2’s Titanium alloy offers excellent biological compatibility, durability and wear resistance for permanent implantation. T2 Clips are made of non-ferromagnetic material verified by ASTM F136 / ISO 5832-3. It is confirmed by the ASTM defined test method that they may be used without influence by MRI up to 3 Tesla.



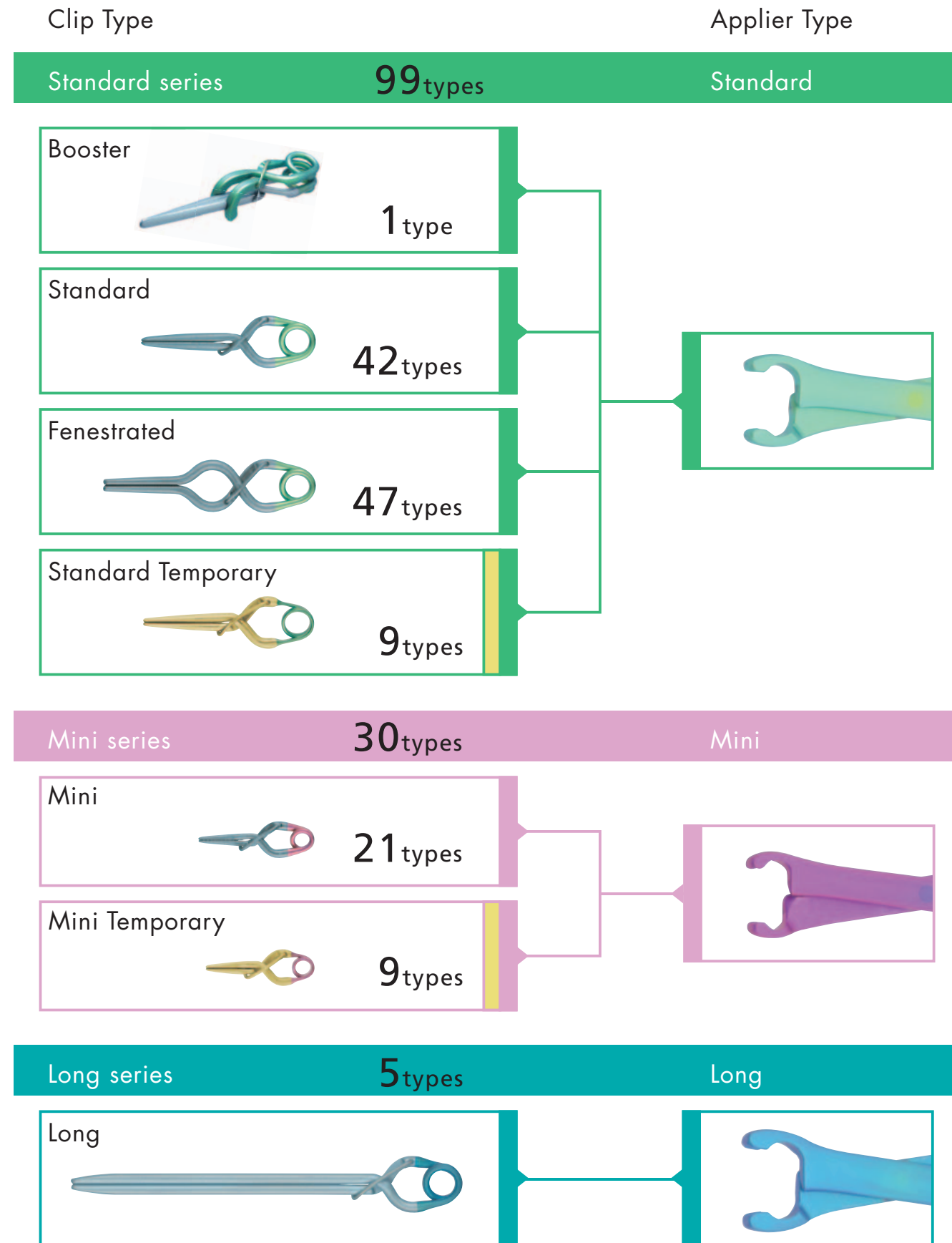
A Clip for Every Need

To facilitate treatment of complex aneurysms, the T2 Clip is available in a wide variety of blade shapes, lengths and angles. Clip-spring colors match appropriate applicators for fast, accurate instrument identification.

Innovative Product Configurations

134 types are available

Clip springs and jaw colors are color coordinated to help accurately match clips with their corresponding applicators/removers.



Sugita Titanium Aneurysm Clip II (T2) Lineup

[illegible]

Tray B 17-010-91

* All Clips are packaged non-sterile.

Tray B				17-010-91				Mini				Standard				Prod. Code				1/1 size			
																Model No.				image din. (mm)			
																Max opening				Closing force (±7.5%)			
17-001-80 No.80 Straight				17-001-95 No.95 Straight Slim				17-001-81 No.81 Straight				17-001-96 No.96 Straight Slim				17-002-15 No.100 Straight							
5.5 (mm) 130 (g) 1.27 (N)				5.5 (mm) 130 (g) 1.27 (N)				7.0 (mm) 130 (g) 1.27 (N)				7.0 (mm) 130 (g) 1.27 (N)				8.0 (mm) 130 (g) 1.27 (N)							
17-001-84 No.84 Bent				17-001-86 No.86 Sideward Curved				17-002-19 No.104 Sideward Bent				17-001-89 No.89 Bayonet				17-002-20 No.105 Bayonet							
7.0 (mm) 130 (g) 1.27 (N)				7.5 (mm) 130 (g) 1.27 (N)				8.5 (mm) 130 (g) 1.27 (N)				8.5 (mm) 130 (g) 1.27 (N)				10.0 (mm) 130 (g) 1.27 (N)							
17-001-85 No.85 Curved				17-001-99 No.99 Curved Slim				17-001-87 No.87 Curved								17-001-98 No.98 Curved Slim							
5.5 (mm) 130 (g) 1.27 (N)				6.5 (mm) 130 (g) 1.27 (N)				6.0 (mm) 130 (g) 1.27 (N)								8.0 (mm) 130 (g) 1.27 (N)							
17-001-83 No.83 Curved				17-002-17 No.102 Slightly Curved				17-002-21 No.106 Curved Slim				17-002-16 No.101 Curved				17-002-18 No.103 Slightly Curved							
6.5 (mm) 130 (g) 1.27 (N)				6.5 (mm) 130 (g) 1.27 (N)				6.5 (mm) 130 (g) 1.27 (N)				7.0 (mm) 130 (g) 1.27 (N)				7.0 (mm) 130 (g) 1.27 (N)							
17-001-97 No.97 Curved Slim				17-001-88 No.88 Curved				17-002-01 No.C01 Crankshaft				17-002-02 No.C02 Crankshaft				17-002-03 No.C03 Crankshaft							
7.0 (mm) 130 (g) 1.27 (N)				7.5 (mm) 130 (g) 1.27 (N)				9.0 (mm) 150 (g) 1.47 (N)				10.0 (mm) 150 (g) 1.47 (N)				10.0 (mm) 150 (g) 1.47 (N)							

Tray C 17-010-92

* All Clips are packaged non-sterile.

Standard			Prod. Code Model No.			1/4 size image din. (mm)		
Max opening			Closing force (±7.5%)					
17-001-01 No.1 Straight			17-001-02 No.2 Straight			17-001-10 No.10 Straight		
8.5(mm) 150 (g) 1.47 (N)			10.5(mm) 150 (g) 1.47 (N)			11.5(mm) 170 (g) 1.67 (N)		
17-001-70 No.70 (19A) Straight			17-001-03 No.3 Bayonet			17-001-13 No.13 Bayonet		
17.0(mm) 170 (g) 1.67 (N)			11.0(mm) 150 (g) 1.47 (N)			13.0(mm) 150 (g) 1.47 (N)		
17-001-04 No.4 Bent			17-001-64 No.64 (4B) Slightly Bent			17-001-12 No.12 Bent		
9.5(mm) 150 (g) 1.47 (N)			10.5(mm) 150 (g) 1.47 (N)			11.0(mm) 170 (g) 1.67 (N)		
17-001-49 No.49 45° Angled			17-001-23 No.23 J-Shaped			17-001-24 No.24 J-Shaped		
12.5(mm) 150 (g) 1.47 (N)			9.0(mm) 150 (g) 1.47 (N)			9.0(mm) 150 (g) 1.47 (N)		
17-001-20 No.20 L-Shaped			17-001-21 No.21 L-Shaped			17-001-22 No.22 L-Shaped		
8.0(mm) 150 (g) 1.47 (N)			8.0(mm) 150 (g) 1.47 (N)			8.0(mm) 150 (g) 1.47 (N)		
17-001-60 No.60 L-Shaped w/Curved			17-001-61 No.61 L-Shaped w/Curved					
8.0(mm) 150 (g) 1.47 (N)			8.0(mm) 150 (g) 1.47 (N)					

Tray D17-010-93

Standard

Long

* All Clips are packaged non-sterile.

17-001-08 No.8 Curved	17-001-68 No.68 (8B) Slightly Curved	17-001-09 No.9 Slightly Curved	17-001-62 No.62 ¼ Curved	17-001-63 No.63 ¼ Curved
9.5 (mm) 150 (g) 1.47 (N)	10.0 (mm) 150 (g) 1.47 (N)	10.0 (mm) 150 (g) 1.47 (N)	9.0 (mm) 150 (g) 1.47 (N)	9.5 (mm) 150 (g) 1.47 (N)
17-001-69 No.69 Curved	17-001-65 No.65 Slightly Curved	17-001-66 No.66 Slightly Curved	17-001-50 No.50 Slightly Curved	17-001-17 No.17 Slightly Curved
9.5 (mm) 150 (g) 1.47 (N)	11.0 (mm) 170 (g) 1.67 (N)	11.0 (mm) 170 (g) 1.67 (N)	13.0 (mm) 170 (g) 1.67 (N)	15.5 (mm) 170 (g) 1.67 (N)
17-001-05 No.5 Sideward Bent	17-001-06 No.6 Sideward Curved	17-001-07 No.7 Sideward Curved Bayonet	17-001-11 No.11 Sideward Bent	
11.0 (mm) 150 (g) 1.47 (N)	10.0 (mm) 150 (g) 1.47 (N)	12.0 (mm) 150 (g) 1.47 (N)	13.5 (mm) 170 (g) 1.67 (N)	
17-001-71 No.71 (19B) Bayonet	17-001-72 No.72 (19C) Straight	17-001-90 No.90 Straight	17-001-91 No.91 Straight	17-001-92 No.92 Straight
19.0 (mm) 170 (g) 1.67 (N)	18.0 (mm) 170 (g) 1.67 (N)	20.5 (mm) 200 (g) 1.96 (N)	23.5 (mm) 200 (g) 1.96 (N)	26.0 (mm) 200 (g) 1.96 (N)

Tray E17-010-94

Standard

* All Clips are packaged non-sterile.

