

# NEUROSURGERY

Instruments for  
Keyhole Microsurgery and  
Skull Base Surgery

Vol.18-20



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Skull Base Center  
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# FUJITA

FUJITA Medical Instruments Co., Ltd.

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## 8001-01 ~ 06 (SS ~ LLL)

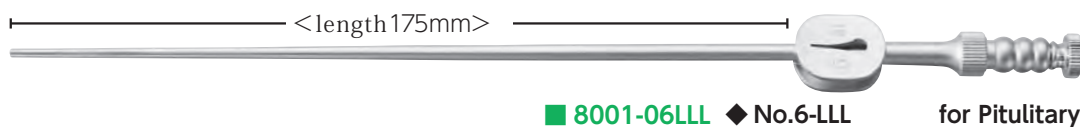
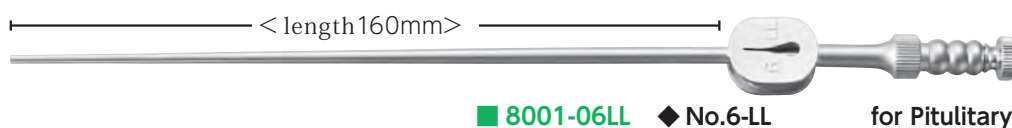
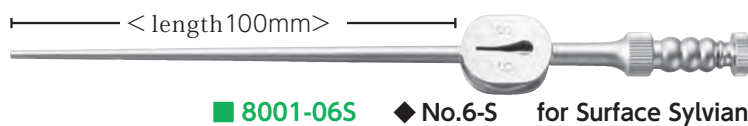
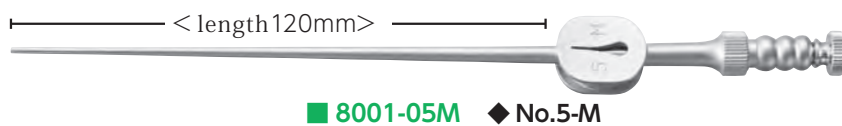
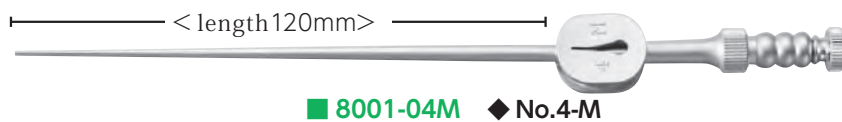
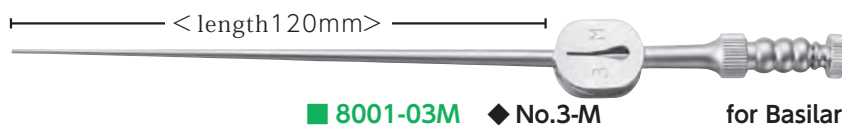
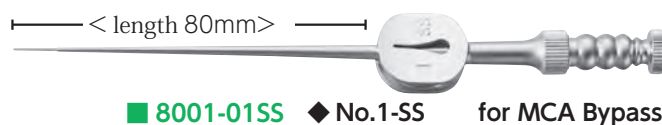
### Pressure Adjustable Micro-Sucker with Tear Drop Shape Side Port

(No.1 ~ No.6)



There is a tear-drop shape side port which can adjust the suction force freely by adjusting the coverage of the side port.

outside x inside diameter (mm)	No.1	No.2	No.3	No.4	No.5	No.6	
length (mm)	0.6 x 0.4	0.8 x 0.6	1.0 x 0.8	1.2 x 1.0	1.5 x 1.2	2.0 x 1.6	
SS-80	○	○	○	○	○	○	for Bypass
S-100	○	○	○	○	○	●	Standard
M-120	○	○	●	●	●	●	
L-145	○	○	○	○	○	○	
LL-160	○	○	○	○	○	○	for Trans-Sphenoidal
LLL-175	○	○	○	○	○	○	for Pineal



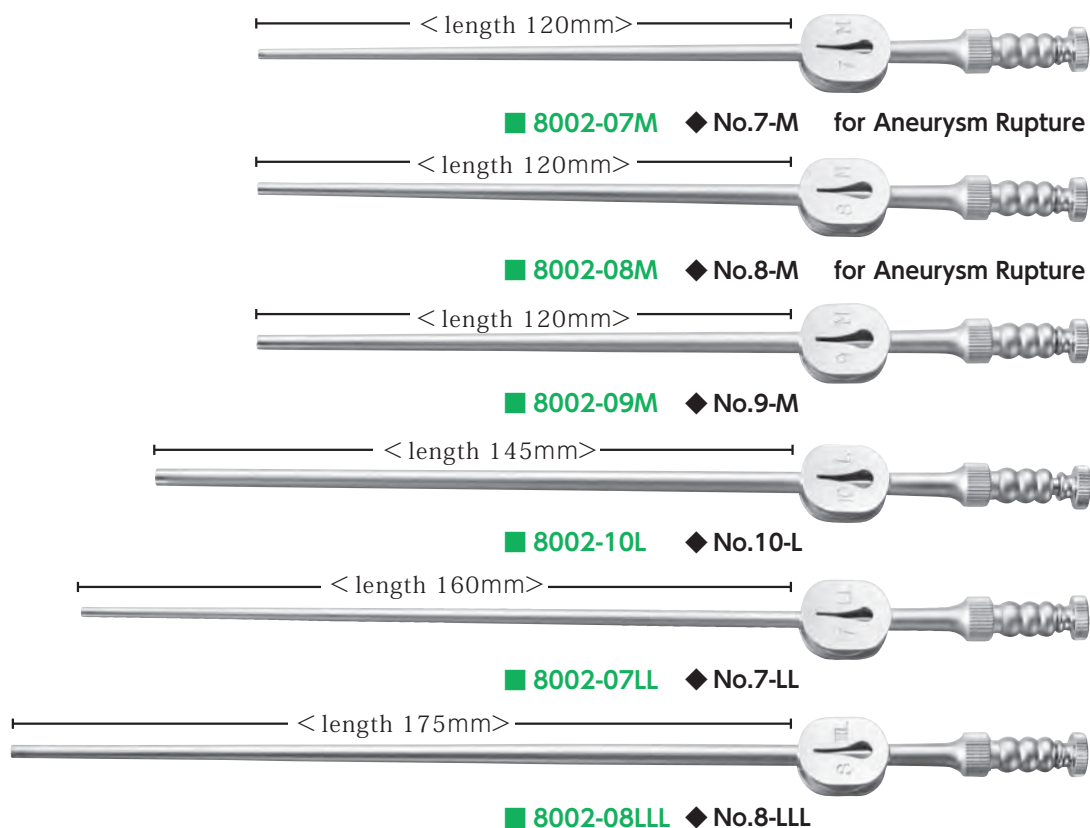
## 8002-07 ~ 10 (S ~ LLL)

Pressure Adjustable Macro-Sucker with  
Tear Drop Shape Side Port

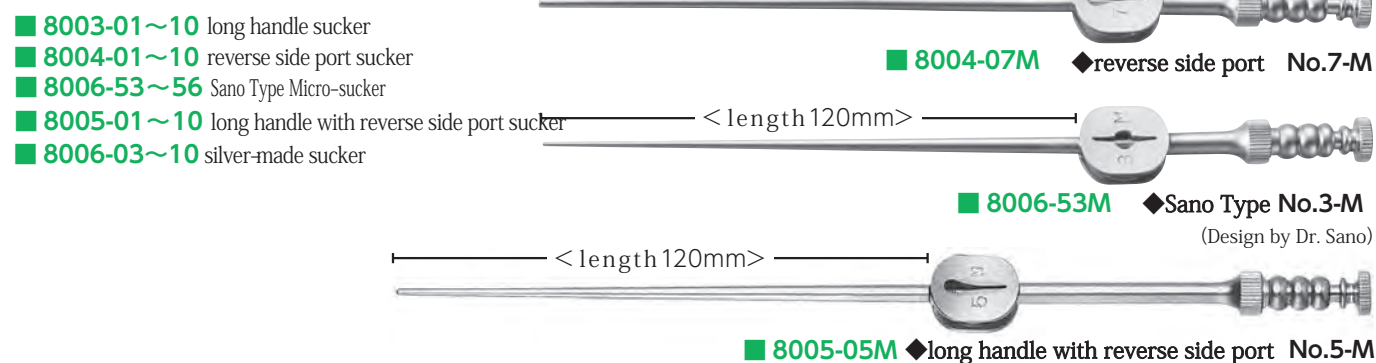
(No.7 ~ No.10)



outside x inside length (mm) / diameter (mm)	No.7	No.8	No.9	No.10	
	2.5 x 1.9	3.0 x 2.2	3.5 x 2.5	4.0 x 3.0	
S-100	○	○	○	○	
M-120	●	●	●	●	
L-145	○	○	○	○	
LL-160	○	○	○	○	
LLL-175	○	○	○	○	for Trans-Sphenoidal



## Other Types of Micro/Macro-Suckers



※ tailor-made order is available

# 8008-18～38 (Aタイプ、Bタイプ) ・63～68 (with round tip)

## Interchangeable Combined Irrigation Sucker

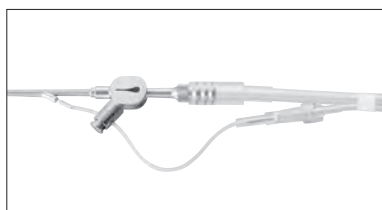
(Design by Dr. Hashimoto)

Type A & Type B

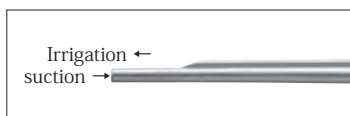
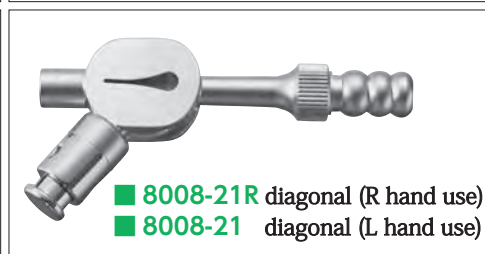
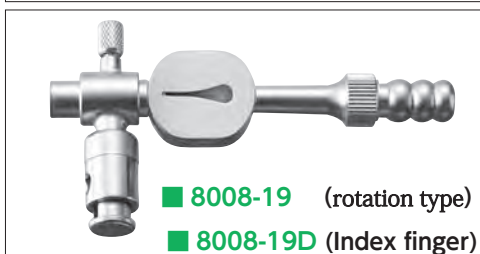
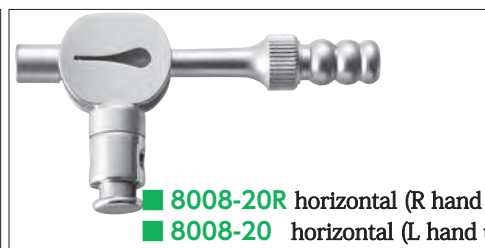
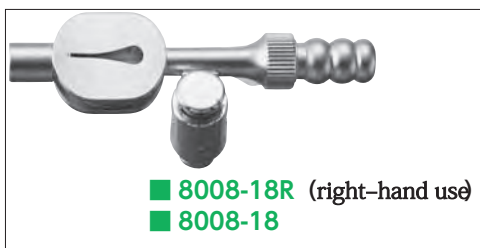
outside x inside diameter length (mm)	No.2 0.8×0.6	No.3 1.0×0.8	No.4 1.2×1.0	No.5 1.5×1.2	No.6 2.0×1.6	No.7 2.5×1.9	No.8 3.0×2.2	No.9 3.5×2.5
SS-80	○	○	○	○	○	○	○	○
S-100	○	○	○	○	○	○	○	○
M-120	○	○	○	○	○	○	○	○
L-145	○	○	○	○	○	○	○	○
LL-160	○	○	○	○	○	○	○	○
LLL-175	○	○	○	○	○	○	○	○

### Main body of Irrigation Sucker

※ tailor-made order is available

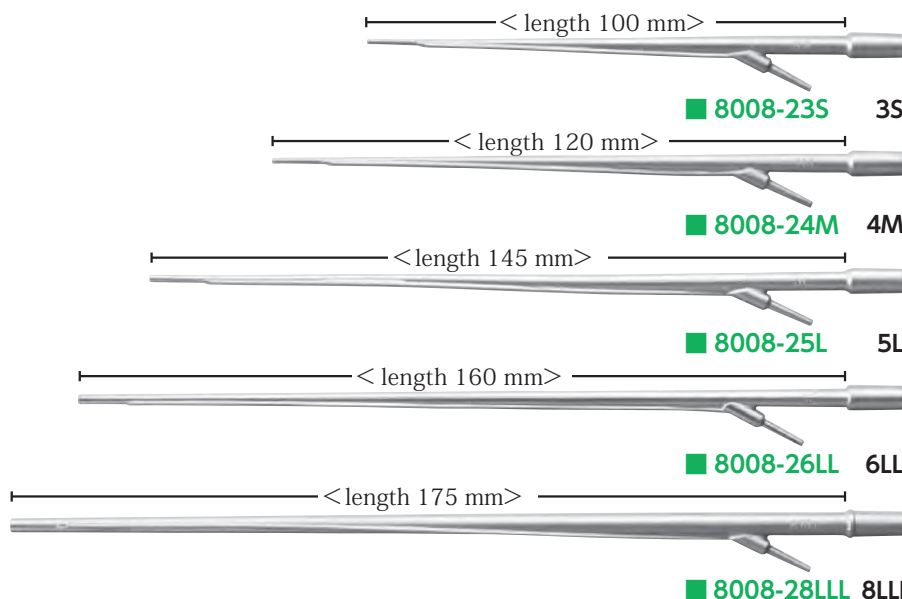


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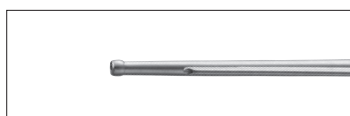
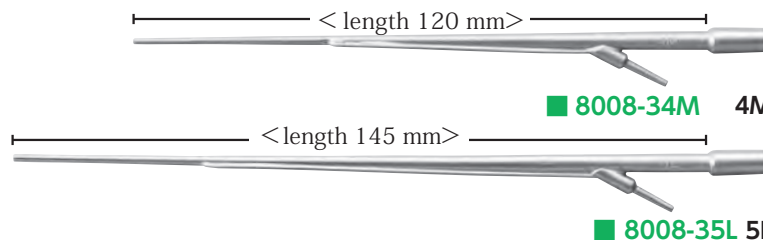
< double pipe entry >

### (Type A) Irrigation-Suction nozzle 8008-22 ~ 29 SS/S/M/L/LL/LLL



combined pipe

### (Type B) Irrigation-Suction nozzle 8008-33 ~ 39 SS/S/M/L/LL



with round tip

### Round tip Type (Type A only) 8008-63 ~ 68 SS/S/M/L/LL/LLL



※ tailor-made order is available

## 8010-35 ~ 39 SS/S/M

### Nozzle of Interchangeable Transparent Sucker

example of use

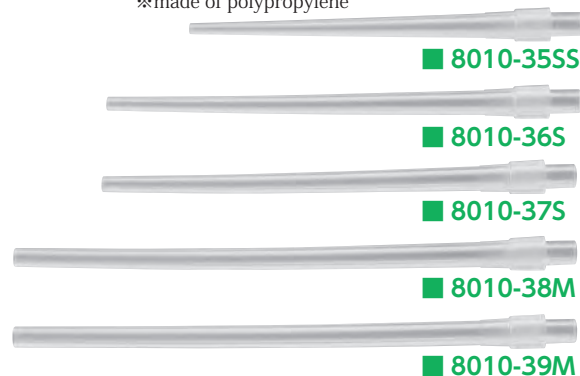


※preferable to be use in the condition when it is foreseeable to contact with drill.

outside x inside diameter (mm) length (mm)	No.5	No.6	No.7	No.8	No.9
1.5 x 2.5	○	○	○	○	○
2.0 x 3.0	○	○	○	○	○
2.5 x 3.5	○	○	○	○	○
3.0 x 4.0	○	○	○	○	○
3.5 x 4.5	○	○	○	○	○

※50 pieces/box; can have different combinations with unit of 10 pieces

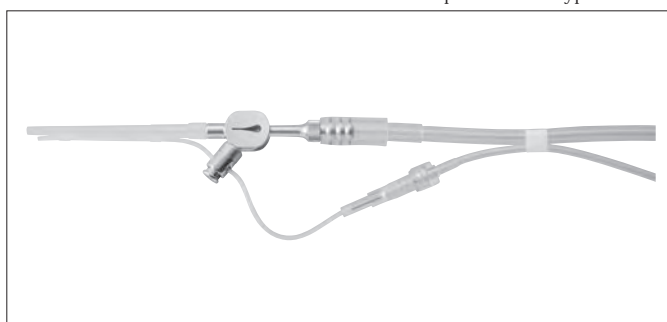
※made of polypropylene



## 8010-46 • 48 SS/S

### Nozzle of Interchangeable Transparent Irrigation Sucker (Type I)

example of use of Type I sucker



※ possible to connect to our irrigation-suction tube (8801-02)

outside x inside diameter (mm) length (mm)	No.5	No.6	No.7	No.8	No.9
1.5 x 2.5	○	○	○	○	○
2.0 x 3.0	○	○	○	○	○
2.5 x 3.5	○	○	○	○	○
3.0 x 4.0	○	○	○	○	○
3.5 x 4.5	○	○	○	○	○

※50 pieces/box; can have different combinations with unit of 10 pieces

※made of polypropylene



## 8010-65-30 • 40 • 60

### Sucker Holder (Silver-made)



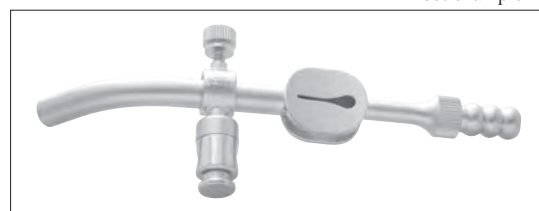
- 8010-65-40 length 40mm
- 8010-65-30 length 30mm
- 8010-65-60 length 60mm

## 8008-10

### Interchangeable Irrigation Switch (rotation type)



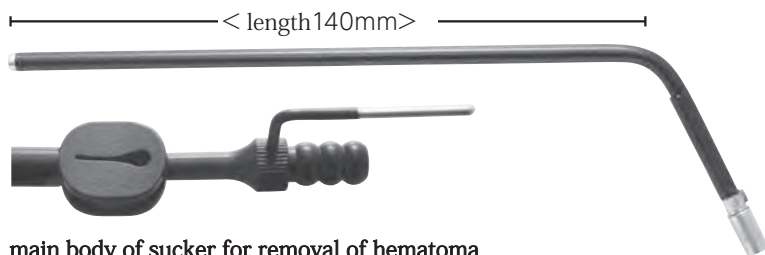
set example



8007-00 • 07 • 08 • 10 • 37D • 38D • 40D

### Sucker for subdural hematoma

( Design by Dr. Nishihana)



main body of sucker for removal of hematoma

■ 8007-00

suction nozzle  
■ 8007-07 2.5mm  $\phi$   
■ 8007-08 3.0mm  $\phi$   
■ 8007-10 4.0mm  $\phi$   
length 140mm

■ 8007-37D • 38D • 40D

silver-made suction nozzle for removal of  
hematoma (Design by Dr. Yokosuka)



suction nozzle  
■ 8007-37D 2.5mm  $\phi$   
■ 8007-38D 3.0mm  $\phi$   
■ 8007-40D 4.0mm  $\phi$

8007-01 • 8007-07A • 08A • 10A • 07AB • 08AB • 10B

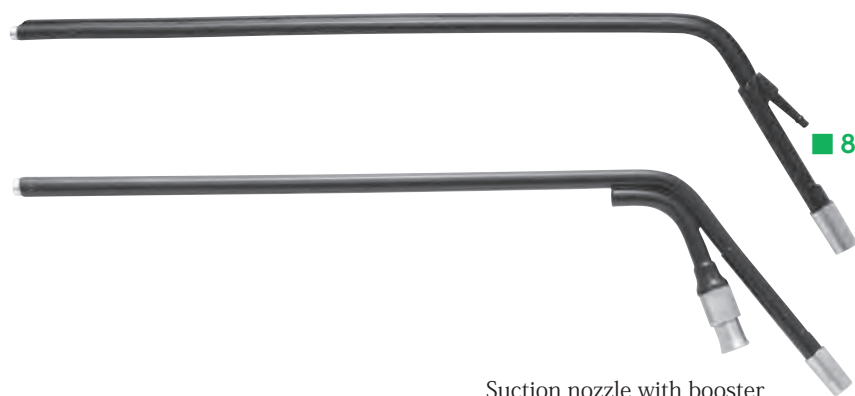
### Irrigation Sucker for subdural hematoma

( Design by Dr. Nagasaka)



Main body of Irrigation-Sucker with black coating

■ 8007-01



Suction nozzle with booster

■ 8007-10B

◆ Irrigation-Suction nozzle  
Suction 2.5mm Irrigation 1.5mm  
■ 8007-07A

Suction 3.0mm Irrigation 1.0mm  
■ 8007-08A

Suction 4.0mm Irrigation 1.0mm  
■ 8007-10A

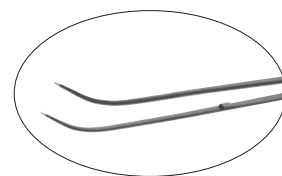
◆ Suction nozzle with booster  
Suction tube 4.0mm  
■ 8007-10B

◆ Irrigation-Suction nozzle with booster  
Suction 2.5mm Irrigation 1.5mm  
■ 8007-07AB

Suction 3.0mm Irrigation 1.0mm  
■ 8007-08AB

8031-105R-IR80

### Malleable Bipolar Forceps



■ 8031-105R-IR80 total length 234mm insertable length 140mm tip 0.7mm



8010-013 • 016 • 022 • 027

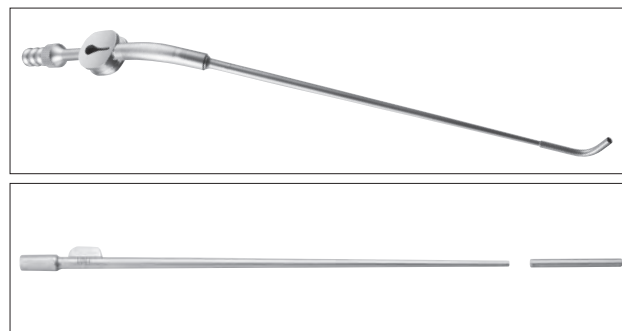
## Flexible Nozzle

■ **8010-013** inside diameter 1.3mm  
length 30mm

■ **8010-016** inside diameter 1.6mm  
length 30mm

■ **8010-022** inside diameter 2.2mm  
length 30mm

■ **8010-027** inside diameter 2.7mm  
length 50mm



◆ nozzle is malleable and can be easily installed to the tip of sucker

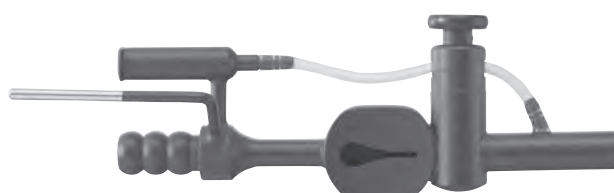
8010-20 ~ 28 8008-50L • 50R • 50LB • 50RB

## Interchangeable Combined Irrigation Sucker

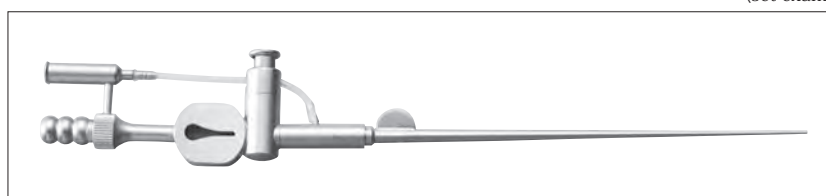
(Design by Dr. Ichikizaki)

■ **8008-50L** (L hand use)  
■ **8008-50R** (R hand use)  
main body of irrigation-sucker

■ **8008-50LB** (L hand use)  
■ **8008-50RB** (R hand use)



〈set example〉



■ **8010-22 ~ 28**  
nozzle tip

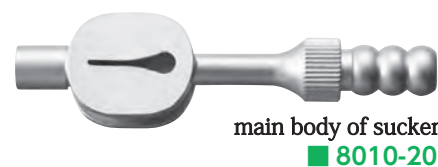
■ **8010-23M** 3M

■ **8010-26L** 6L

■ **8010-27LL** 7LL

No.	length (mm)	SS-80	S-100	M-120	L-145	LL-160
No.2		○	○	○	○	○
No.3		○	○	○	○	○
No.4		○	○	○	○	○
No.5		○	○	○	○	○
No.6		○	○	○	○	○
No.7		○	○	○	○	○
No.8		○	○	○	○	○

※ tailor-made order is available



main body of sucker  
■ **8010-20**

# Irrigation device for operation • Pressurized FOKseries



**FOK-1K** (1L suspension type)

## ◆ FOK-1K (set)

bottle 1 piece  
 cap for 1L 1 piece  
 gasket :  $56 \phi \times 38 \phi \times 3t$  silicon made 1 piece  
 stainless stopper 1 piece  
 Suspension hanger 1 piece  
 S Type metal hanger 1 piece  
 pressure adjuster 1 piece

## ◆ 1L stationary FOK-1S (set)

bottle 1 piece  
 cap for 1L 1 piece  
 gasket :  $56 \phi \times 38 \phi \times 3t$  silicon made 1 piece  
 stainless plug 1 piece  
 pressure adjuster 1 piece



**FOK-2S** (2L stationary type)

## ◆ FOK-2S (set)

bottle 1 piece  
 cap for 2L 1 piece  
 gasket :  $56 \phi \times 38 \phi \times 3t$  silicon made 1 piece  
 pressure adjuster 1 piece

## ○ Consumables

## ◆ Irrigation-Suction Tubes

**8801-02**

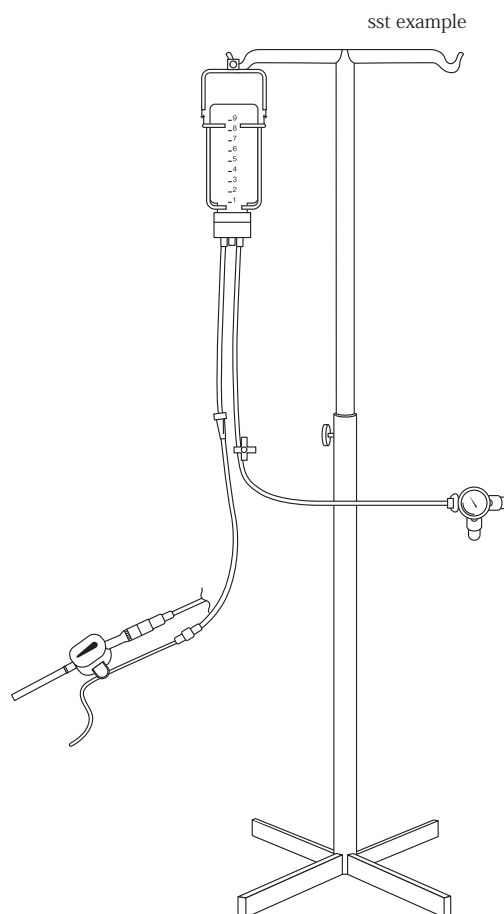
## ◆ FOK extension tubing set

5 sets/box **T500-R10ED-120ERD**



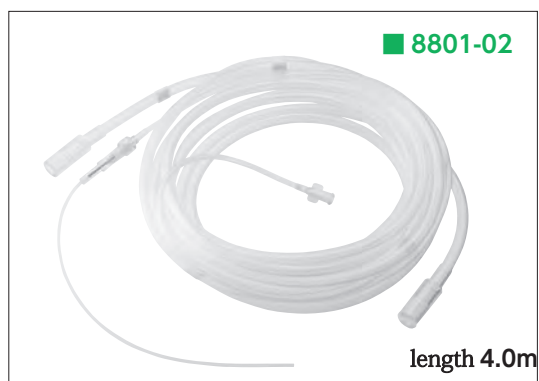
## ◆sterilized filter

50/box **6484197**

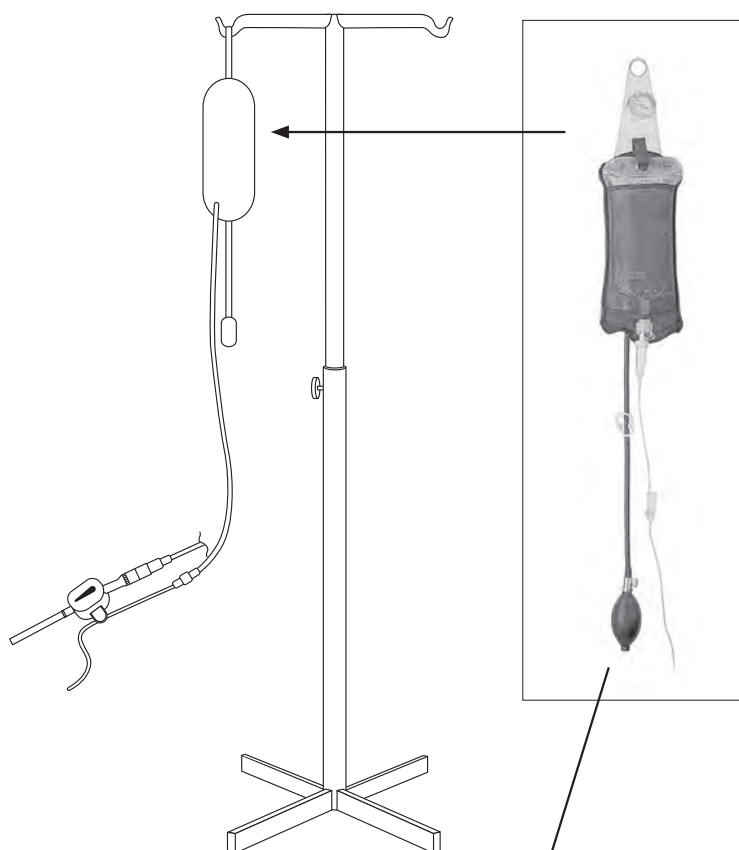
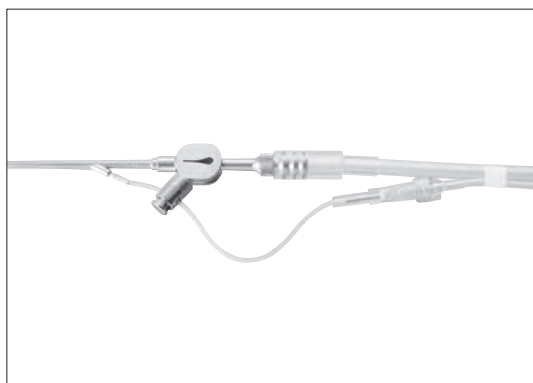


