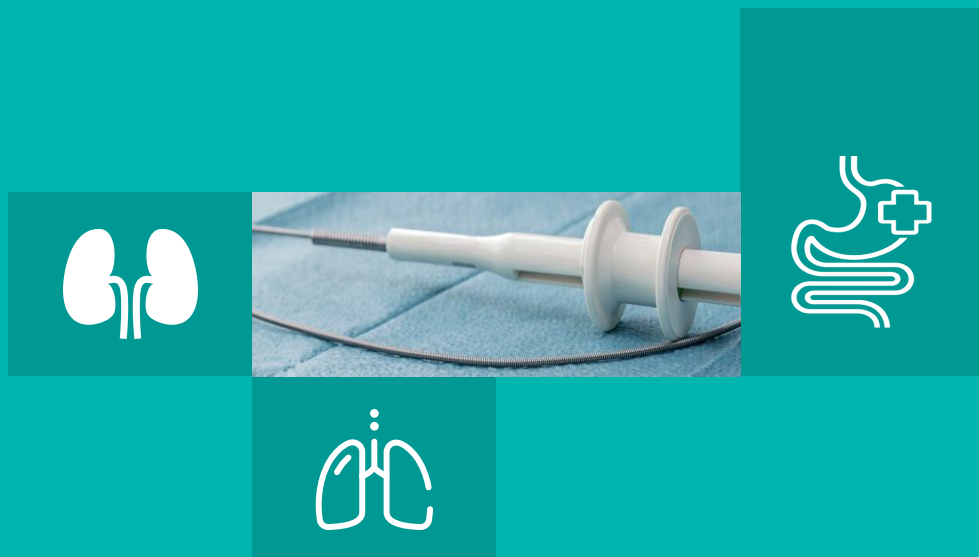




Alton (Shanghai)
Medical Instruments Co.,Ltd



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ENDOSCOPIC ACCESSORIES

ALTON PRODUCTS MANUAL

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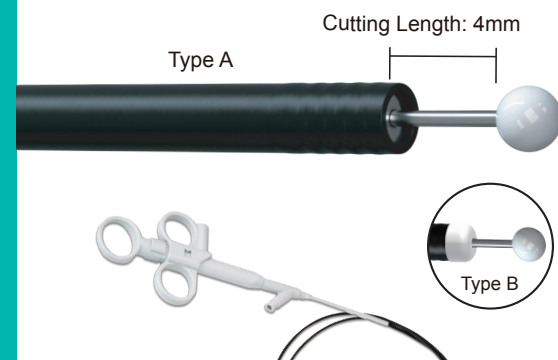
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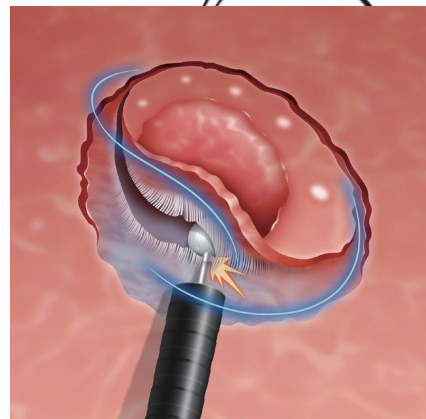
Disposable ESD Instruments



Disposable Ball Type (CT Knife)



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1812EB-3(A/B)	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1815EB-3(A/B)	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D2418EB-3(A/B)	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EB-3(A/B)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



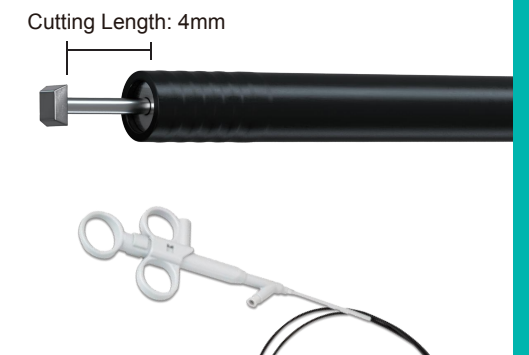
- 1 Tip in
- 2 Cutting, Dissection (tip out)
- 3 Spray (tip out)

Ceramic tip, insulation, irrigation and cutting.

Disposable Cylindrical Type (Square Knife)

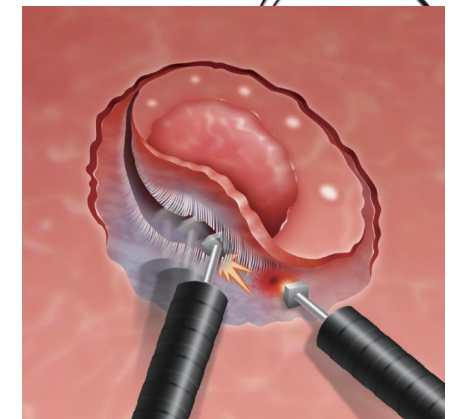


Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D2418EN-2	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EN-2	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



- 1 Marking, Coagulation (tip in)
- 2 Cutting, Dissection (tip out)
- 3 Spray (tip out)

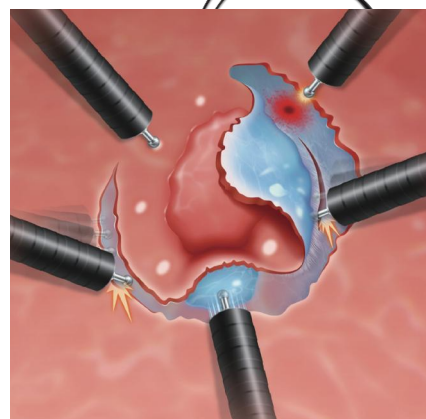
Retractable square knife can smartly cut in all directions with marking and irrigation functions.