17-006-38 No.144 Straight			17-006-39 No.145 Straight			17-001-26 No.26 Straight			17-001-27 No.27 Straight			17-001-28 No.28 Straight		
9.0 (mm)	150 (g)	1.47 (N)	10.0 (mm)	150 (g)	1.47 (N)	11.0 (mm)	150 (g)	1.47 (N)	13.0 (mm)	150 (g)	1.47 (N)	14.5 (mm)	150 (g)	1.47 (N)
17-006-40 No.146 Straight			17-001-29 No.29 Straight			17-001-30 No.30 Straight			17-001-31 No.31 Straight					
11.0 (mm)	150 (g)	1.47 (N)	12.0 (mm)	150 (g)	1.47 (N)	14.0 (mm)	150 (g)	1.47 (N)	15.5 (mm)	150 (g)	1.47 (N)			
17-006-35 No.141 Bent			17-001-32 No.32 Bent			17-001-33 No.33 Bent			17-001-34 No.34 Bent			17-006-01 No.107 L-Shaped		
8.0 (mm)	150 (g)	1.47 (N)	8.5 (mm)	150 (g)	1.47 (N)	9.0 (mm)	150 (g)	1.47 (N)	10.0 (mm)	150 (g)	1.47 (N)	9.5 (mm)	150 (g)	1.47 (N)
17-006-36 No.142 Bent			17-001-35 No.35 Bent			17-001-36 No.36 Bent			17-001-37 No.37 Bent			17-006-02 No.108 L-Shaped		
9.0 (mm)	150 (g)	1.47 (N)	9.5 (mm)	150 (g)	1.47 (N)	10.0 (mm)	150 (g)	1.47 (N)	11.0 (mm)	150 (g)	1.47 (N)	10.0 (mm)	150 (g)	1.47 (N)
17-001-44 No.44 Bayonet			17-001-45 No.45 Bayonet			17-001-46 No.46 Bayonet						17-006-03 No.109 L-Shaped		
10.5 (mm)	150 (g)	1.47 (N)	12.0 (mm)	150 (g)	1.47 (N)	13.5 (mm)	150 (g)	1.47 (N)				11.0 (mm)	150 (g)	1.47 (N)

Tray F 17-010-95

* All Clips are packaged non-sterile.

17-006-43 No.149 L-Shaped	17-001-38 No.38 L-Shaped	17-001-39 No.39 L-Shaped	17-001-40 No.40 L-Shaped	
7.5 (mm) 150 (g) 1.47 (N)	7.5 (mm) 150 (g) 1.47 (N)	7.5 (mm) 150 (g) 1.47 (N)	7.5 (mm) 150 (g) 1.47 (N)	
17-006-37 No.143 L-Shaped	17-001-41 No.41 L-Shaped	17-001-42 No.42 L-Shaped	17-001-43 No.43 L-Shaped	17-001-79 No.79 L-Shaped Curved to R
8.5 (mm) 150 (g) 1.47 (N)	8.5 (mm) 150 (g) 1.47 (N)	8.5 (mm) 150 (g) 1.47 (N)	8.5 (mm) 150 (g) 1.47 (N)	8.5 (mm) 150 (g) 1.47 (N)
17-001-74 No.74 L-Shaped Curved to L	17-001-75 No.75 L-Shaped Curved to L	17-001-76 No.76 L-Shaped Curved to L	17-001-77 No.77 L-Shaped Curved to R	17-001-78 No.78 L-Shaped Curved to R
8.5 (mm) 150 (g) 1.47 (N)	8.5 (mm) 150 (g) 1.47 (N)	8.5 (mm) 150 (g) 1.47 (N)	8.5 (mm) 150 (g) 1.47 (N)	8.5 (mm) 150 (g) 1.47 (N)
17-002-04 No.F01 Straight Angled	17-002-05 No.F02 Straight Angled	17-002-07 No.F06 Bent Angled to R	17-002-08 No.F07 Bent Angled to R	17-002-09 No.F08 Bent Angled to L
11.0 (mm) 150 (g) 1.47 (N)	12.0 (mm) 150 (g) 1.47 (N)	9.0 (mm) 150 (g) 1.47 (N)	10.0 (mm) 150 (g) 1.47 (N)	9.0 (mm) 150 (g) 1.47 (N)
17-002-10 No.F09 Bent Angled to L	17-002-11 No.F11 L-Shaped Angled to R	17-002-12 No.F12 L-Shaped Angled to R	17-002-13 No.F13 L-Shaped Angled to L	17-002-14 No.F14 L-Shaped Angled to L
10.0 (mm) 150 (g) 1.47 (N)	8.0 (mm) 150 (g) 1.47 (N)	8.0 (mm) 150 (g) 1.47 (N)	8.0 (mm) 150 (g) 1.47 (N)	8.0 (mm) 150 (g) 1.47 (N)

Tray G 17-010-96

* All Clips are packaged non-sterile.

17-006-27 No.133 Straight	17-006-28 No.134 Straight	17-001-56 No.56 Straight	17-001-58 No.58 Straight Slim	17-006-29 No.135 Straight
6.0 (mm) 70 (g) 0.69 (N)	6.5 (mm) 70 (g) 0.69 (N)	7.0 (mm) 70 (g) 0.69 (N)	7.0 (mm) 70 (g) 0.69 (N)	7.5 (mm) 70 (g) 0.69 (N)
17-006-30 No.136 Straight	17-006-23 No.129 Straight	17-006-24 No.130 Straight	17-001-57 No.57 Bent	
8.0 (mm) 70 (g) 0.69 (N)	9.5 (mm) 70 (g) 0.69 (N)	12.5 (mm) 70 (g) 0.69 (N)	7.0 (mm) 70 (g) 0.69 (N)	
17-001-51 No.51 Straight	17-001-52 No.52 Straight	17-006-31 No.137 Straight	17-006-32 No.138 Straight	17-006-33 No.139 Straight
9.0 (mm) 70 (g) 0.69 (N)	10.5 (mm) 70 (g) 0.69 (N)	12.0 (mm) 70 (g) 0.69 (N)	13.5 (mm) 70 (g) 0.69 (N)	16.5 (mm) 70 (g) 0.69 (N)
17-001-53 No.53 Bayonet	17-001-54 No.54 Bent	17-001-55 No.55 Slightly Curved	17-006-34 No.140 Slightly Curved	
11.5 (mm) 70 (g) 0.69 (N)	9.5 (mm) 70 (g) 0.69 (N)	11.0 (mm) 70 (g) 0.69 (N)	13.0 (mm) 70 (g) 0.69 (N)	
17-002-00 No.Booster Curved				
7.0 (mm) 280 (g) 2.75 (N)				

Booster Clip is suitable for below numbers.
Clip No. 1 2 5 6 9 10 11 15 17 18 20 21 22 23 24 25 47 48 49 50 60 61 62 63 65 66 69 70 73 C01 C02 C03

Tray H

17-010-97

Customizable



Tray I

17-010-98

Customizable

for Long clip



Tray J

17-010-99

Temporary clip
from 51 to 58



Quality You Expect. Safety You Can Trust.

Every Sugita Aneurysm Clip, including the new T2, embodies Mizuho’s never-ending commitment to product quality and patient safety. From development and manufacturing through inspection and logistics, clips undergo stringent monitoring and control to assure optimal reliability and performance.

Individual Lot Numbers (A)

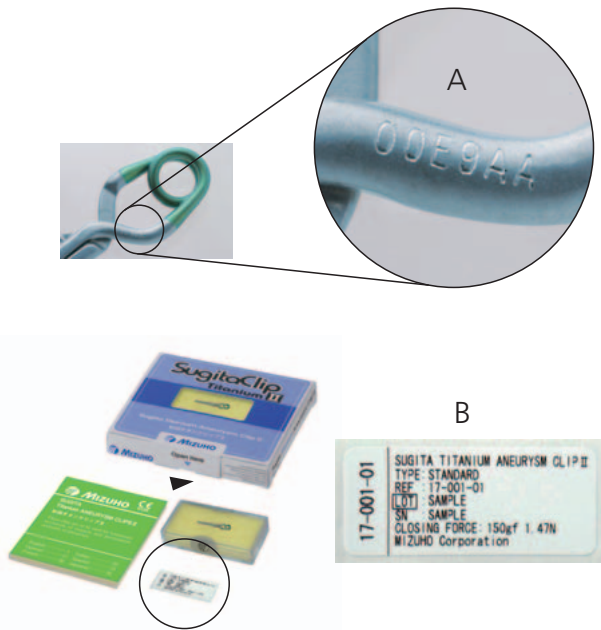
Lot numbers, laser etched on each clip, permit long-term traceability throughout the treatment period, and enable detailed clip data to be easily obtained, should the need arise.

Specification labeling (B)

Every clip label lists individual specifications plus clip closing force. Sugita is the first clip brand to indicate closing force on individual packages. 4 labels are provided in each clip package. Please attach labels on the patient record and clip user card.

Clip User Card for Patient Support after Surgery

Please fill in clip information in the Clip User Card and give to the patient. This will ensure that the correct information is given to the surgeons when patients have an examination or reoperation.



Clip User Card

利用カード
Patient Identification Card
SUGITA Aneurysm Clips

製造販売元：
三式株式会社
〒113-0033 東京都文京区本郷3-30-13
TEL : 03-3815-3096
FAX : 03-3815-5068
E-mail: sugitacip@mizuho.co.jp

Manufacturer:
MIZUHO Corporation
3-30-13 Hongo, Bunkyo-ku
Tokyo 113-0033, Japan
Phone : +81-3-3815-3096
Fax : +81-3-3815-5068
E-mail: sugitacip@mizuho.co.jp

MR Conditional

MR safety Information

Non-ferrous testing demonstrated that the Sugita Aneurysm Clips and Sugita Titanium Aneurysm Clips are MR Conditional. A patient with this device can be scanned safely in an MR system under the following conditions:

- Static magnetic field of 1.5T or 3T or 7T or 9.4T, only
- Maximum spatial gradient magnetic field of 1.000Gauss/cm (10G/cm) for Sugita Aneurysm Clips
- Maximum RF system reported whole body averaged specific absorption rate (SAR) of 2.0W/kg for 10 minutes of scanning (i.e., per pulse sequence) in the Normal Operating Mode
- Maximum RF system reported whole body averaged specific absorption rate (SAR) of 2.0W/kg for 10 minutes of scanning (i.e., per pulse sequence) in the Normal Operating Mode

Under the scan conditions defined, repeated to produce a maximum temperature rise of 0.5°C for Sugita Aneurysm Clips, 0.5°C for Sugita Titanium Aneurysm Clips after 10 minutes of continuous scanning (i.e., per pulse sequence).

In vivo testing: The image artifact caused by the Sugita Aneurysm Clips device appearing on Scan from Sugita Aneurysm Clips, Scan from Sugita Titanium Aneurysm Clips when imaged using a gradient echo pulse sequence and a 3D MR system.

NOTE: Do not use Sugita Clips together into the MR environment. This device contains material which has been determined to be MR Unsafe.

