

Sugita® Aneurysm Clips



MIZUHO®

Mizuho

Sugita Aneurysm Clips



Features & Benefits

115 different patterns allow selection of the appropriate clip to meet the needs of the procedure.

Proper blade alignment is ensured with Mizuho's patented bridge-wire system. This unique design provides proper occlusion by ensuring that the jaw surfaces are precisely aligned down the entire length of the blade.

Optimal closing force is provided by the double-coil spring.

Elgiloy, a cobalt-chrome alloy, provides Sugita clips with excellent elasticity and tissue compatibility.

Sugita clips have been shown to be acceptable for use with MRI systems, of up to 1.5 Tesla, presently in clinical use.

The jaw profile, consisting of a pyramid-shaped inner surface design, helps to prevent clip slippage and evenly distributes the closing pressure throughout the full length of the jaw.

Streamlined profile reduces material volume and visual obstructions in the operative field.

Sterilization and storage cases are designed for ease of clip organization, selection, and stocking.

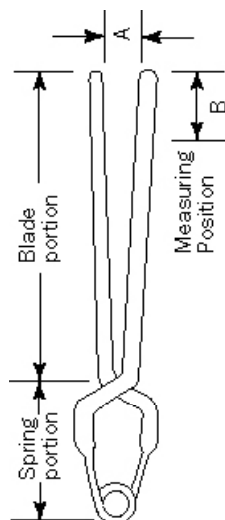
Production lot numbers are engraved on the blade of each clip and printed on the package and enclosed label to ensure proper quality control and tracking.

Blade holding force

Type	holding force (g)
Mini	100 – 130
Standard	110 – 150
Large	110 – 150
Fenestrated Large	110 – 150
Long	150 – 200
Mini Temporary	60 – 70
Temporary	60 – 70
Deflected	110 – 150

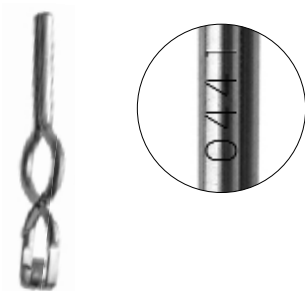
Blade holding force

Type	(A) opening width	(B) measuring position from tip of blades
Mini	1.0mm	1.0mm
Standard	1.5mm	2.0mm
Large	1.5mm	2.0mm
Fenestrated Large	1.5mm	2.0mm
Long	1.5mm	6.0mm
Deflected	1.5mm	2.0mm



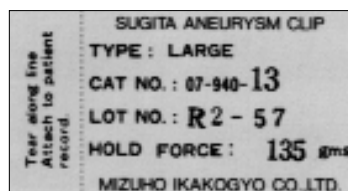
Holding force is measured at a point (B) along the length of the blade. Measurements are taken at an opening width of 1.0mm for mini clips and at a 1.5mm opening for all other clips.

Production Lot Numbers are engraved on the blade of each Sugita Aneurysm Clip to ensure proper quality control.

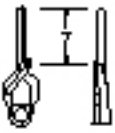
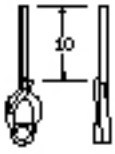
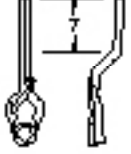

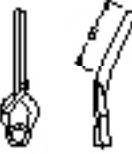

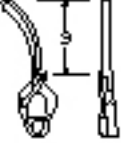


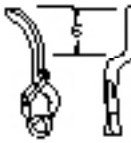
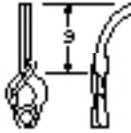
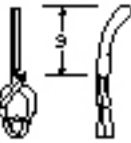
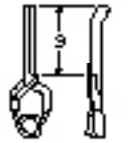
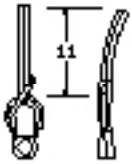
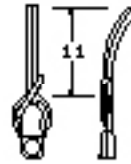
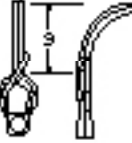
All Sugita clips are packaged nonsterile and can be placed in a storage and sterilization tray for use in the sterile field. This allows for proper and efficient clip selection during the surgical procedure.

Each Sugita Aneurysm Clip package includes a tear-off sticker with all pertinent product information. This sticker can be affixed to the patient chart. The same information is provided on the outer clip package for ease of reference.