Disposable Ball Type (Ball Type)



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1812EB(A/B)	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1815EB(A/B)	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D2418EB(A/B)	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EB(A/B)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



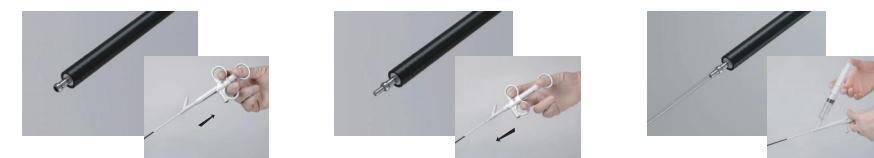
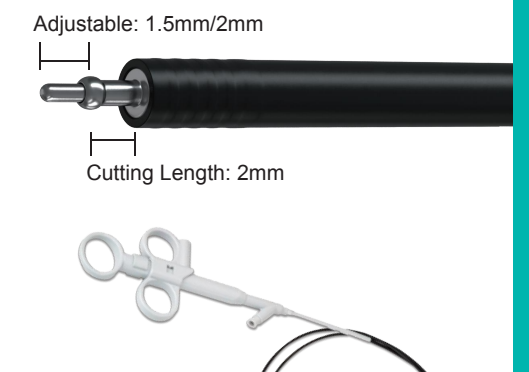
- 1 Marking, Coagulation (tip in)
- 2 Cutting, Dissection (tip out)
- 3 Spray (tip out)

The ball tip can mark, cut and stop bleeding with irrigation function.

Disposable Cylindrical Type (Tunnel Knife)

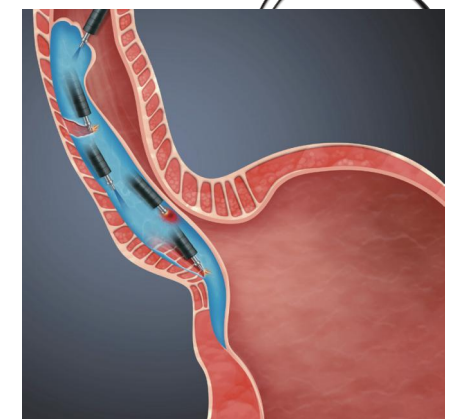


Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D2418EN	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EN	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

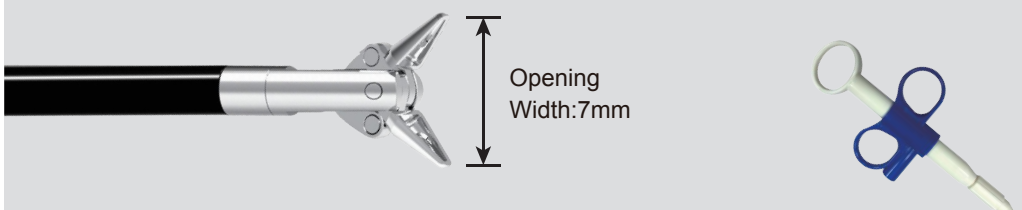


- 1 Marking, Coagulation (tip in)
- 2 Cutting, Dissection (tip out)
- 3 Inject (tip out)

The retractable needle tip can mark and cut with irrigation function.



Disposable Hemo Forceps (Rotatable) (Type A)

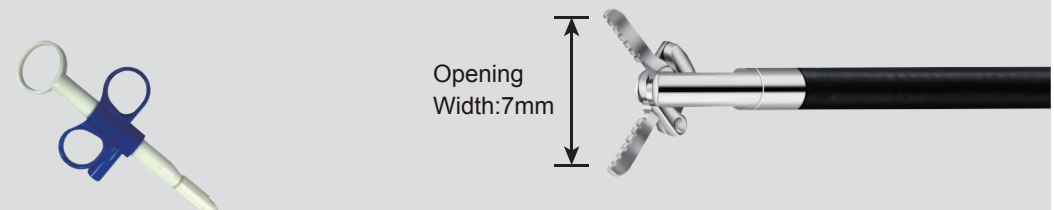


Opening Width:7mm

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D2418EHR-A	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EHR-A	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Mark, cut and stop bleeding when the forceps open and close. Slow turn facilitates operation.

Disposable Scissor Forceps (Rotatable)

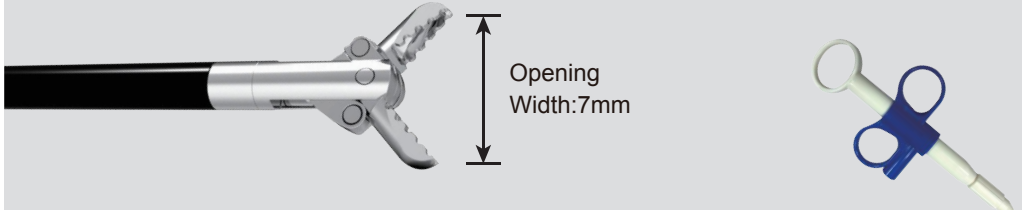


Opening Width:7mm

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D2418ESR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423ESR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Fleetly cut in the adhesions. Slow turn facilitates quick reach.

Disposable Hemo Forceps (Rotatable) (Type B)

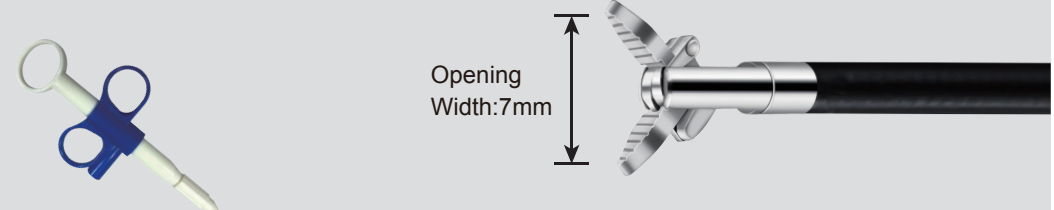


Opening Width:7mm

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D2418EHR-B	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EHR-B	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Mark, cut and stop bleeding when the forceps open and close. Slow turn facilitates operation.

