

SugitaClip
Titanium II



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Phone No.800 699 2547

Manufacturer
MIZUHO Corporation
Tokyo, JAPAN

* 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.

CE 0123

 Caution	•Be sure not to use the product until you have carefully read the instruction manual and attached document and correctly understood their contents. •Be sure to carry out without fail the periodic inspections and the pre- and post-operative inspections. •For details about after-the-sale service be sure to inquire at our Sales Branches or the dealer from whom you have purchased this product.
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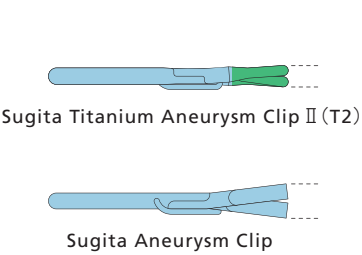
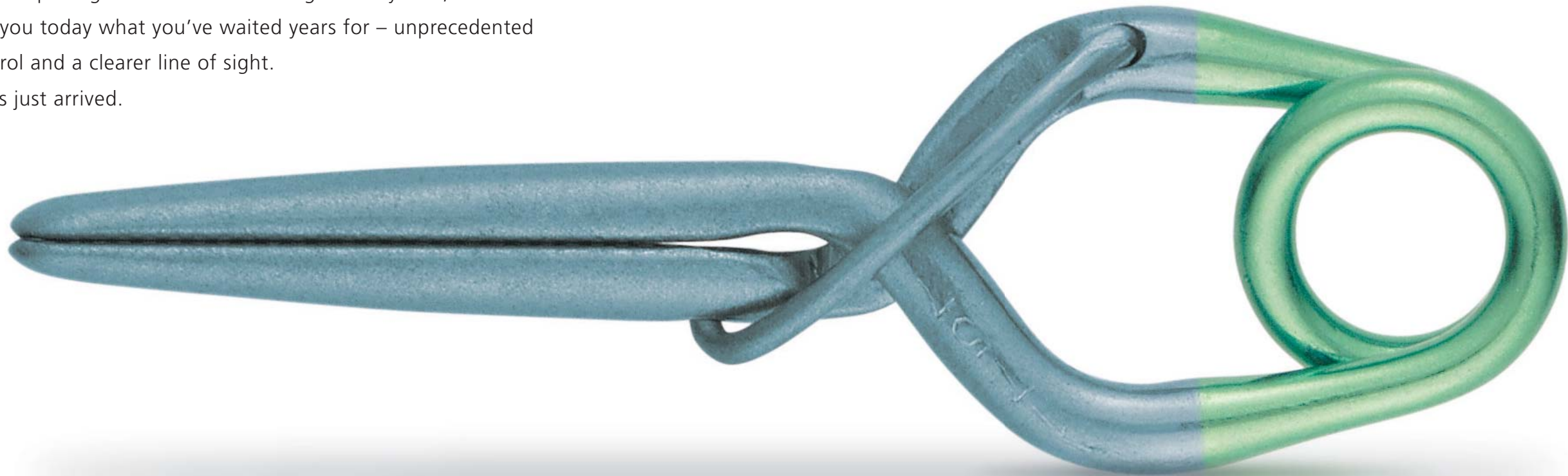
Sugita Titanium Aneurysm Clip II from Mizuho. Revolutionizing Aneurysm Management, again.



Tomorrow’s aneurysm management is available today – embodied in the new Sugita Titanium Aneurysm Clip II (T2).

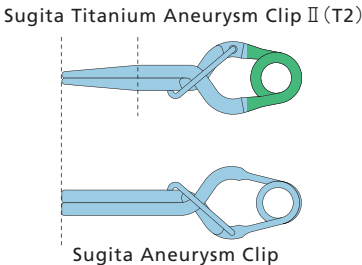
T2 isn’t an old design recast in new material but rather a truly innovative advancement, patiently evolved from the industry’s most trusted and acclaimed design. By integrating a new, ultra-slim spring-profile that’s 50% thinner, with today’s widest blade opening and an exclusive bridge wire system, 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.



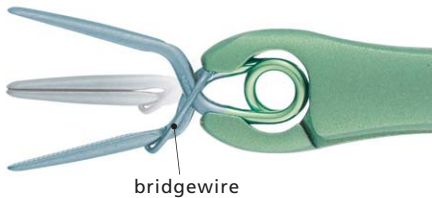
Ultra-Slim Spring

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.



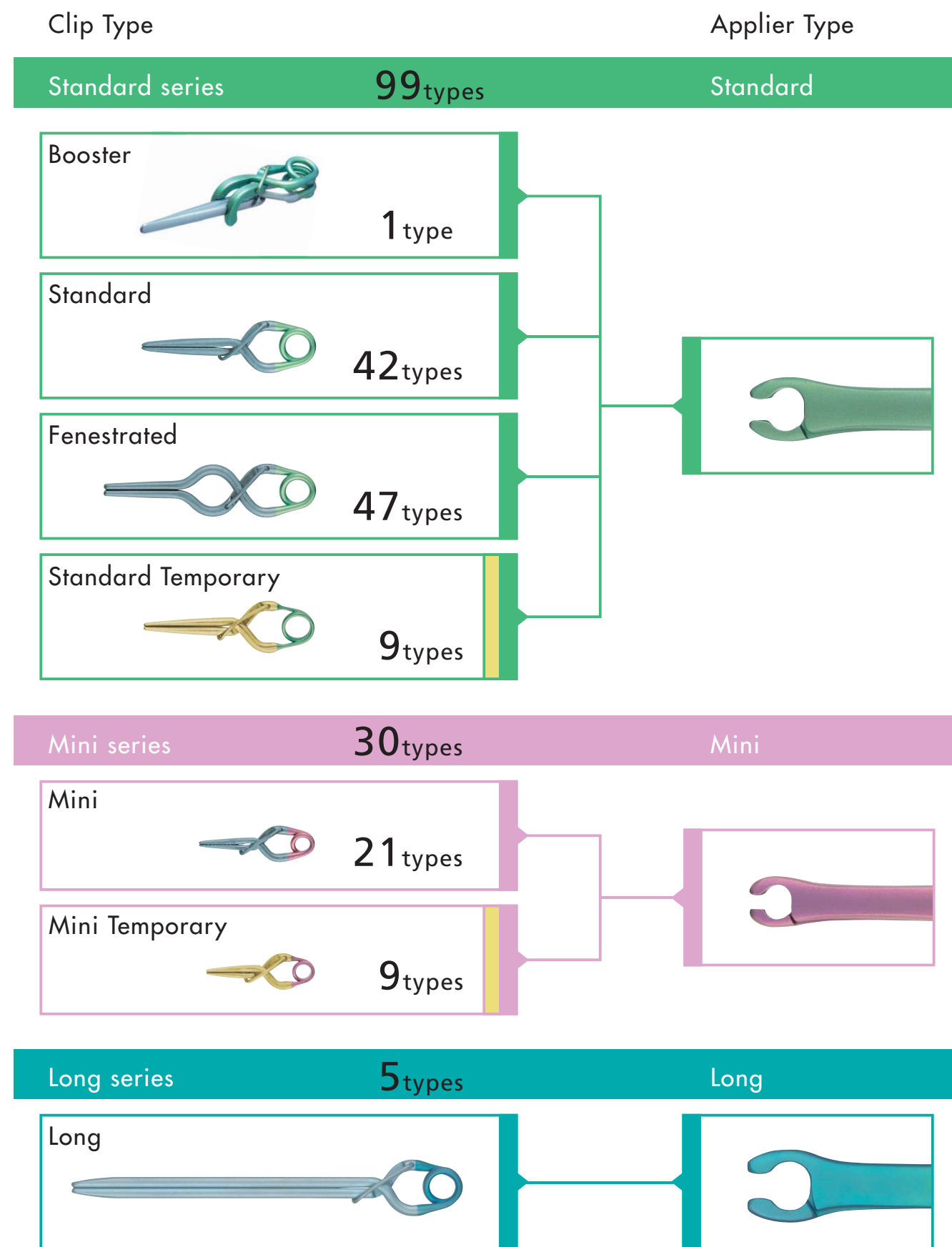
A Clip for Every Need

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

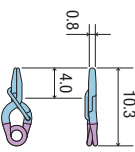
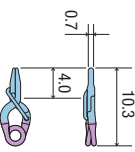
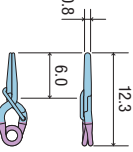
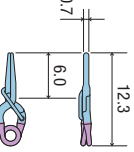
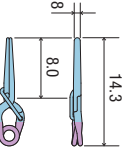
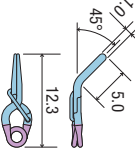
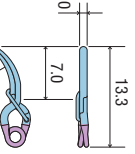
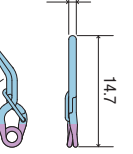
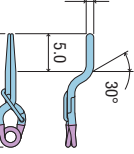
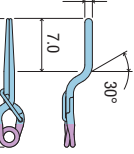
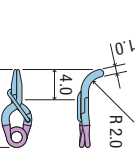
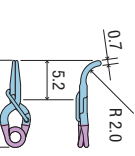
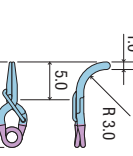
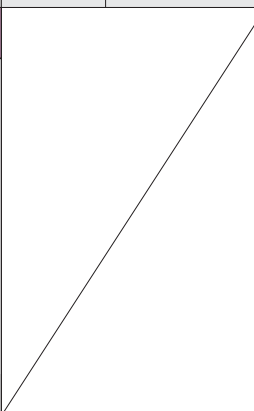
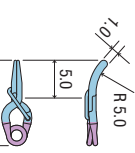
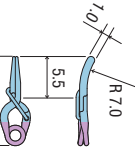
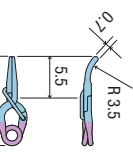
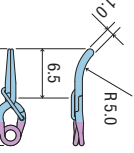
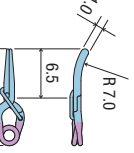
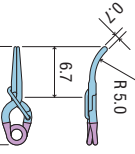
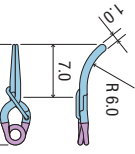
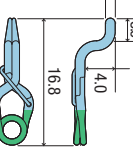
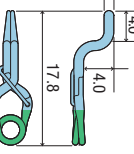
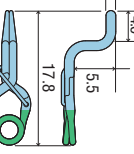
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* All Clips are packaged non-sterile.