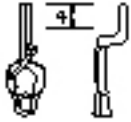
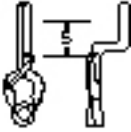


Standard type 1/1 (mm)

Cat. No. 07-940~	01	02	03	04	64 (4B)	05	06
name	Straight (S)	Straight (L)	Bayonet	Bent	Slightly bent	Sideward bent	Sideward cvd.
							
Opening width	8.0	9.0	9.0	8.0	8.0	9.0	9.0

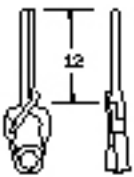
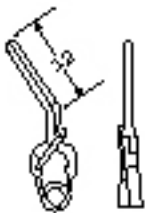
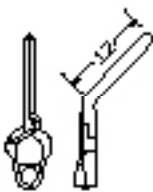
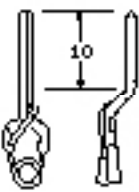
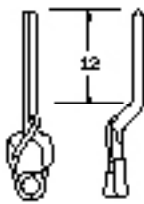
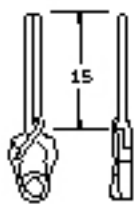
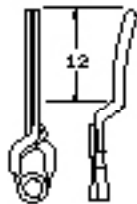
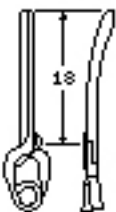
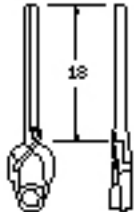
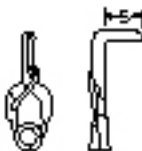
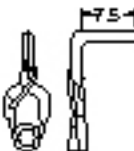
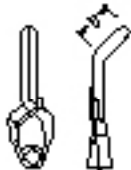
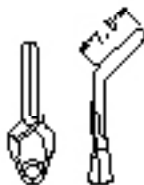
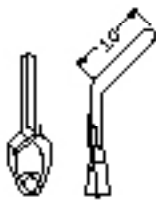
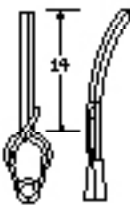
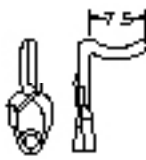
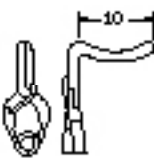
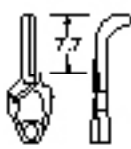
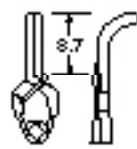
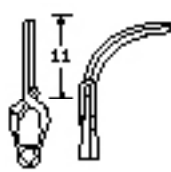
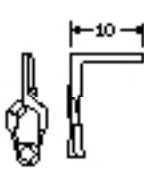

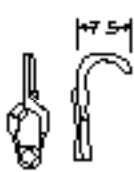
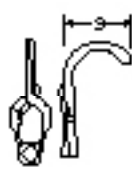
07	08	68 (8B)	09	65	66	69
Sideward cvd. Bayonet	Cvd.	Sideward cvd.	Slightly cvd.	Slightly cvd.	Medium cvd.	Cvd.
						
9.0	8.0	8.0	7.0	9.0	9.0	8.0

Standard Crankshaft type 1/1 (mm)

Cat. No. 07-943~	1	2	3
name			
			
Opening width	6.5	6.5	7.0

(S): short (M): medium (L): long

Large type 1/1 (mm)

10	11	12	13	14	15	16	Cat. No. 07-940~
Straight (S)	Sideward bent	Bent	Bayonet (S)	Bayonet (L)	Straight (M)	Slightly cvd. (S)	name
							
11.0	11.0	11.0	11.0	13.0	13.0	10.0	Opening width
17	18	20	21	47	48		
Slightly cvd. (L)	Straight (L)	L - Shaped (S)	L - Shaped (M)	45° angled (S)	45° angled (M)		
							
12.0	14.0	8.0	8.0	8.0	9.0		
49	50	60	61	62	63		
45° angled (L)	Slightly cvd.	L - Shaped w/cvd. (L)	L - Shaped w/cvd. (S)	1/4 cvd. (S)	1/4 cvd. (L)		
							