8801-02

Disposable Irrigation Suction Tube

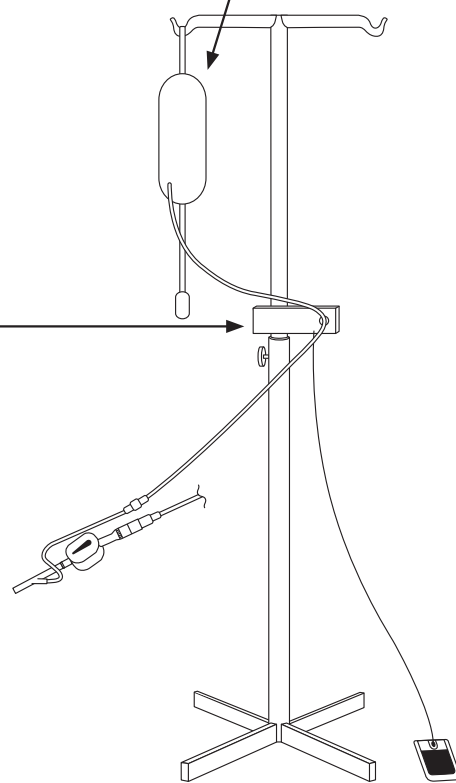


<set example>



8992-01

Foot Switch for Irrigation

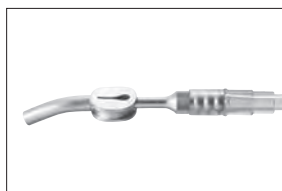


## 8801-01

### Light weight disposable suction tube

Length 4.0m (inside diameter 4.7mm  $\phi$  • outside diameter 7.0mm  $\phi$ )

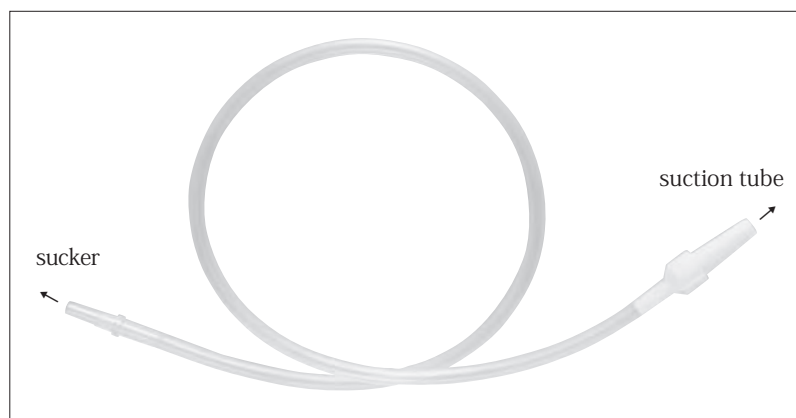
- no resistance applied when handling by surgeon
- most suitable for micro-sucker



## 8801-03

### Micro Suction Tube

Length 50cm (inner diameter 3.4mm  $\phi$  × outside diameter 4.8mm  $\phi$ )



(connection example)



- resistance felt by surgeon can be reduced in case of connection of sucker and suction tube under microsurgery

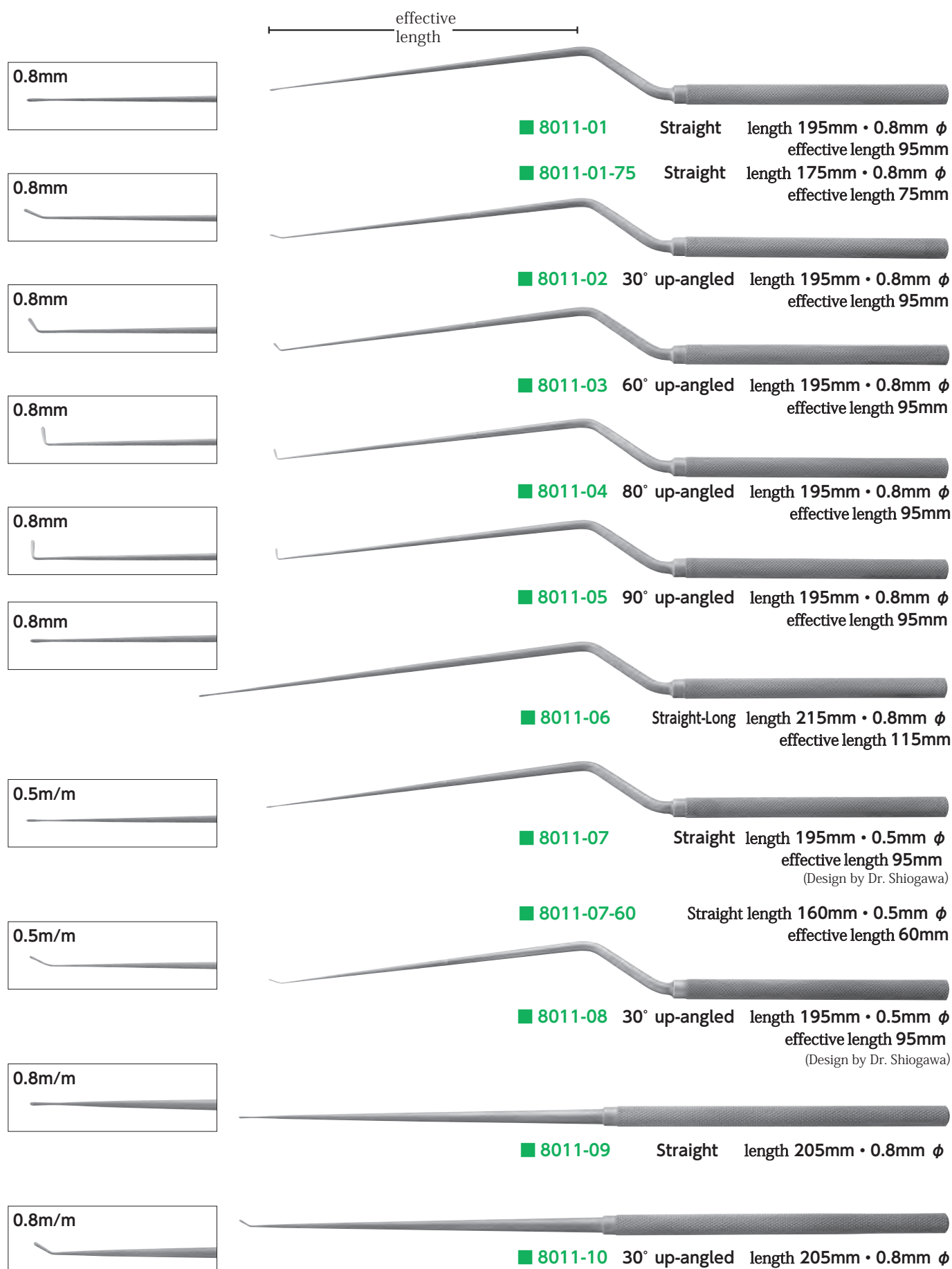
## Scrubbing Brush



- 8001-910 brush width 1.0mm
- 8001-916 brush width 1.6mm
- 8001-920 brush width 2.0mm



## 8011-01 ~ 10 Micro-Probe



8015-01 ~ 10 • 50 • 51 • 52

## Micro-Dissector for Skull Base Tumor



- 8015-01 A1 length 185mm • width 1.5mm slightly curve  
■ 8015-01-35 length 185mm • width 3.5mm  
■ 8015-01-45 length 185mm • width 4.5mm



- 8015-02 A2 length 185mm • width 2.5mm slightly curve



- 8015-03 B1 length 185mm • width 1.5mm medium curve



- 8015-04 B2 length 185mm • width 2.5mm medium curve



- 8015-50 C5 length 185mm • width 0.5mm  
■ 8015-51 C3 length 185mm • width 1.0mm  
■ 8015-52 C4 length 185mm • width 1.5mm



- 8015-05 C1 length 185mm • width 2.0mm  
■ 8015-05S length 185mm • width 2.0mm sharp



- 8015-06 C2 length 185mm • width 3.0mm



- 8015-07 D1 length 210mm • width 1.7mm  
■ 8015-07S D2 length 210mm • width 1.7mm sharp



- 8015-08 E length 185mm • width 2.5mm blunt



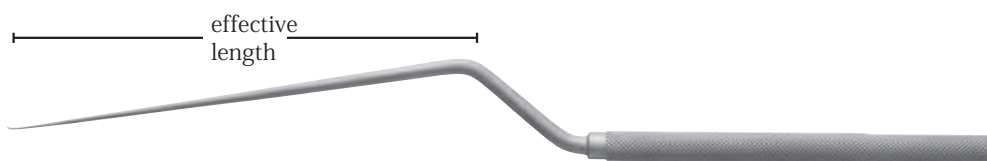
- 8015-09 length 185mm • width 1.0mm blunt



- 8015-10 length 185mm • width 1.5mm blunt

8015-11 ~ 18 • 53

## Micro- Dissector for Skull Base Tumor



■ 8015-53 length 195mm • effective length 95mm • width 1.0mm



■ 8015-11 length 195mm • effective length 95mm • width 2.0mm



■ 8015-12 length 195mm • effective length 95mm • width 3.0mm



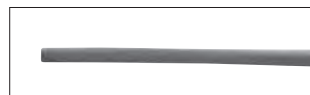
■ 8015-13 length 195mm • effective length 95mm • width 1.5mm



■ 8015-14 length 195mm • effective length 95mm • width 2.5mm



■ 8015-15 length 195mm • effective length 95mm • width 1.0mm blunt



■ 8015-16 length 195mm • effective length 95mm • width 1.5mm blunt



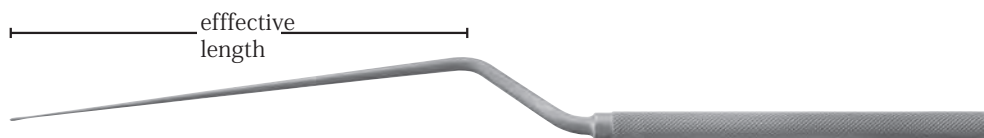
■ 8015-17 length 215mm • effective length 115mm • width 2.0mm



■ 8015-18 length 215mm • effective length 115mm • width 1.5mm

8011-01T • 07T • 09T

## Malleable Micro-Probe (titanium made)



■ **8011-01T** Straight length 195mm • 0.8mm  $\phi$  effective length 95mm



■ **8011-07T** Straight length 195mm • 0.5mm  $\phi$  effective length 95mm

(Design by Dr. Shiogawa)



■ **8011-09T** Straight length 205mm • 0.8mm  $\phi$

■ **8011-09T-85** Straight length 185mm • 0.8mm  $\phi$

8015-01T • 02 T • 05T • 06T • 07T • 09T • 51T • 52 T

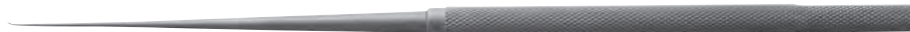
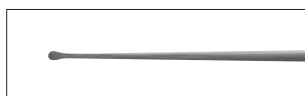
## Malleable Micro-Dissector for Skull Base Tumor (titanium made)



■ **8015-01T** A1 length 185mm • width 1.5mm slightly curve



■ **8015-02T** A2 length 185mm • width 2.5mm slightly curve



■ **8015-51T** C3 length 185mm • width 1.0mm

■ **8015-52T** C4 length 185mm • width 1.5mm

■ **8015-05T** C1 length 185mm • width 2.0mm

■ **8015-05TL** length 210mm • width 2.0mm



■ **8015-06T** C2 length 185mm • width 3.0mm



■ **8015-07T** D1 length 210mm • width 1.7mm

■ **8015-07ST** D2 length 210mm • width 1.7mm sharp



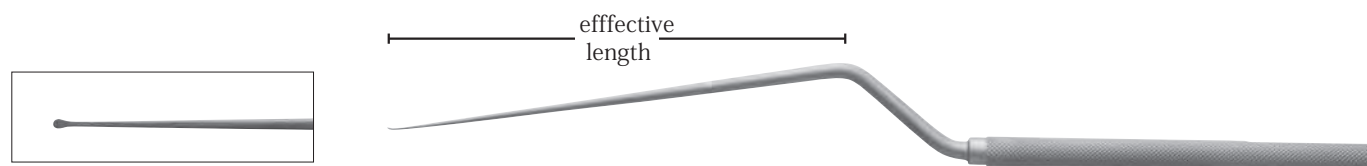
■ **8015-09T** length 185mm • width 1.0mm blunt

※tailor-made available



8015-11T ~ 18T • 53T

## Malleable Micro-Dissector for Skull Base Tumor ( titanium made)



■ 8015-53T L 195mm • effective length 95mm • W 1.0mm



■ 8015-11T L 195mm • effective length 95mm • W 2.0mm



■ 8015-12T L 195mm • effective length 95mm • W 3.0mm



■ 8015-13T L 195mm • effective length 95mm • W 1.5mm



■ 8015-14T L 195mm • effective length 95mm • W 2.5mm



■ 8015-16T L 195mm • effective length 95mm • W 1.5mm blunt



■ 8015-17T L 215mm • effective length 115mm • W 2.0mm



■ 8015-18T L 215mm • effective length 115mm • W 1.5mm

8017-04 • 10 ~ 30 8018-10 ~ 30

## Malleable Micro Dissector (silver made)

1.0mm



■ 8017-04 ellipse tip L 185mm • W 1.0mm

1.0mm



■ 8017-10  
■ 8017-10L

L 185mm • W 1.0mm  
L 205mm • W 1.0mm

1.5mm



■ 8017-15  
■ 8017-15L

L 185mm • W 1.5mm  
L 205mm • W 1.5mm

2.0mm



■ 8017-20

L 185mm • W 2.0mm

3.0mm



■ 8017-30

L 185mm • W 3.0mm



■ 8018-10 L 195mm • effective length 95mm  
W 1.0mm



■ 8018-15 L 195mm • effective length 95mm  
W 1.5mm



■ 8018-20 L 195mm • effective length 95mm  
W 2.0mm



■ 8018-30 L 195mm • effective length 95mm  
W 3.0mm

## 8015-42 Micro-Hook



■ 8015-42 L 205mm blunt

## 8015-61 • 62 Micro-Dissector



■ 8015-61 L 185mm



■ 8015-62 L 195mm  
effective length 95mm

## 8013-60 ~ 62 Knife for Tumor



■ 8013-60 45° UP L 185m/m  
effective length 85m/m



■ 8013-61 90° UP L 185m/m  
effective length 85mm



■ 8013-62 90° UP L 195mm  
effective length 95mm

## 8013-73 • 74 Knife for Tumor



■ 8013-73 45° UP L 195mm  
effective length 95mm



■ 8013-74 90° UP L 195mm  
effective length 95m/m

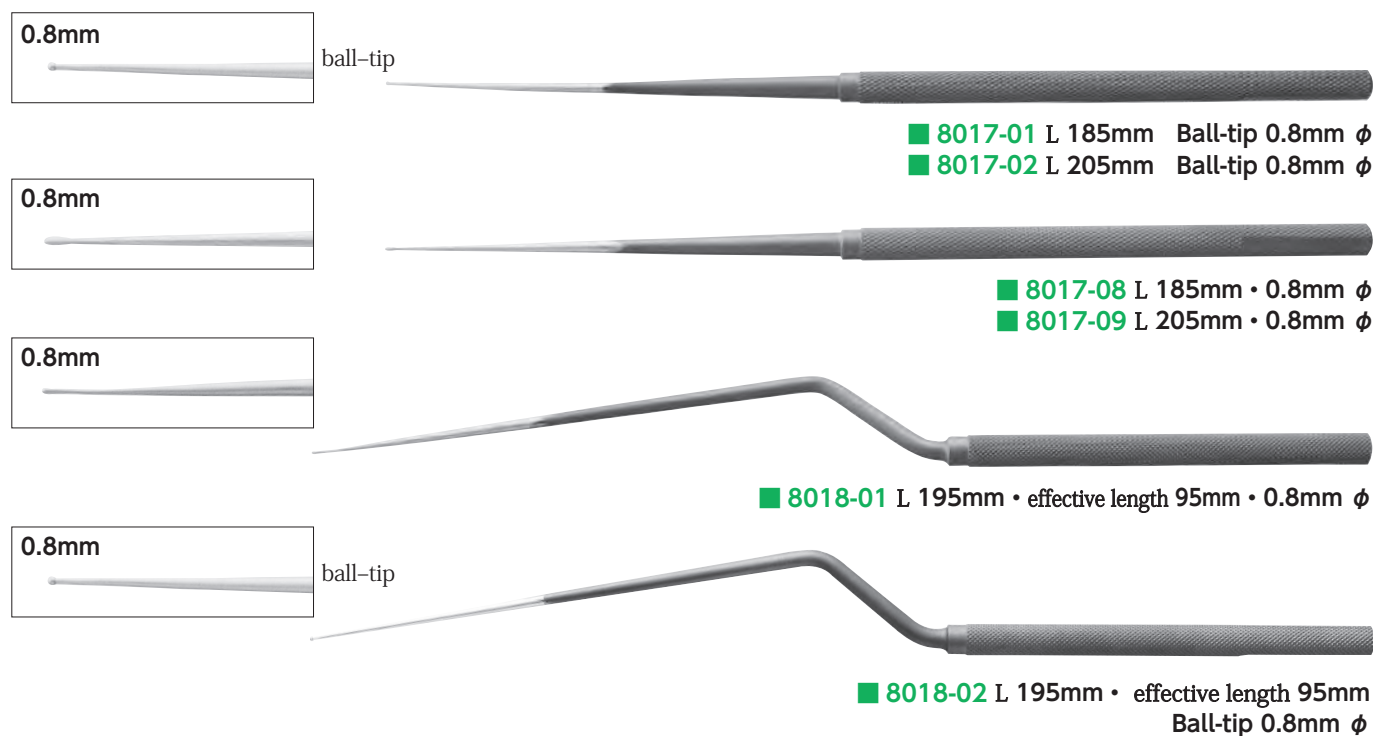
## 8096-02 Micro Knife



■ 8096-02 L 185mm  
effective length 85mm

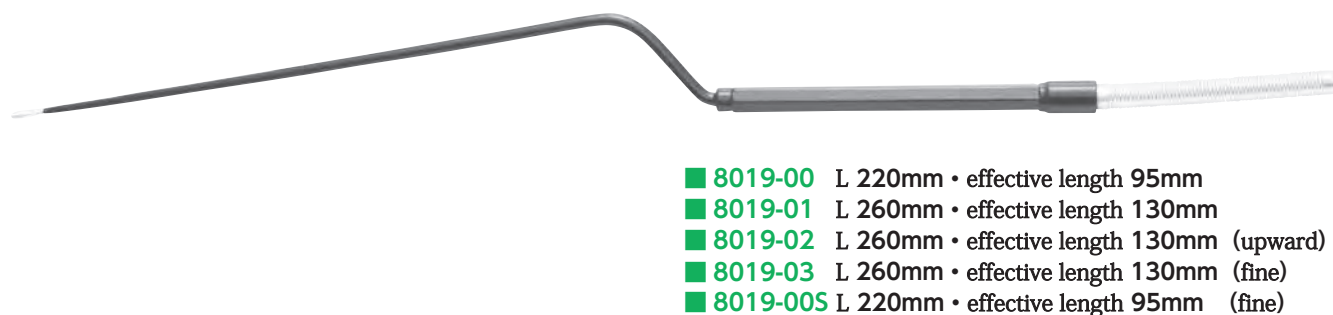
8017-01 • 02 • 08 • 09    8018-01 • 02

## Malleable Micro Probe (silver made)



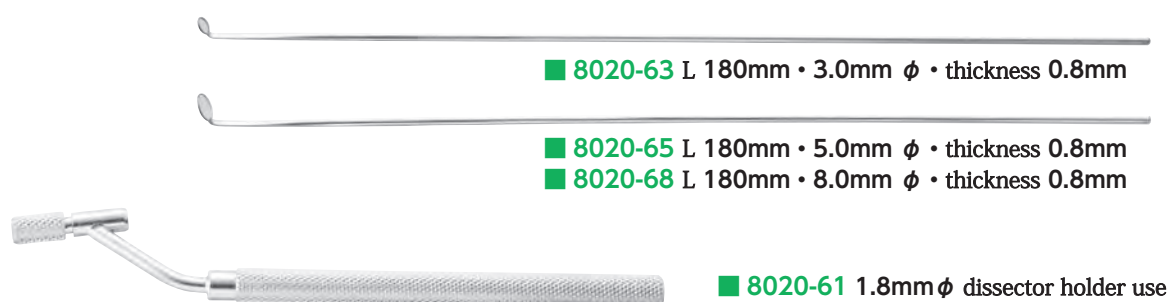
8019-00 ~ 03 • 00S

## Malleable Micro Probe (with coating)



8020-61 • 63 • 65 • 68

## Malleable Micro Mirror

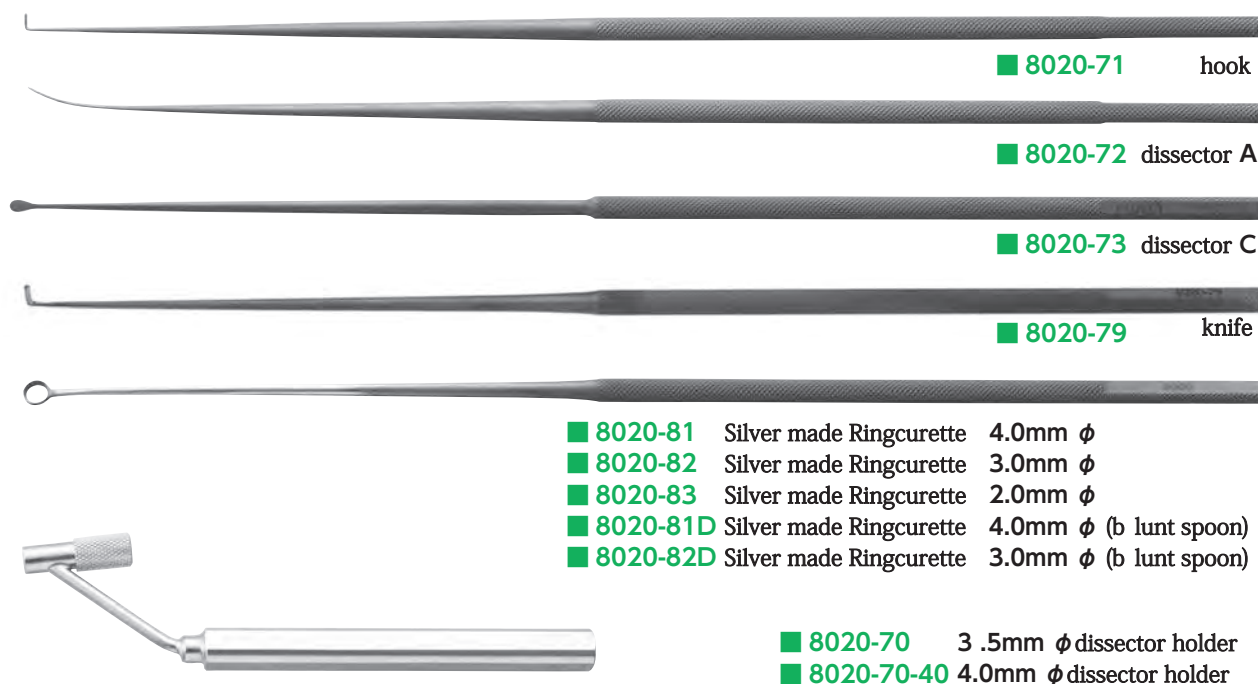




8020-70 ~ 73 • 79 • 81 • 81D • 82 • 82D • 83

## Interchangeable Combined Micro-Dissector, Hook, Knife, Ringcurette

(length 185mm • handle thickness 3.5mm  $\phi$ )



8020-90

## Needle Holder



8020-31 • 32 • 41 • 43 • 46 • 48 • 51 • 52 • 53 • 61

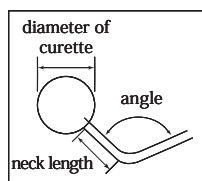
## Interchangeable Probe, Dissector, Ringcurette (Silver made)

(length 180mm • handle thickness 1.8mm  $\phi$ )



8013-00 ~ 05 • 10 ~ 12

## Flat-Blade Micro-Ringcurette for Tumor



■ 8013-10 angle 80° curette 1.0mm  $\phi$  • neck length 3.0mm • L 195mm • effective length 95mm



■ 8013-11 angle 80° curette 1.5mm  $\phi$  • neck length 3.0mm • L 195mm • effective length 95mm



■ 8013-12 angle 90° curette 0.7mm  $\phi$  • neck length 2.0mm • L 195mm • effective length 95mm



■ 8013-00 angle 45° curette 2.0mm  $\phi$  • neck length 3.0mm • L 195mm • effective length 95mm



■ 8013-01 angle 45° curette 2.5mm  $\phi$  • neck length 3.0mm • L 195mm • effective length 95mm



■ 8013-02 angle 45° curette 3.0mm  $\phi$  • neck length 3.0mm • L 195mm • effective length 95mm



■ 8013-03 angle 45° curette 4.0mm  $\phi$  • neck length 3.0mm • L 195mm • effective length 95mm

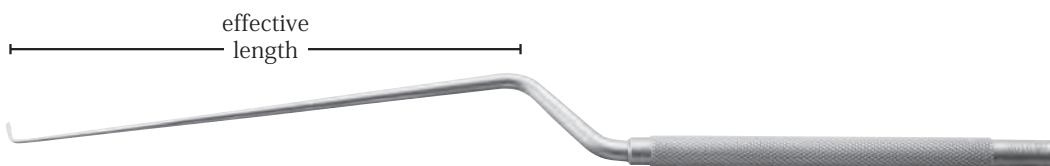
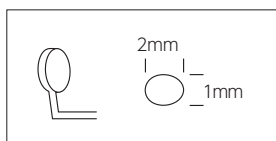


■ 8013-04 angle 45° curette 3.0mm  $\phi$  • neck length 3.0mm • L 195mm • effective length 95mm  
vertical right blade

■ 8013-05 angle 45° curette 3.0mm  $\phi$  • neck length 3.0mm • L 195mm • effective length 95mm  
vertical left blade