Mini

Standard

Prod. Code	1/1 size
Model No.	image din. (mm)
Max opening	Closing force ($\pm 7.5\%$)

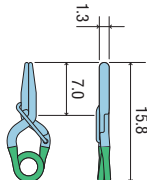
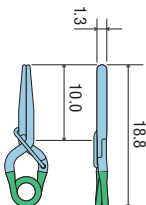
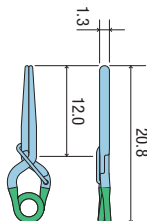
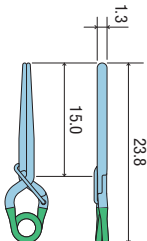
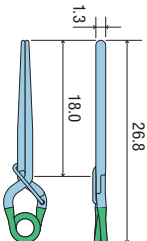
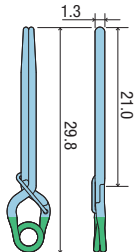
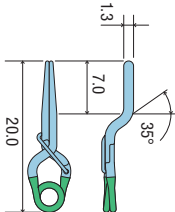
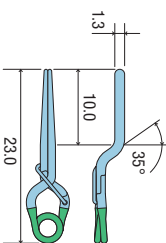
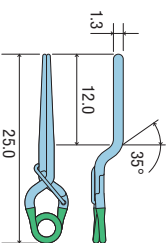
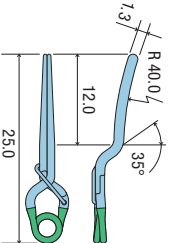
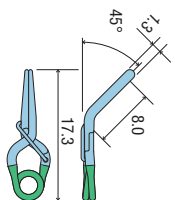
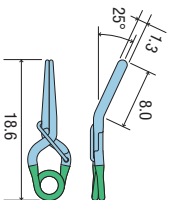
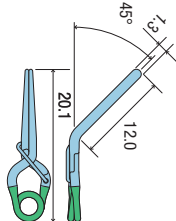
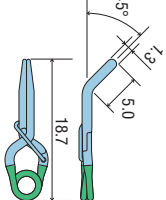
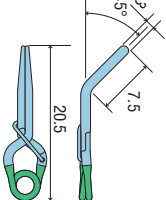
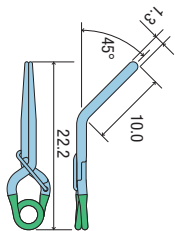
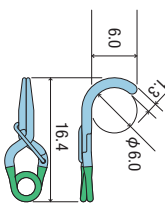
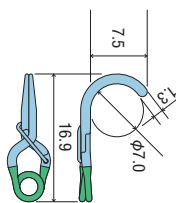
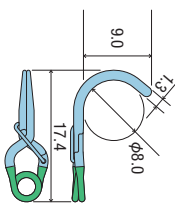
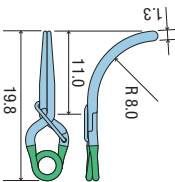
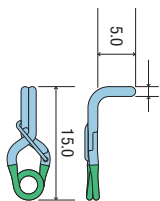
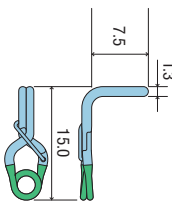
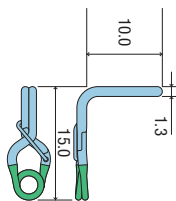
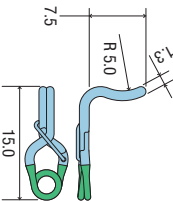
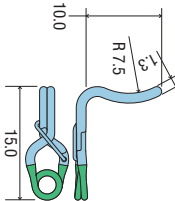
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5.5 (mm) 130 (g) 1.27 (N)	5.5 (mm) 130 (g) 1.27 (N)	7.0 (mm) 130 (g) 1.27 (N)	7.0 (mm) 130 (g) 1.27 (N)	8.0 (mm) 130 (g) 1.27 (N)
17-001-84 No.84 Bent 	17-001-86 No.86 Sideward Curved 	17-002-19 No.104 Sideward Bent 	17-001-89 No.89 Bayonet 	17-002-20 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 		
5.5 (mm) 130 (g) 1.27 (N)	6.5 (mm) 130 (g) 1.27 (N)	6.0 (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	1/1 size
Model No.	image din. (mm)
Max opening	Closing force ($\pm 7.5\%$)

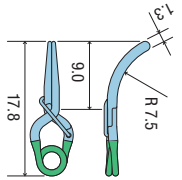
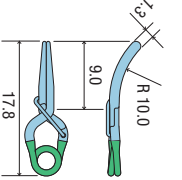
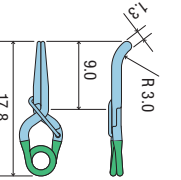
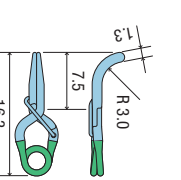
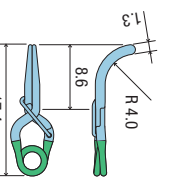
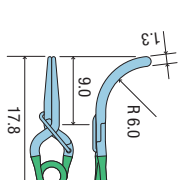
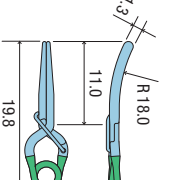
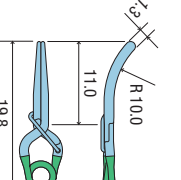
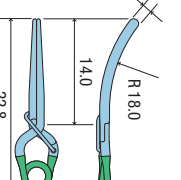
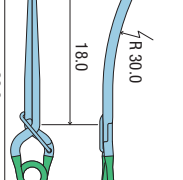
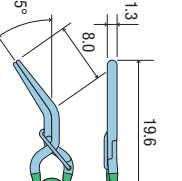
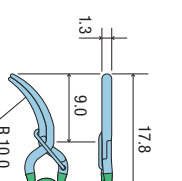
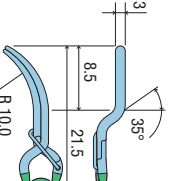
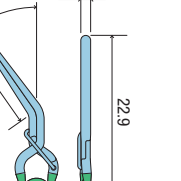
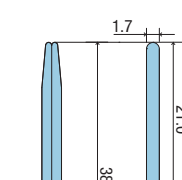
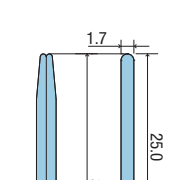
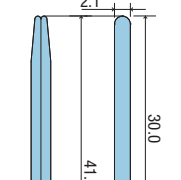
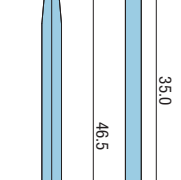
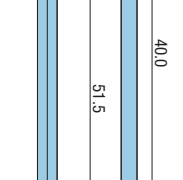
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17-001-70 No.70 (19A) Straight 	17-001-03 No.3 Bayonet 	17-001-13 No.13 Bayonet 	17-001-14 No.14 Bayonet 	17-001-16 No.16 Slightly Curved Bayonet 
17.0 (mm) 170 (g) 1.67 (N)	11.0 (mm) 150 (g) 1.47 (N)	13.0 (mm) 150 (g) 1.47 (N)	14.0 (mm) 170 (g) 1.67 (N)	14.0 (mm) 170 (g) 1.67 (N)
17-001-04 No.4 Bent 	17-001-64 No.64 (4B) Slightly Bent 	17-001-12 No.12 Bent 	17-001-47 No.47 45° Angled 	17-001-48 No.48 45° Angled 
9.5 (mm) 150 (g) 1.47 (N)	10.5 (mm) 150 (g) 1.47 (N)	11.0 (mm) 170 (g) 1.67 (N)	10.5 (mm) 150 (g) 1.47 (N)	11.5 (mm) 150 (g) 1.47 (N)
17-001-49 No.49 45° Angled 	17-001-23 No.23 J-Shaped 	17-001-24 No.24 J-Shaped 	17-001-25 No.25 J-Shaped 	17-001-73 No.73 ¼ Curved 
12.5 (mm) 150 (g) 1.47 (N)	9.0 (mm) 150 (g) 1.47 (N)	9.0 (mm) 150 (g) 1.47 (N)	9.5 (mm) 150 (g) 1.47 (N)	11.0 (mm) 170 (g) 1.67 (N)
17-001-20 No.20 L-Shaped 	17-001-21 No.21 L-Shaped 	17-001-22 No.22 L-Shaped 	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)	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 D17-010-93