Disposable Dissection Forceps (Rotatable)

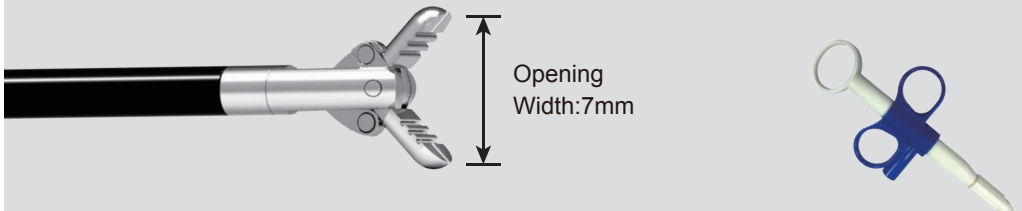


Opening Width:7mm

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D2418EFR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EFR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Fleetly cut in the adhesions. Slow turn facilitates quick reach.

Disposable Hemo Forceps (Rotatable) (Type C)

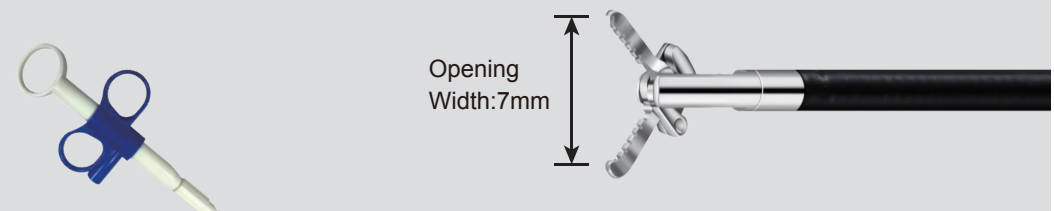


Opening Width:7mm

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D2418EHR-C	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423EHR-C	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Mark, cut and stop bleeding when the forceps open and close. Slow turn facilitates operation.

Disposable Hook Forceps (Rotatable)



Opening Width:7mm

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D2418ETR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423ETR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Fleetly cut in the adhesions. Slow turn facilitates quick reach. The hook tip facilitates the lift of tissue.

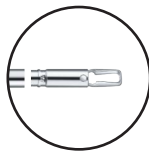
Disposable HemoClip



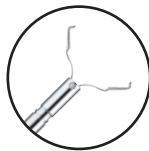
Disposable HemoClip



Rotate 360° in different directions.



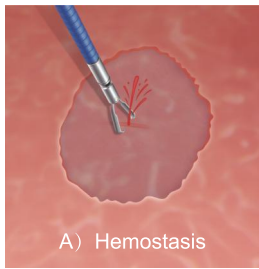
Short tail
Easy to release
More safety



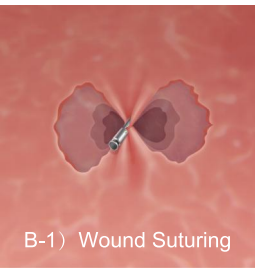
Large opening design,
Meet clinical treatment needs



Opening Width:
9mm / 11mm
14mm / 17mm



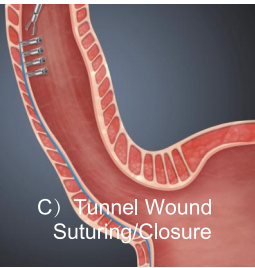
A) Hemostasis



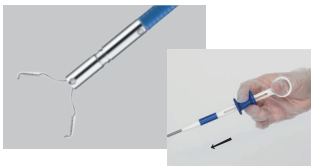
B-1) Wound Suturing



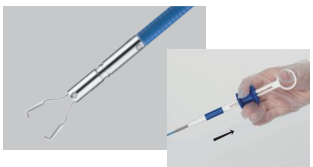
B-2) Wound Suturing



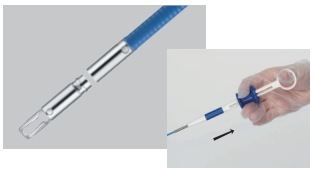
C) Tunnel Wound Suturing/Closure



After the clip has exited the endoscope advance the targeted area and open the clip gradually by pulling the handle.



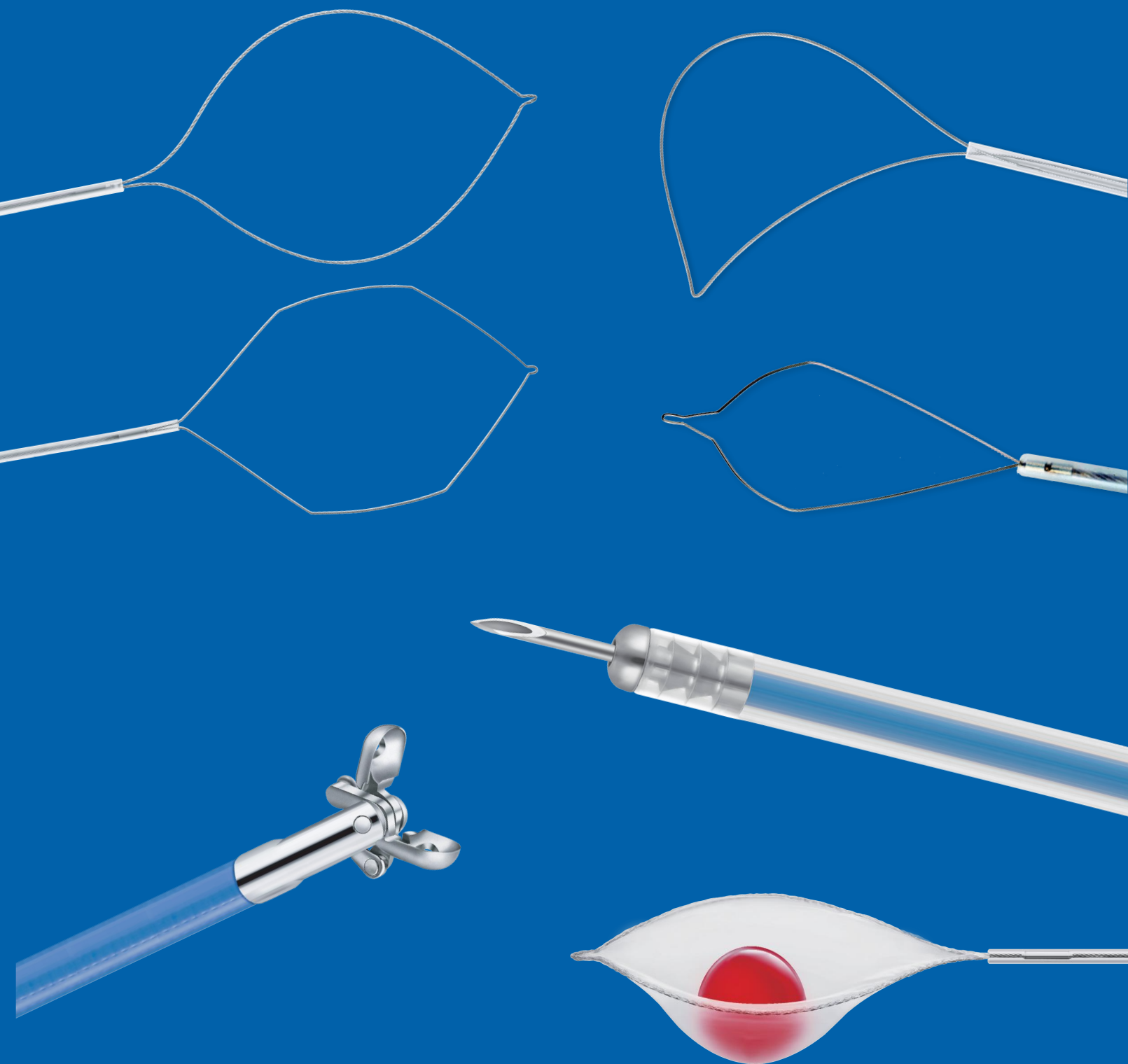
Once in proper position gradually close the clip by pushing the handle until feeling a tactile resistance.