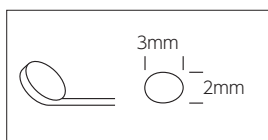
8016-00 ~ 02 • 10 • 11

## Micro-Curette



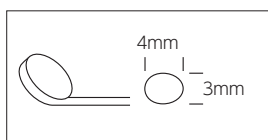
■ 8016-00 Mini

L 195mm effective length 95mm



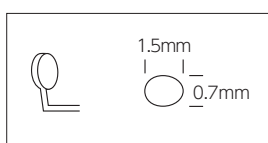
■ 8016-01 Medium

L 195mm effective length 95mm



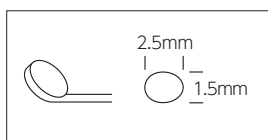
■ 8016-02 Large

L 195mm effective length 95mm



■ 8016-10 Ultra Mini

L 195mm effective length 95mm



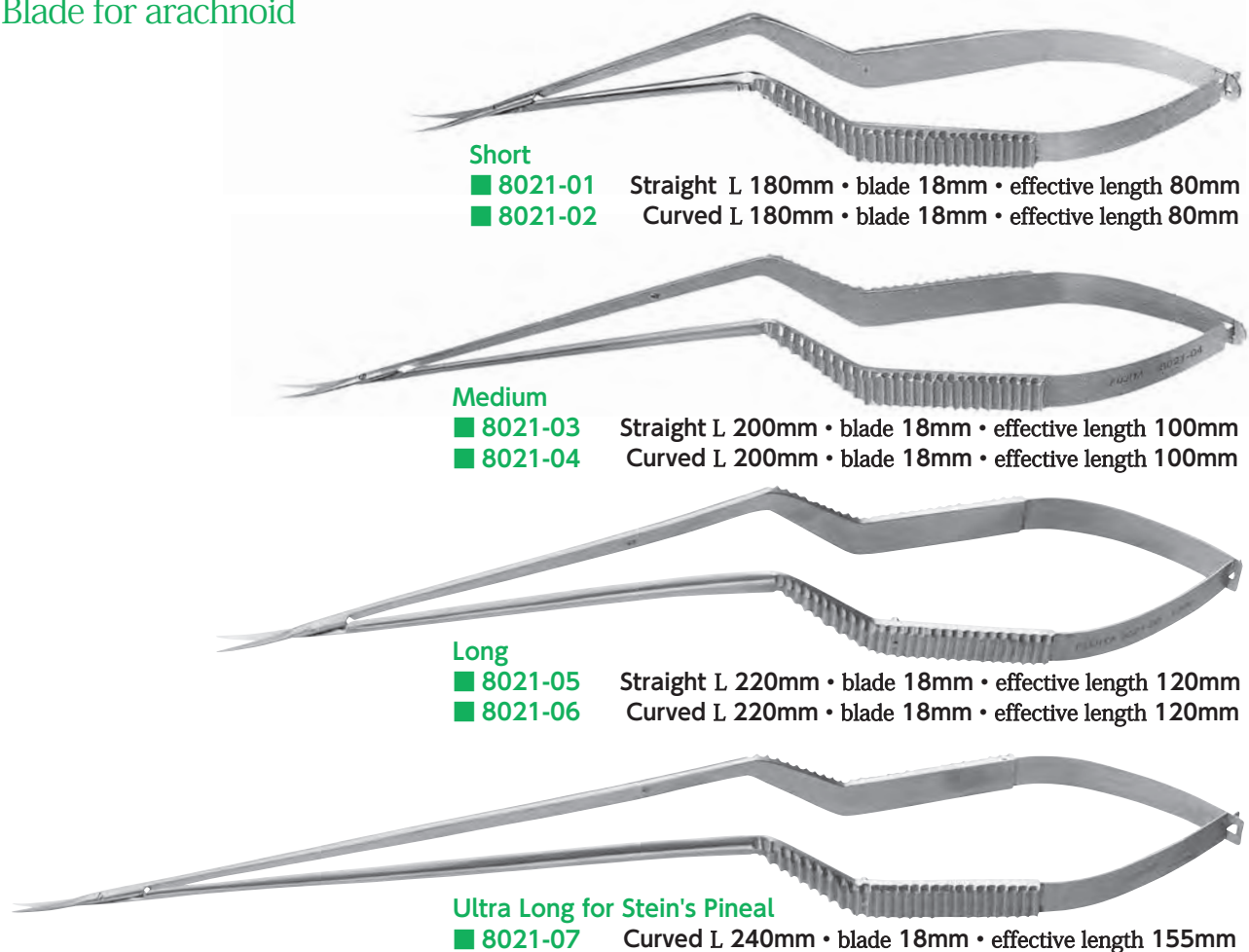
■ 8016-11 Small

L 195mm effective length 95mm

## 8021-01 ~ 07

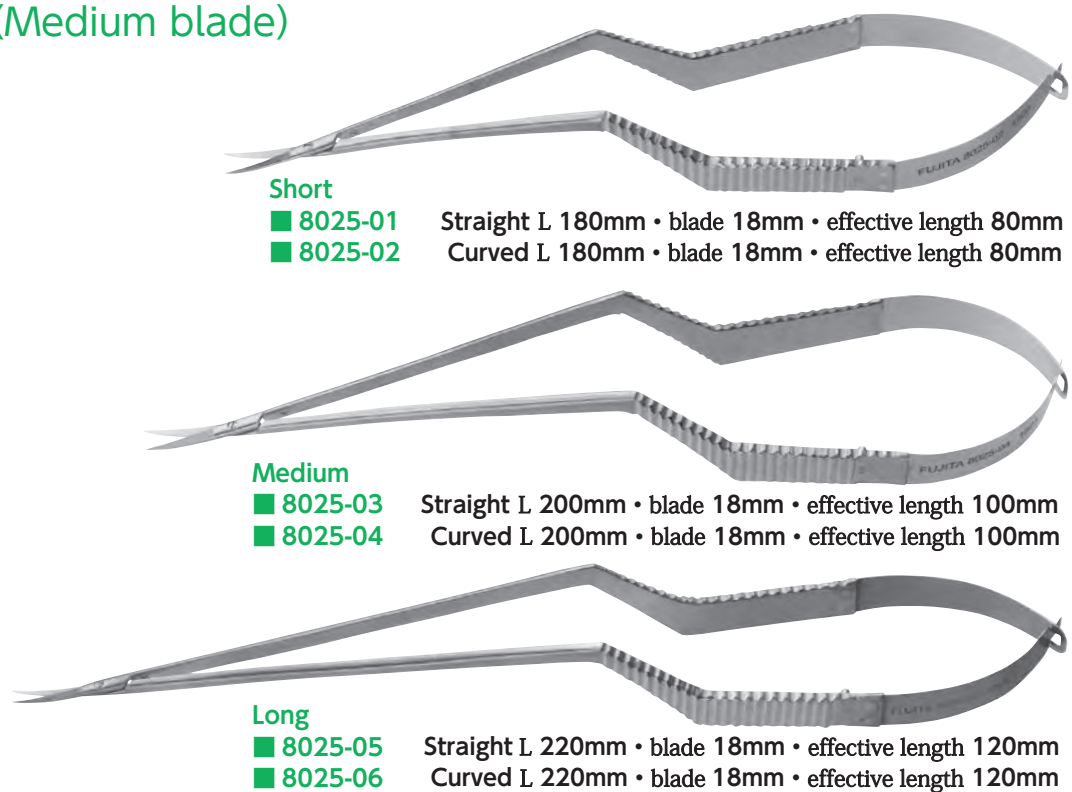
### Micro-Scissors (slightly curved, straight)

#### Thin Blade for arachnoid



## 8025-01 ~ 06

### Micro-Scissors (Medium blade)





8022-01 ~ 08

## Micro-Scissors (Regular blade for Tumor)

### Short

■ 8022-01

■ 8022-02

Straight L 180mm • blade 18mm • effective length 80mm

Curved L 180mm • blade 18mm • effective length 80mm

### Medium

■ 8022-03

■ 8022-04

Straight L 200mm • blade 18mm • effective length 100mm

Curved L 200mm • blade 18mm • effective length 100mm

### Long

■ 8022-05

■ 8022-06

Straight L 220mm • blade 18mm • effective length 120mm

Curved L 220mm • blade 18mm • effective length 120mm

### Ultra Long

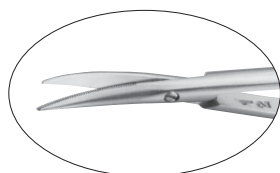
■ 8022-08

Curved L 250mm • blade 18mm • effective length 140mm

8022-51 ~ 56 8022-52-99 • 54-99

## Micro-Scissors for Skull Base (Thick & Saw blade)

(Design by Dr. Morida)



■ 8022-51

■ 8022-53

■ 8022-55

■ 8022-52

■ 8022-52-99

■ 8022-54

■ 8022-54-99

■ 8022-56

Straight L 190mm • blade 18mm • effective length 80mm

Straight L 210mm • blade 18mm • effective length 100mm

Straight L 230mm • blade 18mm • effective length 120mm

Curved L 190mm • blade 18mm • effective length 80mm

parallel type

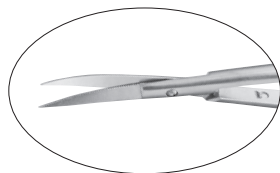
Curved L 210mm • blade 18mm • effective length 100mm

parallel type

Curved L 230mm • blade 18mm • effective length 120mm

8025-52 ~ 54 • 56

## Micro-Scissors (Medium & Saw blade)



■ 8025-52S Weal curved

■ 8025-52 Curved

■ 8025-53 Straight

■ 8025-54 Curved

■ 8025-56 Curved

L 180mm • blade 15mm • effective length 80mm

L 180mm • blade 15mm • effective length 80mm

L 200mm • blade 15mm • effective length 100mm

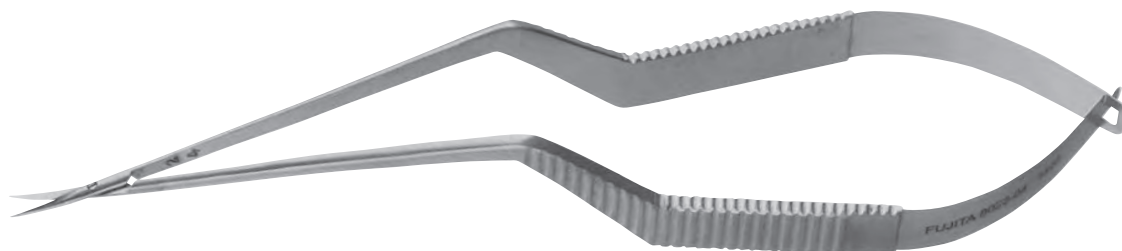
L 200mm • blade 15mm • effective length 100mm

L 220mm • blade 15mm • effective length 120mm

8023-01 ~ 06

## Micro-Scissors (Short & Thin blade)

(Design by Dr. Shiokawa)



Medium

■ 8023-01 Straight ■ 8023-02 Curved length 200mm • blade 13mm • effective length 100mm

Short

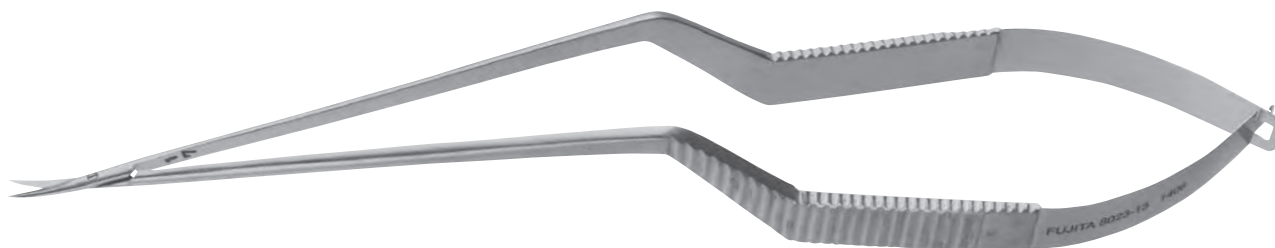
■ 8023-03 Straight ■ 8023-04 Curved length 180mm • blade 13mm • effective length 80mm

Long

■ 8023-05 Straight ■ 8023-06 Curved length 220mm • blade 13mm • effective length 120mm

8023-11 ~ 14

## Micro-Scissors Lateral Curved



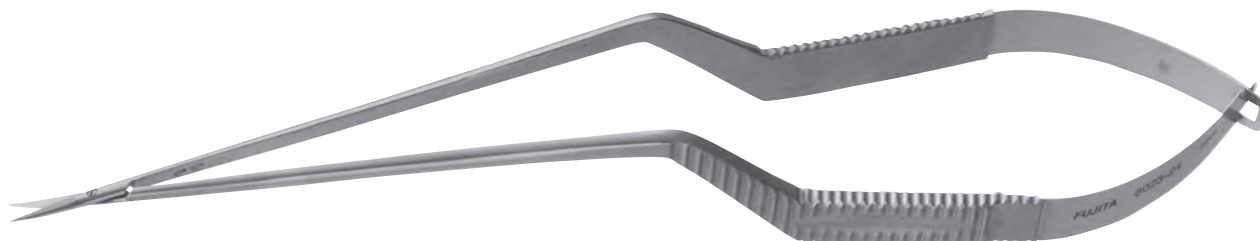
■ 8023-11 Rt lateral curved ■ 8023-12 Lt lateral curved length 180mm • blade 13mm • effective length 80mm

■ 8023-13 Rt lateral curved ■ 8023-14 Lt lateral curved length 200mm • blade 13mm • effective length 100mm

8023-22 ~ 26 • 22-99 ~ 26-99

## Micro-Scissors New-type Straight

(Design by Dr. Ohada)



■ 8023-22 L 180mm • blade 13mm • effective length 80mm

■ 8023-24 L 200mm • blade 13mm • effective length 100mm

■ 8023-26 L 220mm • blade 13mm • effective length 120mm

■ 8023-22-99 L 180mm • blade 13mm • effective length 80mm • parallel type

■ 8023-24-99 L 200mm • blade 13mm • effective length 100mm • parallel type

■ 8023-26-99 L 220mm • blade 13mm • effective length 120mm • parallel type

8028-10 • 12 • 16 • 16-99 • 105 • 125

## Micro-Scissors for Arachnoid dissecting

(Design by Dr. Oikawa)



0.25mm blunt



0.5mm blunt

■ 8028-125	Weak Curved	L 200mm • blade 13mm • effective length 100mm	0.25mm blunt
■ 8028-12	Curved	L 200mm • blade 13mm • effective length 100mm	0.25mm blunt
■ 8028-16	Curved	L 160mm • blade 13mm • effective length 60mm	0.25mm blunt
■ 8028-10	Curved	L 180mm • blade 13mm • effective length 80mm	0.25mm blunt
■ 8028-16-99	Parallel type	L 160mm • blade 13mm • effective length 60mm	0.25mm blunt

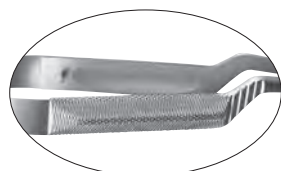
(Design by Dr. Nagata)

■ 8028-105	Curved	L 180mm • blade 13mm • effective length 80mm	0.5mm blunt
■ 8028-125	Curved	L 200mm • blade 13mm • effective length 100mm	0.5mm blunt

8028-52 • 54

## Micro-Scissors (Thin blade slightly curved) for Arachnoid dissecting

(Design by Dr. Sano)



Rt pattern

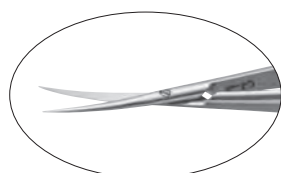
■ 8028-52	Curved	L 180mm • blade 13mm • effective length 80mm
■ 8028-52-90	Curved	L 190mm • blade 13mm • effective length 90mm

■ 8028-54	Curved	L 210mm • blade 13mm • effective length 100mm
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8028-01 • 02 • 03

## Micro-Scissors for Sylvian

(Design by Dr. Sano)



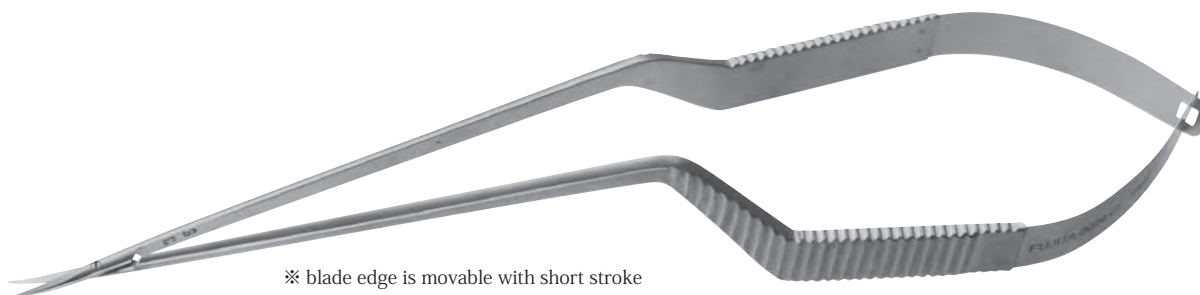
racket handle

■ 8028-01	Straight	L 180mm • blade 18mm blunt&reverse
■ 8028-02	Curved	L 180mm • blade 18mm blunt
■ 8028-03	Lateral Curved	L 180mm • blade 18mm blunt
■ 8028-01-200	Straight	L 200mm • blade 18mm blunt
■ 8028-02-200	Curved	L 200mm • blade 18mm blunt
■ 8028-02R	Curved	L 180mm • blade 18mm blunt racket handle

8024-01 ~ 04

## Micro-Scissors (Short & Thin blade)

( Design by Dr. Inamori )



■ 8024-01 Straight ■ 8024-02 Curved

L 200mm • blade 13mm • effective length 100mm

Medium

■ 8024-03 Straight ■ 8024-04 Curved

L 220mm • blade 13mm • effective length 120mm

Long

8029-02-5 • 8 • 10 8029-04-5 • 8 • 10  
8029-02-8-99 8029-04-8-99

## Micro-Scissors (Short & Thin blade slightly curved) for Arachnoid dissecting



■ 8029-02-5

L 180mm • blade 5mm • effective length 80mm

■ 8029-02-8

L 180mm • blade 8mm • effective length 80mm

■ 8029-02-10

L 180mm • blade 10mm • effective length 80mm

■ 8029-02-8-99

(parallel type) L 180mm • blade 8mm •

effective length 80mm

( Design by Dr. Nagata )

■ 8029-04-5

L 200mm • blade 5mm • effective length 100mm

■ 8029-04-8

L 200mm • blade 8mm • effective length 100mm

■ 8029-04-10

L 200mm • blade 10mm • effective length 100mm

■ 8029-04-8-99

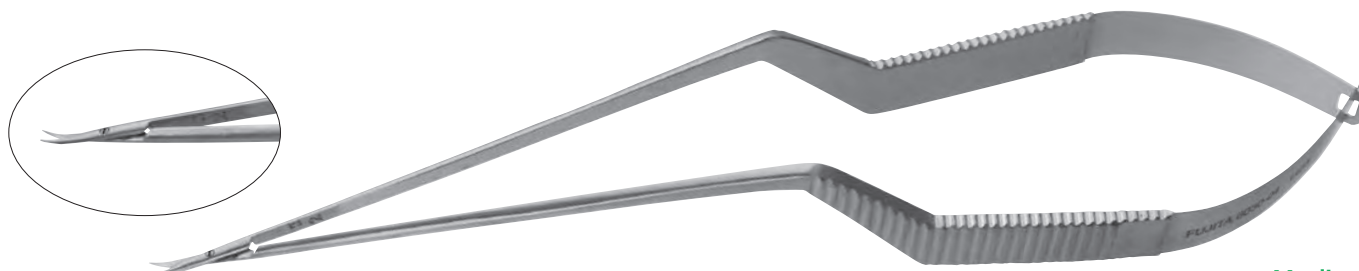
(parallel type) L 200mm • blade 8mm •

effective length 100mm

( Design by Dr. Nagata )

8030-04 • 04-99

## Micro-Scissors (Thin blade , Full Curved)



■ 8030-04

Full curved L 200mm • effective length 100mm

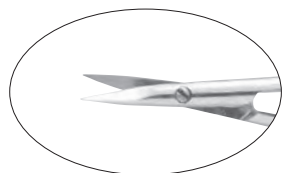
■ 8030-04-99 Full curved • parallel type

L 200mm • effective length 100mm

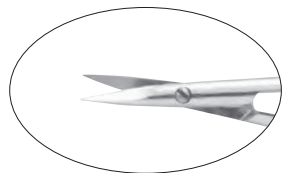
Medium

8027-01 ~ 06 • 23 • 25

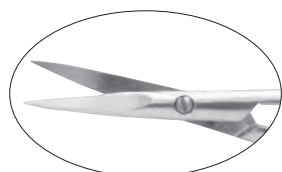
## Micro-Scissors (Thin blade) [straight handle]



8mm



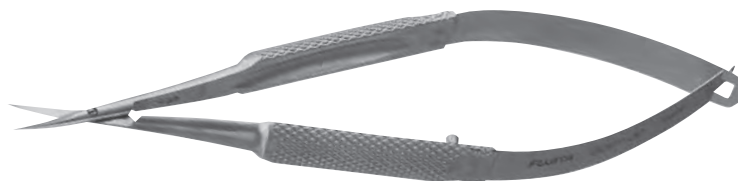
10mm



13mm



flat handle



Short

■ 8027-01 Straight ■ 8027-02 Curved L 120mm • blade 13mm



Medium

■ 8027-03	Straight	■ 8027-04	Curved	L 150mm • blade 13mm
■ 8027-03F	Straight	■ 8027-04F	Curved	L 150mm • blade 13mm flat handle
■ 8027-03-8	Straight	■ 8027-04-8	Curved	L 150mm • blade 8mm
■ 8027-03-10	Straight	■ 8027-04-10	Curved	L 150mm • blade 10mm
		■ 8027-23	lateral Curved	L 150mm • blade 13mm

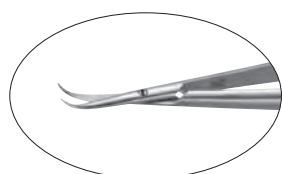


Long

■ 8027-05	Straight	■ 8027-06	Curved	L 180mm • blade 13mm
■ 8027-05F	Straight	■ 8027-06F	Curved	L 180mm • blade 13mm flat handle
		■ 8027-25	laterally curved	L 180mm • blade 13mm

8027-14 • 16

## Micro-Scissors (Thin blade , Full Curved) [straight handle]

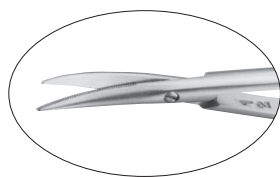


■ 8027-14	Full Curved	L 150mm • blade 10mm
■ 8027-16	Full Curved	L 180mm • blade 10mm



8027-65-18 • 66-18

Micro-Scissors for skull base (Thick & Saw blade) [straight handle]



Round handle

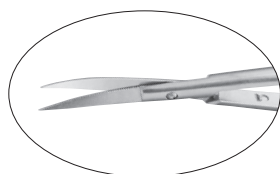


- 8027-65F-18 Straight
- 8027-66F-18 Curved
- 8027-65-18 Straight
- 8027-66-18 Curved

L 180mm • blade 18mm round handle  
L 180mm • blade 18mm round handle  
L 180mm • blade 18mm round handle  
L 180mm • blade 18mm round handle

8027-53-15 ~ 56-15

Micro-Scissors (Medium & Saw blade) [straight handle]



- 8027-53-15 Straight
- 8027-54-15 Curved
- 8027-55-15 Straight
- 8027-56-15 Curved

L 150mm • blade 15mm  
L 150mm • blade 15mm  
L 180mm • blade 15mm  
L 180mm • blade 15mm

8027-73-15 • 75-15

Micro-Scissors (Medium & Saw blade & Lateral Curved)  
[straight handle]



- 8027-73-15 lateral curved L 150mm • blade 15mm
- 8027-75-15 lateral curved L 180mm • blade 15mm

8101-01 • 01A • 02 • 03

Metzenbaum Scissors (Thin blade)

- 8101-01 thin blade L 180mm
- 8101-01A saw blade L 180mm
- 8101-02 thin blade L 160mm
- 8101-03 thin blade L 145mm

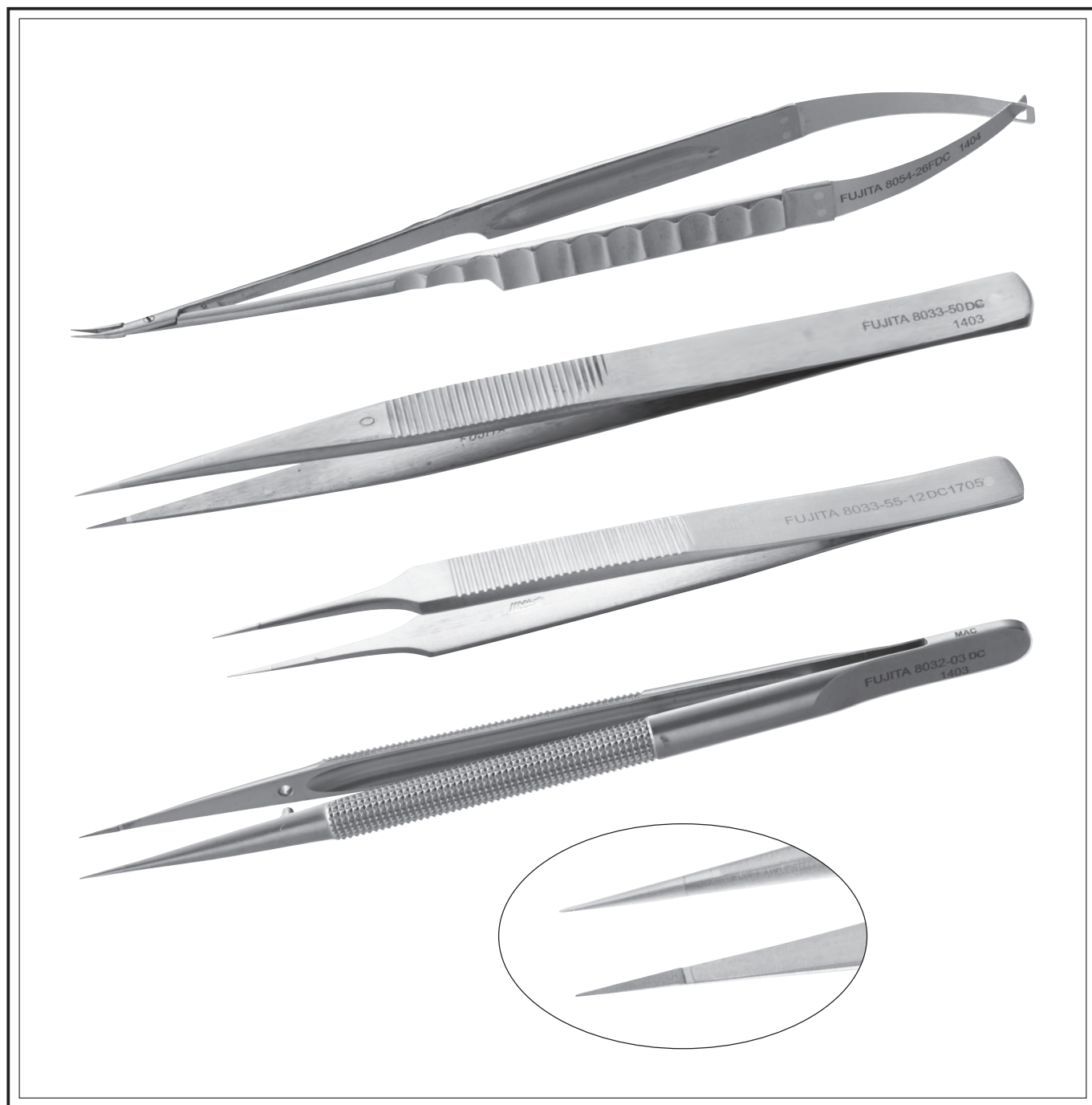






# FUJITA Premium Series

## Diamond Coating of Micro Forcep • Micro Needle Holder



Stability of holding can be greatly improved by applying  
diamond coating at the holding tip

8033-50 • 55 • 56 • (DC/P/PDC)

## Micro Forceps



- 8033-50 0.2mm • Length 150mm
- 8033-50DC with diamond coating
- 8033-50P 0.2mm • platform type • Length 150mm
- 8033-50PDC platform type with diamond coating



- 8033-50-12 0.2mm • Length 120mm
- 8033-50-12DC with diamond coating



- 8033-56 0.1mm • Length 150mm
  - 8033-56DC with diamond coating
- ( Design by Dr.Kanematsu)



- 8033-55-12 0.1mm • Length 120mm
  - 8033-55-12DC with diamond coating
- ( Design by Dr. Takahashi Jun )



- 8033-55 0.1mm • Length 150mm
- 8033-55DC with diamond coating

8033-70 • 70DC • 70P • 70PDC

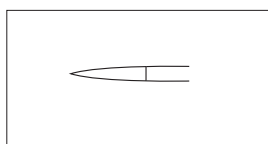
## Micro Forceps for deep site use



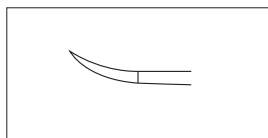
- 8033-70 0.2mm • Length 180mm
- 8033-70DC with diamond coating
- 8033-70P 0.2mm • platform type • Length 180mm
- 8033-70PDC platform type with diamond coating

8032-01 ~ 06 • 01DC ~ 06DC

## Micro-Suture Forceps (platform type)



Straight



Curved

- 8032-01 Straight Length 120mm
- 8032-02 Curved Length 120mm

- 8032-01DC with diamond coating
- 8032-02DC with diamond coating



Short

- 8032-03 Straight Length 150mm
- 8032-04 Curved Length 150mm

- 8032-03DC with diamond coating
- 8032-04DC with diamond coating



Medium

- 8032-05 Straight Length 180mm
- 8032-06 Curved Length 180mm

- 8032-05DC with diamond coating
- 8032-06DC with diamond coating



Long

8032-07T • 08

## Micro-Suture Forceps (platform type • Titanium made)



Long

- 8032-07T Straight Length 200mm
- 8032-08T Curved Length 200mm

※ sales end while stocks last

8032-21 • 22 • 21DC • 22DC

## Micro Forceps (Full Curved)

(Design by Dr.Tanigawa)