Standard

Long

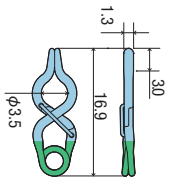
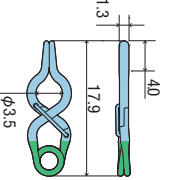
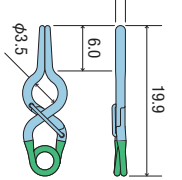
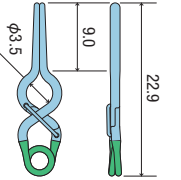
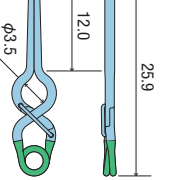
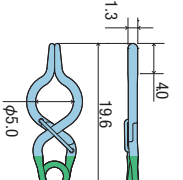
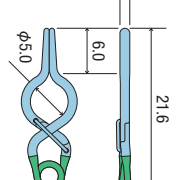
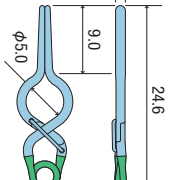
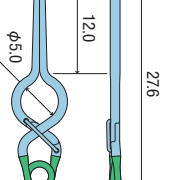
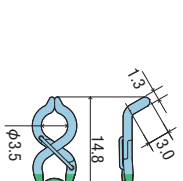
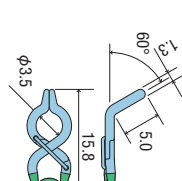
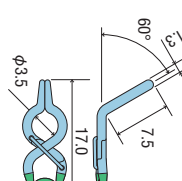
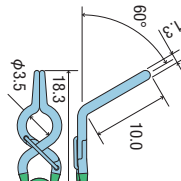
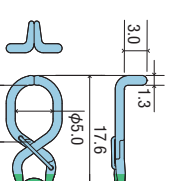
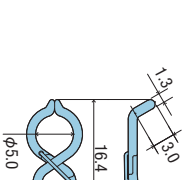
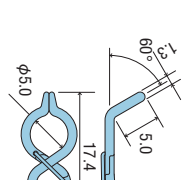
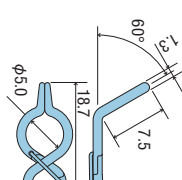
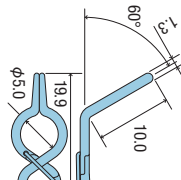
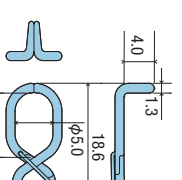
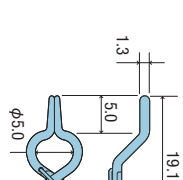
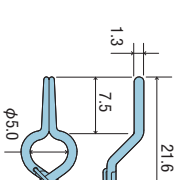
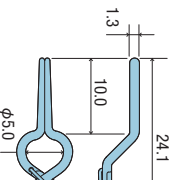
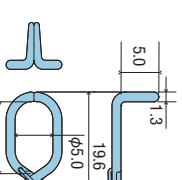
* All Clips are packaged non-sterile.

17-001-08 No.8 Curved  9.5 (mm)150 (g)1.47 (N)	17-001-68 No.68 (8B) Slightly Curved  10.0 (mm)150 (g)1.47 (N)	17-001-09 No.9 Slightly Curved  10.0 (mm)150 (g)1.47 (N)	17-001-62 No.62 ¼ Curved  9.0 (mm)150 (g)1.47 (N)	17-001-63 No.63 ¼ Curved  9.5 (mm)150 (g)1.47 (N)
17-001-69 No.69 Curved  9.5 (mm)150 (g)1.47 (N)	17-001-65 No.65 Slightly Curved  11.0 (mm)170 (g)1.67 (N)	17-001-66 No.66 Slightly Curved  11.0 (mm)170 (g)1.67 (N)	17-001-50 No.50 Slightly Curved  13.0 (mm)170 (g)1.67 (N)	17-001-17 No.17 Slightly Curved  15.5 (mm)170 (g)1.67 (N)
17-001-05 No.5 Sideward Bent  11.0 (mm)150 (g)1.47 (N)	17-001-06 No.6 Sideward Curved  10.0 (mm)150 (g)1.47 (N)	17-001-07 No.7 Sideward Curved Bayonet  12.0 (mm)150 (g)1.47 (N)	17-001-11 No.11 Sideward Bent  13.5 (mm)170 (g)1.67 (N)	
17-001-71 No.71 (19B) Bayonet  19.0 (mm)170 (g)1.67 (N)	17-001-72 No.72 (19C) Straight  18.0 (mm)170 (g)1.67 (N)	17-001-90 No.90 Straight  20.5 (mm)200 (g)1.96 (N)	17-001-91 No.91 Straight  23.5 (mm)200 (g)1.96 (N)	17-001-92 No.92 Straight  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  9.0 (mm)150 (g)1.47 (N)	17-006-39 No.145 Straight  10.0 (mm)150 (g)1.47 (N)	17-001-26 No.26 Straight  11.0 (mm)150 (g)1.47 (N)	17-001-27 No.27 Straight  13.0 (mm)150 (g)1.47 (N)	17-001-28 No.28 Straight  14.5 (mm)150 (g)1.47 (N)
17-006-40 No.146 Straight  11.0 (mm)150 (g)1.47 (N)	17-001-29 No.29 Straight  12.0 (mm)150 (g)1.47 (N)	17-001-30 No.30 Straight  14.0 (mm)150 (g)1.47 (N)	17-001-31 No.31 Straight  15.5 (mm)150 (g)1.47 (N)	
17-006-35 No.141 Bent  8.0 (mm)150 (g)1.47 (N)	17-001-32 No.32 Bent  8.5 (mm)150 (g)1.47 (N)	17-001-33 No.33 Bent  9.0 (mm)150 (g)1.47 (N)	17-001-34 No.34 Bent  10.0 (mm)150 (g)1.47 (N)	17-006-01 No.107 L-Shaped  9.5 (mm)150 (g)1.47 (N)
17-006-36 No.142 Bent  9.0 (mm)150 (g)1.47 (N)	17-001-35 No.35 Bent  9.5 (mm)150 (g)1.47 (N)	17-001-36 No.36 Bent  10.0 (mm)150 (g)1.47 (N)	17-001-37 No.37 Bent  11.0 (mm)150 (g)1.47 (N)	17-006-02 No.108 L-Shaped  10.0 (mm)150 (g)1.47 (N)
17-001-44 No.44 Bayonet  10.5 (mm)150 (g)1.47 (N)	17-001-45 No.45 Bayonet  12.0 (mm)150 (g)1.47 (N)	17-001-46 No.46 Bayonet  13.5 (mm)150 (g)1.47 (N)		17-006-03 No.109 L-Shaped  11.0 (mm)150 (g)1.47 (N)

Tray F

17-010-95

Standard

* All Clips are packaged non-sterile.

Prod. Code		1/1 size		image din. (mm)	
Model No.					
Max opening		Closing force (±7.5%)			
17-006-43	No.149	L-Shaped		7.5 (mm)	150 (g) 1.47 (N)
17-001-38	No.38	L-Shaped		7.5 (mm)	150 (g) 1.47 (N)
17-001-39	No.39	L-Shaped		7.5 (mm)	150 (g) 1.47 (N)
17-001-40	No.40	L-Shaped		7.5 (mm)	150 (g) 1.47 (N)
17-006-37	No.143	L-Shaped		8.5 (mm)	150 (g) 1.47 (N)
17-001-41	No.41	L-Shaped		8.5 (mm)	150 (g) 1.47 (N)
17-001-42	No.42	L-Shaped		8.5 (mm)	150 (g) 1.47 (N)
17-001-43	No.43	L-Shaped		8.5 (mm)	150 (g) 1.47 (N)
17-001-79	No.79	L-Shaped Curved to R		8.5 (mm)	150 (g) 1.47 (N)
17-001-74	No.74	L-Shaped Curved to L		8.5 (mm)	150 (g) 1.47 (N)
17-001-75	No.75	L-Shaped Curved to L		8.5 (mm)	150 (g) 1.47 (N)
17-001-76	No.76	L-Shaped Curved to L		8.5 (mm)	150 (g) 1.47 (N)
17-001-77	No.77	L-Shaped Curved to R		8.5 (mm)	150 (g) 1.47 (N)
17-001-78	No.78	L-Shaped Curved to R		8.5 (mm)	150 (g) 1.47 (N)
17-002-04	No.F01	Straight Angled		11.0 (mm)	150 (g) 1.47 (N)
17-002-05	No.F02	Straight Angled		12.0 (mm)	150 (g) 1.47 (N)
17-002-07	No.F06	Bent Angled to R		9.0 (mm)	150 (g) 1.47 (N)
17-002-08	No.F07	Bent Angled to R		10.0 (mm)	150 (g) 1.47 (N)
17-002-09	No.F08	Bent Angled to L		9.0 (mm)	150 (g) 1.47 (N)
17-002-10	No.F09	Bent Angled to L		10.0 (mm)	150 (g) 1.47 (N)
17-002-11	No.F11	L-Shaped Angled to R		8.0 (mm)	150 (g) 1.47 (N)
17-002-12	No.F12	L-Shaped Angled to R		8.0 (mm)	150 (g) 1.47 (N)
17-002-13	No.F13	L-Shaped Angled to L		8.0 (mm)	150 (g) 1.47 (N)
17-002-14	No.F14	L-Shaped Angled to L		8.0 (mm)	150 (g) 1.47 (N)

Tray G

17-010-96

Mini TemporaryStandard Temporary

* All Clips are packaged non-sterile.