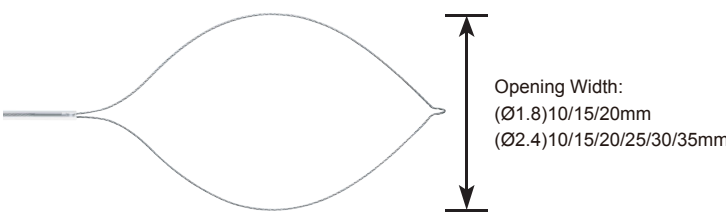
Release the clip by pushing harder on the handle.

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Opening Width	Scope Of Use	Handle
AF-D2418JZR-9	Ø2.4x1800mm	≥ Ø2.8mm	9mm	Gastroscopy	
AF-D2423JZR-9	Ø2.4x2300mm	≥ Ø2.8mm	9mm	Colonoscopy	
AF-D2418JZR-11	Ø2.4x1800mm	≥ Ø2.8mm	11mm	Gastroscopy	
AF-D2423JZR-11	Ø2.4x2300mm	≥ Ø2.8mm	11mm	Colonoscopy	
AF-D2418JZR-14	Ø2.4x1800mm	≥ Ø2.8mm	14mm	Gastroscopy	
AF-D2423JZR-14	Ø2.4x2300mm	≥ Ø2.8mm	14mm	Colonoscopy	
AF-D2418JZR-17	Ø2.4x1800mm	≥ Ø2.8mm	17mm	Gastroscopy	
AF-D2423JZR-17	Ø2.4x2300mm	≥ Ø2.8mm	17mm	Colonoscopy	

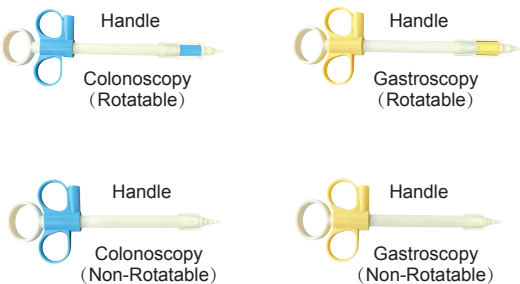
Disposable EMR Instruments



Disposable Electrical Snare (Oval Type)

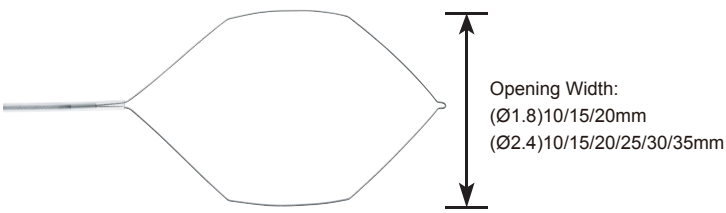


Cut polyp with high-frequency current.
Special alloy strands easy control of cutting and solidification.

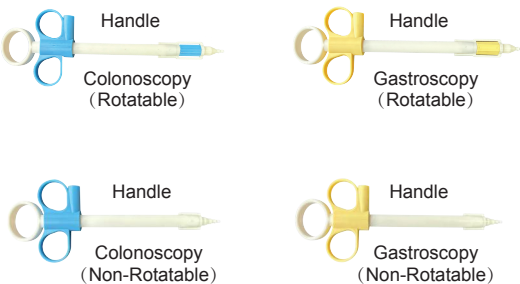


Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810DT	AF-D1810DTR	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812DT	AF-D1812DTR	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1815DT	AF-D1815DTR	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D1816DT	AF-D1816DTR	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D1825DT	AF-D1825DTR	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416DT	AF-D2416DTR	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418DT	AF-D2418DTR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421DT	AF-D2421DTR	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423DT	AF-D2423DTR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Optional rotatable and non-rotatable.				

Disposable Electrical Snare (Hexagonal Type)

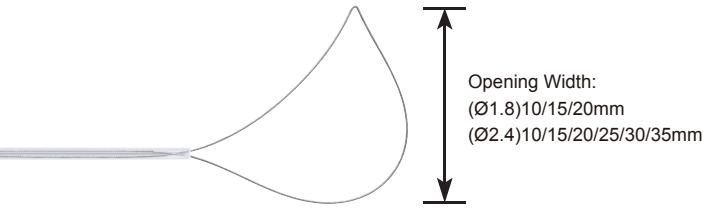


Cut polyp with high-frequency current.
Special alloy strands easy control of cutting and solidification.