Clip User Card

手術実施医療機関 Hospital Information

施設名 Hospital

住所 Address

電話番号 Phone

主治医氏名 Surgeon name

手術日 Surgery date

年 月 日
year month day

カルテ番号 Patient medical record number

MIZUHO Corporation

MR検査に関する情報

MR Conditional

MR safety Information

Non-ferrous testing demonstrated that the Sugita Aneurysm Clips and Sugita Titanium Aneurysm Clips are MR Conditional. A patient with this device can be scanned safely in an MR system under the following conditions:

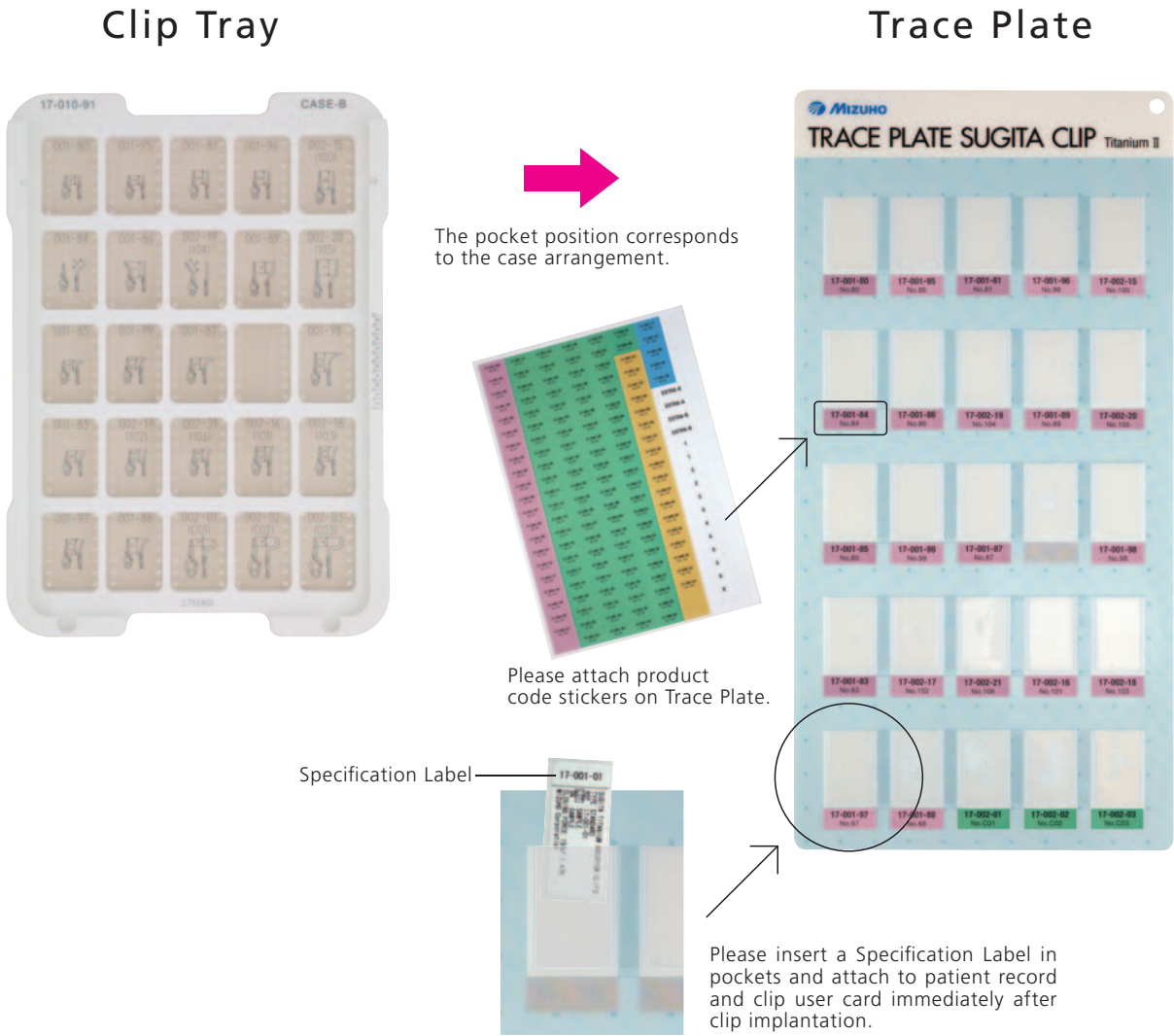
- Static magnetic field of 1.5T or 3T or 7T or 9.4T, only
- Maximum spatial gradient magnetic field of 1.000Gauss/cm (10G/cm) for Sugita Aneurysm Clips
- Maximum RF system reported whole body averaged specific absorption rate (SAR) of 2.0W/kg for 10 minutes of scanning (i.e., per pulse sequence) in the Normal Operating Mode
- Maximum RF system reported whole body averaged specific absorption rate (SAR) of 2.0W/kg for 10 minutes of scanning (i.e., per pulse sequence) in the Normal Operating Mode

Under the scan conditions defined, repeated to produce a maximum temperature rise of 0.5°C for Sugita Aneurysm Clips, 0.5°C for Sugita Titanium Aneurysm Clips after 10 minutes of continuous scanning (i.e., per pulse sequence).

In vivo testing: The image artifact caused by the Sugita Aneurysm Clips device appearing on Scan from Sugita Aneurysm Clips, Scan from Sugita Titanium Aneurysm Clips when imaged using a gradient echo pulse sequence and a 3D MR system.

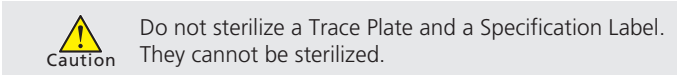
NOTE: Do not use Sugita Clips together into the MR environment. This device contains material which has been determined to be MR Unsafe.

Trace Plate Instruction Manual

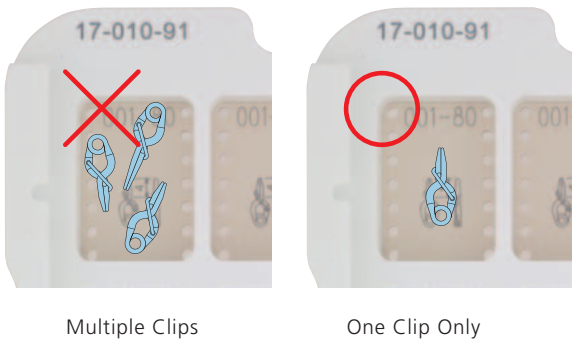


Control Method

- Be sure to place only one clip in each numbered compartment in the case. (Do not put multiple clips in a compartment.) Multiple clips may cause difficulty with identifying which lot number you applied.
- Be sure to keep and maintain a Specification Label attached to each individual clip.
- A Trace Plate is attached to each style of case.
 - 1.. A pocket for a Specification Label is laid out with the same arrangement as each numbered compartment of the case.
 - 2.. Be careful not to put in or take out an incorrect label.

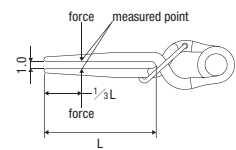
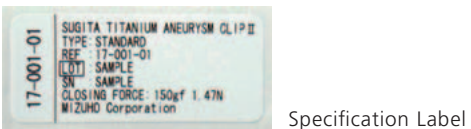


- 3.. After you applied the clip, make sure to take a Specification Label with the same number applicable to the clip and affix it on the medical record, or input the necessary information into the computer.
- 4.. Please insert a Specification Label in the proper pocket upon replenishment of the clips.



Product Package

- Sugita Clips are packaged Non-Sterile. Make sure to sterilize before each use.
- Product information including a product lot number, closing force, etc. is described on the outer box.
- A handling manual and four pieces of Specification label describing the lot number and closing force are enclosed in the box.



Method of measuring the closing force shall be in accordance with <ISO 9713>.

Closing Force – In accordance with ISO 9713, closing force is measured by opening the clip 1.0 mm. A computerized gauge meter measures force 1/3 blade length from the distal tip. Results are indicated on the clip label in both Newtons and grams.

Instruments

Clip Appliers

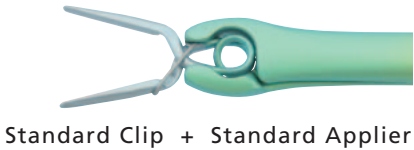


Color Coded for Safety.

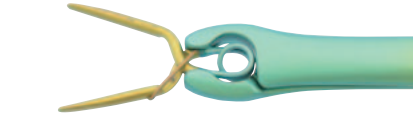
Coordinating the applier's jaw with the color of the clip spring, the correct applier/clip combination can be verified at a glance, ensuring proper instrument selection during surgery.



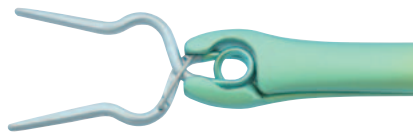
Sugita Titanium Clip II Applier Standard



Standard Clip + Standard Applier



Standard Temporary Clip + Standard Applier



Fenestrated Clip + Standard Applier



Sugita Titanium Clip II Applier Mini



Mini Clip + Mini Applier



Mini Temporary Clip + Mini Applier

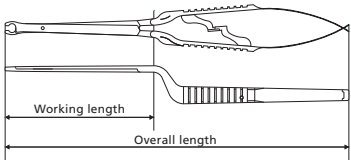


Sugita Titanium Clip II Applier Long



Long Clip + Long Applier

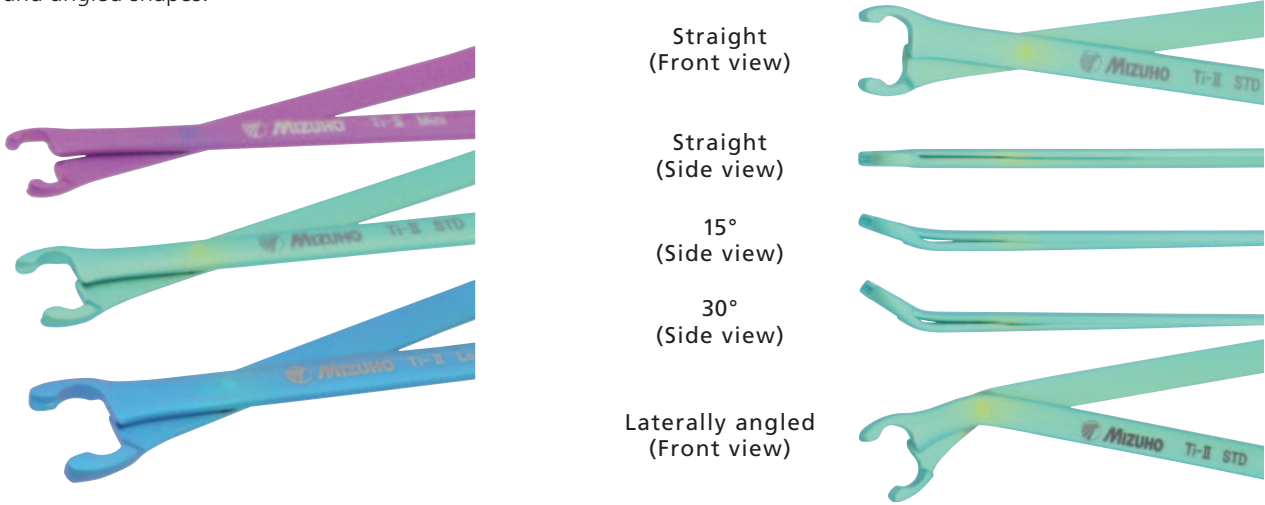
Instruments Spec



Effective length of appliers
This is the length from the clip holder tip.