Prod. Code		1/1 size		image din. (mm)	
Model No.					
Max opening		Closing force (±7.5%)			
17-006-27	No.133	Straight		6.0 (mm)	70 (g) 0.69 (N)
17-006-28	No.134	Straight		6.5 (mm)	70 (g) 0.69 (N)
17-001-56	No.56	Straight		7.0 (mm)	70 (g) 0.69 (N)
17-001-58	No.58	Straight Slim		7.0 (mm)	70 (g) 0.69 (N)
17-006-29	No.135	Straight		7.5 (mm)	70 (g) 0.69 (N)
17-006-30	No.136	Straight		8.0 (mm)	70 (g) 0.69 (N)
17-006-23	No.129	Straight		9.5 (mm)	70 (g) 0.69 (N)
17-006-24	No.130	Straight		12.5 (mm)	70 (g) 0.69 (N)
17-001-57	No.57	Bent		7.0 (mm)	70 (g) 0.69 (N)
17-001-51	No.51	Straight		9.0 (mm)	70 (g) 0.69 (N)
17-001-52	No.52	Straight		10.5 (mm)	70 (g) 0.69 (N)
17-006-31	No.137	Straight		12.0 (mm)	70 (g) 0.69 (N)
17-006-32	No.138	Straight		13.5 (mm)	70 (g) 0.69 (N)
17-006-33	No.139	Straight		16.5 (mm)	70 (g) 0.69 (N)
17-001-53	No.53	Bayonet		11.5 (mm)	70 (g) 0.69 (N)
17-001-54	No.54	Bent		9.5 (mm)	70 (g) 0.69 (N)
17-001-55	No.55	Slightly Curved		11.0 (mm)	70 (g) 0.69 (N)
17-006-34	No.140	Slightly Curved		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

No. 56 No. 58 No. 57

No. 51 No. 52 No. 53 No. 54 No. 55

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)

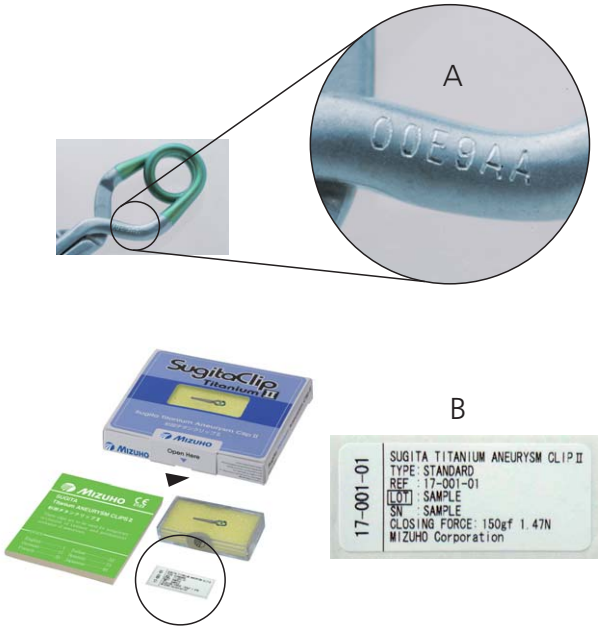
Lot numbers, laser etched on each clip, permit long-term traceability throughout the treatment period, and enable detailed clip data to be easily obtained, should the need arise.

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

*** ミズホ脳動脈瘤クリップ利用書カード ***
MIZUHO Aneurysm Clip
Patient Identification Card

氏名 / Name _____ 男 / 女 _____
生年月日 _____ 年 _____ 月 _____ 日
TEL: 03-3815-3096
FAX: 03-3813-5068
E-mail: sugitacips@mizuho.co.jp

製造販売元:
ミズホ株式会社
〒113-0033
東京都文京区本郷3-30-13
TEL: 03-3815-3096
FAX: 03-3813-5068
E-mail: sugitacips@mizuho.co.jp

Manufacturer:
MIZUHO Corporation
3-30-13, Hongo, Bunkyo-ku
Tokyo 113-0033, Japan
Phone: 03-3815-3096
Fax: 03-3813-5068
E-mail: sugitacips@mizuho.co.jp

緊急連絡先 Emergency information
氏名 / Name _____ 本人との関係 / Relationship _____
住所 / Address _____
電話番号 / Phone _____

MIZUHO Corporation

If folded in two the card will be passport size and easy to carry with you.

Clip User Card

注意: このカードの所持者には下記の脳動脈瘤手術用クリップがインプリントされています。
ミズホ株式会社製の脳動脈瘤手術用クリップの素材はコバルトクロム合金、あるいはチタン合金で、どちらのクリップも3T
(テスラ)以下のMRI(磁気共鳴画像診断装置)にて影響なく使用できることが確認されています。(但し、検査機器整備条件により)
アーチファクトが発生する場合があります。3テスラ以上の強磁場MRIによる検査ではクリップの移動を招く危険性があります。
WARNING: The bearer of this card has undergone aneurysm clipping surgery and the clips are implanted. SUGITA
aneurysm clips are made of Cobalt-chromium alloy or titanium alloy. Both have been tested and show no affects under
MRI (Magnetic Resonance Imaging) up to three (3) Tesla. However, artifacts may occur depending on MRI scanning
condition. Magnetic field stronger than 3 Tesla may result severe incidents caused by clip displacement.

製品番号 MIZUHO reference number _____
シリアル/ロット番号 MIZUHO identification number (SN / Lot) _____

製品番号 MIZUHO reference number _____
シリアル/ロット番号 MIZUHO identification number (SN / Lot) _____

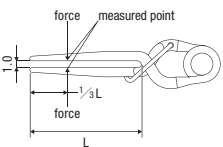
製品番号 MIZUHO reference number _____
シリアル/ロット番号 MIZUHO identification number (SN / Lot) _____

製品番号 MIZUHO reference number _____
シリアル/ロット番号 MIZUHO identification number (SN / Lot) _____

手術実施医療機関 Hospital Information
施設名 Hospital _____
住所 Address _____
電話番号 Phone _____
主治医署名 Surgeon name _____

手術日 Surgery date _____ カルテ番号 Patient medical record no. _____
年 _____ 月 _____ 日

Specification
Please stick label on this
user card.



Method of measuring the closing force shall be in accordance with <ISO09713>.

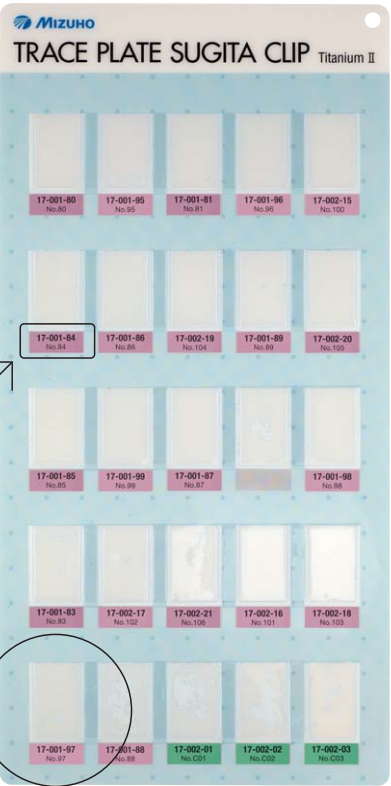
Closing Force – In accordance with ISO09713, closing force is measured by opening the clip 1.0 mm. A computerized gauge meter measures force 1/3 blade length from the distal tip. Results are indicated on the clip label in both Newtons and grams.

Trace Plate Instruction Manual

Clip Tray

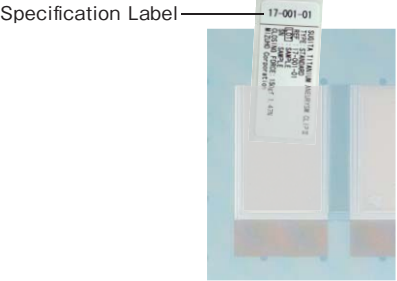


Trace Plate



The pocket position corresponds to the case arrangement.

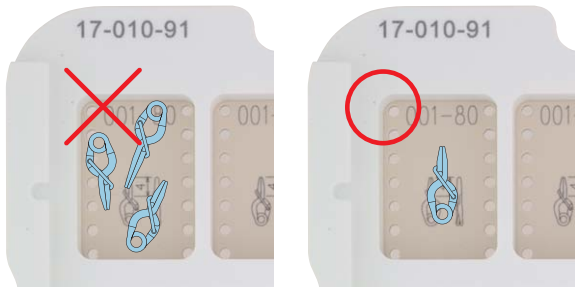
Please attach product code stickers on Trace Plate.



Please insert a Specification Label in pockets and attach to patient record and clip user card immediately after clip implantation.

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.
 - A pocket for a Specification Label is laid out with the same arrangement as each numbered compartment of the case.
 - Be careful not to put in or take out an incorrect label.
- Caution Do not sterilize a Trace Plate and a Specification Label. They cannot be sterilized.
- 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.
 - Please insert a Specification Label in the proper pocket upon replenishment of the clips.



Multiple Clips

One Clip Only

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.



Specification Label

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



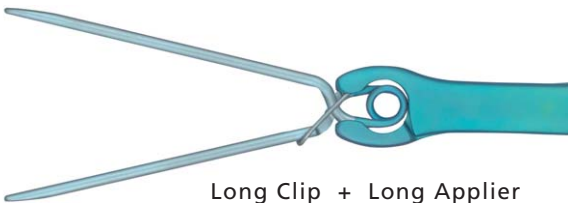
Mini Clip + Mini Applier



Mini Temporary Clip + Mini Applier

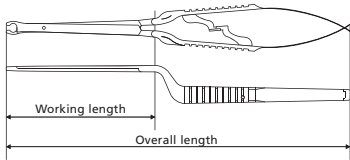


Sugita Titanium Clip II Applier Long



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.