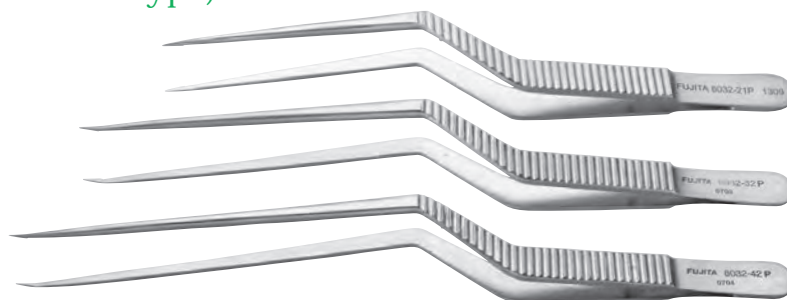
- 8032-21 L 155mm • effective length 65mm Straight
- 8032-22 L 155mm • effective length 65mm Full Curved

- 8032-21DC with diamond coating
- 8032-22DC with diamond coating



8032-21P • 22P • 31P • 32P • 41P • 42P (DC)

## Micro Forceps for deep site use (platform type)



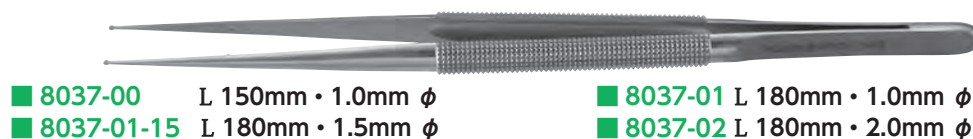
- 8032-21P L 155mm • effective length 65mm Straight
- 8032-31P L 185mm • effective length 85mm Straight
- 8032-41P L 200mm • effective length 100mm Straight

- 8032-22P L 155mm • effective length 65mm Full Curved
- 8032-32P L 185mm • effective length 85mm Curved
- 8032-42P L 200mm • effective length 100mm Curved

※ series no. with DC at the end (e.g. 8032-21PDC) refer to diamond coating

8037-00 ~ 22

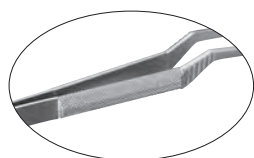
## Micro-Ring Forceps



8037-52

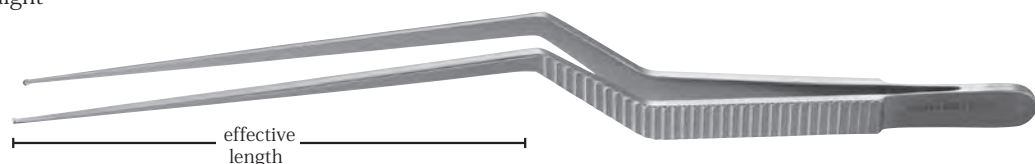
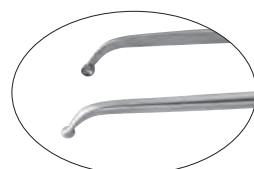
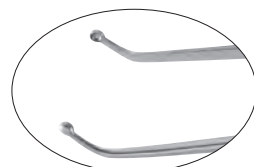
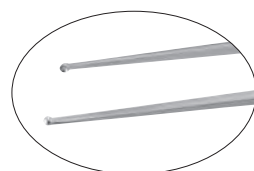
## Micro-Ring Forceps (with diamond coating)

(Design by Dr. Hasegawa)



8036-01 ~ 03

## Cup-Forceps

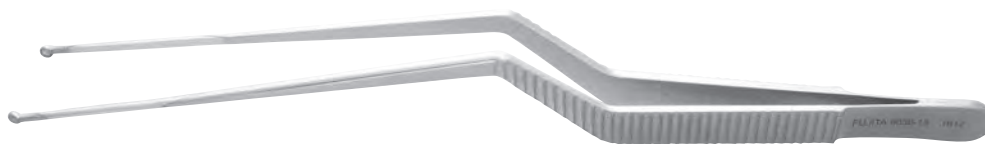
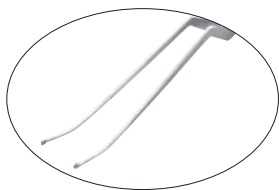


- 8036-01-1 Straight L 215mm • effective length 115mm • 1.0mm  $\phi$
- 8036-01-15 Straight L 215mm • effective length 115mm • 1.5mm  $\phi$
- 8036-01-2 Straight L 215mm • effective length 115mm • 2.0mm  $\phi$
- 8036-01-3 Straight L 215mm • effective length 115mm • 3.0mm  $\phi$
- 8036-02 UP-angled L 215mm • effective length 115mm • 2.0mm  $\phi$
- 8036-03 Down-angled L 215mm • effective length 115mm • 2.0mm  $\phi$

8036-13

## Malleable Forceps for tumor

(Design by Dr. Abe)



■ 8036-13 L 205mm • effective length 110mm • 3.0mm  $\phi$

8034-01 • 02 • 01DC • 02DC • 12

## Micro-Forceps



- 8034-01 0.1mm • L 200mm • effective length 100mm
- 8034-01DC with diamond coating
- 8034-02 0.2mm • L 200mm • effective length 100mm
- 8034-02DC with diamond coating
- 8034-12 for MVD use 0.2mm thin type • L 200mm • effective length 100mm

(Design by Dr. Hatakeyama)

8039-01F ~ 02 • 03 • 11 • 12

## Bayonet Forceps



- 8039-01F L 180mm • effective length 80mm • plain tip
- 8039-02 L 180mm • effective length 80mm • with notch
- 8039-03 L 180mm • effective length 80mm • plain serrated tip



- 8039-11 L 220mm • effective length 120mm • plain serrated tip
- 8039-12 L 220mm • effective length 120mm • with notch

8039-04

## Titanium Bayonet Forceps



- 8039-04 L 180mm • effective length 80mm • plain tip

## 8035-51 Gerald Forceps



■ 8035-51 Length 175mm

## 8035-61 • 62 Cushing Forceps



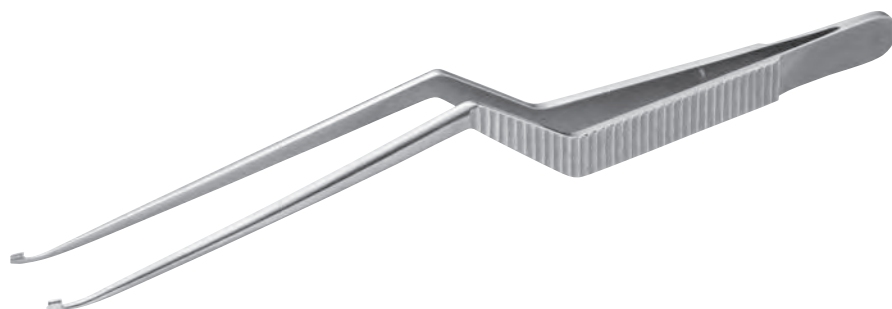
■ 8035-61 Length 175mm • tip 1.0mm  
■ 8035-62 Length 175mm • tip 1.5mm

## 8035-01 Insulated Tissue Pick-up Forceps



■ 8035-01 Length 175mm

## 8039-50 • 51 Forceps for Probe (Design by Dr. Ogiwara)



■ 8039-50 Straight L 185mm • effective length 85mm  
■ 8039-51 Curve L 185mm • effective length 85mm



8031-01 ~ 05 • 11 ~ 15 S/M/R/B • U15 • U30 • U45

## Bipolar Forceps

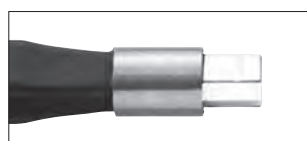
tip width \ effective length (mm)	60mm	80mm	100mm	120mm	140mm
(SSS) 0.1mm					
(SS) 0.2mm					
(S) 0.3mm • Sharp	○	○	○	○	○
(M) 0.5mm • Medium	○	○	○	○	○
(R) 0.7mm • Regular	○	○	○	○	○
(B) 1.0mm • Blunt	○	○	○	○	○
Up-angled 15° 30° 45°	○	○	○	○	○
parallel type	○	○	○	○	○



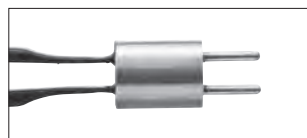
**Short**

■ 8031-01 plate L 154mm • effective length 60mm

■ 8031-11 pin L 154mm • effective length 60mm



plate



pin



UP-angled



**Medium**

■ 8031-02 plate L 174mm • effective length 80mm

■ 8031-12 pin L 174mm • effective length 80mm



**Long**

■ 8031-03 plate L 194mm • effective length 100mm

■ 8031-13 pin L 194mm • effective length 100mm



**II Long**

■ 8031-04 plate L 214mm • effective length 120mm

■ 8031-14 pin L 214mm • effective length 120mm



**III Long**

■ 8031-05 plate L 234mm • effective length 140mm

■ 8031-15 pin L 234mm • effective length 140mm

## 8031-91 ~ 95 S/M/R/B

### Malleable Bipolar Forceps (silver made)

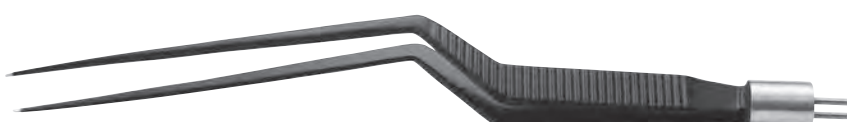
tip width \ effective length (mm)	60mm	80mm	100mm	120mm	140mm
(SSS) 0.1mm					
(SS) 0.2mm					
(S) 0.3mm • Sharp	○	○	○	○	○
(M) 0.5mm • Medium	○	○	○	○	○
(R) 0.7mm • Regular	○	○	○	○	○
(B) 1.0mm • Blunt	○	○	○	○	○
Up-angled 15° 30° 45°					
parallel type	○	○	○	○	○



■ 8031-91B L 154mm • effective length 60mm • tip 1.0mm



■ 8031-92M L 174mm • effective length 80mm • tip 0.5mm



■ 8031-93R L 194mm • effective length 100mm • tip 0.7mm



■ 8031-94M L 214mm • effective length 120mm • tip 0.5mm



■ 8031-95M L 234mm • effective length 140mm • tip 0.5mm

- 8031-91 L 154mm • effective length 60mm
- 8031-92 L 174mm • effective length 80mm
- 8031-93 L 194mm • effective length 100mm
- 8031-94 L 214mm • effective length 120mm
- 8031-95 L 234mm • effective length 140mm

## 8031-71 ~ 73 M/R/B

### Wide Shaft Bipolar Forceps (silver made)

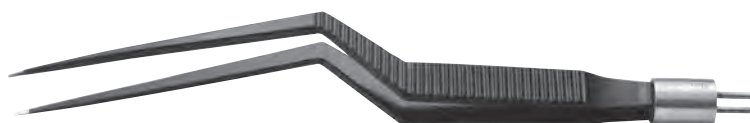
tip width \ effective length (mm)	60m/m	80m/m	100m/m	120m/m	140m/m
(SSS) 0.1m/m					
(SS) 0.2m/m					
(S) 0.3m/m • Sharp					
(M) 0.5m/m • Medium	○	○	○		
(R) 0.7m/m • Regular	○	○	○		
(B) 1.0m/m • Blunt	○	○	○		
Up-angled 15° 30° 45°					
parallel type	○	○	○		



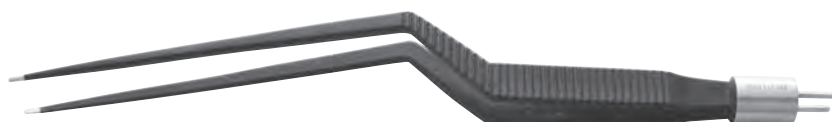
■ 8031-71B-99 L 154mm • effective length 60mm • tip 1.0mm parallel type



■ 8031-71B L 154mm • effective length 60mm • tip 1.0mm



■ 8031-72R L 174mm • effective length 80mm • tip 0.7mm



■ 8031-73B L 194mm • effective length 100mm • tip 1.0mm

- 8031-71 L 154mm • effective length 60mm
- 8031-72 L 174mm • effective length 80mm
- 8031-73 L 194mm • effective length 100mm

8031-12SS-99 • 13SS-99

## Super Sharp Bipolar Forceps

(Design by Dr.Sawamura)



■ 8031-12SS-99 L 174mm • effective length 80mm • tip 0.2mm • parallel type

■ 8031-13SS-99 L 194mm • effective length 100mm • tip 0.2mm • parallel type

8031-17 • 18 • 19 • SSS/SS/S/M/R/B

## Bipolar Forceps Straight Design

tip width \ Length (mm)	120mm	150mm
(SSS) 0.1mm	○	○
(SS) 0.2mm	○	○
(S) 0.3mm	○	○
(M) 0.5mm	○	○
(R) 0.7mm	○	○
(B) 1.0mm	○	○



■ 8031-17SSS Length 120mm • tip 0.1mm



■ 8031-17S Length 120mm • tip 0.3mm



■ 8031-18M Length 150mm • tip 0.5mm



■ 8031-18B Length 150mm • tip 1.0mm

■ 8031-17 Length 120mm

■ 8031-18 Length 150mm

■ 8031-19 Length 180mm

8702-19 • 21 • 22

## Bipolar Cable Adaptor



■ 8702-19 width 38mm



■ 8702-21 width 38mm (deep insertion)



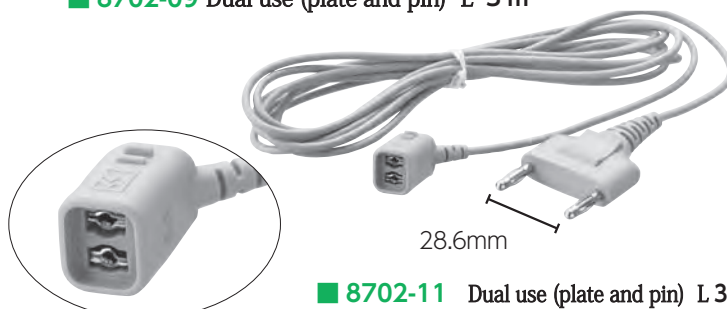
■ 8702-22 width 22mm (deep insertion)

8702-09 • 11

## Light-Weight Bipolar Cable



■ 8702-09 Dual use (plate and pin) L 3 m



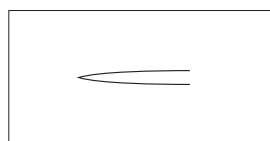
■ 8702-11 Dual use (plate and pin) L 3 m

■ 8702-11L Dual use (plate and pin) L 5 m

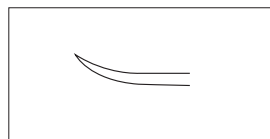
Dual use (plate and pin)

8054-01 ~ 06 • 14 • 16 • 24 • 26

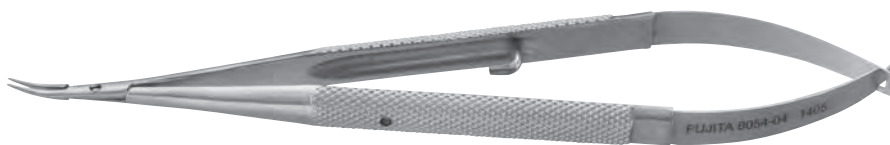
## Micro Needle Holder



Straight



Curved



### Short

- 8054-01 Straight Length 120mm
- 8054-02 Curved Length 120mm

### Medium

- 8054-03 Straight Length 150mm
- 8054-04 Curved Length 150mm
- 8054-14 Curved tapered Length 150mm
- 8054-24 Curved w/o lock tapered Length 150mm

### Long

- 8054-05 Straight Length 180mm
- 8054-06 Curved Length 180mm
- 8054-16 Curved tapered Length 180mm
- 8054-26 Curved w/o lock tapered Length 180mm

※ series no. with DC at the end (e.g. 8032-21PDC) refer to diamond coating

8054-24F • 26F • 24FDC • 26FDC

## Micro Needle Holder (Flat handle )

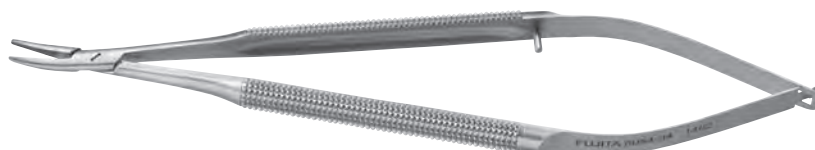


- 8054-24F L 150mm Curved thin tip
- 8054-24FDC with diamond coating
- 8054-26F L 180mm Curved thin tip
- 8054-26FDC with diamond coating

8054-33 ~ 36 • 43 ~ 46

## Micro Needle Holder (with smooth tip)

(For 6-0 • 7-0)

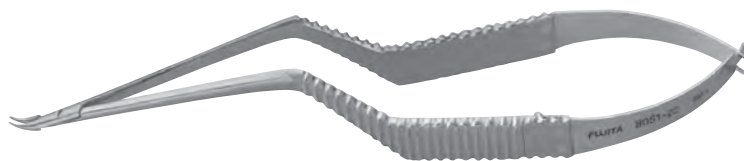


- |   |   |
|---|---|
| ■ 8054-33 Straight w/o lock Length 150mm  | ■ 8054-34 Curved w/o lock Length 150mm  |
| ■ 8054-35 Straight w/o lock Length 180mm  | ■ 8054-36 Curved w/o lock Length 180mm  |
| ■ 8054-43 Straight with lock Length 150mm | ■ 8054-44 Curved with lock Length 150mm |
| ■ 8054-45 Straight with lock Length 180mm | ■ 8054-46 Curved with lock Length 180mm |

## 8051-21 • 22 (DC)

### Micro Needle Holder (Full Curved)

(Design by Dr. Tanigawa)



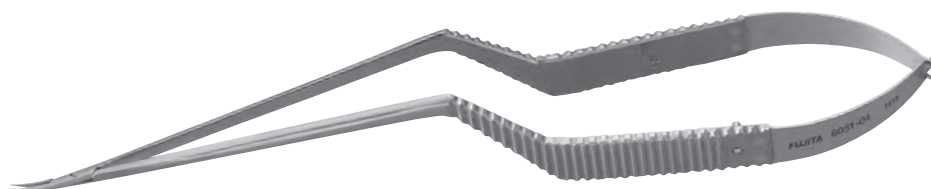
- **8051-21** Straight L 165mm • effective length 65mm
- **8051-22-10** 10° UP L 165mm • effective length 65mm
- **8051-22-30** 30° UP L 165mm • effective length 65mm

- **8051-22** 45° UP L 165mm • effective length 65mm
- **8051-22-85** 45° UP L 185mm • effective length 85mm
- **8051-22-100** 45° UP L 205mm • effective length 100mm

※ series no. with DC at the end (e.g. 8032-21PDC) refer to diamond coating

## 8051-03 • 04 • 07 • 08 (DC)

### Micro Needle Holder for deep anastomosis



- **8051-03** Straight (thin) L 200mm • effective length 100mm
- **8051-03-85** Straight (thin) L 185mm • effective length 85mm
- **8051-04** Curved (thin) L 200mm • effective length 100mm
- **8051-04-85** Curved (thin) L 185mm • effective length 85mm

- **8051-07** Straight (thick) L 220mm • effective length 120mm
- **8051-08** Curved (thick) L 220mm • effective length 120mm

※ series no. with DC at the end (e.g. 8032-21PDC) refer to diamond coating

## 8052-01

### Tapered Mathieu Needle Holder



- **8052-01** Length 190mm

## 8053-01 • 02 • 01S

### keyhole Needle Holder

Hegar Needle Holder with tapered tip of diamond coating. Most suitable to be used for operation in deep site with limited view.

- **8053-01** Length 155mm
- **8053-02** Length 190mm
- **8053-01S** For MVD Length 155mm Tapered

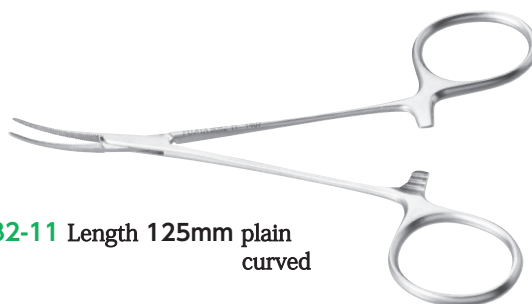
(Design by Dr. Hatakeyama)



**8082-02**  
**Forceps for Children (curved)**



**8082-11**  
**Dissecting Forceps for STA**



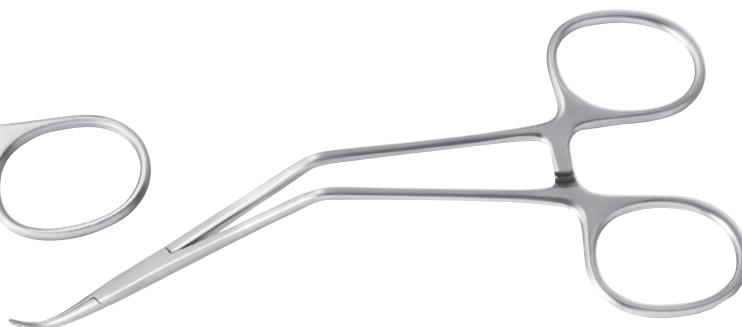
■ **8082-11** Length 125mm plain curved

**8082-21 • 23 • 24**  
**Dissecting Forceps for CEA**



■ **8082-21** plain, curved Length 160mm

■ **8082-23** plain, full curved Length 160mm



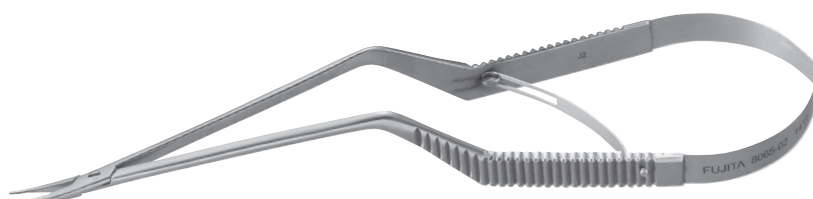
■ **8082-24** bended, plain, full curved Length 160mm

**8083-13**  
**Cutting Dissecting Forceps for CEA**



Length 180mm

**8065-01 • 02**  
**Titanium Hemoclip Forceps for AVM**



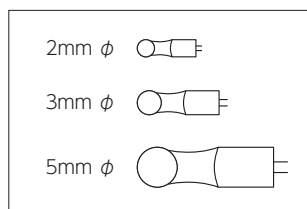
■ **8065-01** Straight L 200mm • effective length 90mm

■ **8065-02** Curved L 200mm • effective length 90mm



## 8041-01 ~ 52

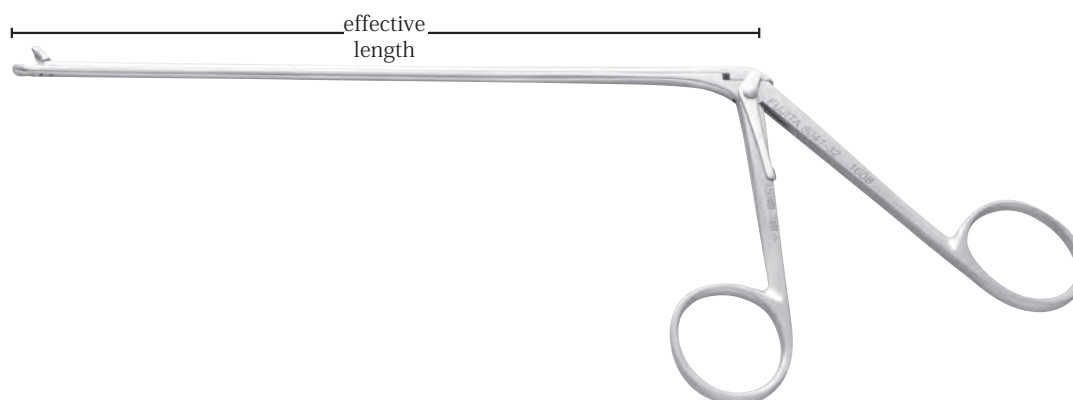
### Cup-Forceps for Tumor



■ 8041-01 Curved effective length 150mm • 2.5mm  $\phi$



■ 8041-22 effective length 150mm • 2.0mm  $\phi$   
 ■ 8041-23 effective length 180mm • 2.0mm  $\phi$   
 ■ 8041-23-45 45° UP effective length 180mm • 2.0mm  $\phi$   
 ■ 8041-23-45D 45° DOWN effective length 180mm • 2.0mm  $\phi$



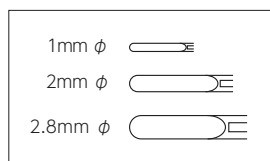
■ 8041-32 effective length 150mm • 3.0mm  $\phi$



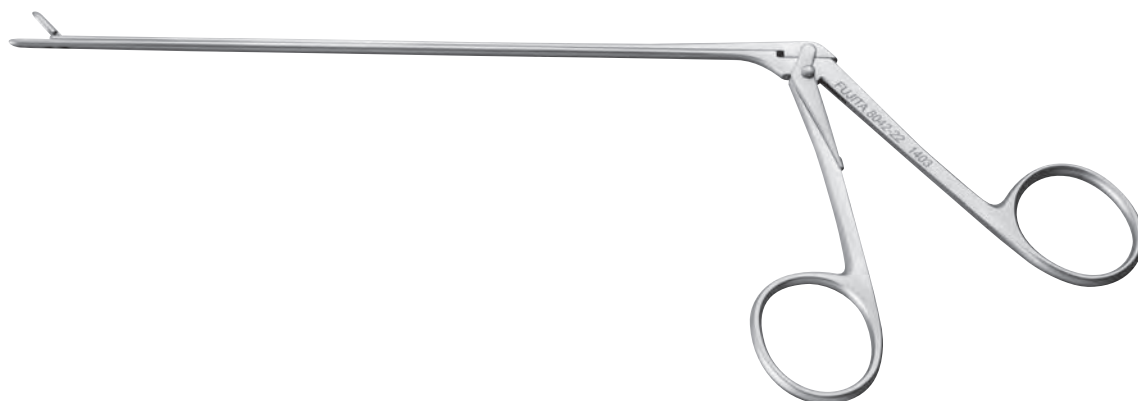
■ 8041-52 effective length 150mm • 5.0mm  $\phi$

## 8042-12 ~ 32

### Alligator Forceps



- 8042-12 effective length 150mm • 1.0mm Straight
- 8042-13 effective length 150mm • 1.0mm Up-angled
- 8042-13-60 effective length 150mm • 1.0mm Up-angled 60°
- 8042-14 effective length 150mm • 1.0mm Rt curved
- 8042-15 effective length 150mm • 1.0mm Lt curved



- 8042-22 effective length 150mm • 2.0mm



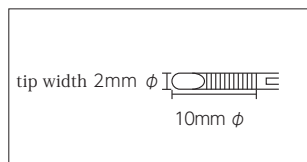
- 8042-32 effective length 150mm • 2.8mm

8049-01 • 02 • 04

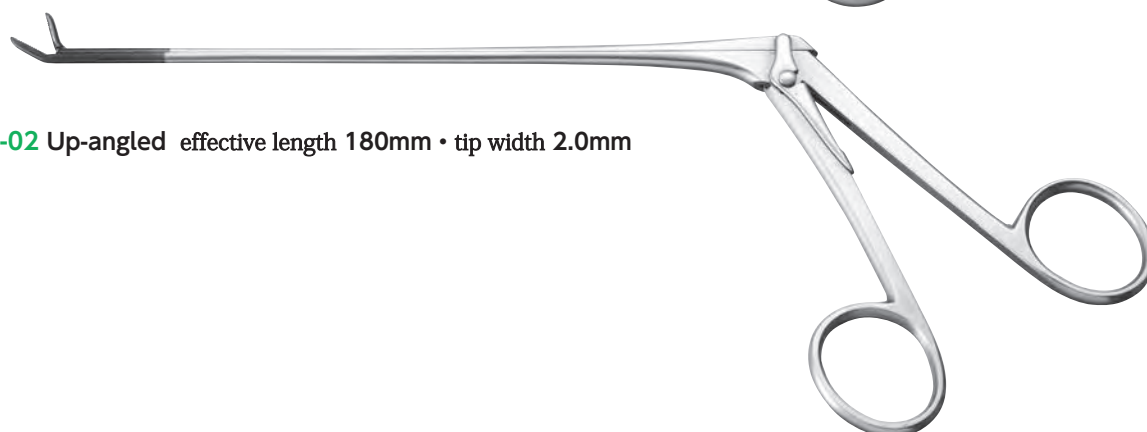
## Alligator Forceps

(Design by Dr. Hidaka)