Diverse Instrument Selection

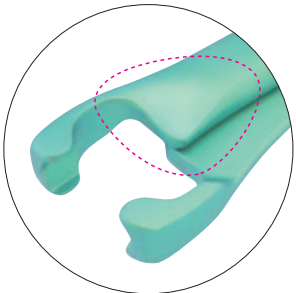
Mizuho offers a full variety of appliers to complement T2 Clips. There are Short (70 mm), Standard (90 mm), and Long (110 mm) lengths available, as well as straight and angled shapes.



Product Code	Product Name	Overall length	Working length
1 7 - 0 1 2 - 5 1	Sugita Titanium Clip II Applier, Straight 70mm for Standard Clips	190mm	70mm
1 7 - 0 1 2 - 5 2	Sugita Titanium Clip II Applier, Straight 90mm for Standard Clips	210mm	90mm
1 7 - 0 1 2 - 5 3	Sugita Titanium Clip II Applier, Straight 110mm for Standard Clips	240mm	110mm
1 7 - 0 1 2 - 5 4	Sugita Titanium Clip II Applier, 15° Angled for Standard Clips	210mm	90mm
1 7 - 0 1 2 - 5 5	Sugita Titanium Clip II Applier, 30° Angled for Standard Clips	210mm	90mm
1 7 - 0 1 2 - 5 8	Sugita Titanium Clip II Applier, Sideward Angled for Standard Clips	230mm	-
1 7 - 0 1 3 - 5 1	Sugita Titanium Clip II Applier, Straight 70mm for Mini Clips	190mm	70mm
1 7 - 0 1 3 - 5 2	Sugita Titanium Clip II Applier, Straight 90mm for Mini Clips	210mm	90mm
1 7 - 0 1 3 - 5 3	Sugita Titanium Clip II Applier, Straight 110mm for Mini Clips	240mm	110mm
1 7 - 0 1 3 - 5 4	Sugita Titanium Clip II Applier, 15° Angled for Mini Clips	210mm	90mm
1 7 - 0 1 3 - 5 5	Sugita Titanium Clip II Applier, 30° Angled for Mini Clips	210mm	90mm
1 7 - 0 1 3 - 5 8	Sugita Titanium Clip II Applier, Sideward Angled for Mini Clips	230mm	-
1 7 - 0 1 4 - 5 2	Sugita Titanium Clip II Applier, Straight 90mm for Long Clips	210mm	90mm
1 7 - 0 1 4 - 5 4	Sugita Titanium Clip II Applier, 15° Angled for Long Clips	210mm	90mm

Clip Removers

Wide and Large Jaw
Easy to clamp clip when re-positioning and removing.



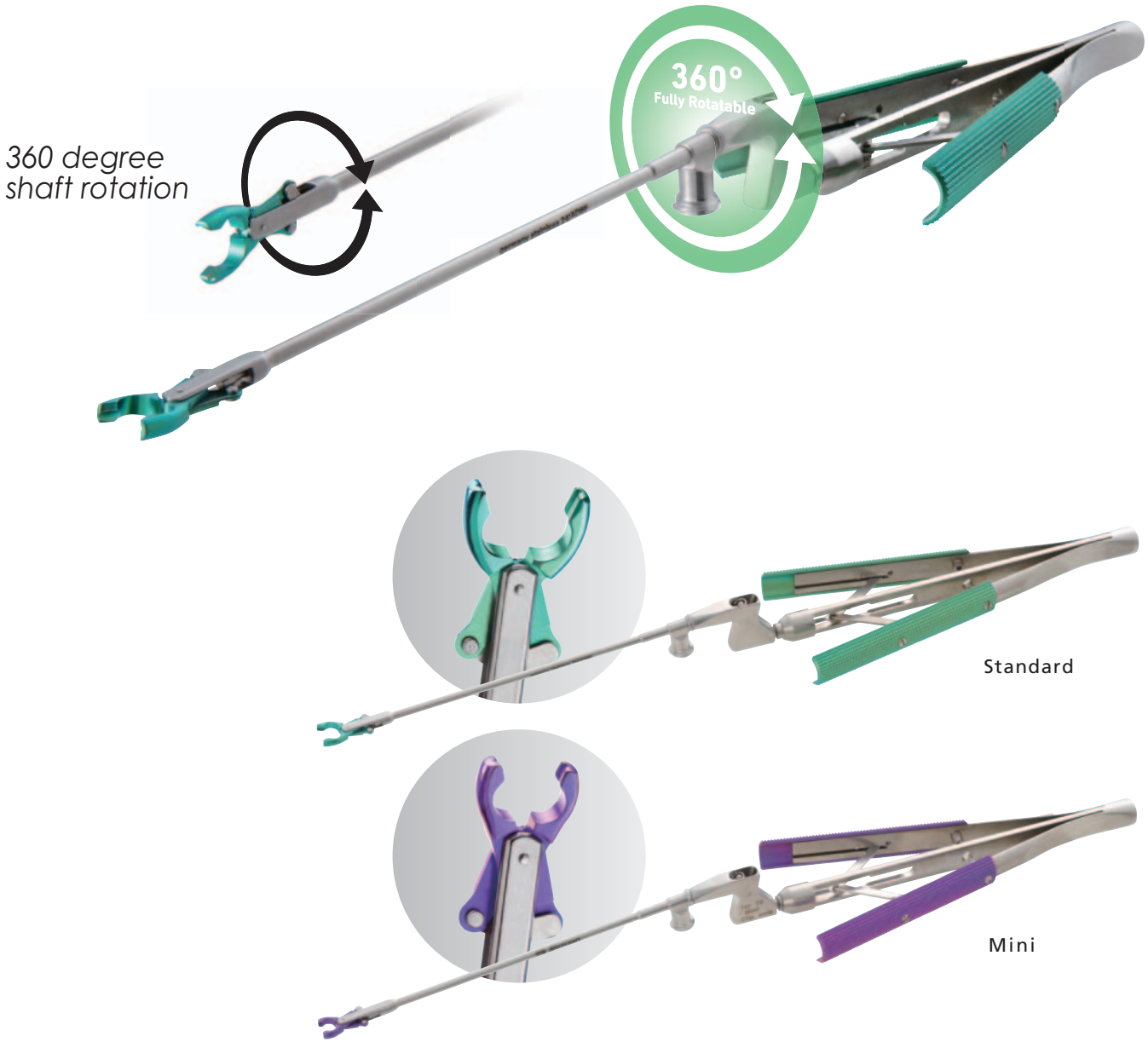
Tapered surface to have better surgical view

Product Code	Product Name	Overall length	Working length
1 7 - 0 1 2 - 5 6	Sugita Titanium Clip II Remover, Straight for Standard Clips	210mm	90mm
1 7 - 0 1 2 - 5 7	Sugita Titanium Clip II Remover, 30° Angled for Standard Clips		
1 7 - 0 1 3 - 5 6	Sugita Titanium Clip II Remover, Straight for Mini Clips		
1 7 - 0 1 3 - 5 7	Sugita Titanium Clip II Remover, 30° Angled for Mini Clips		
1 7 - 0 1 4 - 5 6	Sugita Titanium Clip II Remover, Straight for Long Clips		

Instruments

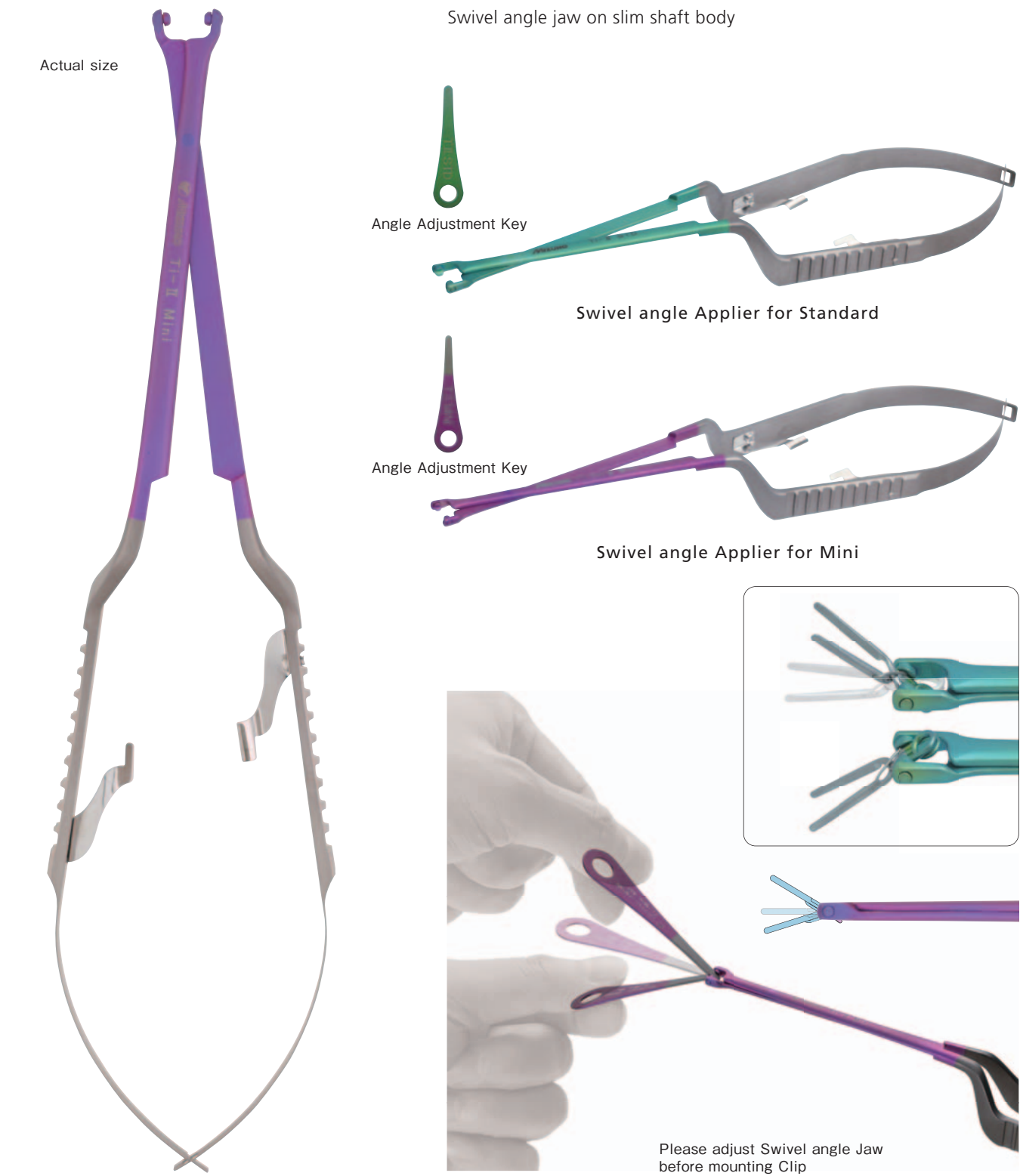
Single Shaft Clip Appliers

- Single shaft, low profile appliers designed for microsurgical, keyhole, and endoscopic aneurysm clippings.
- 360 degree shaft rotation with straight and 30 degree tip angulations allows for improved clipping access
 - 50, 90, and 110mm active lengths for a variety of anterior and posterior circulation and endoscopic approaches
 - Complete opening of the clips without sacrifice of the low profile nature of the appliers
 - Color of the appliers’ tips and handles specifically designed for easy identification with Sugita TII standard and mini clips
 - Flush port facilitates improved cleaning