Straight
(Front view)



Straight
(Side view)



15°
(Side view)



30°
(Side view)



Laterally angled
(Front view)



Sugita Titanium Clip II (T2) Applier

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

Instruments

Single Shaft Appliers

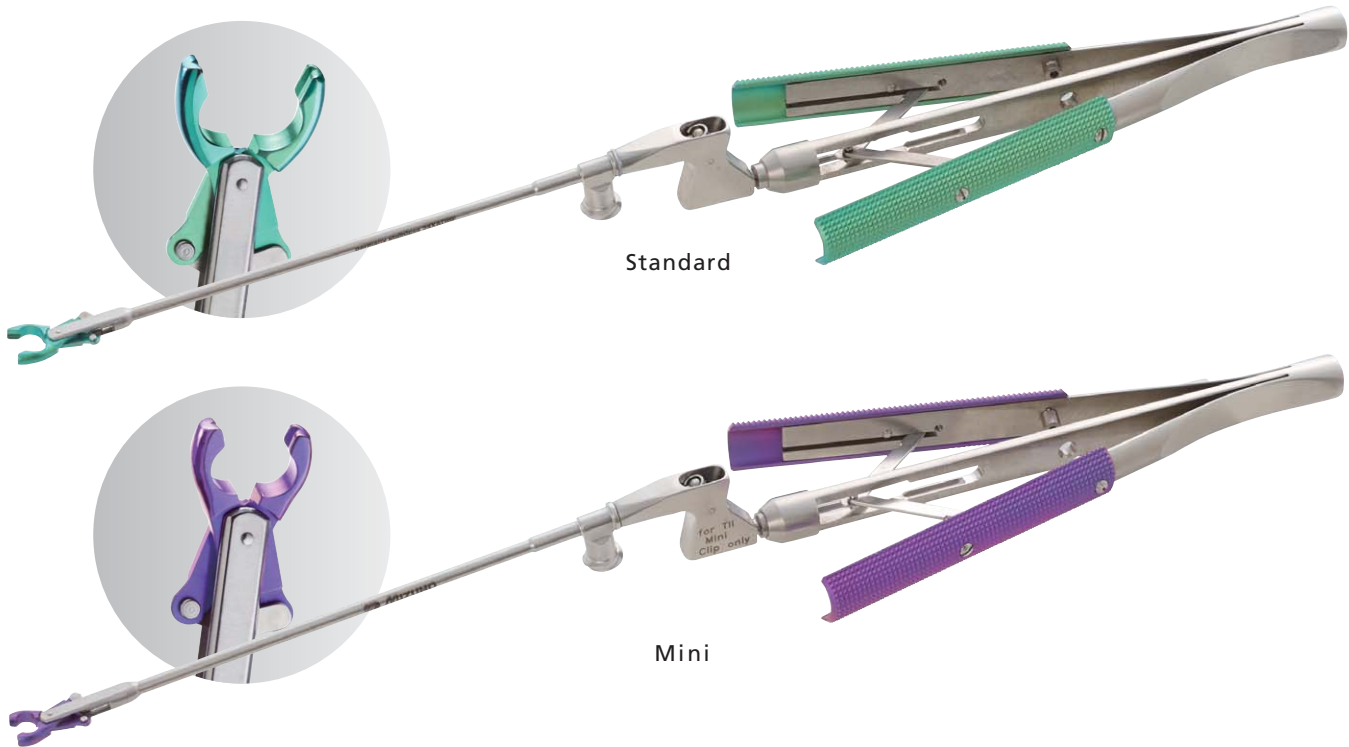
360 degree
shaft rotation



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

Single Shaft Appliers



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

New Fukushima Keyhole T2 Clip Appliers



For Superior Visibility and Performance

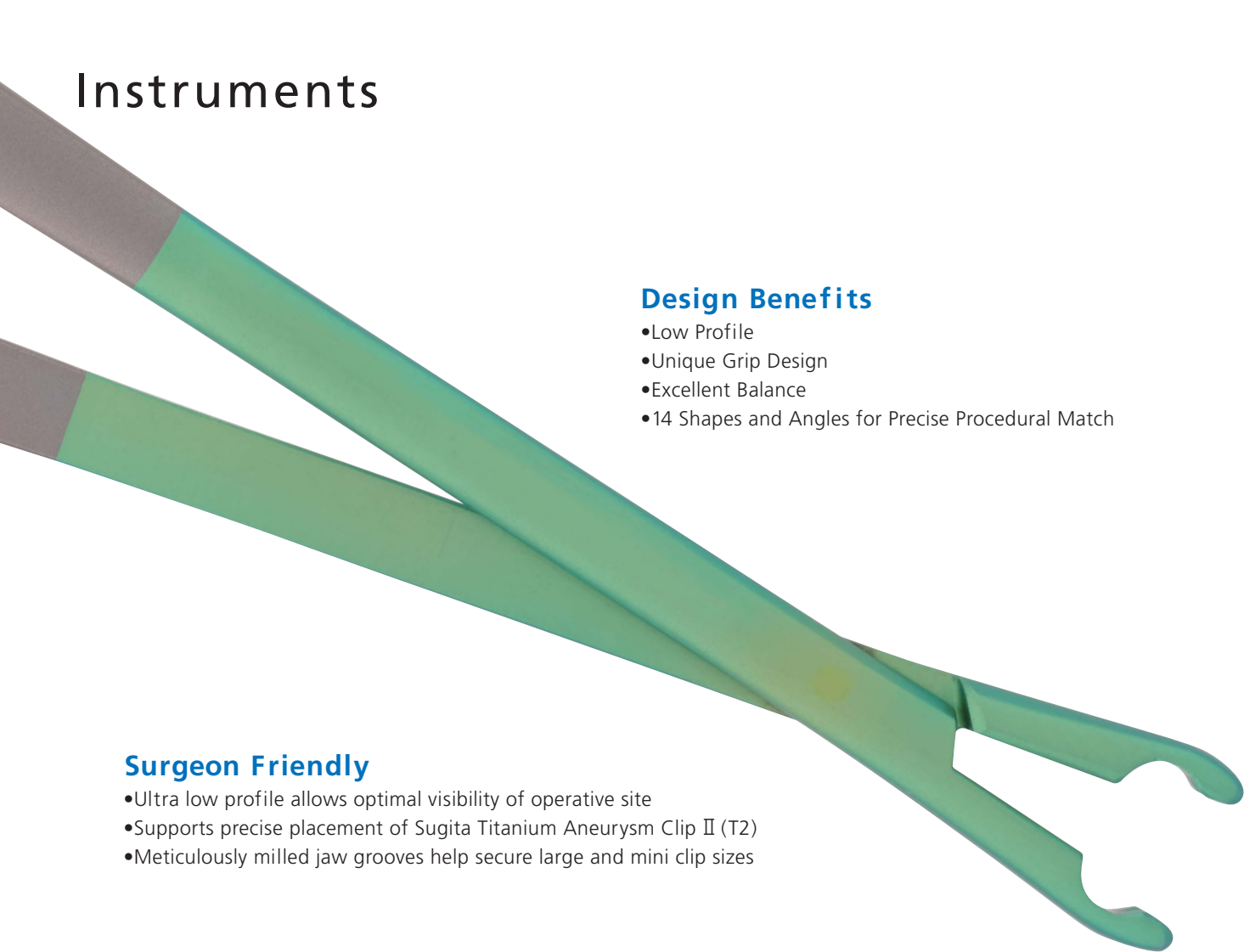


Supervised by
Dr. Takanori Fukushima

Carolina skull base surgery center director /
Duke University Professor of Neurosurgery
Moriyama Memorial Hospital Fukushima
Takanori Neurological Center Senior Advisor
Tokyo Clinic Fukushima Takanori
Neurological Center Senior Advisor