■ **8049-01** Straight effective length 180mm • tip width 2.0mm

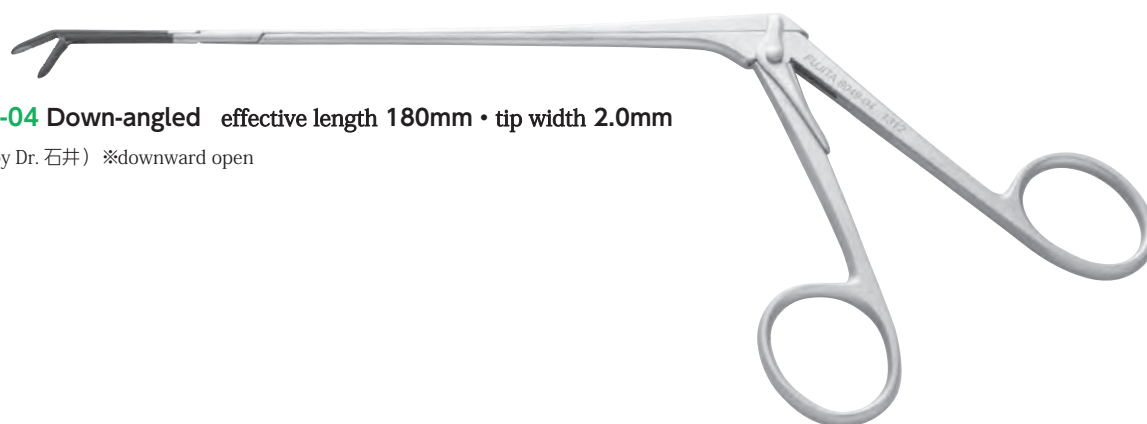


■ **8049-02** Up-angled effective length 180mm • tip width 2.0mm



■ **8049-04** Down-angled effective length 180mm • tip width 2.0mm

(Design by Dr. 石井) ※downward open



8043-01

## Biopsy Forceps

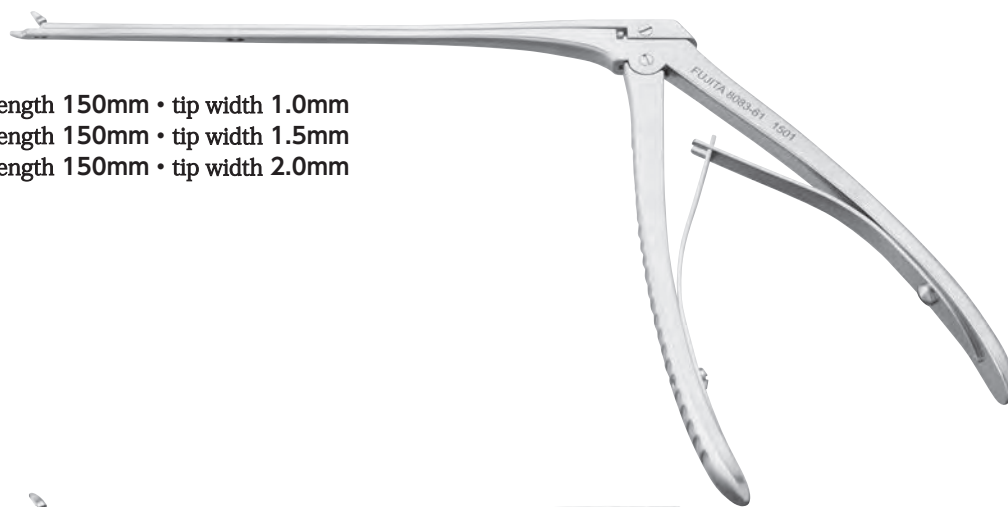
■ **8043-01** effective length 150mm 2.0x3.0mm  $\phi$



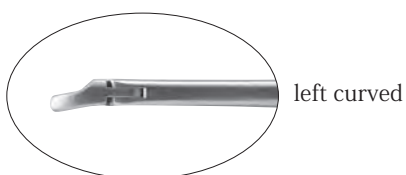
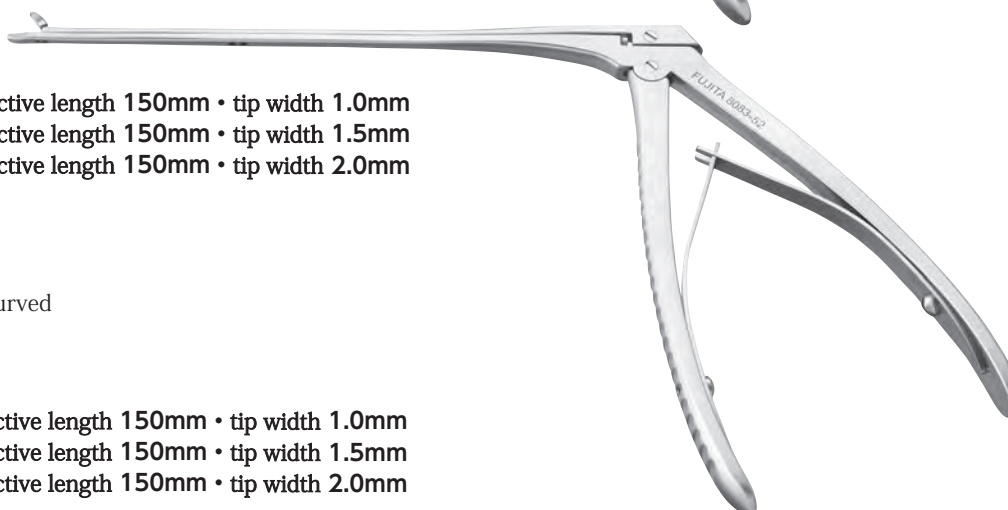
8083-51 ~ 55 8083-61 ~ 67 8083-71 ~ 75

## Micro-Rongeur (for skull base)

- 8083-61 Straight effective length 150mm • tip width 1.0mm
- 8083-71 Straight effective length 150mm • tip width 1.5mm
- 8083-51 Straight effective length 150mm • tip width 2.0mm



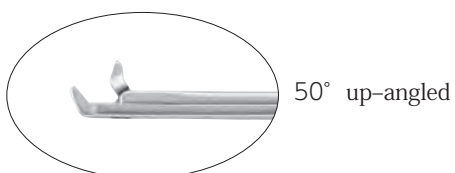
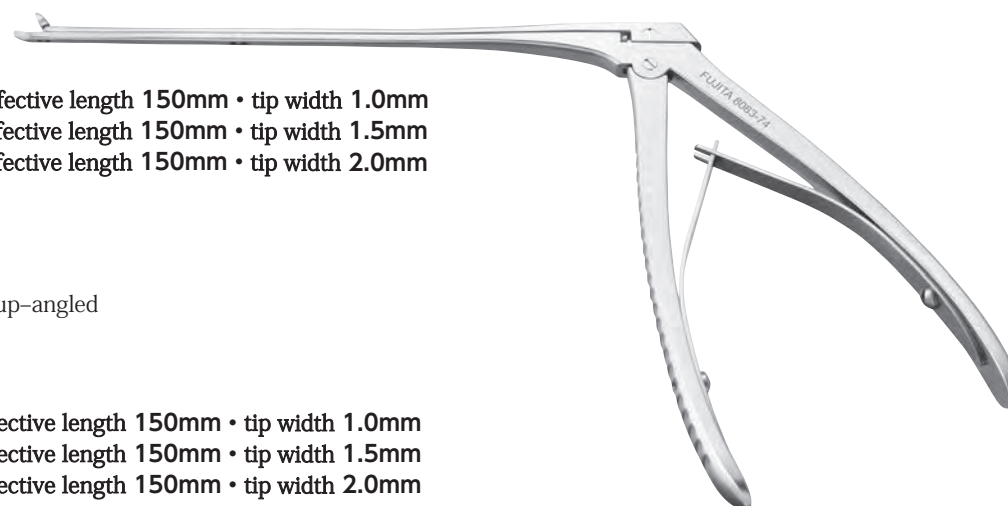
- 8083-62 Right Curved effective length 150mm • tip width 1.0mm
- 8083-72 Right Curved effective length 150mm • tip width 1.5mm
- 8083-52 Right Curved effective length 150mm • tip width 2.0mm



left curved

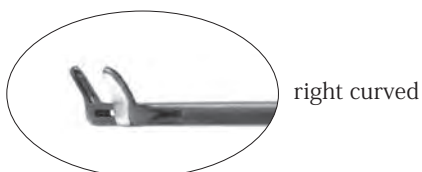
- 8083-63 Left Curved effective length 150mm • tip width 1.0mm
- 8083-73 Left Curved effective length 150mm • tip width 1.5mm
- 8083-53 Left Curved effective length 150mm • tip width 2.0mm

- 8083-64 10° Up-angled effective length 150mm • tip width 1.0mm
- 8083-74 10° Up-angled effective length 150mm • tip width 1.5mm
- 8083-54 10° Up-angled effective length 150mm • tip width 2.0mm



50° up-angled

- 8083-65 50° Up-angled effective length 150mm • tip width 1.0mm
- 8083-75 50° Up-angled effective length 150mm • tip width 1.5mm
- 8083-55 50° Up-angled effective length 150mm • tip width 2.0mm



right curved

- 8083-66 Rt Curved effective length 150mm • tip width 1.0mm
- 8083-67 Lt Curved effective length 150mm • tip width 1.0mm

※ sales end while stocks last

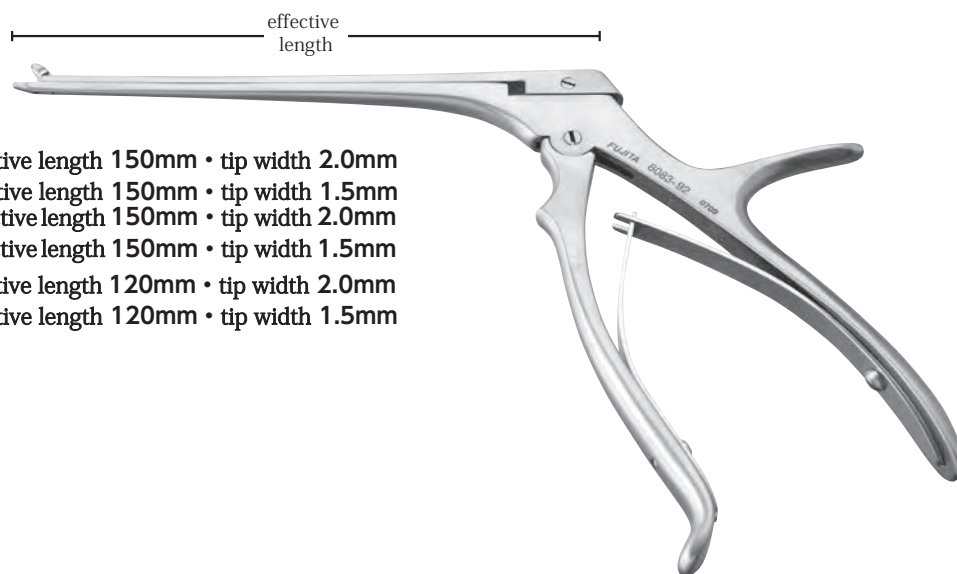
※ sales end while stocks last

8083-81 • 82 • 85 • 91 • 92 • 95

## Micro-Rongeur (wide)

- 8083-81 Straight
- 8083-91 Straight
- 8083-85 50° up-angled
- 8083-95 50° up-angled
- 8083-82 Straight
- 8083-92 Straight

effective length 150mm • tip width 2.0mm  
effective length 150mm • tip width 1.5mm  
effective length 150mm • tip width 2.0mm  
effective length 150mm • tip width 1.5mm  
effective length 120mm • tip width 2.0mm  
effective length 120mm • tip width 1.5mm



8083-01 ~ 06

## Micro-Rongeur (For Skull base use)

(Design by Dr. Hiragawa & Dr. Fukusima)



- 8083-01 Straight 1.0mm
- 8083-03 Straight 2.0mm
- 8083-05 Straight 3.0mm



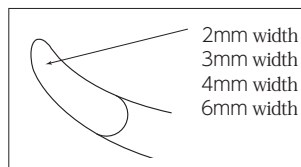
- 8083-02 Curved 1.0mm
- 8083-04 Curved 2.0mm
- 8083-06 Curved 3.0mm

8081-01 • 02

## Tapered Double Action Rongeur



■ **8081-01** (Small Curved) Length 180mm • width 3.0mm



- **8081-02-6** Length 220mm • width 6.0mm Large angled
- **8081-02-2** Length 220mm • width 2.0mm Large angled
- **8081-02-3** Length 220mm • width 3.0mm Large angled
- **8081-02-4** Length 220mm • width 4.0mm Large angled

8081-10 • 12

## Double Action Rongeur for Sphenoid Ridge



- **8081-10** Length 200mm • 1.0mm (Curved)
- **8081-12** Length 200mm • 2.0mm (Curved)

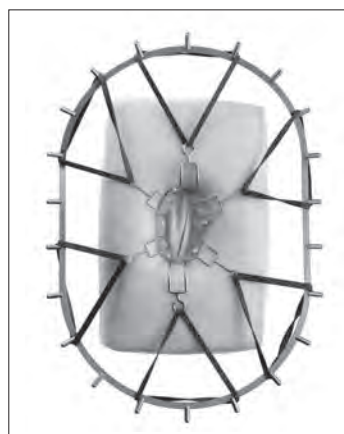


8117-01SN • 02SN • 03SN

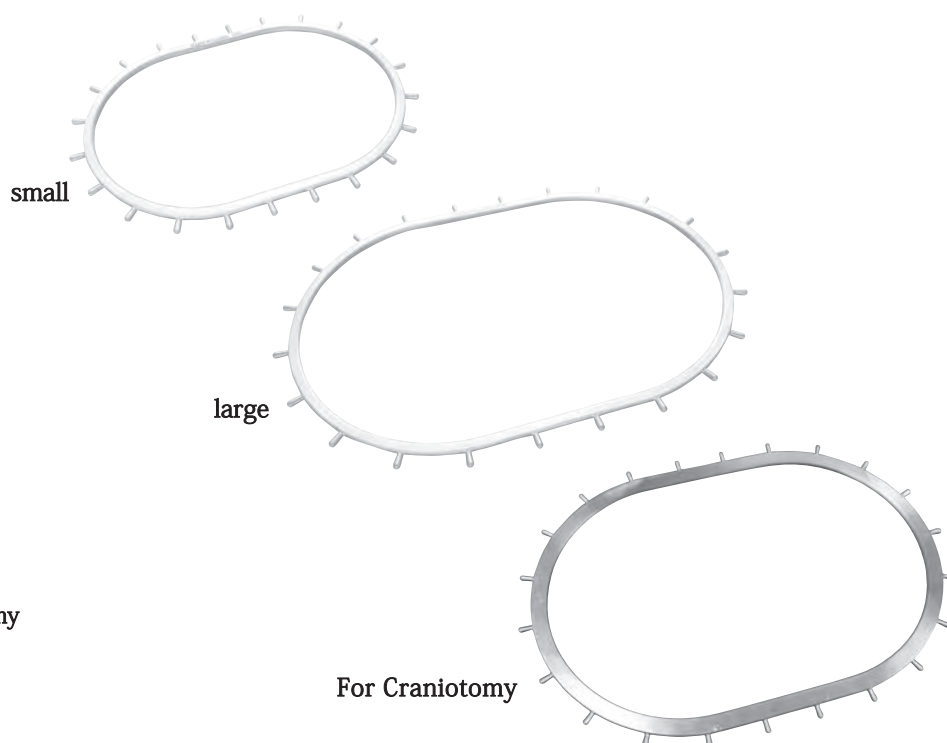
Ring retractor (Made of Tin)

【ORS (Omnidirectional retraction supporting)】

(Design by Dr. Okada)



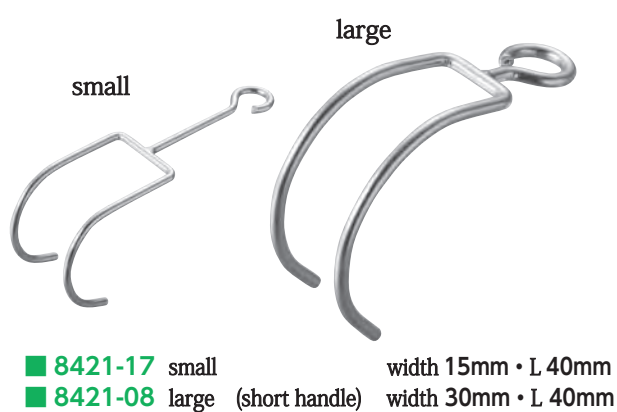
〈 set example of Ring Retractor 〉



- 8117-01SN Ring I Large
- 8117-02SN Ring II Small
- 8117-03SN Ring III For Craniotomy

8421-08 • 17

Blunt Scalp Hooks



- 8421-17 small width 15mm • L 40mm
- 8421-08 large (short handle) width 30mm • L 40mm

8421-41 ~ 43

Retractor Hooks (Blade type)

(Design by Dr. Izuka)

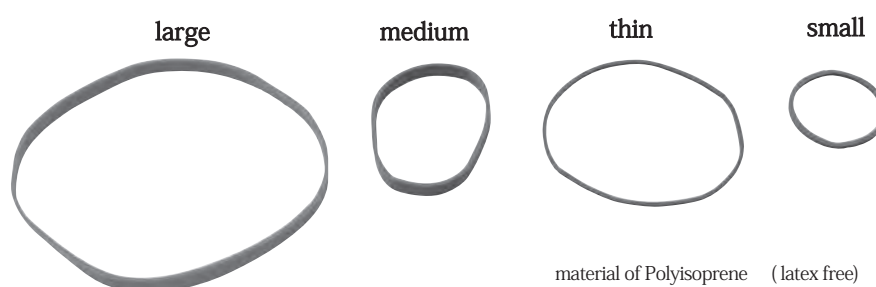
Most favorable to use with ORS to deal with shunt case



- 8421-41 tip width 12mm
- 8421-42 tip width 15mm
- 8421-43 tip width 18mm

80-763RM • 764RM • 762RM • 768RM

Rubber Band (autoclavable)

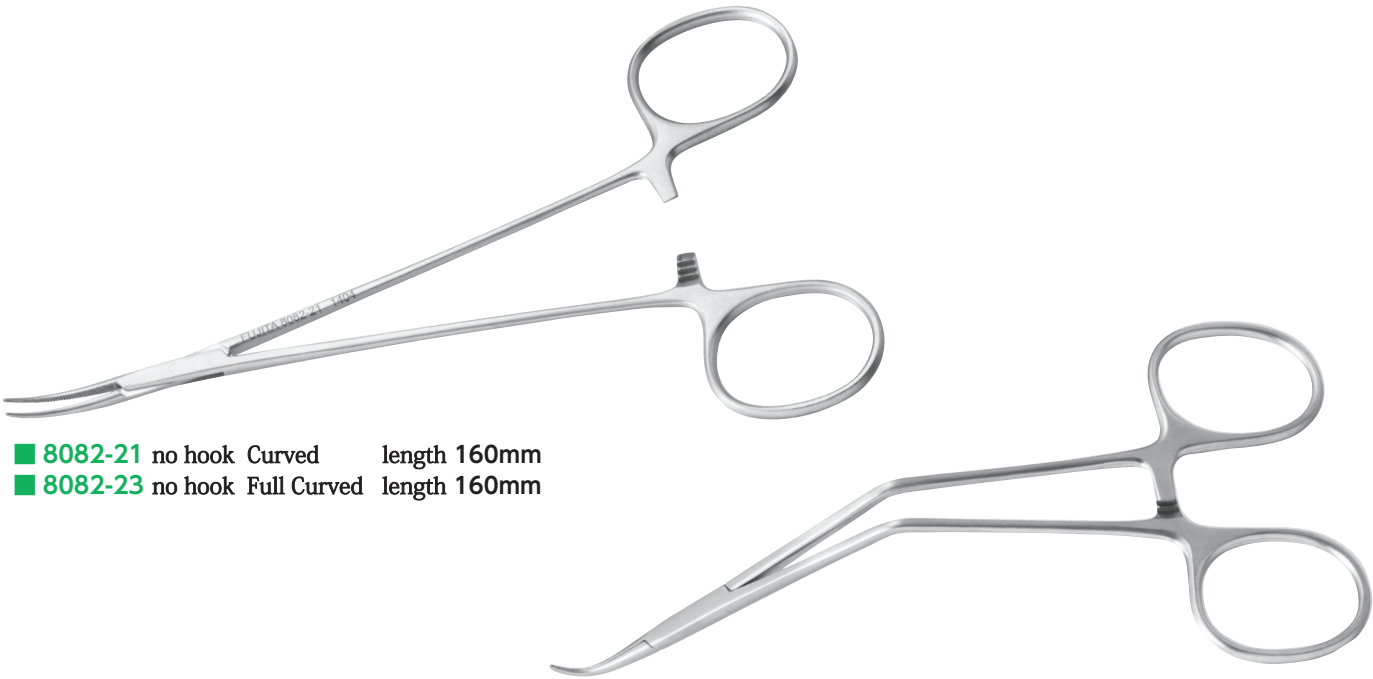


- 80-763RM large
- 80-764RM medium
- 80-762RM thin
- 80-768RM small

material of Polyisoprene (latex free)

8082-21 • 23 • 24

Dissecting Forceps for CEA



- 8082-21 no hook Curved length 160mm
- 8082-23 no hook Full Curved length 160mm

■ 8082-24 no hook Full Curved length 160mm

8083-13

Cutting Dissecting Forceps for CEA

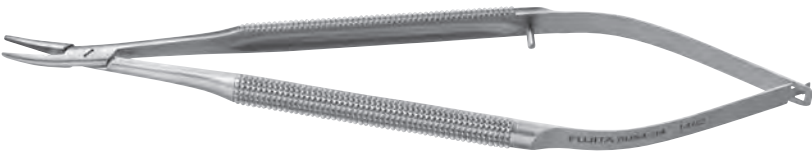


length 180mm

8054-33 ~ 36 • 43 ~ 46

Micro Needle Holder (with smooth tip)

( For 6-0 • 7-0 )



- |           |          |           |              |           |        |           |              |
|-----------|----------|-----------|--------------|-----------|--------|-----------|--------------|
| ■ 8054-33 | Straight | w/o lock  | Length 150mm | ■ 8054-34 | Curved | w/o lock  | Length 150mm |
| ■ 8054-35 | Straight | w/o lock  | Length 180mm | ■ 8054-36 | Curved | w/o lock  | Length 180mm |
| ■ 8054-43 | Straight | with lock | Length 150mm | ■ 8054-44 | Curved | with lock | Length 150mm |
| ■ 8054-45 | Straight | with lock | Length 180mm | ■ 8054-46 | Curved | with lock | Length 180mm |

8027-14 • 16

## Micro-Scissors (Thin blade , Full Curved)



- 8027-14 Full Curved L 150mm • Blade length 10mm
- 8027-16 Full Curved L 180mm • Blade length 10mm

8027-53-15 ~ 56-15

## Micro-Scissors (Medium &amp; Saw blade)



- 8027-53-15 Straight L 150mm • blade length 15mm
- 8027-54-15 Curved L 150mm • blade length 15mm
- 8027-55-15 Straight L 180mm • blade length 15mm
- 8027-56-15 Curved L 180mm • blade length 15mm

8037-00 ~ 02

## Micro-Ring Forceps



- 8037-00 length 150mm • 1.0mm  $\phi$
- 8037-01 length 180mm • 1.0mm  $\phi$
- 8037-01-15 length 180mm • 1.5mm  $\phi$
- 8037-02 length 180mm • 2.0mm  $\phi$

8035-61 • 62

## Cushing Forceps



- 8035-61 length 175mm • tip 1.0mm
- 8035-62 length 175mm • tip 1.5mm

8111-01 • 02

## Gelpi Retractor



- 8111-01 Large length 185mm
- 8111-02 Medium length 140mm (For Janetta Surgery)

8112-01 • 02

## Burr Hole Retractor



- 8112-01 Curved length 110mm
- 8112-02 Straight length 110mm

8115-01 • 02

## Weitlaner Retractor



- 8115-01 length 140mm • claw 3 × 4
- 8115-02 length 140mm • claw 2 × 3

8115-12

## Weitlaner Retractor with joint



- 8115-12 Length 160mm

8115-2A

## Flat Retractor with joint

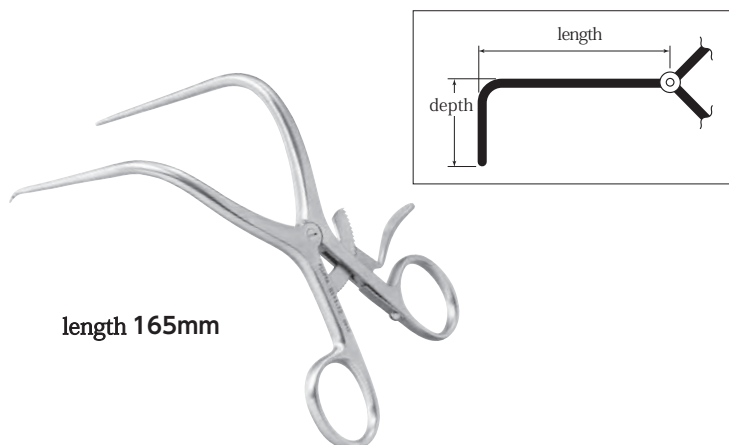


most suitable for tracheostomy

- 8115-2A L 160mm • W 13mm • Depth 40mm

8111-11 ~ 13

Gelpi- Seletz Retractor (deep curved type)



length 165mm

- 8111-11 L 90mm • depth 70mm
- 8111-12 L 55mm • depth 100mm
- 8111-13 L 85mm • depth 100mm

8111-14 • 14-50 • 14-70

Gelpi- Seletz Retractor (parallel type)



- 8111-14 depth 60mm
- 8111-14-50 depth 50mm
- 8111-14-70 depth 70mm

8119-01

Cervical Vertebra Spreaders



8111-15

Gelpi- Seletz Retractor (parallel type A)



- 8111-15 depth 55mm

8116-80

Spinal Retractor



8116-89

Dilatar for Spinal Retractor



## 8074-01 • 02 Joker Elevator



■ 8074-01 length 185mm • 7.0mm

■ 8074-02 length 185mm • 5.0mm

## 8074-11 • 12 • 13 Langenbeck Elevator



■ 8074-11 length 195mm • 15.0mm

■ 8074-12 length 195mm • 10.0mm

■ 8074-13 length 195mm • 6.0mm

## 8074-21 Howard Elevator



■ 8074-21 length 220mm • 5.5mm

## 8074-31 • 32 Howard Elevator



■ 8074-31 straight 150mm

■ 8074-32 curved 150mm

※ sales end while stocks last

## 8072-01 Periosteal Elevator



length 170mm

## 8095-01 ~ 08 Chisel for Skull Base



■ 8095-01 Straight length 200mm • 4.0mm

■ 8095-02 Curved length 200mm • 4.0mm

■ 8095-03 Straight length 200mm • 4.0mm • blunt

■ 8095-04 Curved length 200mm • 4.0mm • blunt



■ 8095-05 Straight length 200mm • 8.0mm

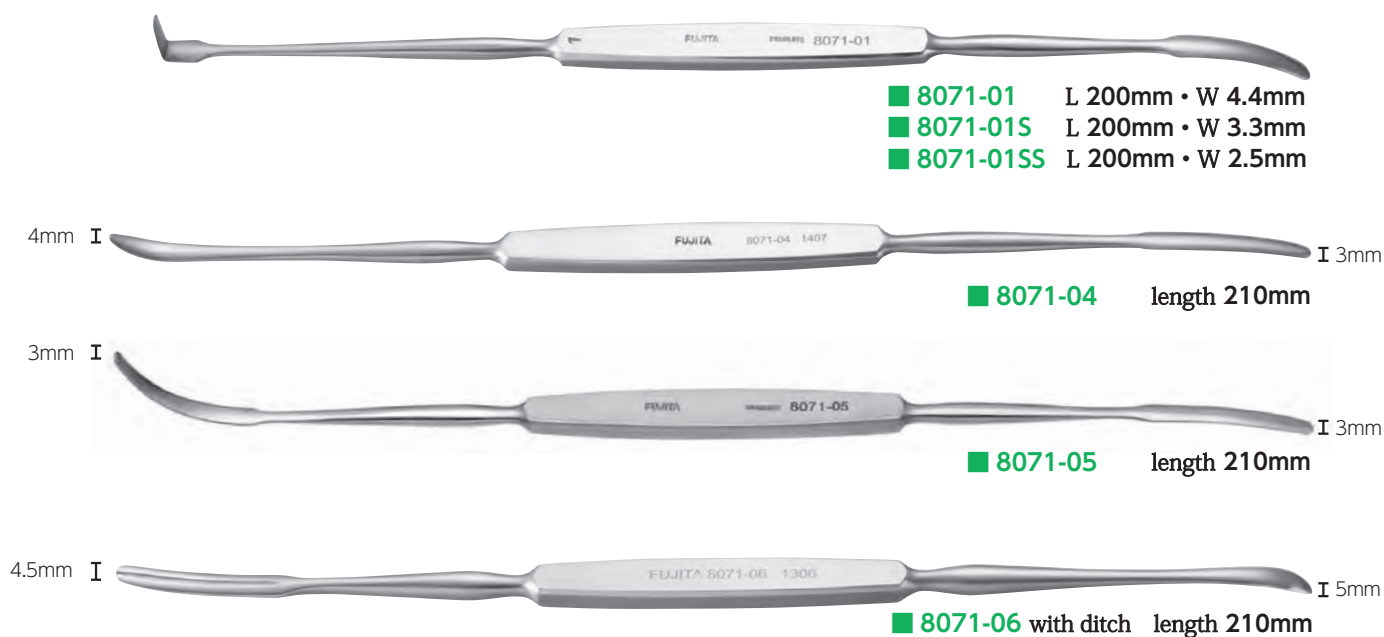
■ 8095-06 Curved length 200mm • 8.0mm

■ 8095-07 Straight length 200mm • 8.0mm • blunt

■ 8095-08 Curved length 200mm • 8.0mm • blunt



## 8071-01 ~ 06 Dura Elevator



## 8071-11 • 12 • 12S Dura Elevator



## 8071-21 • 22 Flexible Dura Elevator



## 8412-01 ~ 04

### Malleable Tapered Brain Retractor (black coated)



■ 8412-01 length 200mm • 2.2mm



■ 8412-02 length 200mm • 3.8mm



■ 8412-03 length 200mm • 5.5mm



■ 8412-04 length 230mm • 2.2 ~ 3.8mm

## 8412-11 ~ 13

### Malleable Tapered Brain Retractor (black-coated/ narrow-blade)



■ 8412-11 length 200mm • 2.2mm



■ 8412-12 length 200mm • 3.8mm

■ 8412-13 length 200mm • 5.5mm

## 8413-03 ~ 20

### Malleable Brain Spatula (black coated)

(length 200mm)