Product Code	Product Name	Overall length	Working length
1 7 - 0 1 2 - 7 1	Sugita Titanium Clip II Single Shaft Applier Standard Clips, 50mm	204mm	50mm
1 7 - 0 1 2 - 7 2	Sugita Titanium Clip II Single Shaft Applier Standard Clips, 90mm	244mm	90mm
1 7 - 0 1 2 - 7 3	Sugita Titanium Clip II Single Shaft Applier Standard Clips, 110mm	264mm	110mm
1 7 - 0 1 2 - 7 4	Sugita Titanium Clip II Single Shaft Applier Standard Clips, 30°Angled 50mm	204mm	50mm
1 7 - 0 1 2 - 7 5	Sugita Titanium Clip II Single Shaft Applier Standard Clips, 30°Angled 90mm	244mm	90mm
1 7 - 0 1 2 - 7 6	Sugita Titanium Clip II Single Shaft Applier Standard Clips, 30°Angled 110mm	264mm	110mm
1 7 - 0 1 3 - 7 1	Sugita Titanium Clip II Single Shaft Applier Mini Clips, 50mm	204mm	50mm
1 7 - 0 1 3 - 7 2	Sugita Titanium Clip II Single Shaft Applier Mini Clips, 90mm	244mm	90mm
1 7 - 0 1 3 - 7 3	Sugita Titanium Clip II Single Shaft Applier Mini Clips, 110mm	264mm	110mm
1 7 - 0 1 3 - 7 4	Sugita Titanium Clip II Single Shaft Applier Mini Clips, 30°Angled 50mm	204mm	50mm
1 7 - 0 1 3 - 7 5	Sugita Titanium Clip II Single Shaft Applier Mini Clips, 30°Angled 90mm	244mm	90mm
1 7 - 0 1 3 - 7 6	Sugita Titanium Clip II Single Shaft Applier Mini Clips, 30°Angled 110mm	264mm	110mm

Swivel Angle Clip Appliers



Product Code	Product Name	Overall length	Working length
1 7 - 0 1 2 - 6 0	Sugita Titanium Clip II Swivel angle Applier for Standard Clips	210mm	90mm
1 7 - 0 1 3 - 6 0	Sugita Titanium Clip II Swivel angle Applier for Mini Clips		

Instruments

Fukushima Keyhole Clip Appliers

Design Benefits

- Low Profile
- Unique Grip Design
- Excellent Balance
- 14 Shapes and Angles for Precise Procedural Match

Surgeon Friendly

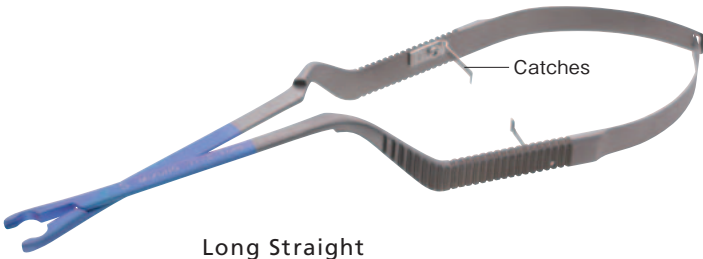
- Ultra low profile allows optimal visibility of operative site
- Supports precise placement of Sugita Titanium Aneurysm Clip II (T2)
- Meticulously milled jaw grooves help secure large and mini clip sizes



Standard Straight

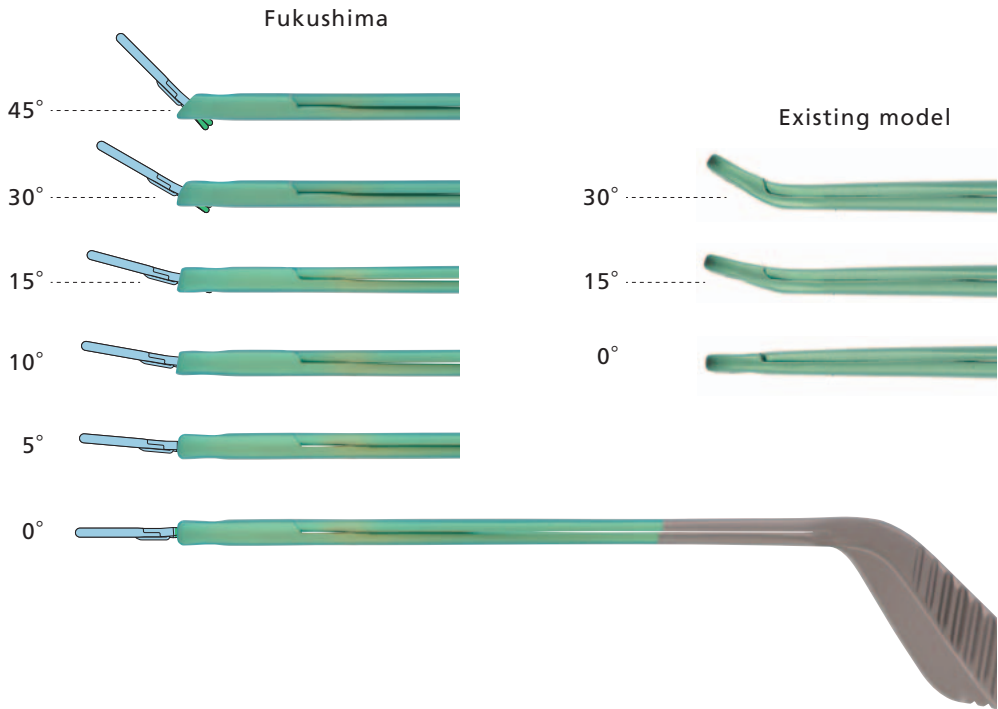


Mini Straight



Long Straight

Actual size



Product Code	Product Name	Overall length	Working length
1 7 - 0 1 5 - 0 1	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Straight	218mm	85mm
1 7 - 0 1 5 - 0 2	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 5 degree Angled Up		
1 7 - 0 1 5 - 0 3	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 10 degree Angled Up		
1 7 - 0 1 5 - 0 4	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 15 degree Angled Up		
1 7 - 0 1 5 - 0 5	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 15 degree Angled Down		
1 7 - 0 1 5 - 0 6	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 30 degree Angled Up		
1 7 - 0 1 5 - 0 7	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 45 degree Angled Up		
1 7 - 0 1 5 - 0 8	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Right	220mm	85mm
1 7 - 0 1 5 - 0 9	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Left		
1 7 - 0 1 5 - 1 0	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Far Right		
1 7 - 0 1 5 - 1 1	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Far Left	218mm	85mm
1 7 - 0 1 5 - 2 1	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Straight		
1 7 - 0 1 5 - 2 3	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini 10 degree Angled Up		
1 7 - 0 1 5 - 2 4	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini 15 degree Angled Up		
1 7 - 0 1 5 - 2 5	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini 15 degree Angled Down		
1 7 - 0 1 5 - 2 6	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini 30 degree Angled Up		
1 7 - 0 1 5 - 2 9	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Right	220mm	85mm
1 7 - 0 1 5 - 3 0	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Left		
1 7 - 0 1 5 - 3 2	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Far Right		
1 7 - 0 1 5 - 3 3	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Far Left	218mm	85mm
1 7 - 0 1 5 - 3 1	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Long Straight		

w/o Catches

Product Code	Product Name	Overall length	Working length
1 7 - 0 1 6 - 0 1	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Straight w/o Catches	218mm	85mm
1 7 - 0 1 6 - 0 2	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 5 degree Angled Up w/o Catches		
1 7 - 0 1 6 - 0 3	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 10 degree Angled Up w/o Catches		
1 7 - 0 1 6 - 0 4	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 15 degree Angled Up w/o Catches		
1 7 - 0 1 6 - 0 5	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 15 degree Angled Down w/o Catches		
1 7 - 0 1 6 - 0 6	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 30 degree Angled Up w/o Catches		
1 7 - 0 1 6 - 0 7	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard 45 degree Angled Up w/o Catches		
1 7 - 0 1 6 - 0 8	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Right w/o Catches	220mm	85mm
1 7 - 0 1 6 - 0 9	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Left w/o Catches		
1 7 - 0 1 6 - 1 0	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Far Right w/o Catches		
1 7 - 0 1 6 - 1 1	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Standard Far Left w/o Catches	218mm	85mm
1 7 - 0 1 6 - 2 1	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Straight w/o Catches		
1 7 - 0 1 6 - 2 3	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini 10 degree Angled Up w/o Catches		
1 7 - 0 1 6 - 2 4	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini 15 degree Angled Up w/o Catches		
1 7 - 0 1 6 - 2 5	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini 15 degree Angled Down w/o Catches		
1 7 - 0 1 6 - 2 6	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini 30 degree Angled Up w/o Catches		
1 7 - 0 1 6 - 2 9	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Right w/o Catches	220mm	85mm
1 7 - 0 1 6 - 3 0	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Left w/o Catches		
1 7 - 0 1 6 - 3 2	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Far Right w/o Catches		
1 7 - 0 1 6 - 3 3	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Mini Far Left w/o Catches	218mm	85mm
1 7 - 0 1 6 - 3 1	Fukushima Keyhole Clip Applier for Sugita Titanium Clip II Long Straight w/o Catches		

Surgeon must confirm proper placement of clip in appropriate Fukushima Keyhole T2 Clip Applier.

Instruments

SANO Double-Action Clip Appliers

Actual size



The applier has two joints. Adjustment key supports you to have appropriate angle.



Angle Adjustment Key



Catches

Sano Double Action for Standard



Catches

Angle Adjustment Key

Sano Double Action for Mini



	Product Code	Product Name	Overall length	Working length
Green	1 7 - 0 1 2 - 0 9	Sugita Titanium Clip II Applier, Sano Double Action for Standard Clips	210mm	90mm
Pink	1 7 - 0 1 3 - 0 9	Sugita Titanium Clip II Applier, Sano Double Action for Mini Clips		

w/o Catches

	Product Code	Product Name	Overall length	Working length
Green	1 7 - 0 1 2 - 1 9	Sugita Titanium Clip II Applier, Sano Double Action for Standard Clips w/o Catches	210mm	90mm
Pink	1 7 - 0 1 3 - 1 9	Sugita Titanium Clip II Applier, Sano Double Action for Mini Clips w/o Catches		

SANO All-Angle Clip Appliers

Actual size



One Joint with a swivel angle jaw to have appropriate angle.