Instruments

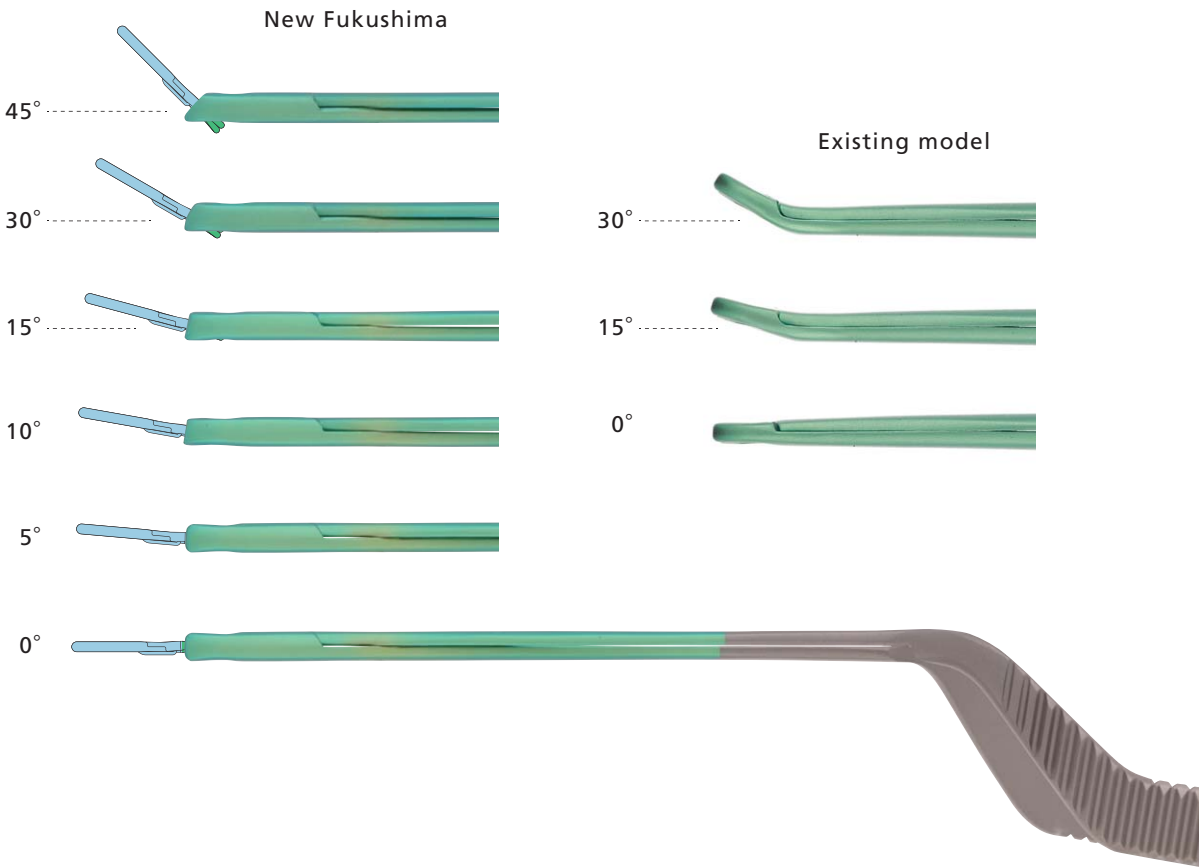


Design Benefits

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

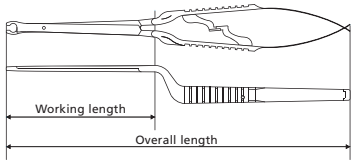
Surgeon Friendly

- 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

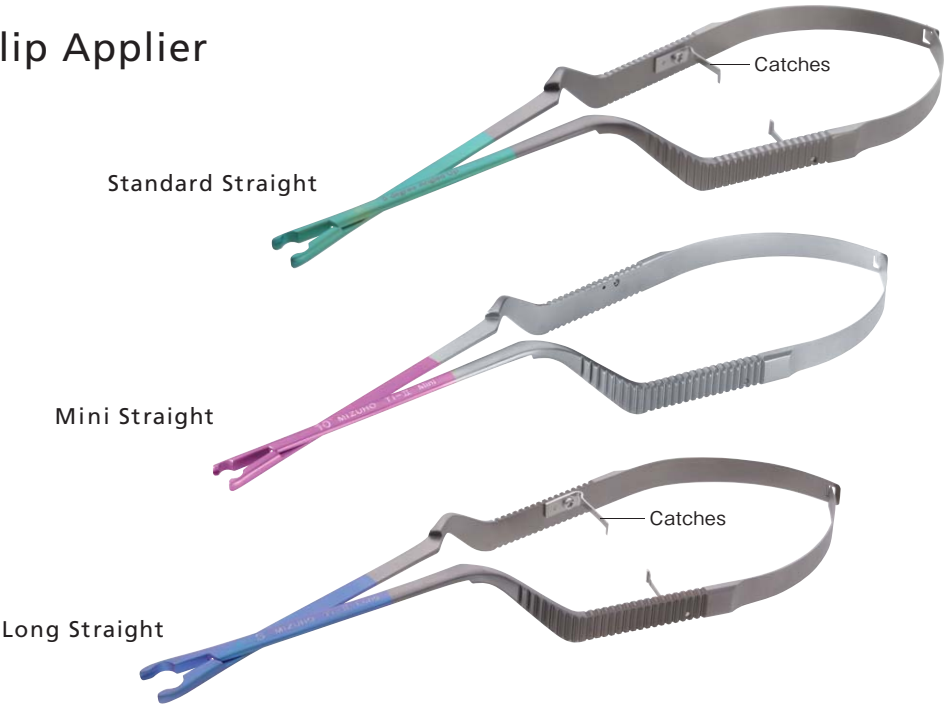


Instruments Spec

Fukushima Keyhole Clip Applier



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

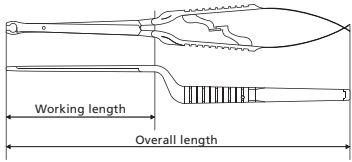


Product Code	Product Name	Overall length	Working length
1 7 - 0 1 5 - 0 1	Standard Straight	218mm	85mm
1 7 - 0 1 5 - 0 2	Standard 5 degree Angled Up		
1 7 - 0 1 5 - 0 3	Standard 10 degree Angled Up		
1 7 - 0 1 5 - 0 4	Standard 15 degree Angled Up		
1 7 - 0 1 5 - 0 5	Standard 15 degree Angled Down		
1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

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

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

Instruments Spec

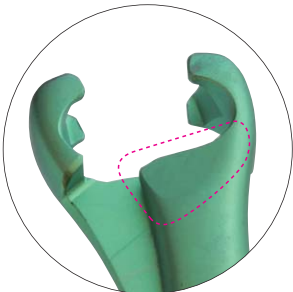


Effective length of appliers
This is the length from the clip holder tip.

Remover



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		

Swivel Angle Applier



Actual size

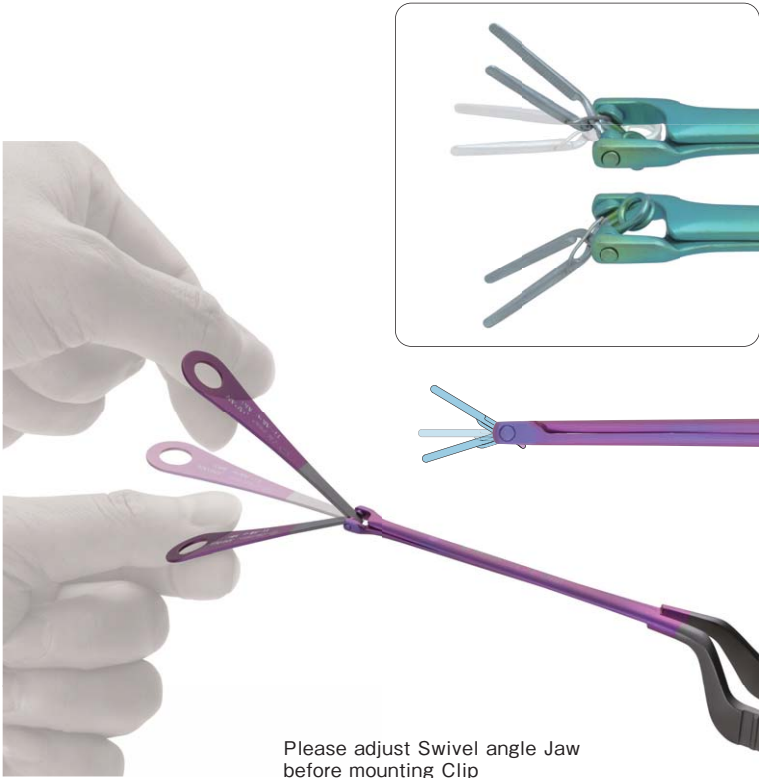
Swivel angle jaw on slim shaft body



Swivel angle Applier for Standard



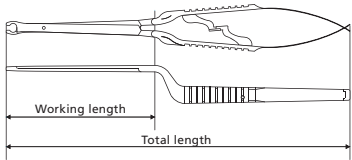
Swivel angle Applier for Mini



Please adjust Swivel angle Jaw before mounting Clip

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

Instruments Spec



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

SANO Double-Action Applier

Actual size

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

Catches

Sano Double Action for Standard

Catches

Sano Double Action for Mini

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

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

SANO All-Angle Applier

Actual size

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

Catches

Sano All-Angle for Standard

Catches

Sano All-Angle for Mini

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

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

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

Sugita Titanium Clip II (T2) Tray



(Photo shows case set.)

Clip Tray

Product Code	Product Name
1 7 - 0 1 0 - 9 0	Sugita Aneurysm Clip Organizational Tray (Clip Tray basket Not Applier case)
1 7 - 0 1 0 - 9 1	Sugita T2 Clip Tray B (For Mini and Standard Crankshaft clips)
1 7 - 0 1 0 - 9 2	Sugita T2 Clip Tray C (For Standard Straight, Curved and L shaped clips)
1 7 - 0 1 0 - 9 3	Sugita T2 Clip Tray D (For Standard Curved and Long clips)
1 7 - 0 1 0 - 9 4	Sugita T2 Clip Tray E (For Standard Fenestrated clips)
1 7 - 0 1 0 - 9 5	Sugita T2 Clip Tray F (For Standard Fenestrated L Shaped clips)
1 7 - 0 1 0 - 9 6	Sugita T2 Clip Tray G (For All Temporary and Booster clips)
1 7 - 0 1 0 - 9 7	Sugita T2 Clip Tray H (Customizable Tray for Standard and Mini clips with 25 blank pockets)
1 7 - 0 1 0 - 9 8	Sugita T2 Clip Tray I (Customizable Tray for Standard, Mini and Long clips with 20 blank pockets)
1 7 - 0 1 0 - 9 9	Sugita T2 Clip Tray J (For Temporary clips 001-51 to 58 only)

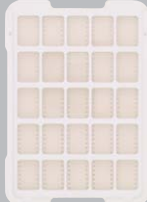


Identification tag -

17-010-90 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.