■ 8413-03 3.0mm



■ 8413-05 5.0mm



■ 8413-07 7.0mm

■ 8413-10 10.0mm

■ 8413-12 12.0mm

■ 8413-15 15.0mm

■ 8413-18 18.0mm

■ 8413-20 20.0mm

8411-01

## Malleable Serrated Tumor Retractor



■ 8411-01 length 200mm • 3.0mm

8417-01U ~ 03U

## U Serrated Extradural Retractor



■ 8417-01U length 200mm • 2.2mm



■ 8417-02U length 200mm • 3.8mm

■ 8417-03U length 200mm • 5.5mm

8415-00 ~ 06

## Malleable Thin Tip Brain Retractor (black coated)

(Design by Dr. Aoki)



■ 8415-00 length 200mm • 0.5mm



■ 8415-01 length 200mm • 1.0mm



■ 8415-02 length 200mm • 2.0mm

■ 8415-03 length 200mm • 3.0mm

■ 8415-04 length 200mm • 4.0mm

■ 8415-05 length 200mm • 5.0mm

■ 8415-06 length 200mm • 6.0mm

8416-01 • 02

## Malleable Suction-Brain Retractor (black coated)



■ 8416-01 length 195mm • 3.7mm



■ 8416-02 length 195mm • 8.2mm

8451-00 ~ 03 • 10 ~ 13

## Ventricular Cannula

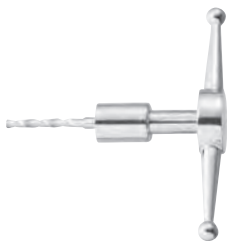


- side hole ■ **8451-01** 1.4mm  $\phi$  • effective length 90mm    ■ **8451-02** 2.0mm  $\phi$  • effective length 100mm
- **8451-03** 2.5mm  $\phi$  • effective length 100mm    ■ **8451-00** 1.2mm  $\phi$  • effective length 100mm

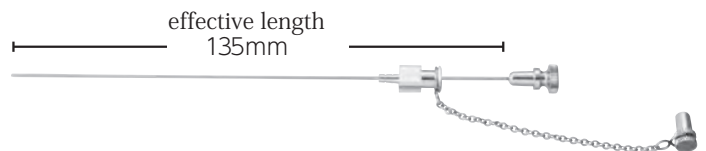


- tip hole ■ **8451-11** 1.4mm  $\phi$  • effective length 90mm    ■ **8451-12** 2.0mm  $\phi$  • effective length 100mm
- **8451-13** 2.5mm  $\phi$  • effective length 100mm    ■ **8451-10** 1.2mm  $\phi$  • effective length 100mm

## 8459-03 Twist Drill

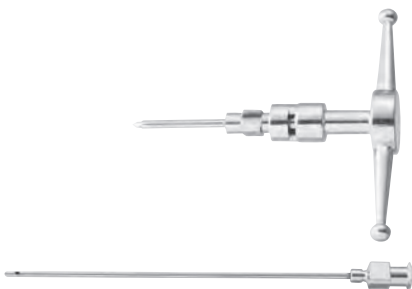


## 8451-90 Ventriclar Cannula Stylet



## 8459-02 Subdural Needle (for adult)

( Design by Dr. Aoki )



- **8459-02** < For adult >

## 8459-04 Guide wire for Subdural Needle/ Side-holed Ventricular Cannula with stopper



## 8802-02 • 03

### Malleable Continuous Suction Tube

( Design by Dr. Okada)

- to be used in surgical field
- can be bent freely and place in anywhere as made by mesh structure of stainless steel



set example (8802-03+8802-02)



■ 8802-03 malleable stainless tube 3.0  $\phi$  × 150mm



■ 8802-02 continuous suction attachment

## 8802-01

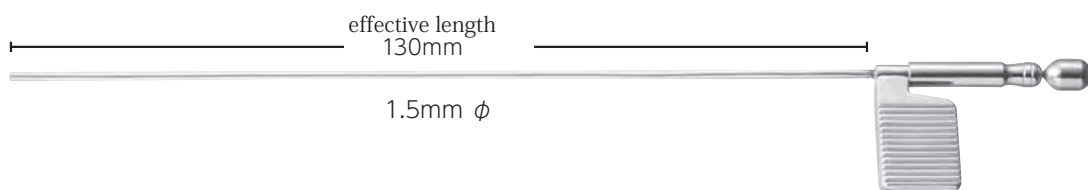
### Connecting Tube

length 50cm



## 8441-01

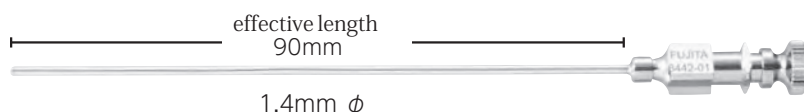
### Malleable Needle for Drip Irrigation



## 8442-01

### Malleable Irrigation Needle (micro-irrigation , clot-washer)

Use for micro-irrigation of deep field, especially for irrigating the blood clot in basal cistern.



## 8471-01 ~ 06

### Brain Irrigator (rubber-made)



- 8471-01 L-size set (90cc irrigator + nozzle)
- 8471-02 S-size set (55cc irrigator + nozzle)
- 8471-03 L-size (90cc) irrigator 65mm  $\phi$
- 8471-04 S-size (55cc) irrigator 53mm  $\phi$
- 8471-05 nozzle for 90cc irrigator
- 8471-06 nozzle for 55cc irrigator

## 8471-13+8471-05

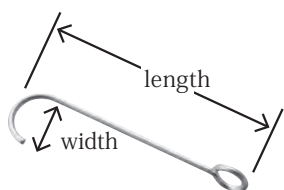
### Brain Irrigator (silicon-made)



- 8471-13 L-size (90cc) irrigator 65mm  $\phi$
- 8471-05 nozzle for 90cc irrigator

※ nozzle are metal-made

## 8421-000 ~ 17 Blunt Scalp Hooks



■ 8421-000 width 10mm • length 45mm



■ 8421-00 width 15mm • length 50mm



Small width 25mm • length 50mm

■ 8421-01

■ 8421-01L (Large)



Medium width 30mm • length 60mm

■ 8421-02

■ 8421-02L (Large)



Large width 35mm • length 65mm

■ 8421-03



Double width 17mm • length 35mm  
(Design by Dr. Tomita)

■ 8421-05



■ 8421-07

Large  
width 30mm • length 80mm



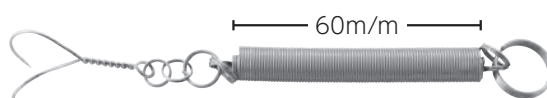
■ 8421-17

Small  
width 15mm • length 40mm



■ 8421-08

Large with short handle  
width 30mm • length 40mm



■ 8421-09

(with spring)

### 8421-30

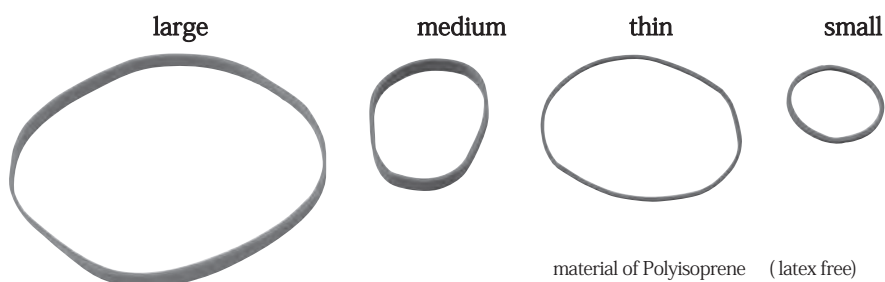
### Blunt Scalp for Klemme



### 80-763RM • 764RM • 762RM • 768RM

### Rubber Band (autoclavable)

- 80-763RM large
- 80-764RM medium
- 80-762RM thin
- 80-768RM small



material of Polyisoprene (latex free)



8491-01 • 02 • 60 • 75

## Catheter Passer

( Design by Dr.Shitaji )

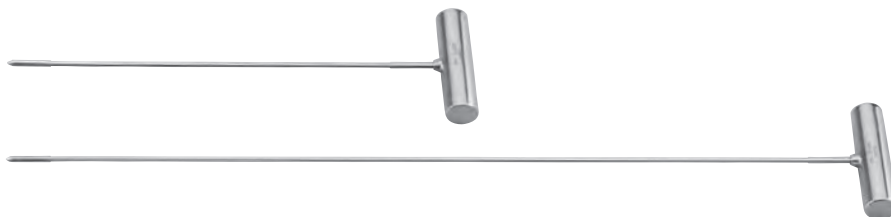
■ 8491-01 small 25cm

■ 8491-02 medium 50cm

■ 8491-60 large 60cm

■ 8491-75 large 75cm

※ teflon outer tube is attached to all sizes



8491-03 • 04 • 05 • 06

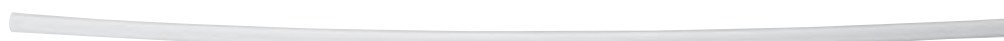
## Outer Tube (Teflon) for Catheter Passer

■ 8491-03 small 25cm

■ 8491-04 medium 50cm

■ 8491-05 60cm

■ 8491-06 75cm



8491-11 • 12

## Catheter Passer (tube type)

■ 8491-11 large 60cm

■ 8491-12 small 25cm



8049-11

## Catheter Forceps

■ 8049-11 effective length 230mm



8711-01 ~ 10

## Instrument Pocket (single , double , triple)

( Design by Dr. Shitaji )

\* with silicon sponge



triple



double

■ 8711-01 Single set

■ 8711-02 Double set

■ 8711-03 Triple set

■ 8711-04 single pocket

■ 8711-05 double pocket

■ 8711-06 triple pocket

■ 8711-07 pot S 145mm

■ 8711-08 pot M 160mm

■ 8711-09 pot L 175mm

8712-01

## Water Pot



◎ sponge is placed at the bottom of the water pot

8711-10

## sponge



8015-51

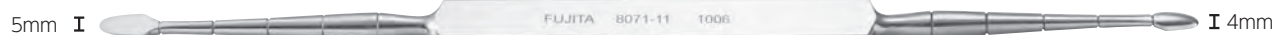
Micro-Dissector for Skull Base Tumor



■ 8015-51 C3 length 185mm • width 1.0mm

8071-11

Dura Elevator



■ 8071-11 Straight length 200mm

8015-61 • 62

Micro-Dissector



■ 8015-61 length 185mm



■ 8015-62 length 195mm  
effective length 95mm

8096-02

Micro Knife



■ 8096-02 length 185mm  
effective length 85mm

8013-60 • 61

Knife for Tumor



■ 8013-60 45° UP length 185mm  
effective length 85mm



■ 8013-61 90° UP length 185mm  
effective length 85mm

8013-73 • 74

Knife for Tumor



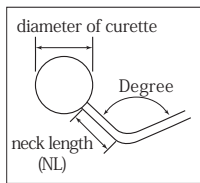
■ 8013-73 45° UP length 195mm  
effective length 95mm



■ 8013-74 90° UP length 195mm  
effective length 95mm

## 8013-10 • 11

## Flat-Blade Micro-Ringcurette for Tumor



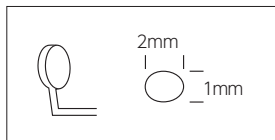
■ 8013-10 Degree 80° Diameter 1.0 mm  $\phi$  • NL 3.0mm • Length 195mm • effective length 95mm



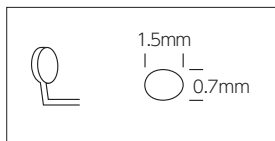
■ 8013-11 Degree 80° Diameter 1.5mm  $\phi$  • NL 3.0mm • Length 195mm • effective length 95mm

## 8016-00 • 10 • 11

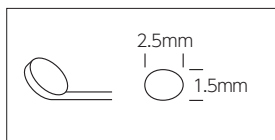
## Micro-Curette



■ 8016-00 Mini length 195mm effective length 95mm



■ 8016-10 Ultra Mini length 195mm effective length 95mm



■ 8016-11 Small length 195mm effective length 95mm

## 8037-11

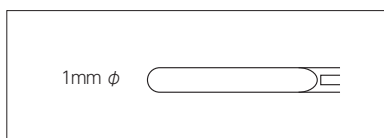
## Micro-Ring Forceps



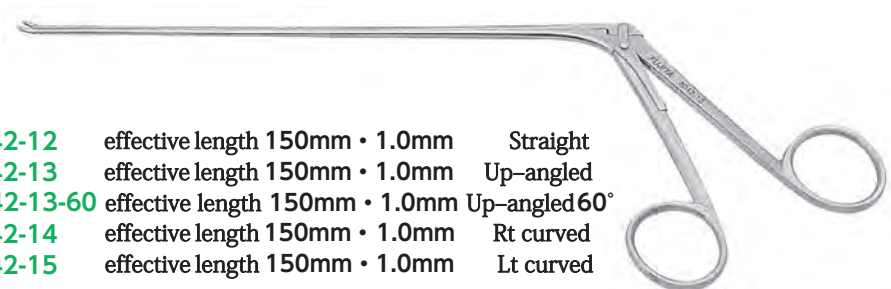
■ 8037-11 L 200mm • effective length 110mm • 1.0mm  $\phi$

## 8042-12 ~ 15

## Alligator Forceps



- 8042-12 effective length 150mm • 1.0mm Straight
- 8042-13 effective length 150mm • 1.0mm Up-angled
- 8042-13-60 effective length 150mm • 1.0mm Up-angled 60°
- 8042-14 effective length 150mm • 1.0mm Rt curved
- 8042-15 effective length 150mm • 1.0mm Lt curved



Produced by Carl Zeiss Microscopy

# Microscopy Stemi 305

(use for practice of vascular anastomosis)

Stemi 305 series

- **Stemi 305 EDU** : basic model with 2 eyeglass tubes
- **Stemi 305 Trino EDU** : 3 eyeglass tubes; used for mount camera with 0.5 times internal adaptor
- **Stemi 305 Cam EDU** : 1.2M WiFi camera (can be viewed and take photo by iPad)



■ coaxial lighting



■ coaxial & spot lighting



■ Transmitted light illumination



■ ring light ※optional

0709 • 1012 • 1517

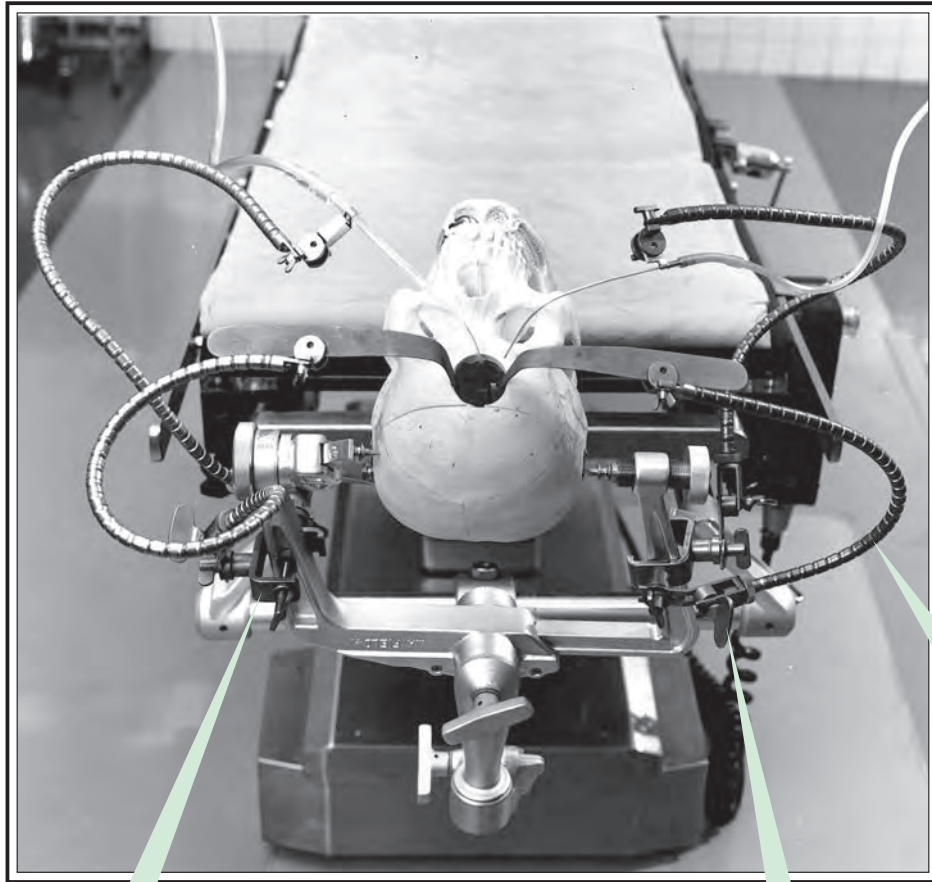
Silicon Tube for Training of vascular anastomosis



- **0709** Int. Dia 0.7mm • Ext. Dia 0.9mm
- **1012** Int. Dia 1.0mm • Ext. Dia 1.2mm
- **1517** Int. Dia 1.5mm • Ext. Dia 1.7mm

## Midline Approach for Anterior Communicating Aneurysm

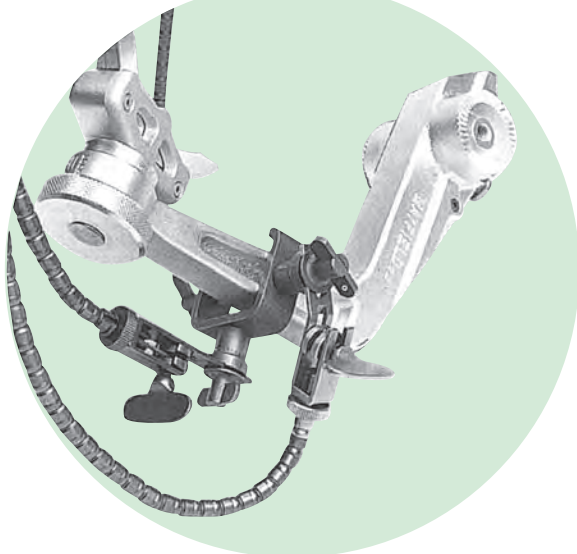
# Keyhole Surgery Set



Titanium  
Snake Holder

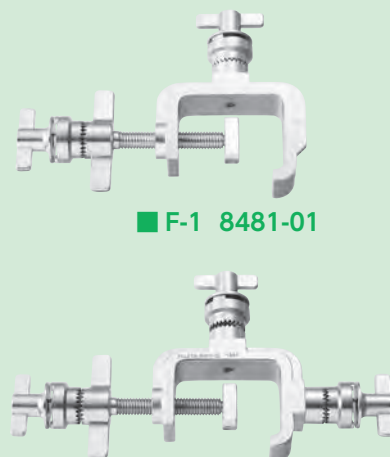
- 8991-01 38cm
- 8991-02 42cm

● Attachment of Snake holder



The arm of Mayfield Skull Clamp can attach to the sterile field directly.

Retractor Holder



■ F-1 8481-01

■ F-2 8481-02

8997-02S

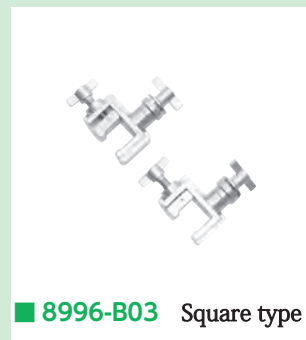
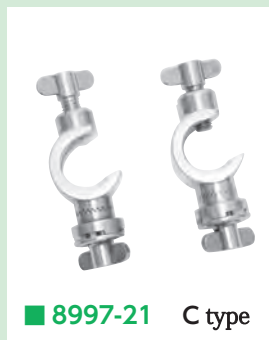
## Set for BJ Arm II



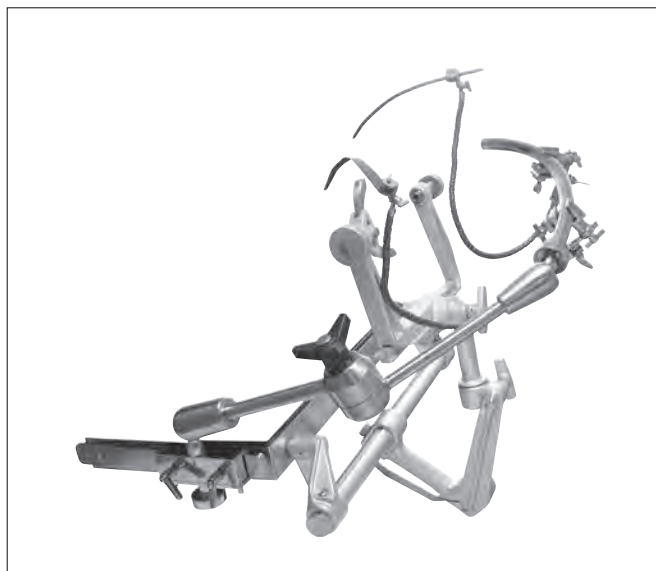
BJ Arm set includes:



Attachment for fixation (option)



Example of BJ Arm II set



※ could be installed on the side rail of surgical table ※ can be fixed on non-woven cloth



8996-00S  
J ARM



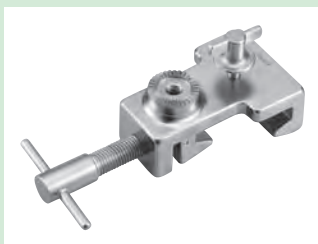
J Arm  
attachment of snake holder

8997-00S  
B · J ARM



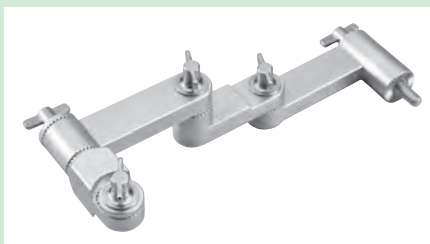
B · J Arm  
attachment of snake holder

Fixer

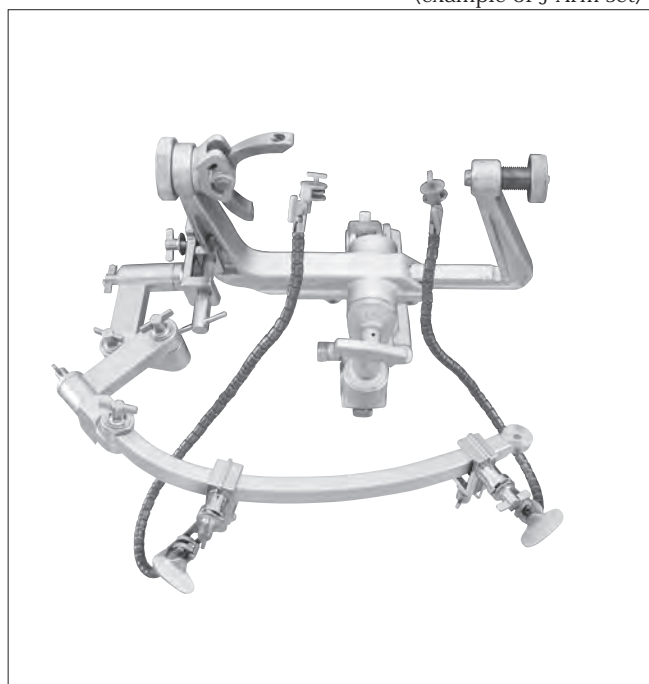


※ fixed on non-woven cloth

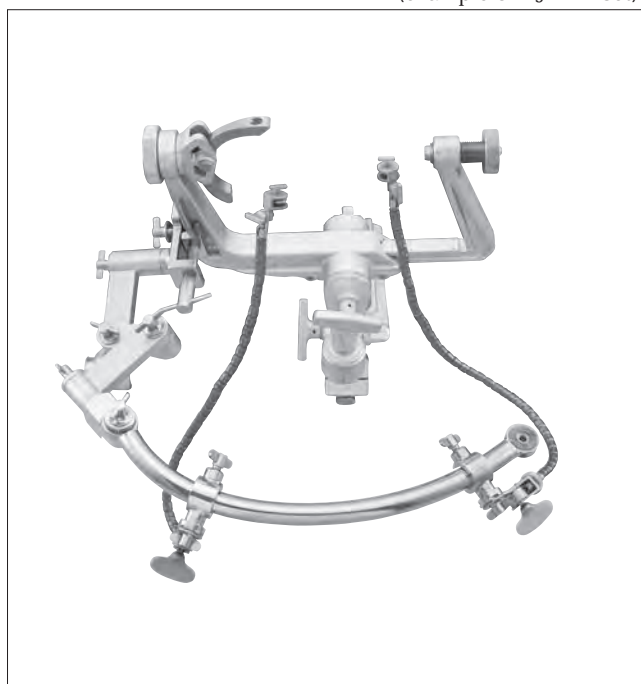
Joint



〈example of J Arm set〉



〈example of BJ Arm set〉



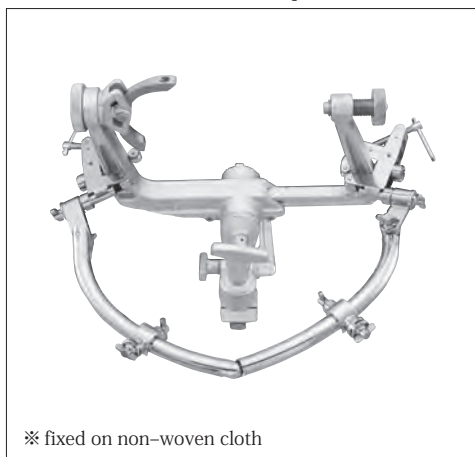
8995-00

## C-frame

( Design by Dr. Shiokawa )



〈example of C-frame set〉

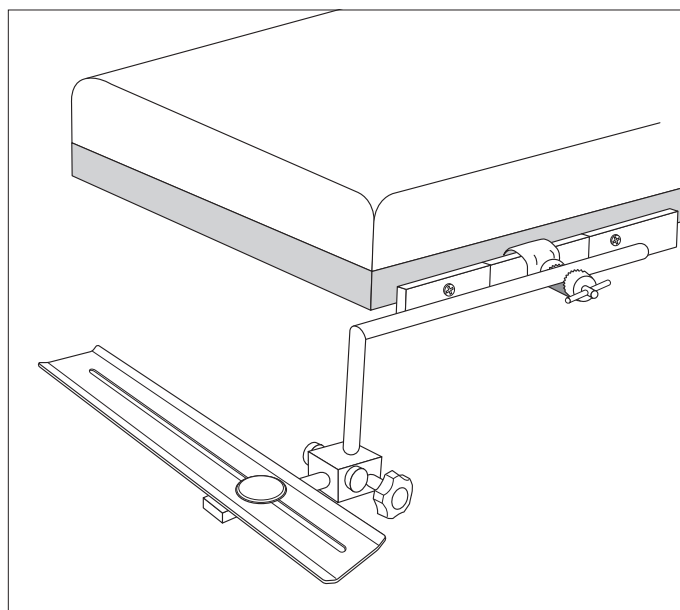


※ fixed on non-woven cloth

- can fix the snake holder in the most stable position
- frame is always placed lower than craniotomy site, so keeping a stable holding positions of both hands during the procedure

8621-01

## Arm Rest for lateral position



8991-01・02

## Titanium Snake Holder

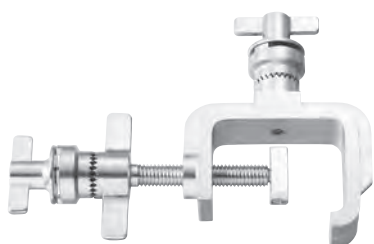


■ 8991-01 38cm

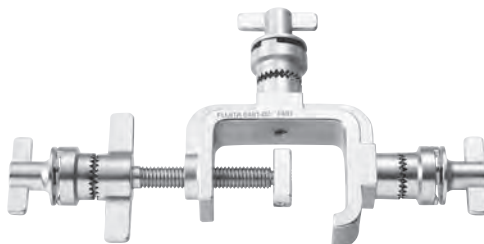


■ 8991-02 42cm

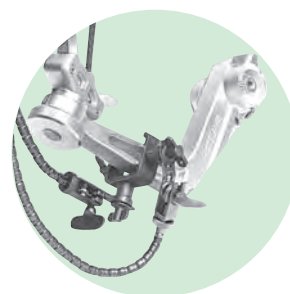
● attachment of snake holder



■ 8481-01 F-1



■ 8481-02 F-2

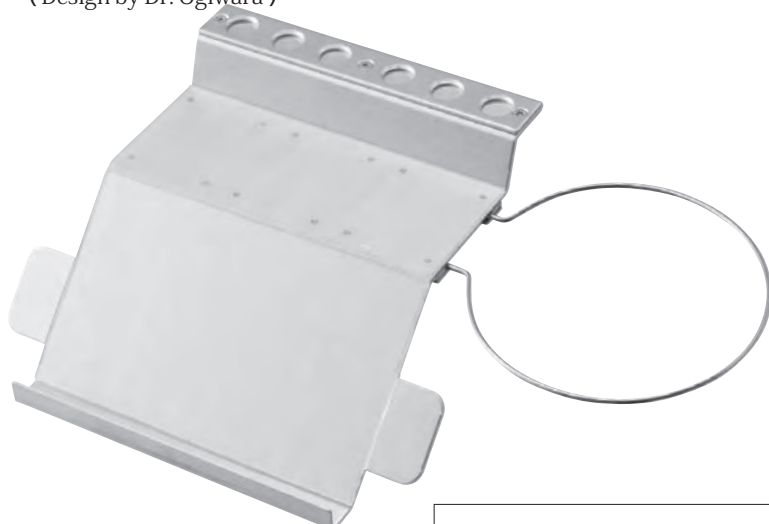


The arm of Mayfield Skull Clamp can attach to the sterile field directly.