Angle Adjustment Key



Catches

Sano All-Angle for Standard



Catches

Angle Adjustment Key

Sano All-Angle for Mini



	Product Code	Product Name	Overall length	Working length
Green	1 7 - 0 1 2 - 1 0	Sugita Titanium Clip II Applier, Sano All-Angle for Standard Clips	210mm	90mm
Pink	1 7 - 0 1 3 - 1 0	Sugita Titanium Clip II Applier, Sano All-Angle for Mini Clips		

w/o Catches

	Product Code	Product Name	Overall length	Working length
Green	1 7 - 0 1 2 - 2 0	Sugita Titanium Clip II Applier, Sano All-Angle for Standard Clips w/o Catches	210mm	90mm
Pink	1 7 - 0 1 3 - 2 0	Sugita Titanium Clip II Applier, Sano All-Angle for Mini Clips w/o Catches		

Modular Clip-Case System (17-010-90 Series)

Sugita T2 Clip Tray Storage Case

17-010-90

- Holds Sugita T2 Clip Trays with transparent lid listed at right along with sterilizing clips
- Sterilization method:autoclave



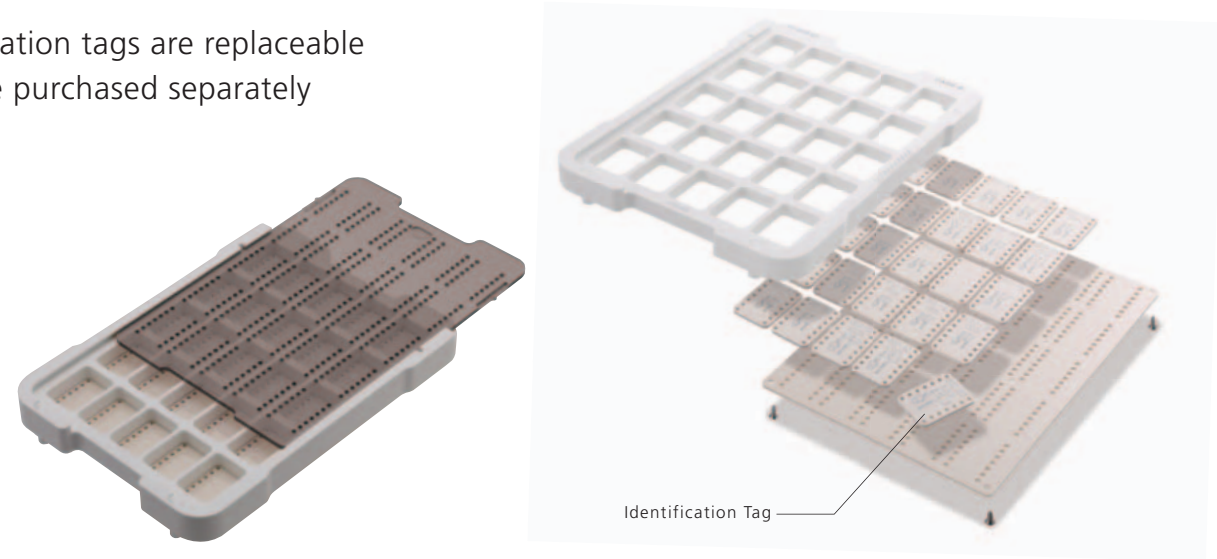
(Photo shows case set.)

Sugita T2 Clip Tray with transparent lid

17-010-91 to 99

The new T2 clip organizational tray houses an entire set of aneurysm clips with the room to store up to 134 individual clips.
Tray H and I allows you to arrange clip patterns according to your specific needs. Customized removable identification tags in all clip patterns are available upon request. Actual clip size illustration is shown on each tags.

- All identification tags are replaceable
- Tags can be purchased separately



Clip Tray Storage Case

Product Code	Product Name
1 7 - 0 1 0 - 9 0	Sugita Aneurysm Clip Organizational Tray (Clip Tray basket Not Applier case)

*Case only

Clip Tray B

Product Code	Product Name
1 7 - 0 1 0 - 9 1	Sugita T2 Clip Tray B (For Mini and Standard Crankshaft clips)

Clip number that can be set	17-001-80	17-002-15	17-001-89	17-001-87	17-002-21	17-001-88
	17-001-95	17-001-84	17-002-20	17-001-98	17-002-16	17-002-01
	17-001-81	17-001-86	17-001-85	17-001-83	17-002-18	17-002-02
	17-001-96	17-002-19	17-001-99	17-002-17	17-001-97	17-002-03

Clip Tray C

Product Code	Product Name
1 7 - 0 1 0 - 9 2	Sugita T2 Clip Tray C (For Standard Straight, Curved and L shaped clips)

Clip number that can be set	17-001-01	17-001-70	17-001-04	17-001-49	17-001-20
	17-001-02	17-001-03	17-001-64	17-001-23	17-001-21
	17-001-10	17-001-13	17-001-12	17-001-24	17-001-22
	17-001-15	17-001-14	17-001-47	17-001-25	17-001-60
	17-001-18	17-001-16	17-001-48	17-001-73	17-001-61

Clip Tray D

Product Code	Product Name
1 7 - 0 1 0 - 9 3	Sugita T2 Clip Tray D (For Standard Curved and Long clips)

Clip number that can be set	17-001-08	17-001-63	17-001-50	17-001-07	17-001-90
	17-001-68	17-001-69	17-001-17	17-001-11	17-001-91
	17-001-09	17-001-65	17-001-05	17-001-71	17-001-92
	17-001-62	17-001-66	17-001-06	17-001-72	

Clip Tray E

Product Code	Product Name
1 7 - 0 1 0 - 9 4	Sugita T2 Clip Tray E (For Standard Fenestrated clips)

Clip number that can be set	17-006-38	17-001-28	17-001-31	17-001-34	17-001-36	17-001-45
	17-006-39	17-006-40	17-006-35	17-006-01	17-001-37	17-001-46
	17-001-26	17-001-29	17-001-32	17-006-36	17-006-02	17-006-03
	17-001-27	17-001-30	17-001-33	17-001-35	17-001-44	

Clip Tray F

Product Code	Product Name
1 7 - 0 1 0 - 9 5	Sugita T2 Clip Tray F (For Standard Fenestrated L Shaped clips)

Clip number that can be set	17-006-43	17-006-37	17-001-79	17-001-77	17-002-07	17-002-11
	17-001-38	17-001-41	17-001-74	17-001-78	17-002-08	17-002-12
	17-001-39	17-001-42	17-001-75	17-002-04	17-002-09	17-002-13
	17-001-40	17-001-43	17-001-76	17-002-05	17-002-10	17-002-14

Clip Tray G

Product Code	Product Name
1 7 - 0 1 0 - 9 6	Sugita T2 Clip Tray G (For All Temporary and Booster clips)

Clip number that can be set	17-006-27	17-006-29	17-001-57	17-006-32	17-001-55
	17-006-28	17-006-30	17-001-51	17-006-33	17-006-34
	17-001-56	17-006-23	17-001-52	17-001-53	17-002-00
	17-001-58	17-006-24	17-006-31	17-001-54	

Clip Tray H

Product Code	Product Name
1 7 - 0 1 0 - 9 7	Sugita T2 Clip Tray H (Customizable Tray for Standard and Mini clips with 25 blank pockets)

Clip Tray I

Product Code	Product Name
1 7 - 0 1 0 - 9 8	Sugita T2 Clip Tray I (Customizable Tray for Standard, Mini and Long clips with 20 blank pockets)

Clip Tray J

Product Code	Product Name
1 7 - 0 1 0 - 9 9	Sugita T2 Clip Tray J (For Temporary clips 001-51 to 58 only)

Clip number that can be set	17-001-56	17-001-57	17-001-52	17-001-54
	17-001-58	17-001-51	17-001-53	17-001-55



Customizable

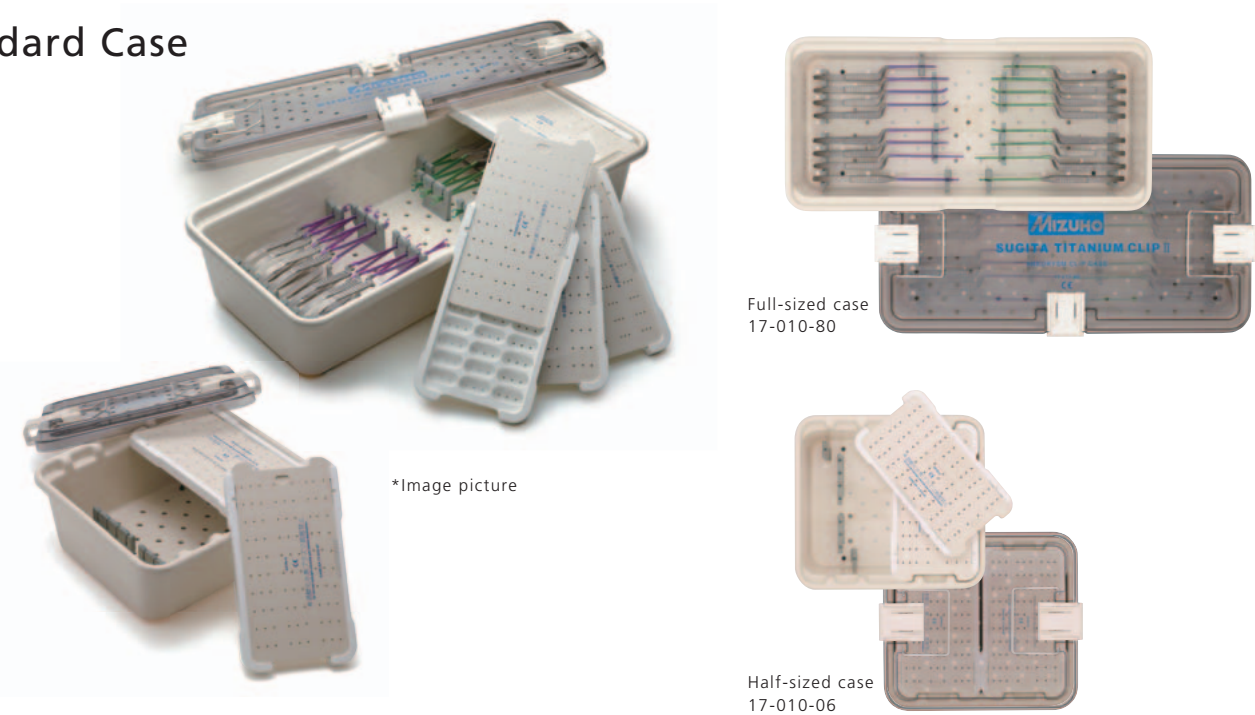
Customizable

Modular Clip-Case System (17-010-80 Series)

Sugita T2 Clip Instrument Storage Case

- For storing Sugita T2 Clip trays with solid lids (listed at right) along with sterilizing clips and appliers
- Sterilization method :autoclave

Standard Case



Standard Case

Product Code	Product Name	Max. of clip cases	Max. appliers
17-010-80	Sugita Titanium Clip II Case A for Appliers	4	16
17-010-06	Sugita Titanium Clips II Half Case	2	8