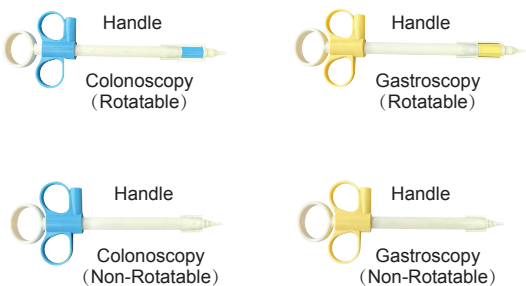


Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810DL	AF-D1810DLR	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812DL	AF-D1812DLR	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1815DL	AF-D1815DLR	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D1816DL	AF-D1816DLR	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D1825DL	AF-D1825DLR	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416DL	AF-D2416DLR	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418DL	AF-D2418DLR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421DL	AF-D2421DLR	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423DL	AF-D2423DLR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Optional rotatable and non-rotatable.				

Disposable Electrical Snare (Half-Moon Type)



Opening Width:
(Ø1.8)10/15/20mm
(Ø2.4)10/15/20/25/30/35mm

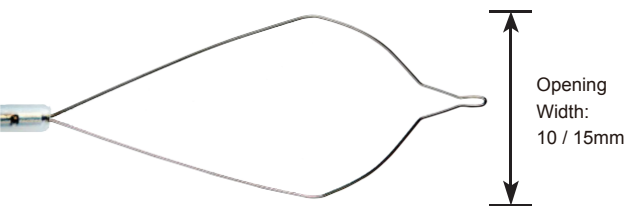


Cut polyp with high-frequency current.
Special alloy strands easy control of cutting and solidification.

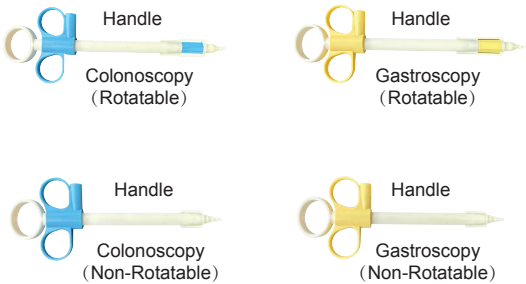
Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810DB	AF-D1810DBR	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812DB	AF-D1812DBR	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1815DB	AF-D1815DBR	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D1816DB	AF-D1816DBR	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D1825DB	AF-D1825DBR	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416DB	AF-D2416DBR	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418DB	AF-D2418DBR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421DB	AF-D2421DBR	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423DB	AF-D2423DBR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Optional rotatable and non-rotatable.

Disposable Cold Snare (Twist Stainless Steel Wire)



Opening
Width:
10 / 15mm

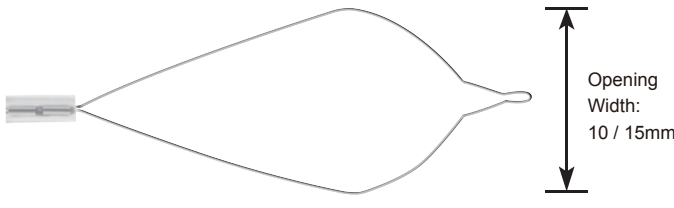


Cut polyp with high-frequency current, Can Cold-Cut.
Special alloy strands easy control of cutting and solidification.

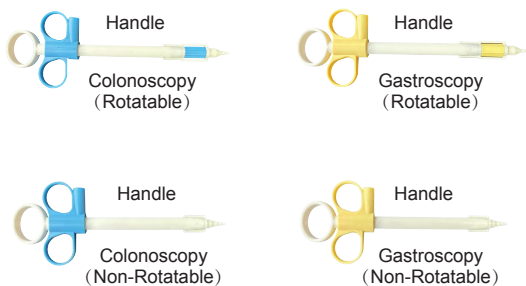
Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810DC-1(A)	AF-D1810DC-1(B)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812DC-1(A)	AF-D1812DC-1(B)	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1815DC-1(A)	AF-D1815DC-1(B)	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D1816DC-1(A)	AF-D1816DC-1(B)	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D1825DC-1(A)	AF-D1825DC-1(B)	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416DC-1(A)	AF-D2416DC-1(B)	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418DC-1(A)	AF-D2418DC-1(B)	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421DC-1(A)	AF-D2421DC-1(B)	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423DC-1(A)	AF-D2423DC-1(B)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Optional rotatable and non-rotatable.

Disposable Cold Snare (Single Stainless Steel Wire)



Opening
Width:
10 / 15mm



Cut polyp with high-frequency current, Can Cold-Cut.
Special alloy strands easy control of cutting and solidification.

Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810DM	AF-D1810DMR	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812DM	AF-D1812DMR	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1815DM	AF-D1815DMR	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D1816DM	AF-D1816DMR	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D1825DM	AF-D1825DMR	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416DM	AF-D2416DMR	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418DM	AF-D2418DMR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421DM	AF-D2421DMR	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423DM	AF-D2423DMR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Optional rotatable and non-rotatable.

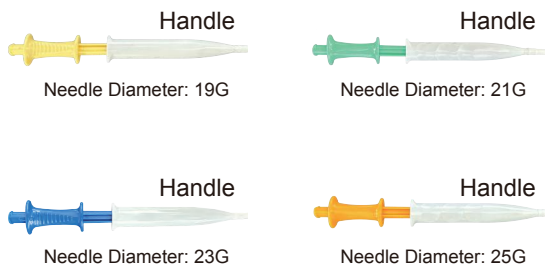
Disposable Injection Needle



Limited bit protection
function,
safer operation.

Stainless steel needle tip,
diamond section,
Sharper when inserted into
tissue.

Using a mixed Teflon inner
and outer sheath, The flow rate is large
and the injection is fast and smooth.