8731-02

## Patty Tray No.K Series (with silicon rubber)

(Design by Dr. Ogiwara)



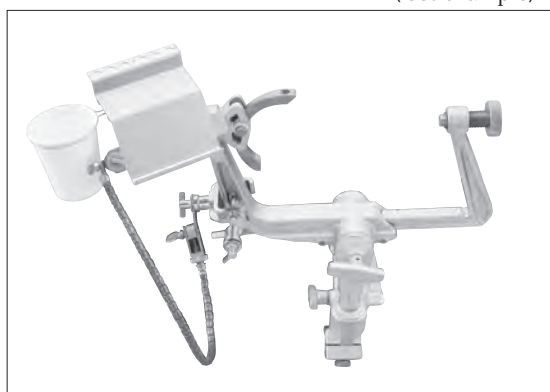
■ 8731-02



● Patty Tray with silicon rubber

■ 8731-01  
100mm × 150mm

〈 set example〉



# **INSTRUMENTATION FOR RHINOSEPTOPLASTIC TRANSSPHENOIDAL MICROSURGERY**

8501-01

## Lip Retractor



8501-02 • 03

## Long Flat Blade Septum Retractor



■ 8501-02 width 13mm

■ 8501-03 width 8.0mm for endonasal use (Small)

8072-01

## Periosteal Elevator



8076-01 • 02

## Double-ended Mucosa Elevator



〈slight curved〉

〈full curved〉

■ 8076-01 blunt Length 190mm



■ 8076-02 Sharp Length 210mm

8092-01 • 02  
Curved Chisel



- 8092-01 Lt-curved L 190mm • effective length 110mm • W 6.0mm
- 8092-02 Rt-curved L 190mm • effective length 110mm • W 6.0mm

8093-01  
Sphenoid Chisel



- 8093-01 L 190mm • effective length 110mm • W 4.0mm

8094-01  
U-Shaped Septum Knife



- 8094-01 Length 180mm

8091-01  
Sellar Chisel



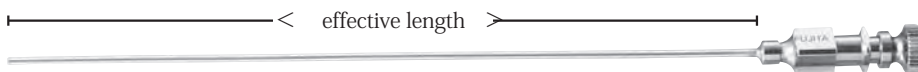
- 8091-01 L 210mm • effective length 125mm

8551-01  
Bayonet Knife Holder



- 8551-01 L 210mm • effective length 125mm

8443-01  
Transsphenoidal Irrigation Needle



- 8443-01 effective length 120mm



8010-60 8010-66L ~ 68L • 66LL ~ 68LL

## Interchangeable Combined Micro Sucker for Pituitary



■ 8010-66L30 height 5mm (30°)



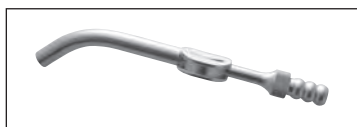
■ 8010-67L45 height 8mm (45°)



■ 8010-68L60 height 10mm (60°)



■ 8010-60 main body



outer/inner $\phi$ mm	effective length		height mm		
	L	LL	5mm	8mm	10mm
No.6 2.0 $\times$ 1.6	○	○	○	○	○
No.7 2.5 $\times$ 1.9	○	○	○	○	○
No.8 3.0 $\times$ 2.2	○	○	○	○	○

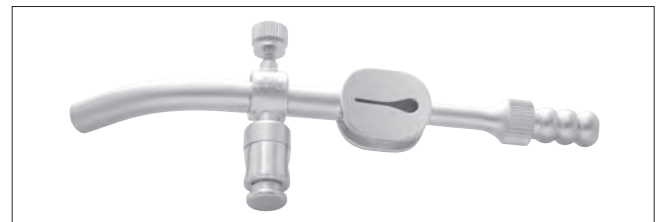
5mm (30°) • 8mm (45°) • 10mm (60°)

8008-10

## Interchangeable Irrigation Switch



■ 8008-10



(set example)

8010-70 • 71 8010-76L ~ 78L • 76LL ~ 78LL

## Interchangeable Irrigation Sucker for Pituitary



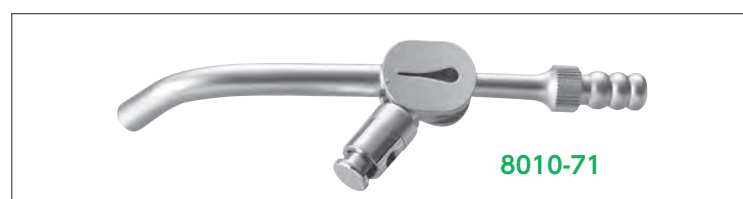
■ 8010-76L30 height 5mm (30°)



■ 8010-77L45 height 8mm (45°)



■ 8010-78L60 height 10mm (60°)



8010-71

outer/inner $\phi$ mm	effective length		Height mm		
	L	LL	5mm	8mm	10mm
No.6 2.0 $\times$ 1.6	○	○	○	○	○
No.7 2.5 $\times$ 1.9	○	○	○	○	○
No.8 3.0 $\times$ 2.2	○	○	○	○	○

5mm (30°) • 8mm (45°) • 10mm (60°)

■ 8010-70 main body horizontal (L-hand use)  
 ■ 8010-70R main body horizontal (R-hand use)

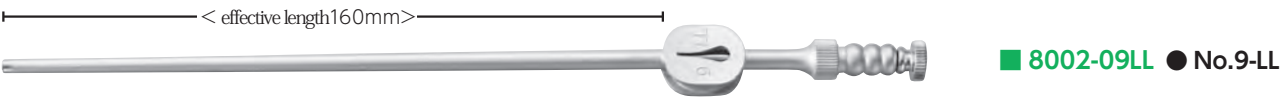
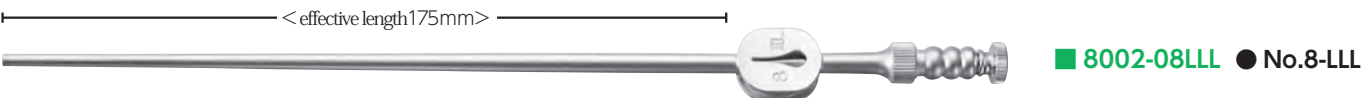
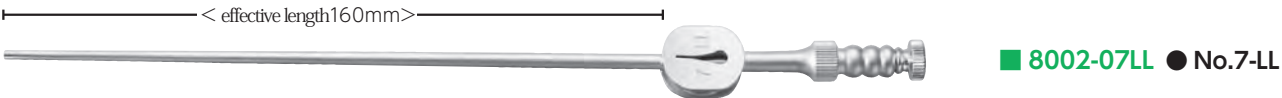
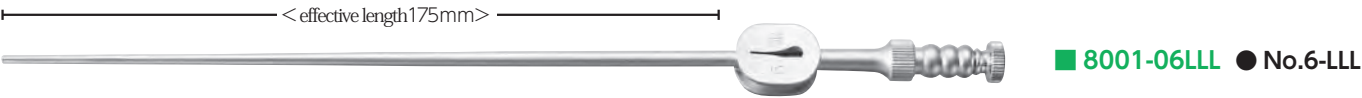
■ 8010-71 main body diagonal (L-hand use)  
 ■ 8010-71R main body diagonal (R-hand use)

8001-06 8002-07 ~ 09

Micro Sucker for Pituitary

(No.6 ~ No.9 LL/LLL)

effective length mm	diameter mm	No.6 outer/inner 2.0 × 1.6	No.7 φ 2.5 × 1.9	No.8 3.0 × 2.2	No.9 3.5 × 2.5
LL-160		○	○	○	○
LLL-175		○	○	○	○



8010-25 ~ 27 S/M/L/LL

Interchangeable Sucker nozzle



8010-60

Main body of Interchangeable Sucker



■ 8010-60



8010-65-40 • -60

Main body of Interchangeable Sucker  
(silver-made)



■ 8010-65-40 effective length 40mm

■ 8010-65-60 effective length 60mm

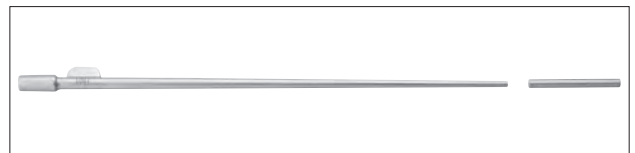
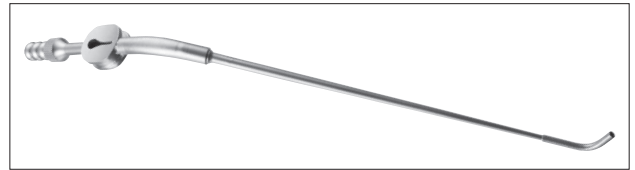
8010-013 • 016 • 022 • 027

## Tip of Flexible Nozzle

 ■ **8010-013** Int. Diameter 1.3mm L 30mm

 ■ **8010-016** Int. Diameter 1.6mm L 30mm

 ■ **8010-022** Int. Diameter 2.2mm L 30mm

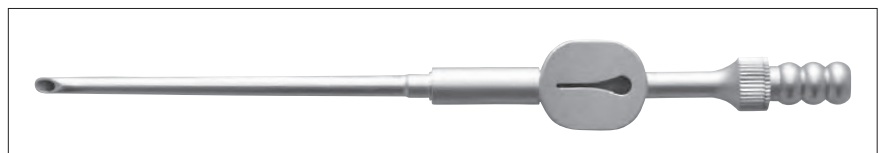
 ■ **8010-027** Int. Diameter 2.7mm L 50mm


◆ nozzle is malleable and can be easily installed to the tip of sucker

7010-06A ~ 08A

## Sucker Nozzle (for mucosal resection)

(Design by Dr. Mase)

■ **7010-06A** tip 2.0mm  $\phi$  • effective length 90mm■ **7010-07A** tip 2.5mm  $\phi$  • effective length 90mm■ **7010-08A** tip 3.0mm  $\phi$  • effective length 90mm■ **7010-06A-105** tip 2.0mm  $\phi$  • effective length 105mm■ **7010-07A-105** tip 2.5mm  $\phi$  • effective length 105mm■ **7010-08A-105** tip 3.0mm  $\phi$  • effective length 105mm

set example (7010-07A+7010-20)

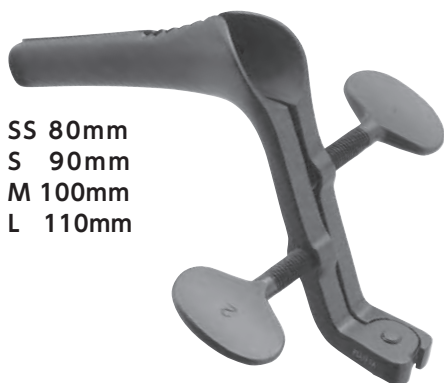
8010-20

## Main body of Interchangeable Sucker

■ **8010-20**

## 8511-00 ~ 03 Nasal Speculum

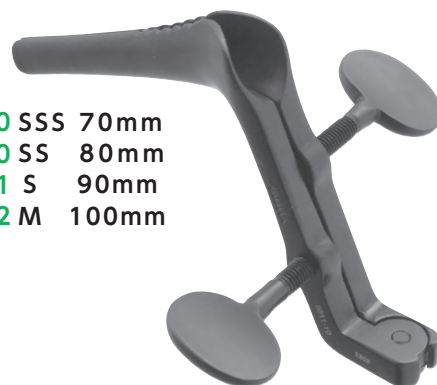
- 8511-00 SS 80mm
- 8511-01 S 90mm
- 8511-02 M 100mm
- 8511-03 L 110mm



## 8511-70 · 10 ~ 12 Bivalve Nasal Speculum for Endonasal Surgery

(Design by Dr. Kuboda )

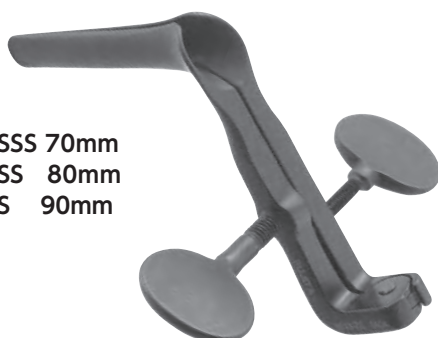
- 8511-70 SSS 70mm
- 8511-10 SS 80mm
- 8511-11 S 90mm
- 8511-12 M 100mm



## 8513-70 · 80 · 90 Nasal Speculum for Endonasal Endoscope

( Design by Dr. Nakao )

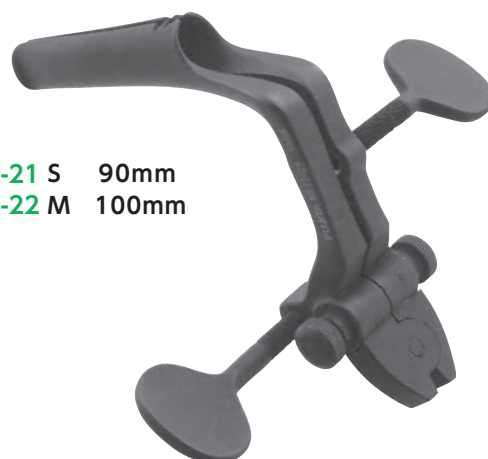
- 8513-70 SSS 70mm
- 8513-80 SS 80mm
- 8513-90 S 90mm



## 8511-21 · 22 Nasal Speculum for Endoscope

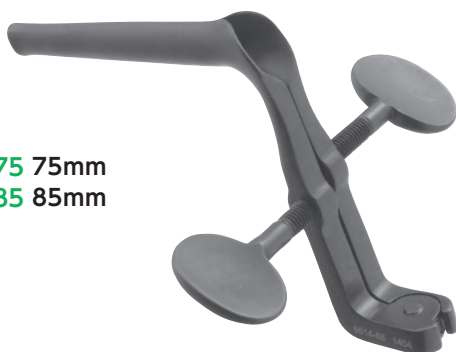
( Design by Dr.Kitano )

- 8511-21 S 90mm
- 8511-22 M 100mm



## 8514-75 · 85 Nasal Speculum for Endonasal

- 8514-75 75mm
- 8514-85 85mm



## 8513-70N · 80N Nasal Speculum for Endonasal Endscope

( Design by Dr. Tahara and Dr. Ishii )

- 8513-70N SSS 70mm
- 8513-80N SS 80mm



8511-22SIN

## Nasal Speculum for Endonasal Endscope

(Design by Dr. Sin)



■ 8511-22SIN 100mm



8521-11

## Endonasal Speculum Spreaders

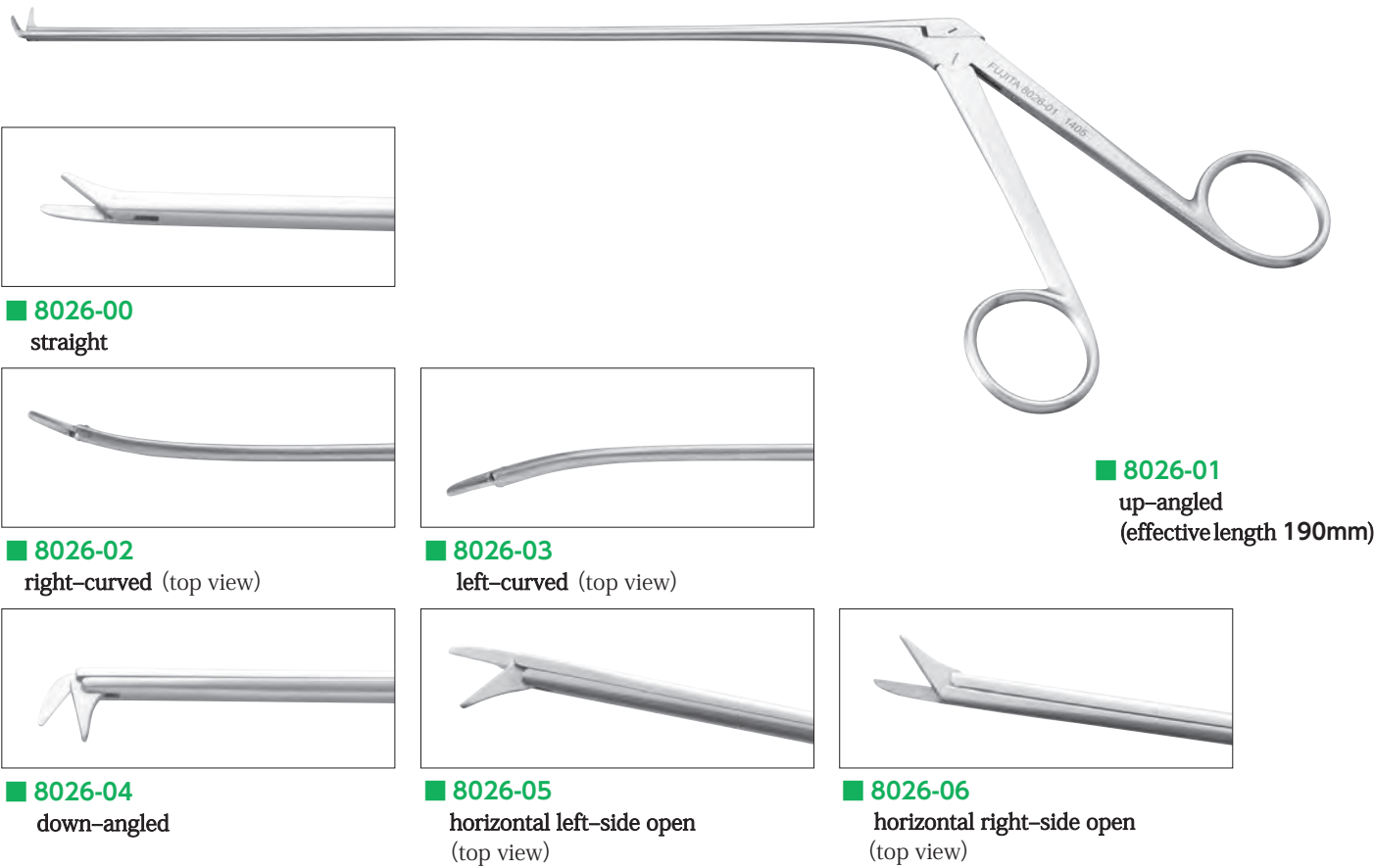


■ 8521-11

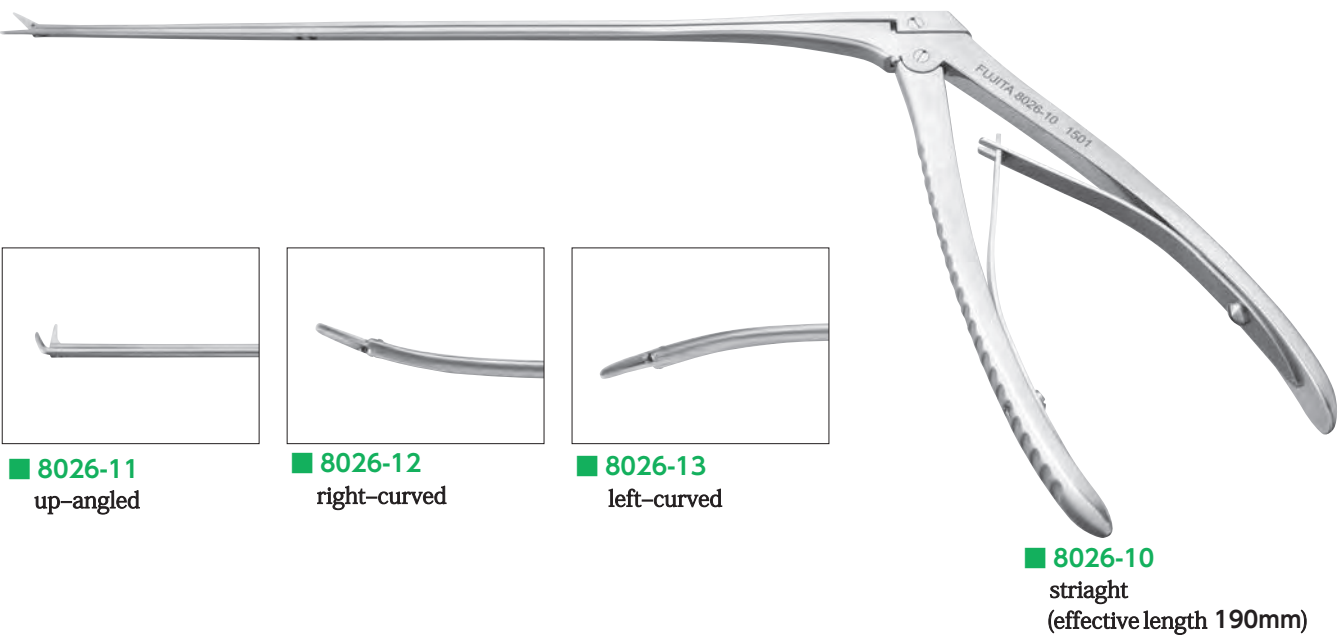


〈example of use〉

8026-00 ~ 06  
Pituitary Microscissors



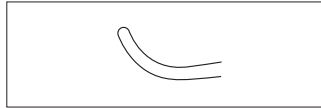
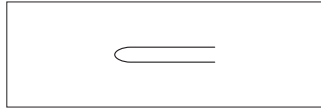
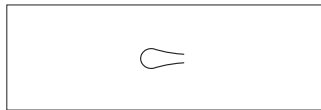
8026-10 ~ 13  
Pituitary Microscissors





8015-19 ~ 21

## Micro-Dissector for Pituitary



■ 8015-19 L 235mm • W 2.0mm • effective length 135mm



■ 8015-20 L 235mm • W 1.5mm • effective length 135mm



■ 8015-21 vertical L 235mm • effective length 135mm

8019-01 • 02 • 03 • 00S

## Malleable Micro Probe (with coating)



■ 8019-00S thin L 220mm • effective length 95mm

■ 8019-01 L 260mm • effective length 130mm

■ 8019-02 upward L 260mm • effective length 130mm

■ 8019-03 thin L 260mm • effective length 130mm

8541-01

## Blunt Hook



■ 8541-01 L 215mm • effective length 135mm

8036-21 • 22 • 32

## Cup-Forceps for Pituitary

effective  
length※ shape are planned to change while stock  
run out, please refer to cup forceps on P31■ 8036-21 L 235mm • 1.0mm  $\phi$  • effective length 135mm■ 8036-22 L 235mm • 2.0mm  $\phi$  • effective length 135mm■ 8036-32 L 235mm • 3.0mm  $\phi$  • effective length 135mm

8037-21 • 22 • 215

## Ring-Forceps for Pituitary

■ 8037-21 L 220mm • 1.0mm  $\phi$  • effective length 130mm■ 8037-215 L 220mm • 1.5mm  $\phi$  • effective length 130mm■ 8037-22 L 220mm • 2.0mm  $\phi$  • effective length 130mm

8014-01 ~ 03 • 01D ~ 03D

## Malleable Ringcurette & Dull Ringcurette


■ **8014-01** L 215mm • 4.0mm  $\phi$  • effective length 135mm

■ **8014-02** L 215mm • 3.0mm  $\phi$  • effective length 135mm

■ **8014-03** L 215mm • 2.0mm  $\phi$  • effective length 135mm

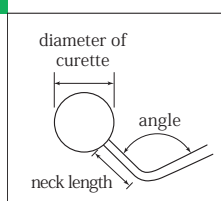
■ **8014-01D** dull length 215mm • 4.0mm  $\phi$  • effective length 135mm

■ **8014-02D** dull length 215mm • 3.0mm  $\phi$  • effective length 135mm

■ **8014-03D** dull length 215mm • 2.0mm  $\phi$  • effective length 135mm

8012-00 ~ 10

## Flat-Blade Micro-Ringcurette for Pituitary


■ **8012-00** angle 45° • curette 2.0mm  $\phi$  • neck length 3.0mm • L 215mm • effective length 135mm

■ **8012-01** angle 30° • curette 2.5mm  $\phi$  • neck length 3.0mm • L 215mm • effective length 135mm

■ **8012-02** angle 45° • curette 2.5mm  $\phi$  • neck length 3.0mm • L 215mm • effective length 135mm

■ **8012-03** angle 30° • curette 3.0mm  $\phi$  • neck length 4.0mm • L 215mm • effective length 135mm

■ **8012-04** angle 45° • curette 3.0mm  $\phi$  • neck length 4.0mm • L 215mm • effective length 135mm

■ **8012-04-6** angle 45° • curette 3.0mm  $\phi$  • neck length 6.0mm • L 215mm • effective length 135mm

■ **8012-05** angle 45° • curette 4.0mm  $\phi$  • neck length 5.0mm • L 215mm • effective length 135mm

■ **8012-06** angle 45° • curette 5.0mm  $\phi$  • neck length 5.0mm • L 215mm • effective length 135mm

■ **8012-07** angle 45° • curette 6.0mm  $\phi$  • neck length 5.0mm • L 215mm • effective length 135mm

■ **8012-08** angle 45° • curette 7.0mm  $\phi$  • neck length 5.0mm • L 215mm • effective length 135mm

■ **8012-09** angle 45° vertical R blade • curette 3.0mm  $\phi$  • neck length 3.0mm • L 215mm • effective length 135mm

■ **8012-10** angle 45° vertical L blade • curette 3.0mm  $\phi$  • neck length 3.0mm • L 215mm • effective length 135mm

8014-32 • 33 • 34

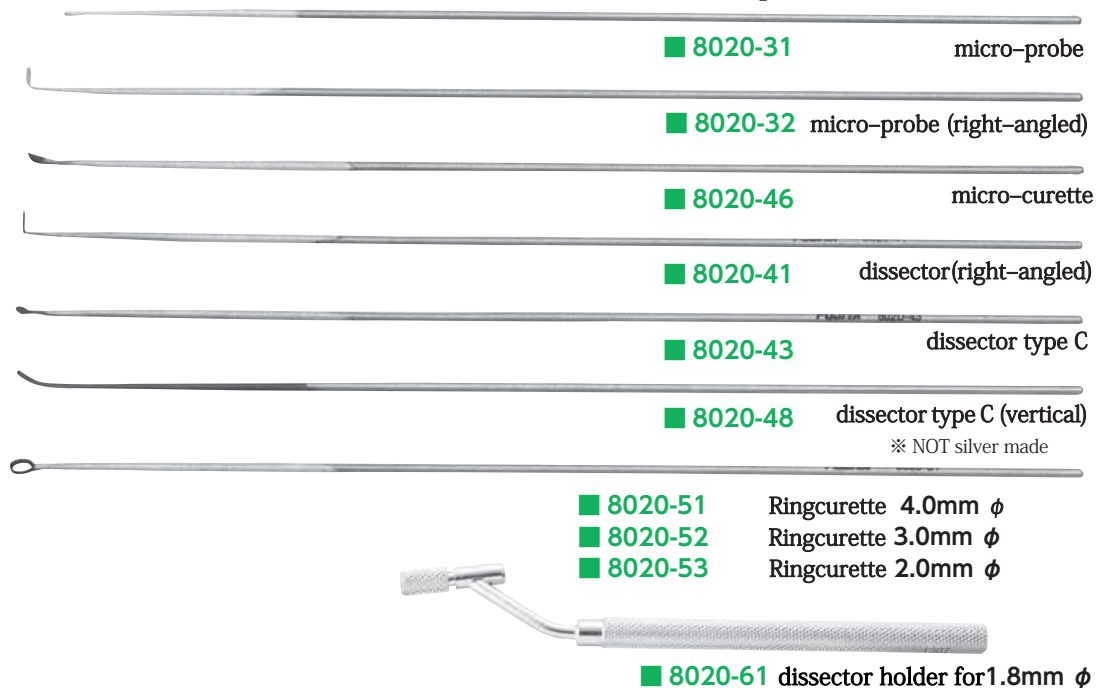
## Malleable Ringcurette (straight)