10.0	10.0	6.0	6.0	7.0	7.0		
73	22	23	24	25			
1/4 cvd.	L - Shaped	J - Shaped (S)	J - Shaped (M)	J - Shaped (L)			
							
8.0	8.0	8.0	8.0	8.0			

(S): short (M): medium (L): long

Fenestrated Large type 1/1 (mm)

Cat. No. 07-940~

	26	27	28	29	30	31	32
name	Straight (S)	Straight (M)	Straight (L)	Straight (S)	Straight (M)	Straight (L)	Bent (S)
Opening width	10.0	11.0	12.0	10.0	11.0	12.0	8.0

	33	34	35	36	37	38	39
	Bent (M)	Bent (L)	Bent (S)	Bent (M)	Bent (L)	L - Shaped (S)	L - Shaped (M)
	9.0	10.0	8.0	9.0	10.0	7.0	7.0

	40	41	42	43	44	45	46
	L - Shaped (L)	L - Shaped (S)	L - Shaped (M)	L - Shaped (L)	Bayonet	Bayonet	Bayonet
	7.0	8.0	8.0	8.0	9.0	10.0	11.0

	74	75	76	77	78	79
	L - Shaped cvd. to L(S)	L - Shaped cvd. to L(M)	L - Shaped cvd. to L(L)	L - Shaped cvd. to R(S)	L - Shaped cvd. to R(M)	L - Shaped cvd. to R(L)
	8.0	8.0	8.0	8.0	8.0	8.0

(S): short (M): medium (L): long

Temporary Standard type- Cat. No. 07-940~

51	52	53	54	55	10	15	50
Straight (S)	Straight (L)	Bayonet	Bent	Slightly cvd.	Straight (S)	Straight (M)	Slightly cvd.
8.0	9.0	9.0	8.0	9.0	11.0	13.0	10.0

Temporary Mini type 1/1 (mm)

56	57	58	Cat. No. 07-940~
Straight	Bent	Straight (SLIM)	name
5.0	4.0	5.0	Opening width

Mini type 1/1 (mm)

80	81	83	84	85	86	87	Cat. No. 07-940~
Straight (S)	Straight (S)	Slightly Cvd.	Bent	Cvd.	Sideward cvd.	Cvd.	name
3.5	5.0	3.5	4.0	3.5	5.0	4.0	Opening width

88	89	95	96	97	98	99
Cvd.	Bayonet	Straight (SLIM)	Straight (SLIM)	Cvd. (SLIM)	Cvd. (SLIM)	Cvd. (SLIM)
4.0	5.0	3.5	5.0	4.0	4.0	3.5

(S): short (M): medium (L): long

Deflected Large type (mm)

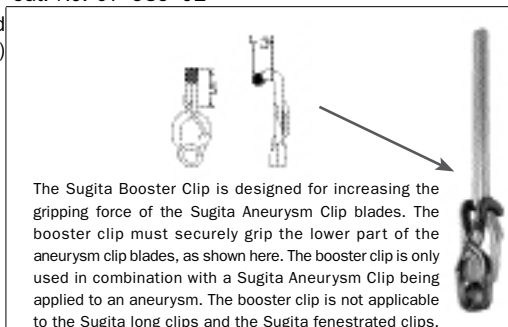
Cat. No. 07-938~	01	02	03	06	07	08	09
name	Angled (S)	Angled (M)	Angled (L)	70° angled to R(S)	70° angled to R(M)	70° angled to L(S)	70° angled to L(M)
Opening width	8.0	9.0	10.0	8.0	8.0	8.0	8.0

11	12	13	
L - Shaped angled to R(S)	L - Shaped angled to R(M)	L - Shaped angled to L(S)	
7.0	7.0	7.0	7.0

Booster Clip 1/1 (mm) Standard Size

Cat. No. 07-939-01

L - Shaped angled to L(M)



Holding Force: 260-325 grams

Large type 1/1 (mm)

Cat. No. 07-940~	19 A	19 B	19 C
name	Straight	Bayonet	Straight
Opening width	17.0	19.0	18.0

Long type 1/1 (mm)

90	91	92
19.0	21.0	23.0

(S): short (M): medium (L): long

length 20 cm	for Standard/Large Clips	length 21.5 cm
07-941-01	straight	07-941-60
07-941-02	15° angled	N/A
07-941-03	30° angled	07-941-61
07-941-04	sideward angled	N/A



length 20 cm	for Mini Clips	length 21.5 cm
07-942-01	straight	07-942-62
07-942-02	30° angled	07-942-63
N/A	sideward angled	07-942-64

length 20 cm	for Long Clips	(90, 91, 92)
07-948-10	straight	Also serves as a remover.