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Needle Length	Needle Diameter	Scope Of Use
AF-D1816PN****	Ø1.8x1600mm	≥Ø2.0mm	4/5/6mm	21/23/25G	Gastroscopy
AF-D2416PN****	Ø2.4x1600mm	≥Ø2.8mm	4/5/6mm	19/21/23/25G	Gastroscopy
AF-D2421PN****	Ø2.4x2100mm	≥Ø2.8mm	4/5/6mm	19/21/23/25G	Colonoscopy
AF-D2423PN****	Ø2.4x2300mm	≥Ø2.8mm	4/5/6mm	19/21/23/25G	Colonoscopy

AF-D **** PN ** **
Needle Length
Needle Diameter
Tube Diameter & Working Length



Disposable Hot Biopsy Forceps

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810DG	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812DG	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816DG	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416DG	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418DG	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421DG	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423DG	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

For cutting small polyps and coagulation of small vessels.



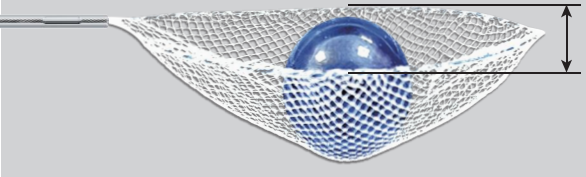
Disposable Grasping Forceps (Snare With Bag Type, Polyfilm)

Opening Width:
20mm (Ø1.8)
20mm / 30mm (Ø2.4)



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810GW(A)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GW(A)	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2418GW(A)	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423GW(A)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

An easy way to take out clots, polyps and foreign bodies.



Disposable Grasping Forceps (Snare With Bag Type, Polynet)

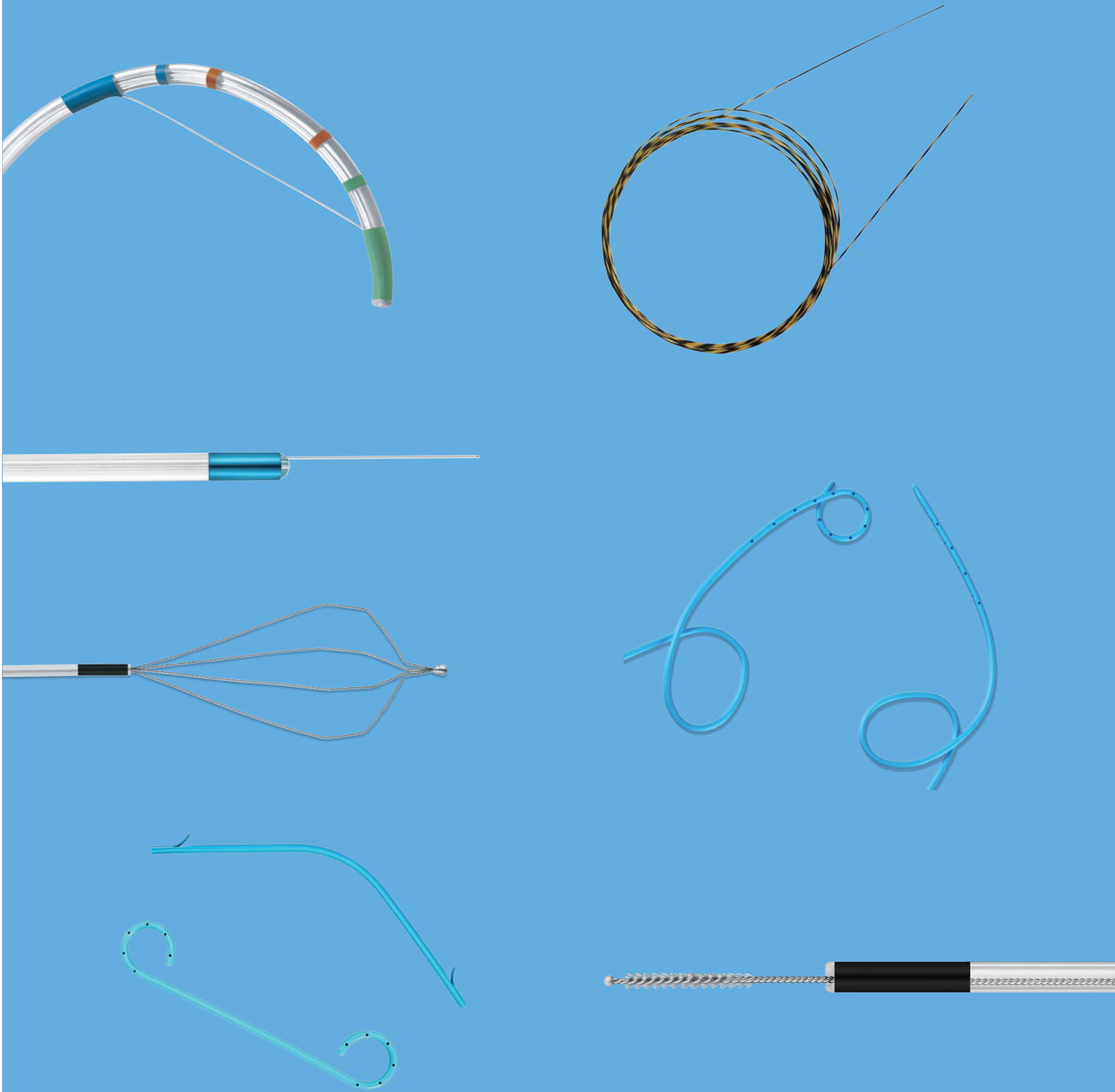
Opening Width:
20mm (Ø1.8)
20mm / 30mm (Ø2.4)



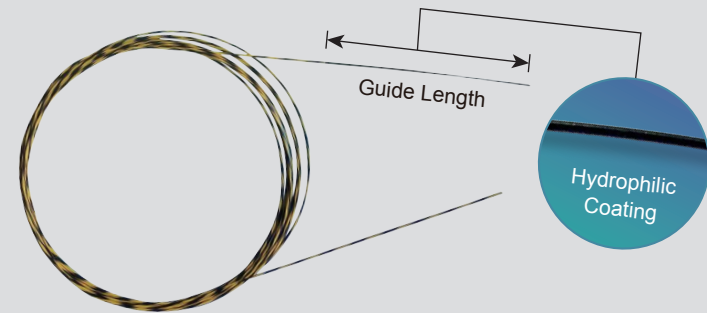
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810GW(B)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GW(B)	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2418GW(B)	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2423GW(B)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

An easy way to take out clots, polyps and foreign bodies.