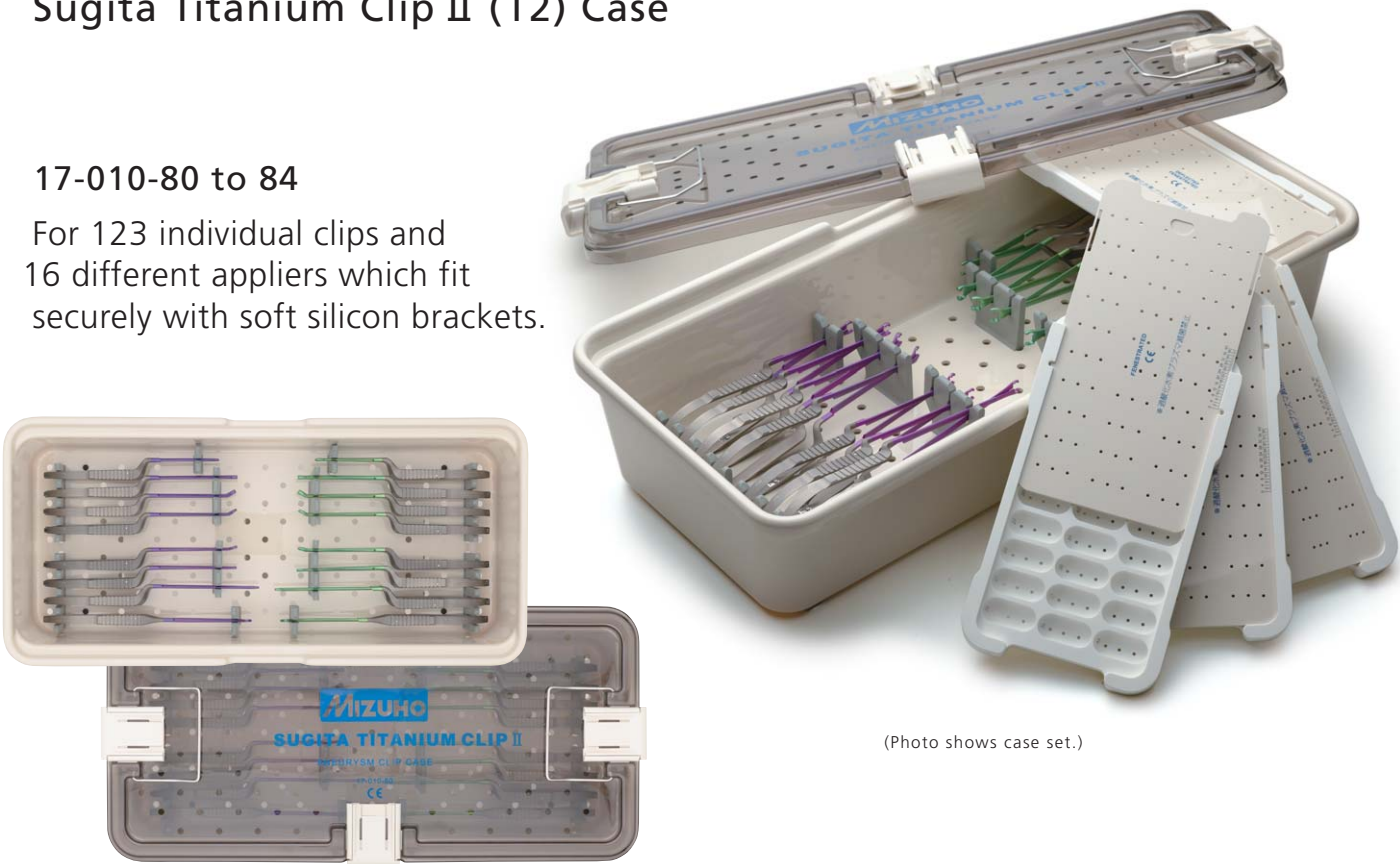
Clip Tray B	Clip Tray C	Clip Tray D	Clip Tray E	Clip Tray F	Clip Tray G	Clip Tray H
17-010-91	17-010-92	17-010-93	17-010-94	17-010-95	17-010-96	17-010-97
17-001-80	17-001-01	17-001-08	17-006-38	17-006-43	17-006-27	Customizable
17-001-95	17-001-02	17-001-68	17-006-39	17-001-38	17-006-28	
17-001-81	17-001-10	17-001-09	17-001-26	17-001-39	17-001-56	
17-001-96	17-001-15	17-001-62	17-001-27	17-001-40	17-001-58	
17-002-15	17-001-18	17-001-63	17-001-28	17-006-37	17-006-29	
17-001-84	17-001-70	17-001-69	17-006-40	17-001-41	17-006-30	
17-001-86	17-001-03	17-001-65	17-001-29	17-001-42	17-006-23	
17-002-19	17-001-13	17-001-66	17-001-30	17-001-43	17-006-24	
17-001-89	17-001-14	17-001-50	17-001-31	17-001-79	17-001-57	
17-002-20	17-001-16	17-001-17	17-006-35	17-001-74	17-001-51	
17-001-85	17-001-04	17-001-05	17-001-32	17-001-75	17-001-52	
17-001-99	17-001-64	17-001-06	17-001-33	17-001-76	17-006-31	Clip Tray I
17-001-87	17-001-12	17-001-07	17-001-34	17-001-77	17-006-32	17-010-98
17-001-98	17-001-47	17-001-11	17-006-01	17-001-78	17-006-33	Customizable
17-001-83	17-001-48	17-001-71	17-006-36	17-002-04	17-001-53	
17-002-17	17-001-49	17-001-72	17-001-35	17-002-05	17-001-54	
17-002-21	17-001-23	17-001-90	17-001-36	17-002-07	17-001-55	
17-002-16	17-001-24	17-001-91	17-001-37	17-002-08	17-006-34	
17-002-18	17-001-25	17-001-92	17-006-02	17-002-09	17-002-00	
17-001-97	17-001-73		17-001-44	17-002-10		
17-001-88	17-001-20		17-001-45	17-002-11		
17-002-01	17-001-21		17-001-46	17-002-12		
17-002-02	17-001-22		17-006-03	17-002-13		
17-002-03	17-001-60			17-002-14		
	17-001-61					Clip Tray J
						17-010-99
						17-001-56
						17-001-58
						17-001-57
						17-001-51
						17-001-52
						17-001-53
						17-001-54
						17-001-55

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

Sugita Titanium Clip II (T2) Case

17-010-80 to 84

For 123 individual clips and 16 different applicators which fit securely with soft silicon brackets.

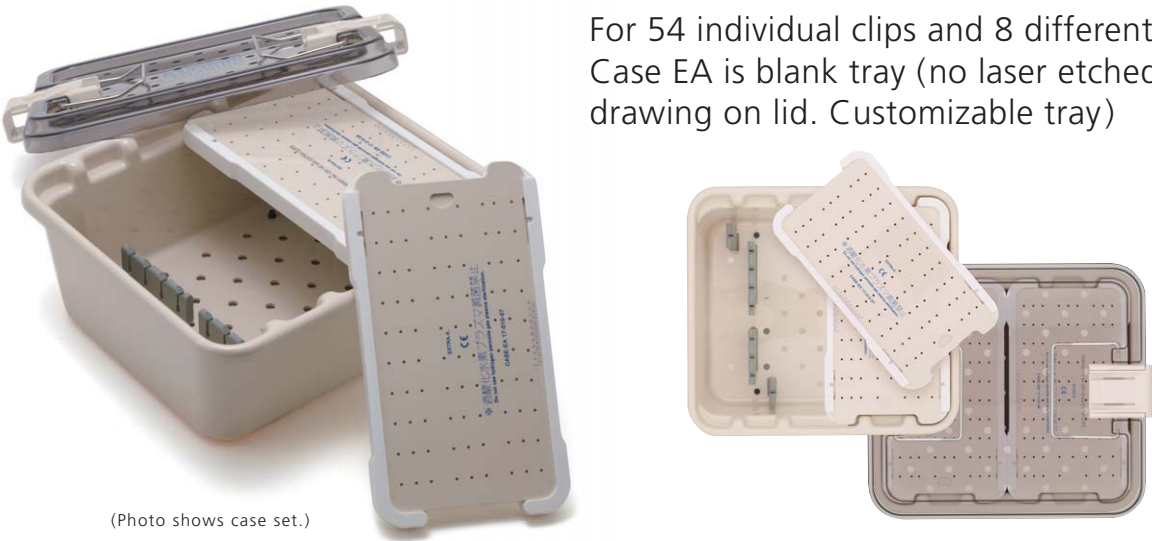


(Photo shows case set.)

Product Code	Product Name
1 7 - 0 1 0 - 8 0	Sugita Titanium Clip II Case A for Applicators
1 7 - 0 1 0 - 8 1	Sugita Titanium Clip II Case B for Mini, Temporary and Standard Clips
1 7 - 0 1 0 - 8 2	Sugita Titanium Clip II Case C for Standard Clips
1 7 - 0 1 0 - 8 3	Sugita Titanium Clip II Case D for Fenestrated Clips
1 7 - 0 1 0 - 8 4	Sugita Titanium Clip II Case E for Standard, Fenestrated and Long Clips