- 8014-34 length 230mm • 4.0mm  $\phi$
- 8014-33 length 230mm • 3.0mm  $\phi$
- 8014-32 length 230mm • 2.0mm  $\phi$

8020-31 • 32 • 41 • 43 • 46 • 48 • 51 • 52 • 53 • 61

## Probe, Dissector, Ringcurette (Silver made)

(Length 180mm • handle 1.8mm  $\phi$ )

- 8020-31 micro-probe
- 8020-32 micro-probe (right-angled)
- 8020-46 micro-curette
- 8020-41 dissector (right-angled)
- 8020-43 dissector type C
- 8020-48 dissector type C (vertical)  
※ NOT silver made
- 8020-51 Ringcurette 4.0mm  $\phi$
- 8020-52 Ringcurette 3.0mm  $\phi$
- 8020-53 Ringcurette 2.0mm  $\phi$
- 8020-61 dissector holder for 1.8mm  $\phi$

8020-70 ~ 73 • 79 • 81 • 81D • 82 • 82D • 83

## Interchangeable Combined Micro-Dissector, Hook, Knife, Ringcurette

(Length 185mm • handle 3.5mm  $\phi$ )

- 8020-81 Ringcurette 4.0mm  $\phi$  (silver made)
- 8020-82 Ringcurette 3.0mm  $\phi$  (silver made)
- 8020-83 Ringcurette 2.0mm  $\phi$  (silver made)
- 8020-81D Ringcurette 4.0mm  $\phi$  dull cup (silver made)
- 8020-82D Ringcurette 3.0mm  $\phi$  dull cup (silver made)
- 8020-70 dissector holder for 3.5mm  $\phi$
- 8020-70-40 dissector holder for 4.0mm  $\phi$

8211-01 ~ 03 • 10 • 10D • 01D

## Sphenoid Kerrison Punch



(1.0mm)

■ **8211-10** oblique upward 1.0mm • effective length 170mm

■ **8211-10D** oblique downward 1.0mm • effective length 170mm



(3.0mm)

■ **8211-01** oblique upward 3.0mm • effective length 170mm

■ **8211-01D** downward 3.0mm • effective length 170mm



(4.0mm)

■ **8211-02** downward 4.0mm • effective length 170mm



(5.0mm)

■ **8211-03** upward 5.0mm • effective length 170mm

8211-52-60 • 90

## Sphenoid Kerrison Punch (rotational type)



- 8211-52-60 60° W 2.0mm • effective length 170mm
- 8211-52-90 90° W 2.0mm • effective length 170mm

8212-01 • 02

## Micro-Kerrison



- 8212-01 up-angled W 2.0mm • effective length 160mm
- 8212-02 down-angled W 2.0mm • effective length 160mm

8047-02 • 03 • 04 8041-23

## Cup-Forceps

■ 8041-23 tip 2.0mm  $\phi$  • effective length 180mm

■ 8047-02 tip 3.0mm  $\phi$  • effective length 180mm

■ 8047-03 curved tip 2.5mm  $\phi$  • effective length 180mm

■ 8047-04 Full curved tip 2.5mm  $\phi$  •

180mm

8048-01 ~ 03

## Alligator Forceps (with notch)

■ 8048-01 tip width 1.2mm • effective length 170mm

■ 8048-02 tip width 2.5mm • effective length 170mm

■ 8048-03 tip width 4.0mm •  
effective length 170mm



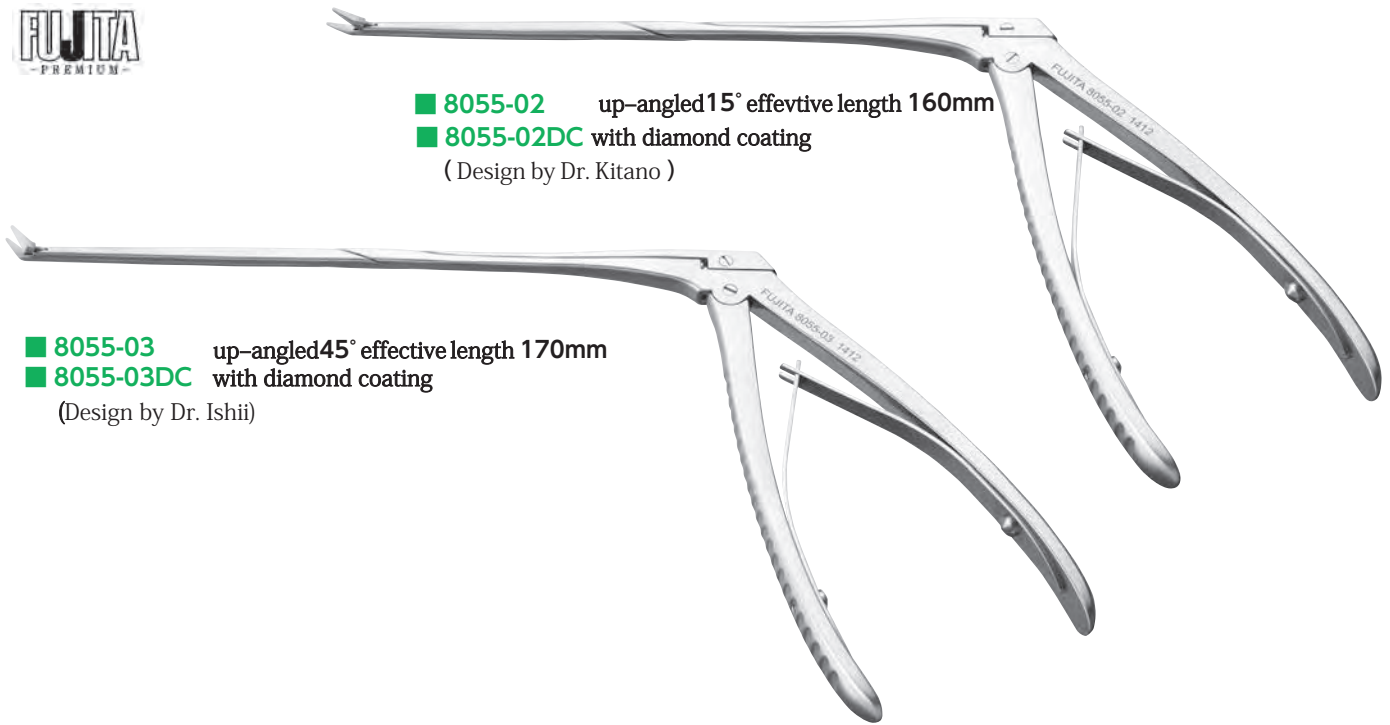
8055-02 • 03 (DC)

## Micro Needle Holder Dura



- 8055-02 up-angled 15° effective length 160mm
- 8055-02DC with diamond coating  
(Design by Dr. Kitano)

- 8055-03 up-angled 45° effective length 170mm
- 8055-03DC with diamond coating  
(Design by Dr. Ishii)



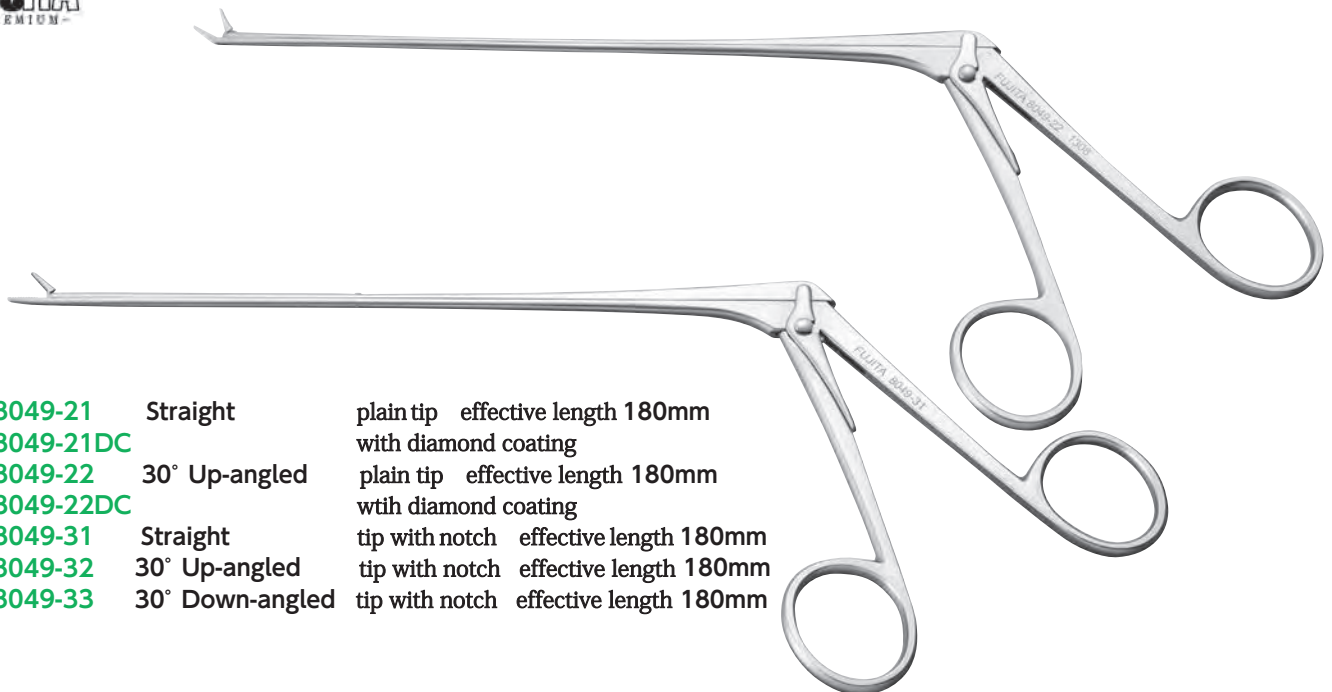
8049-21 • 22 • 21DC • 22DC • 31 • 32 • 33

## Alligator Forceps for Pituitary



(Design by Dr. Tahara)

- |             |                 |                      |                        |
|-------------|-----------------|----------------------|------------------------|
| ■ 8049-21   | Straight        | plain tip            | effective length 180mm |
| ■ 8049-21DC |                 | with diamond coating |                        |
| ■ 8049-22   | 30° Up-angled   | plain tip            | effective length 180mm |
| ■ 8049-22DC |                 | with diamond coating |                        |
| ■ 8049-31   | Straight        | tip with notch       | effective length 180mm |
| ■ 8049-32   | 30° Up-angled   | tip with notch       | effective length 180mm |
| ■ 8049-33   | 30° Down-angled | tip with notch       | effective length 180mm |



8541-51

## Knot Pusher



L 235mm • effective length 135mm

8031-04 • 05 • 14 • 15

## Bipolar Forceps



- 8031-14R L 214mm • effective length 120mm • tip 0.7mm pin
- 8031-04R L 214mm • effective length 120mm • tip 0.7mm plate
- 8031-15R L 234mm • effective length 140mm • tip 0.7mm pin
- 8031-05R L 234mm • effective length 140mm • tip 0.7mm plate



- 8031-05R-U15 up-angled 15° L 234mm • effective length 140mm • tip 0.7mm plate

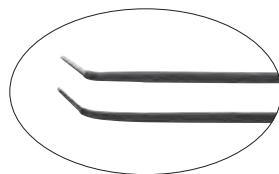
- 8031-15R-U15 up-angled 15° pin ※ we have both U30 (up-angled 30°) • U45 (up-angled 45°)

8031-85R • 85R-U • 85R-R • 85R-L

## Bipolar Forceps (thin type)



※ only have pin type



right-curved  
(top view)

- 8031-85R-IR80 L 234mm • effective length 140mm • tip 0.7mm
- 8031-85R without convex knob
- 8031-85R-U30-IR80 up-angled 30°
- 8031-85R-U30 up-angled 30° w/o knob
- ※ we have both U15 (up-angled 15°) and U45 (up-angled 45°)
- 8031-85R-R-IR80 R-curved
- 8031-85R-R R-curved w/o knob
- 8031-85R-L-IR80 L-curved
- 8031-85R-L L-curved w/o knob

8031-25R • 35R

## Cross Bipolar Forceps



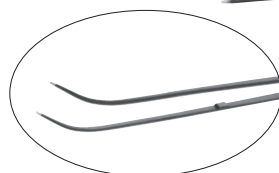
- 8031-35R L 234mm • effective length 140mm • tip 0.7mm pin
- 8031-25R L 234mm • effective length 140mm • tip 0.7mm plate

8031-105R-IR80

## Malleable Bipolar Forceps



※ pin-type only

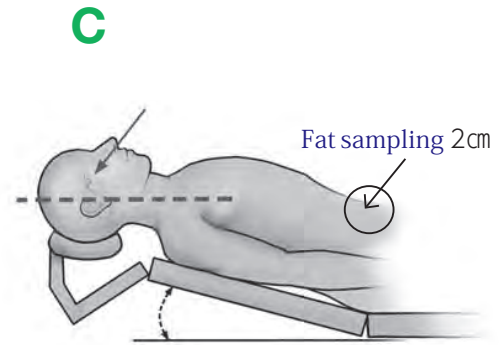
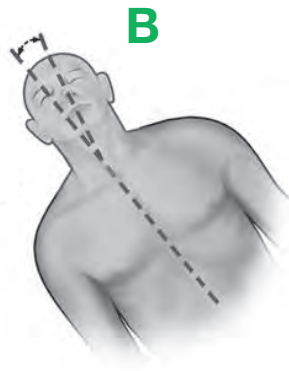
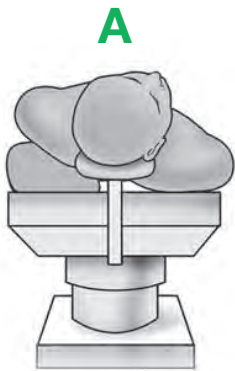


- 8031-105R-IR80 length 234mm • effective length 140mm • tip 0.7mm

# Endonasal Paraseptal Transsphenoidal Approach for Pituitary Adenoma

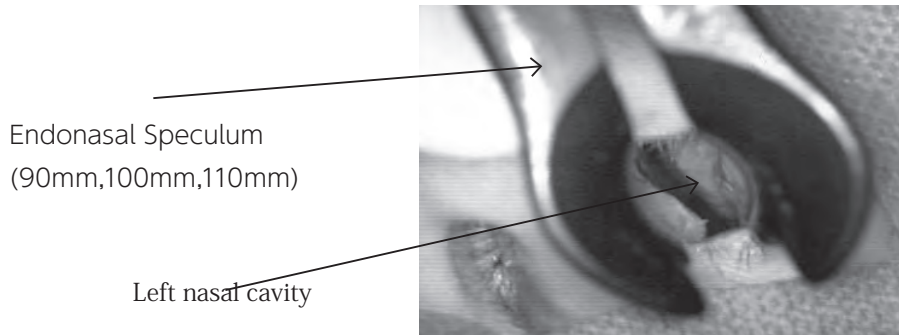


## 1. Body Position



Put a cushion under left shoulder and fix the head on a horseshoe supporter in supine position (A) Sit up the upper body for 20 degree and tilt the head 15 degree in order to face with surgeon. (B)  
In case if CSF leaks out during operation, fat sampling over lower abdomen is done for preparation. (C) .

## 2. Insertion of Endonasal Speculum



Normally, inferior and middle turbinates can be seen under microscopy by inserting endonasal speculum to left nasal cavity. Superior turbinate and orifice can be seen when compressing middle turbinate outward gently.

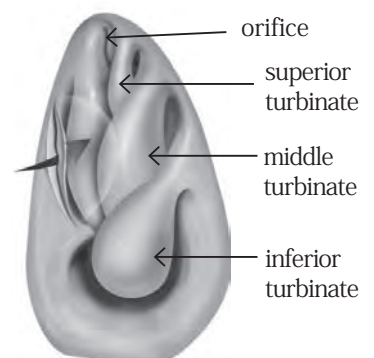
## 3. Production of Mucosal pocket



Insulated Malleable Micro Probe



Curved Chisel



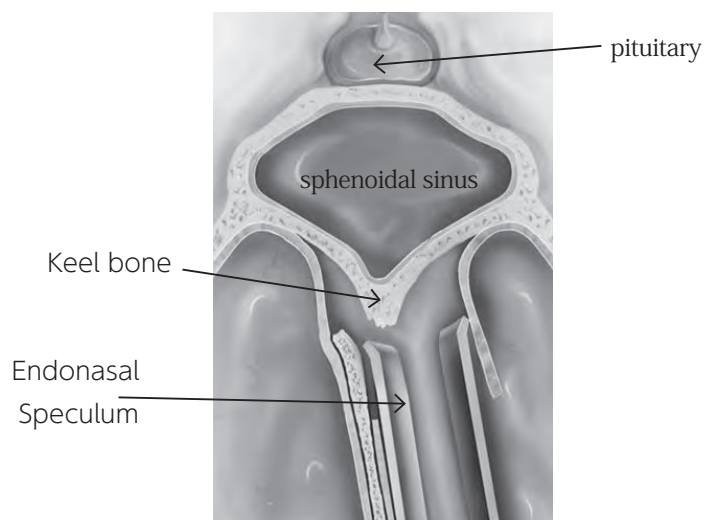
By using micro probe and curved chisel, paraseptal slit mucosal pocket in middle turbinate can be made.

## 4. Insert nasal speculum into Mucosal pocket



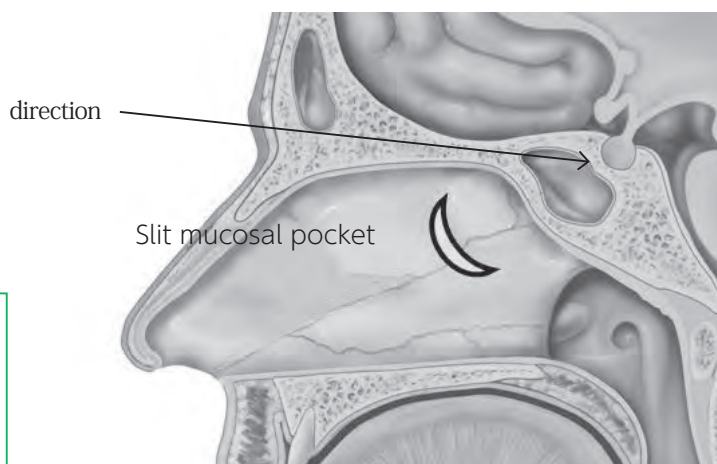
Sphenoid Chisel

By using the sphenoid chisel as a guidance, insert the nasal speculum and break the anterior spine, in order to reach the sphenoidal sinus.



## 5. Opening of sphenoidal sinus and reach the sella floor 1

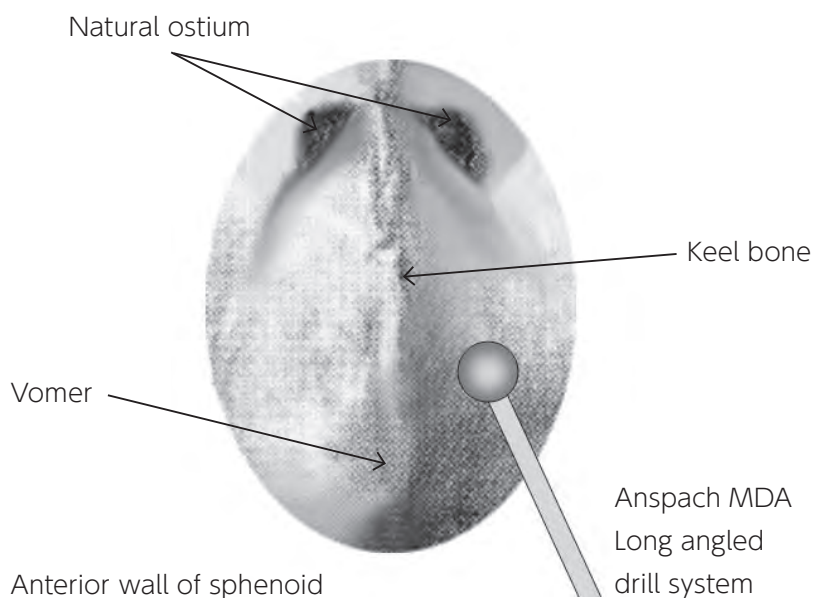
widely open the sphenoidal sinus by drill, and let the nasal speculum to reach the sella floor. Using the drill and the Sphenoid Kerrison Punch to make the dura visible



## 6. Opening of sphenoidal sinus and reach the sella floor 2

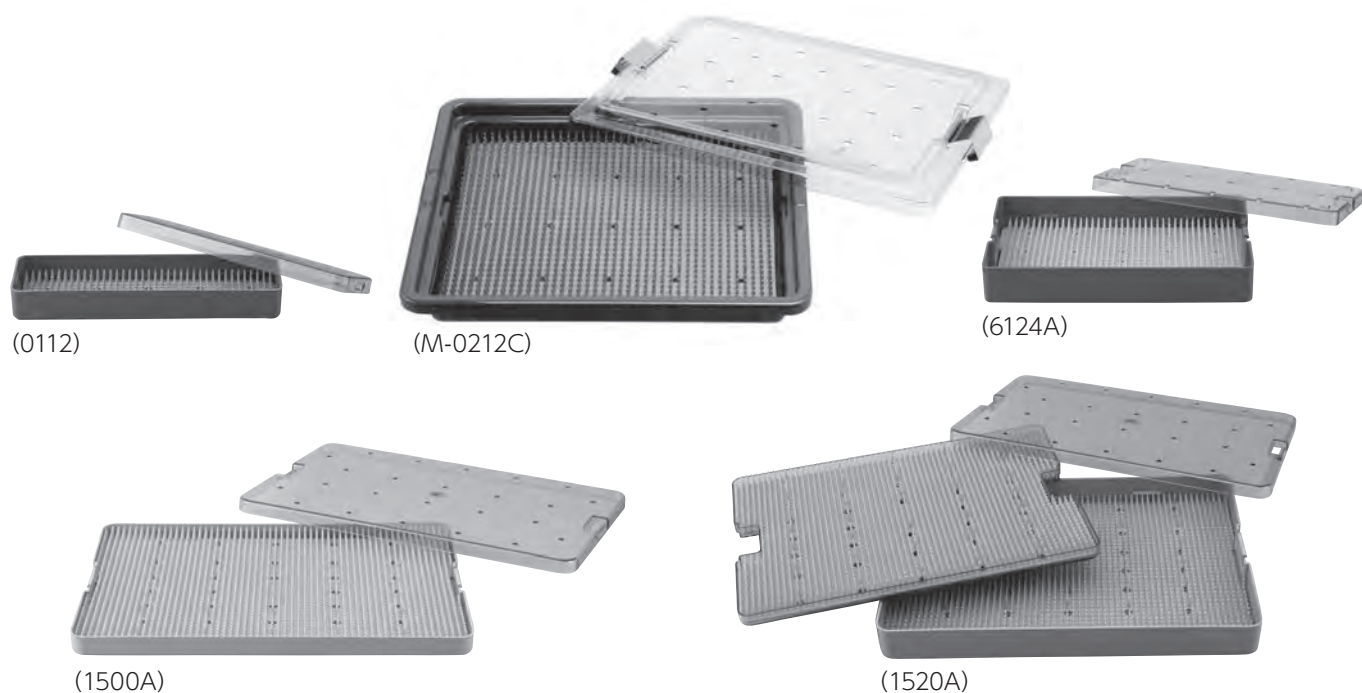


Sphenoid Kerrison Punch





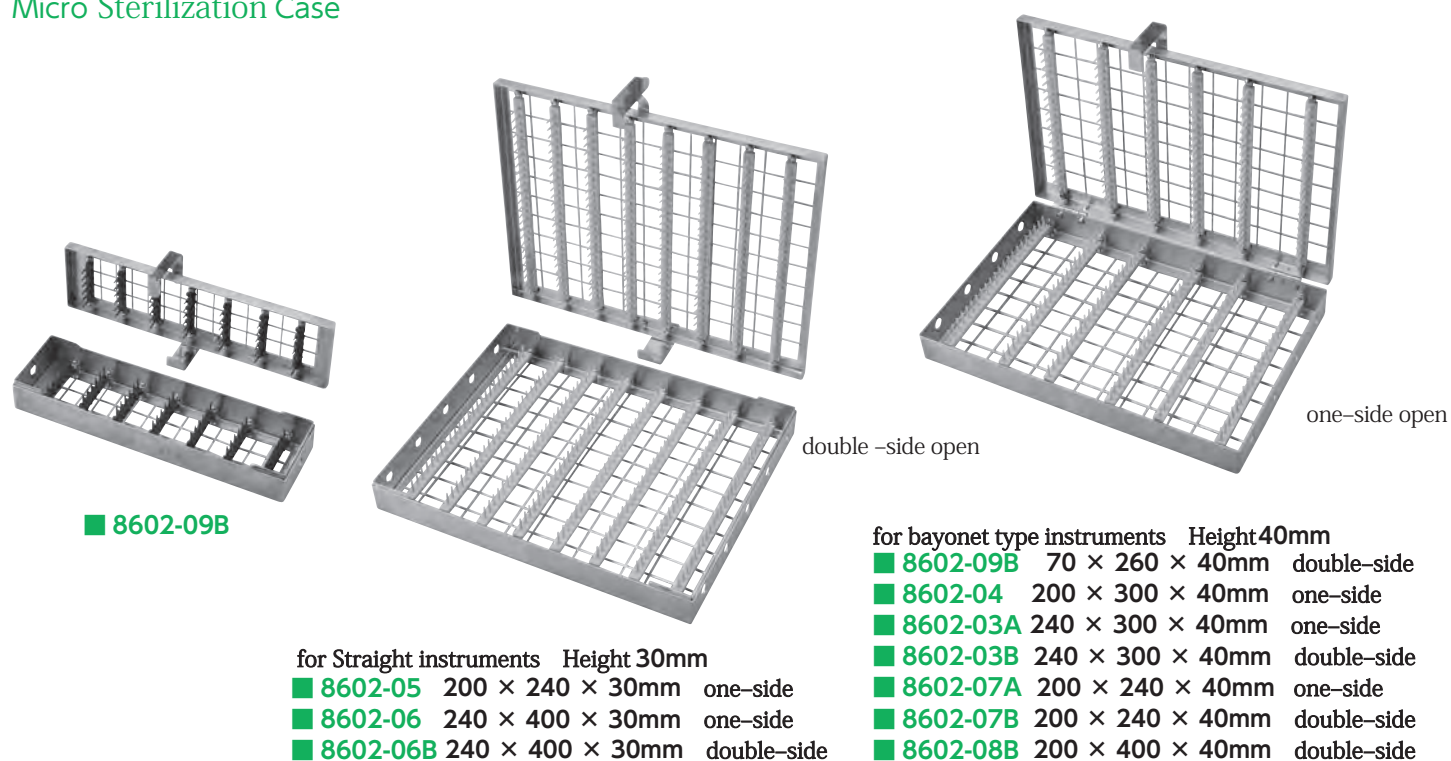
## Micro Case (Plastic)



■ 0112	249mm × 70mm × 30mm		■ 1500A	381mm × 254mm × 19mm	
■ M-0212C	245mm × 210mm × 38mm		■ 1520A	381mm × 254mm × 38mm	(with middle tray)
■ 6100A	254mm × 152mm × 19mm		■ 2024	381mm × 254mm × 38mm	(with half tray)
■ 6120A	254mm × 152mm × 38mm	(with middle tray)	■ 1522A	381mm × 254mm × 38mm	
■ 6124A	254mm × 152mm × 38mm				

## 8602-03A • 03B • 04 • 05 • 06 • 06B • 07A • 07B • 08B • 09B

### Micro Sterilization Case



for Straight instruments	Height 30mm	
■ 8602-05	200 × 240 × 30mm	one-side
■ 8602-06	240 × 400 × 30mm	one-side
■ 8602-06B	240 × 400 × 30mm	double-side

for bayonet type instruments	Height 40mm	
■ 8602-09B	70 × 260 × 40mm	double-side
■ 8602-04	200 × 300 × 40mm	one-side
■ 8602-03A	240 × 300 × 40mm	one-side
■ 8602-03B	240 × 300 × 40mm	double-side
■ 8602-07A	200 × 240 × 40mm	one-side
■ 8602-07B	200 × 240 × 40mm	double-side
■ 8602-08B	200 × 400 × 40mm	double-side

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8004-01~10	13B1X10237SU0002	2
8005-01~10	13B1X10237SU0002	2
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