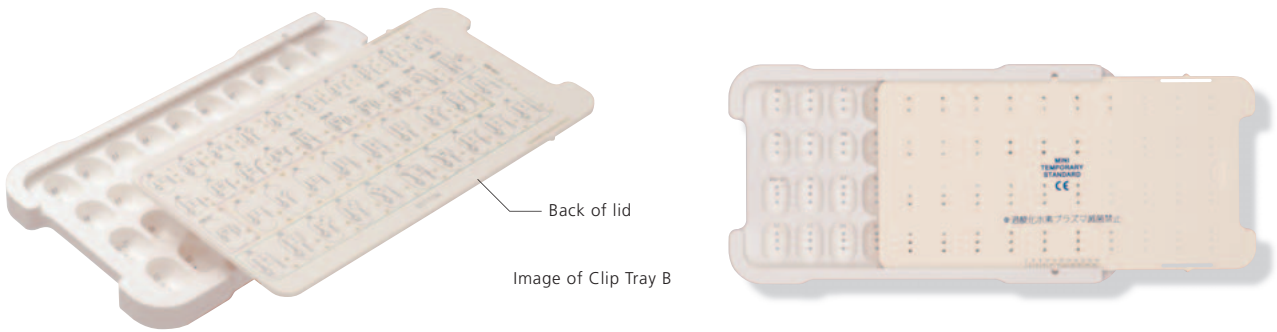
Metal Case



Metal Case

Product Code	Product Name	Max. of clip cases	Max. appliers
17-010-20	Sugita Titanium Clip II Metal Case A for Appliers	4	16
17-010-26	Sugita Titanium Clip II Metal Half Case	2	8

Clip Tray with solid lid



Clip Tray B

Product Code	Product Name					
17-010-81	Sugita Titanium Clip II Case B for Mini, Temporary and Standard Clips					
Clip number that can be set	17-001-01	17-001-08	17-001-54	17-001-83	17-001-95	17-002-17
	17-001-02	17-002-01	17-001-55	17-001-84	17-001-96	17-002-18
	17-001-03	17-002-02	17-001-56	17-001-85	17-001-97	17-002-19
	17-001-04	17-002-03	17-001-57	17-001-86	17-001-98	17-002-20
	17-001-05	17-001-51	17-001-58	17-001-87	17-001-99	17-002-21
	17-001-06	17-001-52	17-001-80	17-001-88	17-002-15	
	17-001-07	17-001-53	17-001-81	17-001-89	17-002-16	

Clip Tray C

Product Code	Product Name					
17-010-82	Sugita Titanium Clip II Case C for Standard Clips					
Clip number that can be set	17-001-09	17-001-14	17-001-20	17-001-25	17-001-60	17-001-65
	17-001-10	17-001-15	17-001-21	17-001-47	17-001-61	17-001-66
	17-001-11	17-001-16	17-001-22	17-001-48	17-001-62	17-001-68
	17-001-12	17-001-17	17-001-23	17-001-49	17-001-63	17-001-69
	17-001-13	17-001-18	17-001-24	17-001-50	17-001-64	17-001-73

Clip Tray D

Product Code	Product Name					
17-010-83	Sugita Titanium Clip II Case D for Fenestrated Clips					
Clip number that can be set	17-001-26	17-001-31	17-001-36	17-001-41	17-001-46	17-001-78
	17-001-27	17-001-32	17-001-37	17-001-42	17-001-74	17-001-79
	17-001-28	17-001-33	17-001-38	17-001-43	17-001-75	17-006-35
	17-001-29	17-001-34	17-001-39	17-001-44	17-001-76	17-006-36
	17-001-30	17-001-35	17-001-40	17-001-45	17-001-77	17-006-37

Clip Tray E

Product Code	Product Name					
17-010-84	Sugita Titanium Clip II Case E for Standard, Fenestrated and Long Clips					
Clip number that can be set	17-006-38	17-006-01	17-002-05	17-002-10	17-002-14	17-001-90
	17-006-39	17-006-02	17-002-07	17-002-11	17-001-70	17-001-91
	17-006-40	17-006-03	17-002-08	17-002-12	17-001-71	17-001-92
	17-006-43	17-002-04	17-002-09	17-002-13	17-001-72	

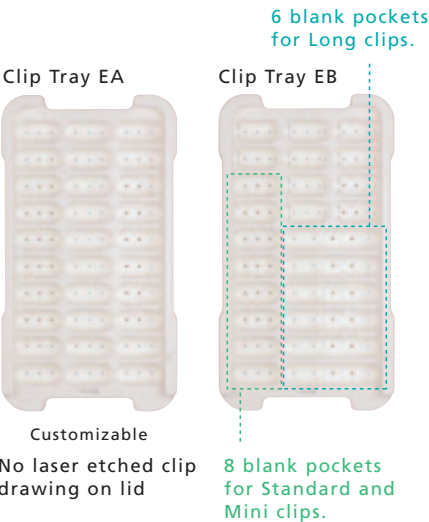
Clip Tray EA

Product Code	Product Name
17-010-07	Sugita Titanium Clips II Case EA for Extra A

Clip Tray EB

Product Code	Product Name
17-010-08	Sugita Titanium Clips II Case EB for Extra B

Clip number that can be set	17-006-23	17-006-29	17-006-33
	17-006-24	17-006-30	17-006-34
	17-006-27	17-006-31	
	17-006-28	17-006-32	



Ordering information

Standard



Prod. Code	Description
17-001-01	Standard 8.5 Straight 7.0mm
17-001-02	Standard 10.5 Straight 10.0mm
17-001-03	Standard 11.0 Bayonet 7.0mm
17-001-04	Standard 9.5 Bent 8.0mm
17-001-05	Standard 11.0 Sideward Bent 8.0mm
17-001-06	Standard 10.0 Sideward Cvd. 9.0mm
17-001-07	Standard 12.0 Sideward Cvd. Bayonet 8.5mm
17-001-08	Standard 9.5 Cvd. 9.0mm
17-001-09	Standard 10.0 Slightly Cvd. 9.0mm
17-001-10	Standard 11.5 Straight 12.0mm
17-001-11	Standard 13.5 Sideward Bent 12.0mm
17-001-12	Standard 11.0 Bent 12.0mm
17-001-13	Standard 13.0 Bayonet 10.0mm
17-001-14	Standard 14.0 Bayonet 12.0mm
17-001-15	Standard 13.5 Straight 15.0mm
17-001-16	Standard 14.0 Slightly Cvd. Bayonet 12.0mm
17-001-17	Standard 15.5 Slightly Cvd. 18.0mm
17-001-18	Standard 15.5 Straight 18.0mm
17-001-20	Standard 8.0 L-Shaped 5.0mm
17-001-21	Standard 8.0 L-Shaped 7.5mm
17-001-22	Standard 8.0 L-Shaped 10.0mm
17-001-23	Standard 9.0 J-Shaped 6.0mm
17-001-24	Standard 9.0 J-Shaped 7.5 mm
17-001-25	Standard 9.5 J-Shaped 9.0mm
17-001-47	Standard 10.5 45° Angled 5.0mm
17-001-48	Standard 11.5 45° Angled 7.5mm
17-001-49	Standard 12.5 45° Angled 10.0mm
17-001-50	Standard 13.0 Slightly Cvd. 14.0mm
17-001-60	Standard 8.0 L-Shape w/Curved 7.5mm
17-001-61	Standard 8.0 L-Shaped w/Curved 10.0mm
17-001-62	Standard 9.0 1/4 Cvd. 7.5mm
17-001-63	Standard 9.5 1/4 Cvd. 8.6mm
17-001-64	Standard 10.5 Slightly Bent 8.0mm (4B)
17-001-65	Standard 11.0 Slightly Cvd. 11.0mm
17-001-66	Standard 11.0 Slightly Cvd. 11.0mm
17-001-68	Standard 10.0 Slightly Cvd. 9.0mm (8B)
17-001-69	Standard 9.5 Cvd. 9.0mm
17-001-73	Standard 11.0 1/4 Cvd. 11.0mm
17-001-70	Standard 17.0 Straight 21.0mm (19A)
17-002-01	Standard 9.0 Crankshaft 3.0mm
17-002-02	Standard 10.0 Crankshaft 4.0mm
17-002-03	Standard 10.0 Crankshaft 4.0mm

Standard Temporary



Prod. Code	Description
17-001-51	Temp. 9.0 Straight 7.0mm
17-001-52	Temp. 10.5 Straight 10.0mm
17-001-53	Temp. 11.5 Bayonet 7.0mm
17-001-54	Temp. 9.5 Bent 8.0mm
17-001-55	Temp. 11.0 Slightly Curved 11.0mm
17-006-31	Temp. 12.0 Straight 12.0mm
17-006-32	Temp. 13.5 Straight 15.0mm
17-006-33	Temp. 16.5 Straight 20.0mm
17-006-34	Temp. 13.0 Slightly Curved 14.0mm

Booster



Booster Clip is suitable for below numbers.

Clip No.	1	2	5	6	9	10	11	15	17	18	20
	21	22	23	24	25	47	48	49	50	60	61
	62	63	65	66	69	70	73	C01	C02	C03	

Prod. Code	Description
17-002-00	Booster

Fenestrated



Prod. Code	Description
17-001-26	Fen. 3.5, 11.0 Straight 6.0mm
17-001-27	Fen. 3.5, 13.0 Straight 9.0mm
17-001-28	Fen. 3.5, 14.5 Straight 12.0mm
17-001-29	Fen. 5.0, 12.0 Straight 6.0mm
17-001-30	Fen. 5.0, 14.0 Straight 9.0mm
17-001-31	Fen. 5.0, 15.5 Straight 12.0mm
17-001-32	Fen. 3.5, 8.5 Bent 5.0mm
17-001-33	Fen. 3.5, 9.0 Bent 7.5mm
17-001-34	Fen. 3.5, 10.0 Bent 10.0mm
17-001-35	Fen. 5.0, 9.5 Bent 5.0mm
17-001-36	Fen. 5.0, 10.0 Bent 7.5mm
17-001-37	Fen. 5.0, 11.0 Bent 10.0mm
17-001-38	Fen. 3.5, 7.5 L-Shaped 5.0mm
17-001-39	Fen. 3.5, 7.5 L-Shaped 7.5mm
17-001-40	Fen. 3.5, 10.0 L-Shaped 10.0mm
17-001-41	Fen. 5.0, 8.5 L-Shaped 5.0mm
17-001-42	Fen. 5.0, 8.5 L-Shaped 7.5mm
17-001-43	Fen. 5.0, 8.5 L-Shaped 10.0mm
17-001-44	Fen. 5.0, 10.5 Bayonet 5.0mm
17-001-45	Fen. 5.0, 12.0 Bayonet 7.5mm
17-001-46	Fen. 5.0, 13.5 Bayonet 10.0mm
17-001-74	Fen. 5.0, 8.5 L-Shaped Cvd. to L 5.0mm
17-001-75	Fen. 5.0, 8.5 L-Shaped Cvd. to L 7.5mm
17-001-76	Fen. 5.0, 8.5 L-Shaped Cvd. to L 10.0mm
17-001-77	Fen. 5.0, 8.5 L-Shaped Cvd. to R 5.0mm
17-001-78	Fen. 5.0, 8.5 L-Shaped Cvd. to R 7.5mm
17-001-79	Fen. 5.0, 8.5 L-Shaped Cvd. to R 10.0mm
17-002-04	Fujita Fen. 5.0, 11.0 Straight Angled 5.0mm
17-002-05	Fujita Fen. 5.0, 12.0 Straight Angled 7.5mm
17-002-07	Fujita Fen. 5.0, 9.0 Bent Angled to R 5.0mm
17-002-08	Fujita Fen. 5.0, 10.0 Bent Angled to R 7.5mm
17-002-09	Fujita Fen. 5.0, 9.0 Bent Angled to L 5.0mm
17-002-10	Fujita Fen. 5.0, 10.0 Bent Angled to L 7.5mm
17-002-11	Fujita Fen. 5.0, 8.0 L-Shaped Angled to R 5.0mm
17-002-12	Fujita Fen. 5.0, 8.0 L-Shaped Angled to R 7.5mm
17-002-13	Fujita Fen. 5.0, 8.0 L-Shaped Angled to L 5.0mm
17-002-14	Fujita Fen. 5.0, 8.0 L-Shaped Angled to L 7.5mm
17-006-01	Fen. 5.0, 9.5 L-Shaped Window 3.0mm
17-006-02	Fen. 5.0, 10.0 L-Shaped Window 4.0mm
17-006-03	Fen. 5.0, 11.0 L-Shaped Window 5.0mm
17-006-35	Fen. 3.5, 8.0 Bent 3.0mm
17-006-36	Fen. 5.0, 9.0 Bent 3.0mm
17-006-37	Fen. 5.0, 8.5 L-Shaped 3.0mm
17-006-38	Fen. 3.5, 9.0 Straight 3.0mm
17-006-39	Fen. 3.5, 10.0 Straight 4.0mm
17-006-40	Fen. 5.0, 11.0 Straight 4.0mm
17-006-43	Fen. 3.5, 7.5 L-Shaped 3.0mm