Material 420 Stainless Steel with tip insert of elgiloy (cobalt chrome alloy)

Sugita Clip Applying Forceps (21.5 cm) have 1.5 cm longer shafts

Standard/Large



Standard/Large
Sideward Angled



Angled 15°



Angled 30°



Mini



Feature
Blackened handle indicates applier is designed for mini clips only.



Long



The line of Sugita clip appliers and removers was designed to be used exclusively with Sugita clips. Sugita appliers and removers have elgiloy inserts in their jaws, making them compatible with the metallurgic properties of Sugita clips.

Sugita Clip Remover

Mizuho

Unique jaw design facilitates quick disengagement and removal of clip.

For use with all Sugita Clips except numbers 90, 91, 92.



Magnification of clip holding portion.



07-949-01 length 20 cm straight



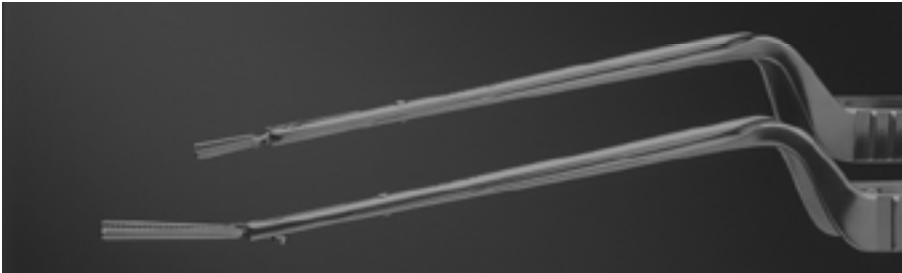
07-949-02 length 20 cm angled 30°



Slim Line Applier

Low profile applier allows for optimal visibility in the operative site. For use with standard and large clips.