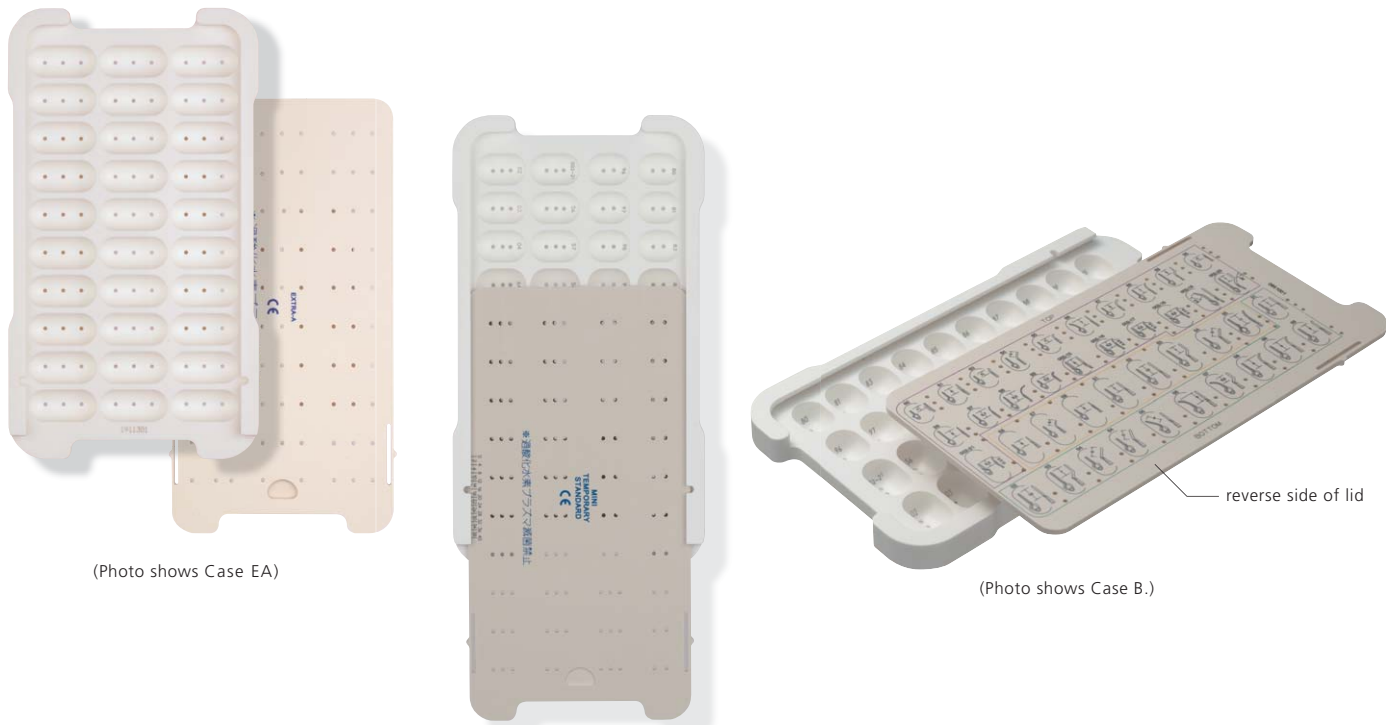
Half Size Case 17-010-06,07, and 08

For 54 individual clips and 8 different applicators. Case EA is blank tray (no laser etched clip drawing on lid. Customizable tray)



(Photo shows case set.)

Product Code	Product Name
1 7 - 0 1 0 - 0 6	Aneurysm Clip Case Half Size (Applicators)
1 7 - 0 1 0 - 0 7	Aneurysm Clip Case EA (Blank tray for Standard and Mini with 30 pockets)
1 7 - 0 1 0 - 0 8	Aneurysm Clip Case EB (Blank tray for Standard, Mini and Long with 24 pockets)



(Photo shows Case EA)

(Photo shows Case B.)

Case B, C, D and E (Photo shows Case B)

CASE EA 1 7 - 0 1 0 - 0 7	CASE EB 1 7 - 0 1 0 - 0 8	CASE B 1 7 - 0 1 0 - 8 1	CASE C 1 7 - 0 1 0 - 8 2	CASE D 1 7 - 0 1 0 - 8 3	CASE E 1 7 - 0 1 0 - 8 4
Customizable 	1 7 - 0 0 6 - 2 3 1 7 - 0 0 6 - 2 4 1 7 - 0 0 6 - 2 7 1 7 - 0 0 6 - 2 8 1 7 - 0 0 6 - 2 9 1 7 - 0 0 6 - 3 0 1 7 - 0 0 6 - 3 1 1 7 - 0 0 6 - 3 2 1 7 - 0 0 6 - 3 3 1 7 - 0 0 6 - 3 4	1 7 - 0 0 1 - 0 1 1 7 - 0 0 1 - 0 2 1 7 - 0 0 1 - 0 3 1 7 - 0 0 1 - 0 4 1 7 - 0 0 1 - 0 5 1 7 - 0 0 1 - 0 6 1 7 - 0 0 1 - 0 7 1 7 - 0 0 1 - 0 8 1 7 - 0 0 2 - 0 1 1 7 - 0 0 2 - 0 2 1 7 - 0 0 2 - 0 3 1 7 - 0 0 1 - 5 1 1 7 - 0 0 1 - 5 2 1 7 - 0 0 1 - 5 3 1 7 - 0 0 1 - 5 4 1 7 - 0 0 1 - 5 5 1 7 - 0 0 1 - 5 6 1 7 - 0 0 1 - 5 7 1 7 - 0 0 1 - 5 8 1 7 - 0 0 1 - 8 0 1 7 - 0 0 1 - 8 1 1 7 - 0 0 1 - 8 3 1 7 - 0 0 1 - 8 4 1 7 - 0 0 1 - 8 5 1 7 - 0 0 1 - 8 6 1 7 - 0 0 1 - 8 7 1 7 - 0 0 1 - 8 8 1 7 - 0 0 1 - 8 9 1 7 - 0 0 1 - 9 5 1 7 - 0 0 1 - 9 6 1 7 - 0 0 1 - 9 7 1 7 - 0 0 1 - 9 8 1 7 - 0 0 1 - 9 9 1 7 - 0 0 2 - 1 5 1 7 - 0 0 2 - 1 6 1 7 - 0 0 2 - 1 7 1 7 - 0 0 2 - 1 8 1 7 - 0 0 2 - 1 9 1 7 - 0 0 2 - 2 0 1 7 - 0 0 2 - 2 1	1 7 - 0 0 1 - 0 9 1 7 - 0 0 1 - 1 0 1 7 - 0 0 1 - 1 1 1 7 - 0 0 1 - 1 2 1 7 - 0 0 1 - 1 3 1 7 - 0 0 1 - 1 4 1 7 - 0 0 1 - 1 5 1 7 - 0 0 1 - 1 6 1 7 - 0 0 1 - 1 7 1 7 - 0 0 1 - 1 8 1 7 - 0 0 1 - 2 0 1 7 - 0 0 1 - 2 1 1 7 - 0 0 1 - 2 2 1 7 - 0 0 1 - 2 3 1 7 - 0 0 1 - 2 4 1 7 - 0 0 1 - 2 5 1 7 - 0 0 1 - 4 7 1 7 - 0 0 1 - 4 8 1 7 - 0 0 1 - 4 9 1 7 - 0 0 1 - 5 0 1 7 - 0 0 1 - 6 0 1 7 - 0 0 1 - 6 1 1 7 - 0 0 1 - 6 2 1 7 - 0 0 1 - 6 3 1 7 - 0 0 1 - 6 4 1 7 - 0 0 1 - 6 5 1 7 - 0 0 1 - 6 6 1 7 - 0 0 1 - 6 8 1 7 - 0 0 1 - 6 9 1 7 - 0 0 1 - 7 3	1 7 - 0 0 1 - 2 6 1 7 - 0 0 1 - 2 7 1 7 - 0 0 1 - 2 8 1 7 - 0 0 1 - 2 9 1 7 - 0 0 1 - 3 0 1 7 - 0 0 1 - 3 1 1 7 - 0 0 1 - 3 2 1 7 - 0 0 1 - 3 3 1 7 - 0 0 1 - 3 4 1 7 - 0 0 1 - 3 5 1 7 - 0 0 1 - 3 6 1 7 - 0 0 1 - 3 7 1 7 - 0 0 1 - 3 8 1 7 - 0 0 1 - 3 9 1 7 - 0 0 1 - 4 0 1 7 - 0 0 1 - 4 1 1 7 - 0 0 1 - 4 2 1 7 - 0 0 1 - 4 3 1 7 - 0 0 1 - 4 4 1 7 - 0 0 1 - 4 5 1 7 - 0 0 1 - 4 6 1 7 - 0 0 1 - 7 4 1 7 - 0 0 1 - 7 5 1 7 - 0 0 1 - 7 6 1 7 - 0 0 1 - 7 7 1 7 - 0 0 1 - 7 8 1 7 - 0 0 1 - 7 9 1 7 - 0 0 6 - 3 5 1 7 - 0 0 6 - 3 6 1 7 - 0 0 6 - 3 7	1 7 - 0 0 6 - 3 8 1 7 - 0 0 6 - 3 9 1 7 - 0 0 6 - 4 0 1 7 - 0 0 6 - 4 3 1 7 - 0 0 6 - 0 1 1 7 - 0 0 6 - 0 2 1 7 - 0 0 6 - 0 3 1 7 - 0 0 2 - 0 4 1 7 - 0 0 2 - 0 5 1 7 - 0 0 2 - 0 7 1 7 - 0 0 2 - 0 8 1 7 - 0 0 2 - 0 9 1 7 - 0 0 2 - 1 0 1 7 - 0 0 2 - 1 1 1 7 - 0 0 2 - 1 2 1 7 - 0 0 2 - 1 3 1 7 - 0 0 2 - 1 4 1 7 - 0 0 1 - 7 0 1 7 - 0 0 1 - 7 1 1 7 - 0 0 1 - 7 2 1 7 - 0 0 1 - 9 0 1 7 - 0 0 1 - 9 1 1 7 - 0 0 1 - 9 2

Ordering information

 : NO CE Mark Now under Application

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 15.0 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 10.0 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 L-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, 7.5 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 Titanium Aneurysm ClipⅡ (T2) Appliers and Removers

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

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

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

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

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

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

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

T2 Clip & Appliers Cases

Prod. Code	Description
17-010-06	Half Size Tray (Appliers)
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)

Prod. Code	Description
17-010-80	T2 Clip Case A for Appliers
17-010-81	T2 Clip Case B for Mini, Temporary and Standard Clips
17-010-82	T2 Clip Case C for Standard Clips
17-010-83	T2 Clip Case D for Fenestrated Clips
17-010-84	T2 Clip Case E for Standard, Fenestrated and Long Clips

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)