Mini



Prod. Code	Description
17-001-80	Mini 5.5 Straight 4.0mm
17-001-81	Mini 7.0 Straight 6.0mm
17-001-83	Mini 6.5 Curved 5.0mm
17-001-84	Mini 7.0 Bent 5.0mm
17-001-85	Mini 5.5 Curved 4.0mm
17-001-86	Mini 7.5 Sideward Curved 7.0mm
17-001-87	Mini 6.0 Curved 5.0mm
17-001-88	Mini 7.5 Curved 7.0mm
17-001-89	Mini 8.5 Bayonet 5.0mm
17-001-95	Mini 5.5 Straight Slim 4.0mm
17-001-96	Mini 7.0 Straight Slim 6.0mm
17-001-97	Mini 7.0 Curved Slim 6.7mm
17-001-98	Mini 8.0 Curved Slim 8.2mm
17-001-99	Mini 6.5 Curved Slim 5.2mm
17-002-15	Mini 8.0 Straight 8.0mm
17-002-16	Mini 7.0 Curved 6.5mm
17-002-17	Mini 6.5 Slightly Curved 5.5mm
17-002-18	Mini 7.0 Slightly Curved 6.5mm
17-002-19	Mini 8.5 Sideward Bent 6.0mm
17-002-20	Mini 10.0 Bayonet 7.0mm
17-002-21	Mini 6.5 Curved Slim 5.5mm

Mini Temporary



Prod. Code	Description
17-001-56	Mini Temp. 7.0 Straight 6.0mm
17-001-57	Mini Temp. 7.0 Bent 5.0mm
17-001-58	Mini Temp. 7.0 Straight Slim 6.0mm
17-006-23	Mini Temp. 9.5 Straight 10.0mm
17-006-24	Mini Temp. 12.5 Straight 15.0mm
17-006-27	Mini Temp. 6.0 Straight 4.0mm
17-006-28	Mini Temp. 6.5 Straight 5.0mm
17-006-29	Mini Temp. 7.5 Straight 7.0mm
17-006-30	Mini Temp. 8.0 Straight 8.0mm

Long



Prod. Code	Description
17-001-71	Long 19.0 Bayonet 21.0mm (19B)
17-001-72	Long 18.0 Straight 25.0mm (19C)
17-001-90	Long 20.5 Straight 30.0mm
17-001-91	Long 23.5 Straight 35.0mm
17-001-92	Long 26.0 Straight 40.0mm

Sugita T2 Clip Instruments

Clip Appliers

Prod. Code	Description
17-012-51	Sugita Titanium Clip II Applier Straight 70mm, for Standard Clips
17-012-52	Sugita Titanium Clip II Applier Straight 90mm, for Standard Clips
17-012-53	Sugita Titanium Clip II Applier Straight 110mm, for Standard Clips
17-012-54	Sugita Titanium Clip II Applier,15°Angled for Standard Clips
17-012-55	Sugita Titanium Clip II Applier,30°Angled for Standard Clips
17-012-58	Sugita Titanium Clip II Applier Sideward Angled, for Standard Clips
17-013-51	Sugita Titanium Clip II Applier Straight 70mm, for Mini Clips
17-013-52	Sugita Titanium Clip II Applier Straight 90mm, for Mini Clips
17-013-53	Sugita Titanium Clip II Applier Straight 110mm, for Mini Clips
17-013-54	Sugita Titanium Clip II Applier, 15°Angled for Mini Clips
17-013-55	Sugita Titanium Clip II Applier, 30°Angled for Mini Clips
17-013-58	Sugita Titanium Clip II Applier, Sideward Angled, for Mini Clips
17-014-52	Sugita Titanium Clip II Applier, Straight 90mm for Long Clips
17-014-54	Sugita Titanium Clip II Applier 15°Angled for Long Clips

Clip Removers

Prod. Code	Description
17-012-56	Remover Std, Straight
17-012-57	Remover Std, 30°Angled
17-013-56	Remover Mini, Stright
17-013-57	Remover Mini, 30°Angled
17-014-56	Remover Long, Stright

Single Shaft Clip Appliers

Prod. Code	Description
17-012-71	Single Shaft Applier Standard, 50mm
17-012-72	Single Shaft Applier Standard, 90mm
17-012-73	Single Shaft Applier Standard, 110mm
17-012-74	Single Shaft Applier Standard, 30°Angled 50mm
17-012-75	Single Shaft Applier Standard, 30°Angled 90mm
17-012-76	Single Shaft Applier Standard, 30°Angled 110mm
17-013-71	Single Shaft Applier Mini, 50mm
17-013-72	Single Shaft Applier Mini, 90mm
17-013-73	Single Shaft Applier Mini, 110mm
17-013-74	Single Shaft Applier Mini, 30°Angled 50mm
17-013-75	Single Shaft Applier Mini, 30°Angled 90mm
17-013-76	Single Shaft Applier Mini, 30°Angled 110mm

Swivel Angle Clip Appliers

Prod. Code	Description
17-012-60	Swivel angle Std
17-013-60	Swivel angle Mini

Fukushima Keyhole Clip Appliers

Prod. Code	Description
17-015-01	Fukushima Std, Straight
17-015-02	Fukushima Std, 5 degree Angled Up
17-015-03	Fukushima Std, 10 degree Angled Up
17-015-04	Fukushima Std, 15 degree Angled Up
17-015-05	Fukushima Std, 15 degree Angled Down
17-015-06	Fukushima Std, 30 degree Angled Up
17-015-07	Fukushima Std, 45 degree Angled Up
17-015-08	Fukushima Std, Right
17-015-09	Fukushima Std, Left
17-015-10	Fukushima Std, Far Right
17-015-11	Fukushima Std, Far Left
17-015-21	Fukushima Mini, Straight
17-015-23	Fukushima Mini, 10 degree Angled Up
17-015-24	Fukushima Mini, 15 degree Angled Up
17-015-25	Fukushima Mini, 15 degree Angled Down
17-015-26	Fukushima Mini, 30 degree Angled Up
17-015-29	Fukushima Mini, Right
17-015-30	Fukushima Mini, Left
17-015-32	Fukushima Mini, Far Righth
17-015-33	Fukushima Mini, Far Left
17-015-31	Fukushima Long, Straight

Fukushima Keyhole Clip Appliers w/o catches

Prod. Code	Description
17-016-01	Fukushima Std, Straight w/o Catches
17-016-02	Fukushima Std, 5 degree Angled Up w/o Catches
17-016-03	Fukushima Std, 10 degree Angled Up w/o Catches
17-016-04	Fukushima Std, 15 degree Angled Up w/o Catches
17-016-05	Fukushima Std, 15 degree Angled Down w/o Catches
17-016-06	Fukushima Std, 30 degree Angled Up w/o Catches
17-016-07	Fukushima Std, 45 degree Angled Up w/o Catches
17-016-08	Fukushima Std, Right w/o Catches
17-016-09	Fukushima Std, Left w/o Catches
17-016-10	Fukushima Std, Far Right w/o Catches
17-016-11	Fukushima Std, Far Left w/o Catches
17-016-21	Fukushima Mini, Straight w/o Catches
17-016-23	Fukushima Mini, 10 degree Angled Up w/o Catches
17-016-24	Fukushima Mini, 15 degree Angled Up w/o Catches
17-016-25	Fukushima Mini, 15 degree Angled Down w/o Catches
17-016-26	Fukushima Mini, 30 degree Angled Up w/o Catches
17-016-29	Fukushima Mini, Right w/o Catches
17-016-30	Fukushima Mini, Left w/o Catches
17-016-32	Fukushima Mini, Far Right w/o Catches
17-016-33	Fukushima Mini, Far Left w/o Catches
17-016-31	Fukushima Long, Straight w/o Catches

Sano Double-Action/All Angle Clip Appliers

Prod. Code	Description
17-012-09	Sano Double Action Std
17-012-10	Sano All-Angle Std
17-012-19	Sano Double Action Std, w/o Catches
17-012-20	Sano All-Angle Std, w/o Catches
17-013-09	Sano Double Action Mini
17-013-10	Sano All-Angle Mini
17-013-19	Sano Double Action Mini, w/o Catches
17-013-20	Sano All-Angle Mini, w/o Catches

Sugita T2 Clip Cases & Trays

Clip Tray Storage Case, Clip Trays with transparent lid

Prod. Code	Description	Prod. Code	Description
17-010-90	T2 Metal basket	17-010-91	T2 Clip Tray B (For Mini and Std Crankshaft clips)
		17-010-92	T2 Clip Tray C (For Std Str, Cvd and L shaped clips)
		17-010-93	T2 Clip Tray D (For Std Cvd and Long clips)
		17-010-94	T2 Clip Tray E (For Std Fenest clips)
		17-010-95	T2 Clip Tray F (For Std Fenest L Shaped clips)
		17-010-96	T2 Clip Tray G (For All Temp and Booster clips)
		17-010-97	T2 Clip Tray H (Customizable Tray for Std and Mini, 25 blank pockets)
		17-010-98	T2 Clip Tray I (Customizable Tray for Std, Mini and Long clips,20 blank pockets)
		17-010-99	T2 Clip Tray J (For Temp clips 001-51 to 58 only)

Clip Instruments Storage Case, Clip Trays with solid lid

Prod. Code	Description	Prod. Code	Description
17-010-80	T2 Clip Case A for Appliers	17-010-81	T2 Clip Tray B for Mini, Temporary and Standard Clips
17-010-06	Half Size Tray (Appliers)	17-010-82	T2 Clip Tray C for Standard Clips
		17-010-83	T2 Clip Tray D for Fenestrated Clips
		17-010-84	T2 Clip Tray E for Standard, Fenestrated and Long Clips
		17-010-07	T2 Clip Tray EA (for Std and Mini, Blank 30 pockets)
		17-010-08	T2 Clip Tray EB (for Std, Mini and Long, 24 pockets)

Metal Case

Prod. Code	Description
17-010-20	Sugita Titanium Clip II Metal Case A for Appliers
17-010-26	Sugita Titanium Clip II Metal Half Case