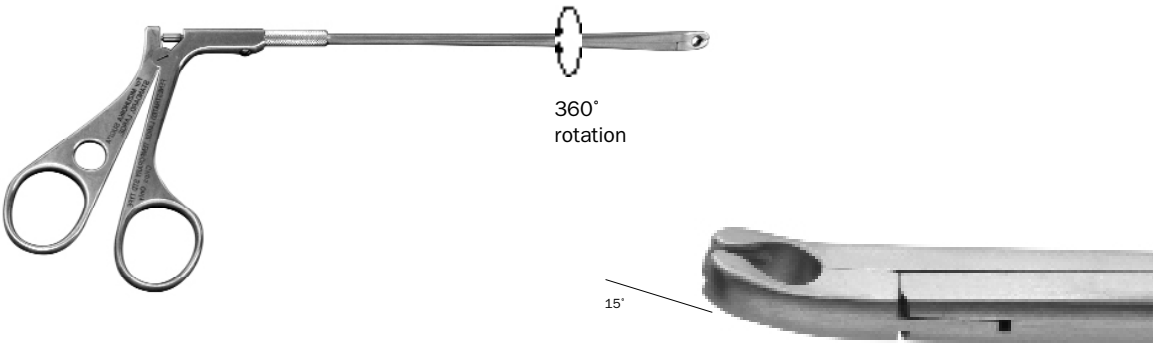
07-941-51 length 20 cm Straight



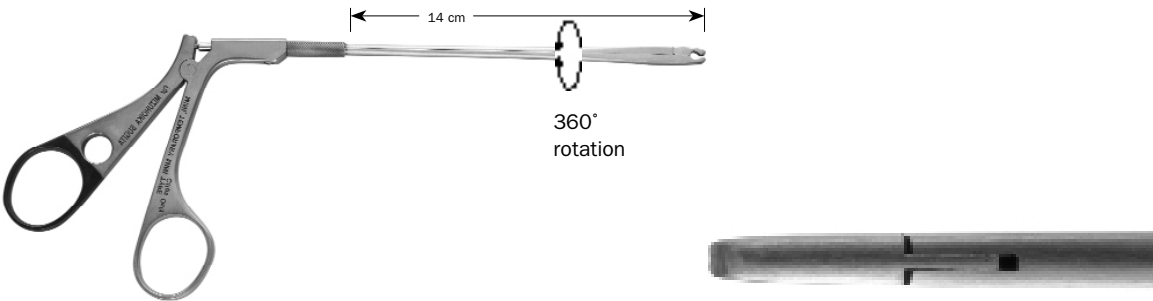
07-941-52 length 20 cm angled 15°

Material 420 Stainless Steel with tip insert of elgiloy (cobalt chrome alloy)

length 20 cm	Standard/Large Clips	
07-941-10	straight	for Standard/Large Clips
07-941-11	15° angled	for Standard/Large Clips



length 20 cm	Mini Clips	
07-942-10	straight	for Mini Clips
07-942-11	15° angled	for Mini Clips



The Appliers for Sugita Mini Clips are Blackened at the ring.

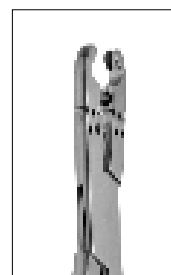
Material	420 Stainless Steel with tip insert of elgiloy (cobalt chrome alloy)
----------	--

07-946-00
07-950-12

for Standard/Large Clips
for Mini Clips (blackened handle)

Features

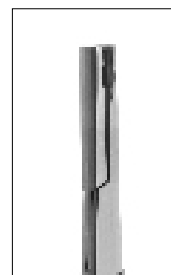
The double jointed shaft allows positioning of the clip at the desired angle. The joint mechanism facilitates fine adjustment of the clip angle.



SANO Clip Remover

07-950-14

for Standard/Large/Mini Clips



Adjusting key

P-005



The adjusting key facilitates movement of the jaws of the applier while ensuring proper alignment.

Material 420 Stainless Steel with tip insert of elgiloy (cobalt chrome alloy)
Length 20cm

Features

The Sano Multi Angle Clip Applier provides flexibility in clip positioning with optimal visibility of the operative site.

The jointed shaft provides the flexibility of angling the applier. A pair of sockets, housed in the jaws of the applier, allows the clip to be held through an arc of 320°. The combination of these two features provides great versatility in clip positioning.

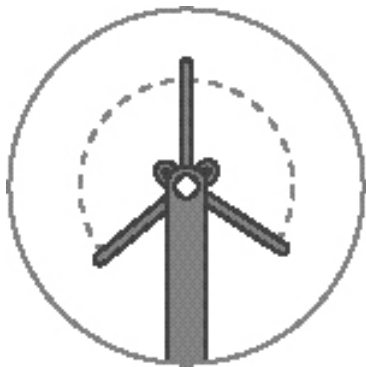
07-947-00	for Standard/Large Clips
07-950-13	for Mini Clips



Adjusting key
P-006

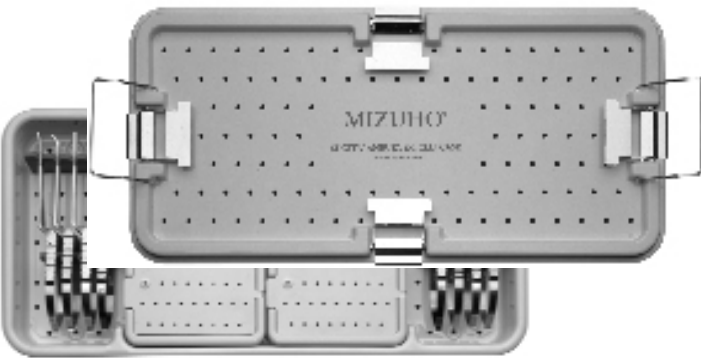


The adjusting key is used to align the sockets.



Material	420 Stainless Steel with tip insert of elgiloy (cobalt chrome alloy)
Length	20cm

07-944-44



Features

The Sugita Aneurysm Clip Case is a modular system comprised of four individual clip cases, housed in an instrument bin, locked in place with one all-encompassing lid. The clip case allows for storage of up to 120 individual clips as well as 10 applicators (including 2 keyhole applicators). The clips are organized by clip type, allowing for quick access to the necessary pattern.