Disposable ERCP Instruments



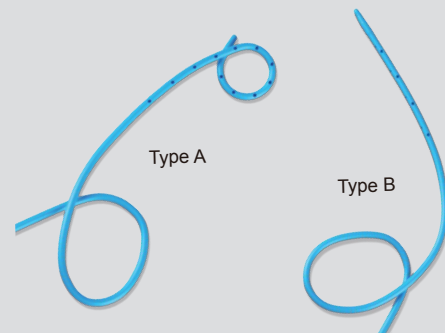
Guidewire



1. The head end is super slippery, Low friction, Smooth intubation.
2. Yellow-and-black surface, Easy to observe.
3. Strong developer, Strong support.
4. Wide range of diameters available.

Item No.	Effective Length	Guide Length	Max Diameter (inch)
AF-D2526QW05	2600mm	50mm	.025"
AF-D2545QW05	4500mm	50mm	.025"
AF-D3526QW05	2600mm	50mm	.035"
AF-D3545QW05	4500mm	50mm	.035"
AF-D3826QW05	2600mm	50mm	.038"
AF-D3845QW05	4500mm	50mm	.038"

Biliary Drainage Catheter



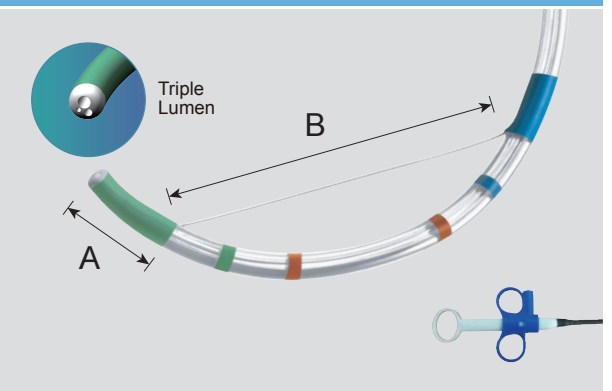
1. Tail shape, Effectively prevents shedding.
2. Good drainage effect.
3. Good flexibility, Narrow sections can be easily passed.

Item No.	Form	Effective Length	External Diameter
AF-D7017BDA	Type A	1700mm	7Fr
AF-D7024BDA	Type A	2400mm	7Fr
AF-D7025BDA	Type A	2500mm	7Fr
AF-D8517BDA	Type A	1700mm	8.5Fr
AF-D8524BDA	Type A	2400mm	8.5Fr
AF-D8525BDA	Type A	2500mm	8.5Fr
AF-D7017BDB	Type B	1700mm	7Fr
AF-D7024BDB	Type B	2400mm	7Fr
AF-D7025BDB	Type B	2500mm	7Fr
AF-D8517BDB	Type B	1700mm	8.5Fr
AF-D8524BDB	Type B	2400mm	8.5Fr
AF-D8525BDB	Type B	2500mm	8.5Fr

Disposable Papillotome



Item No.	A	B	Type
AF-D0720DJ2	7mm	20mm	Double Lumen
AF-D0725DJ2	7mm	25mm	
AF-D0730DJ2	7mm	30mm	
AF-D0720DJ3	7mm	20mm	Triple Lumen
AF-D0725DJ3	7mm	25mm	
AF-D0730DJ3	7mm	30mm	



Disposable Sphincterotomes

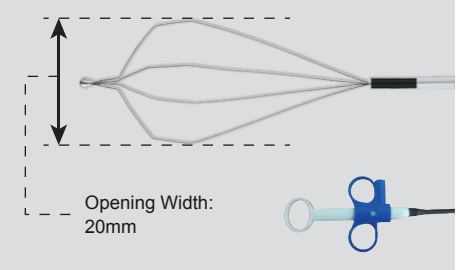


Item No.	Tube Diameter & Working Length	Working Channel Diameter	Type
AF-D2421DZ2	Ø2.4x2100mm	≥Ø2.8mm	Double Lumen
AF-D2421DZ3	Ø2.4x2100mm	≥Ø2.8mm	Triple Lumen

Disposable ERCP Baskets



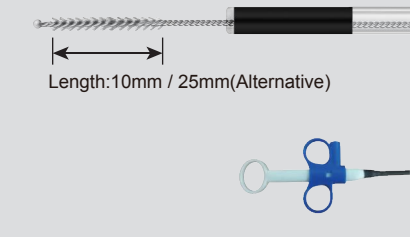
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Type
AF-D2421GL-1	Ø2.4x2100mm	≥Ø2.8mm	Single Lumen
AF-D2421GL-2	Ø2.4x2100mm	≥Ø2.8mm	Double Lumen



Disposable ERCP Cytology Brushes



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Type
AF-D2421WB2	Ø2.4x2100mm	≥Ø2.8mm	Double Lumen