A list of applicators, by type, is laser etched inside the lid for ease of reference.

Spring handled applicators are held in place with silicone brackets. Keyhole applicators are stored under the clip cases.

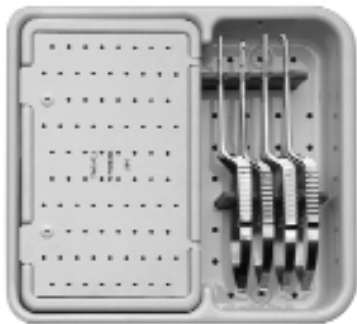
Each individual clip case can be used as a stand alone storage and sterilization container.

Each clip case is laser etched with a detailed, 2-sided drawing of the clip to facilitate selection of the appropriate pattern. Corresponding catalog numbers are etched inside each cavity for ease of restocking clips.



Catalog No.	Description
07-944-44	Complete Tray (includes 07-944-44T, 07-944-44S, 07-944-44F, 07-944-44D)
07-944-44T	Clip case for temp, mini & standard clips
07-944-44S	Clip case for standard & large clips
07-944-44F	Clip case for fenestrated clips
07-944-44D	Clip case for deflected fenestrated & long clips
07-944-43	Full size base with locking lid

07-944-22



Catalog No.	Description
07-944-22	Half bin (includes 07-944-44T & 07-944-44S)
07-944-21	Half size base with locking lid
07-944-21A	Half size tray for applying forceps.

Features

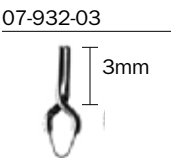
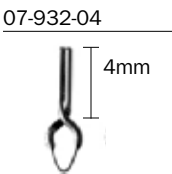
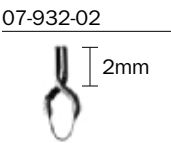
Availability of four sizes allows selection of the appropriate clip.

Sugita AVM clips are made of elgiloy, a cobalt-chrome alloy, for excellent biocompatibility and MR compatibility.

Each clip is placed in a heat resistant silicone sponge and packed in a metal container to prevent damage and facilitate sterilization & handling.

Clips are made to have a holding force within the range of 50 - 70gf.

The AVM clip applicator is designed to be compatible with all Sugita AVM clips.

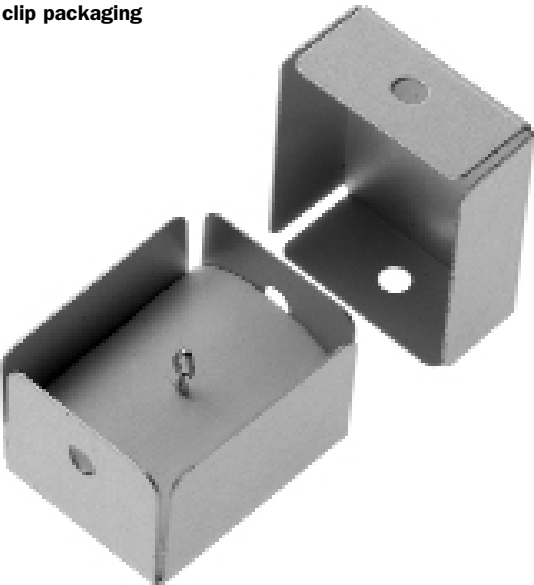


Sugita AVM Microclips Applicator

07-935-10
(overall length 20cm)



clip packaging





Mizuho America, Inc.
133 Brimbal Avenue, Beverly, MA 01915
800-699-CLIP(2547)
TEL: 978-921-1718 FAX: 978-921-4003
E-MAIL: mizuho@mizuho.com

Mizuho Medical Co., Ltd.
2-27-17 Hongo
Bunkyo-ku, Tokyo
113 Japan
TEL: 81-3-3815-7101 FAX: 81-3-3818-1705

www.mizuho.com.

® Mizuho is a registered trademark of Mizuho Ikakogyo Co., Ltd. Tokyo, 2000

® Sugita is a registered trademark of Mizuho Ikakogyo Co., Ltd. Tokyo, 2000

© 2000 Mizuho America, Inc.

C002 2K 11/00