Biliary Plastic Stent



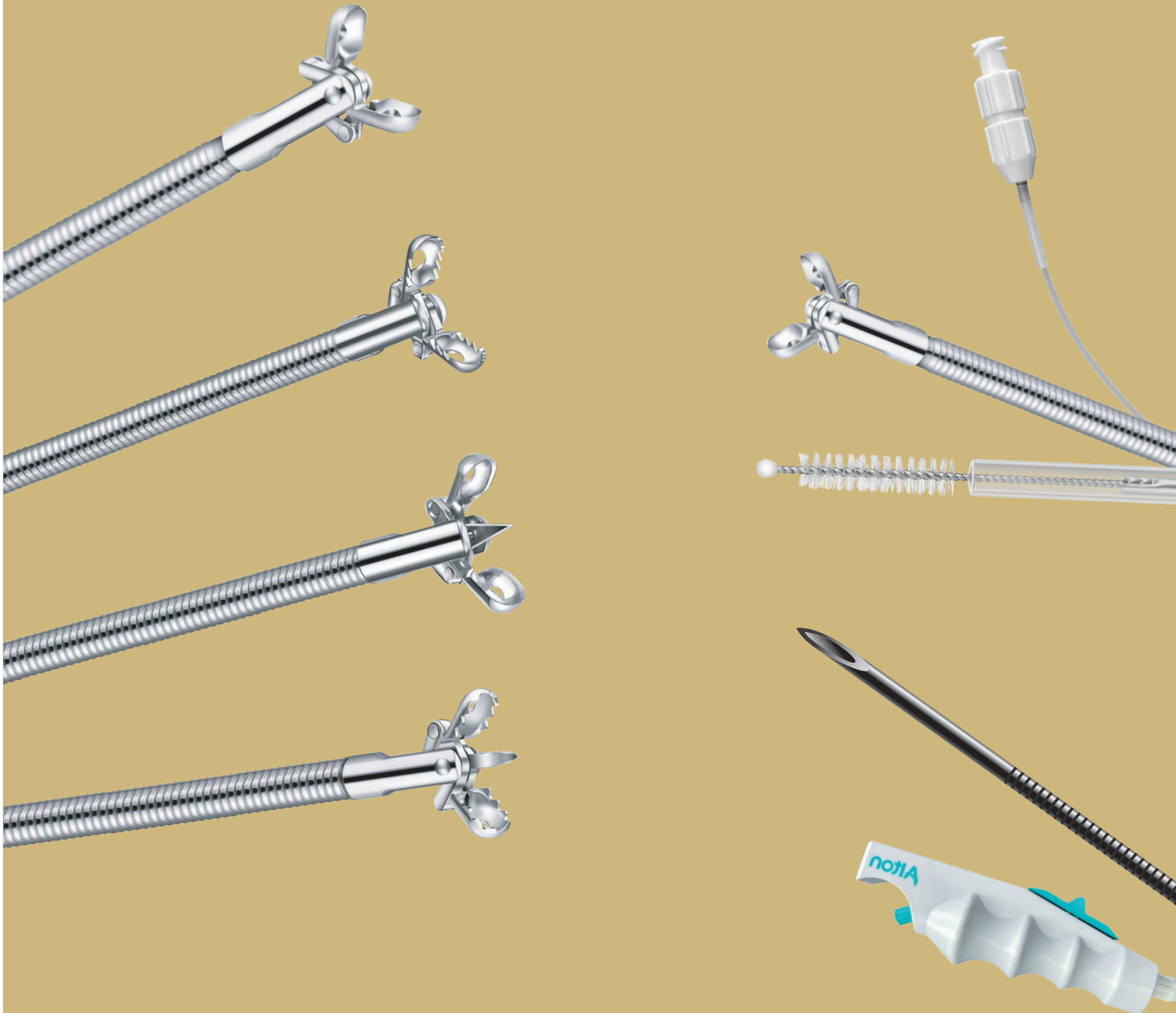
	Item No.	Working Length	Diameter	Form
	AF-D07009CB	90mm	7Fr	Center Bend
	AF-D07010CB	100mm	7Fr	
	AF-D07012CB	120mm	7Fr	
	AF-D08509CB	90mm	8.5Fr	
	AF-D08510CB	100mm	8.5Fr	
	AF-D08512CB	120mm	8.5Fr	
	Item No.	Working Length	Diameter	Form
	AF-D07009DS	90mm	7Fr	Double Pigtail Stent
	AF-D07010DS	100mm	7Fr	
	AF-D07012DS	120mm	7Fr	
	AF-D08509DS	90mm	8.5Fr	
	AF-D08510DS	100mm	8.5Fr	
	AF-D08512DS	120mm	8.5Fr	

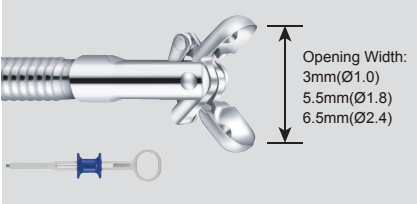
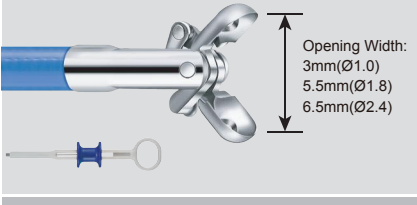
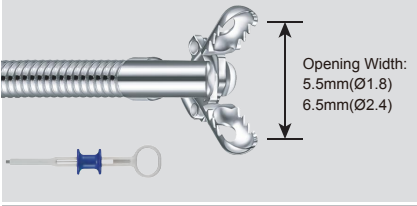
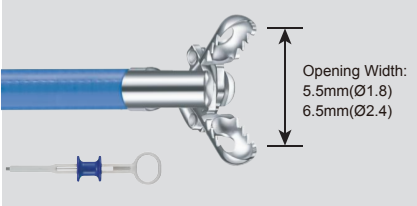
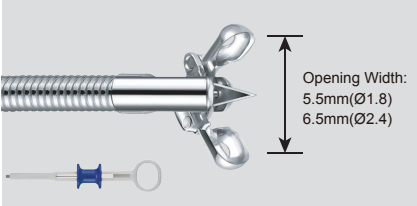
Biliary Plastic Stent (Pushing Catheter)

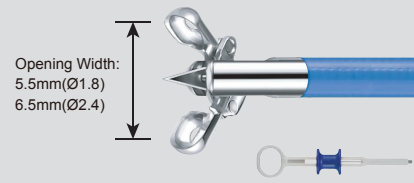
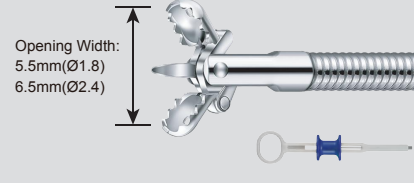
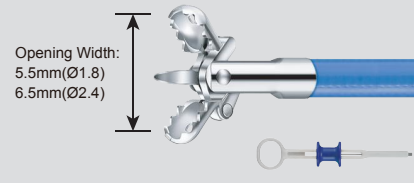
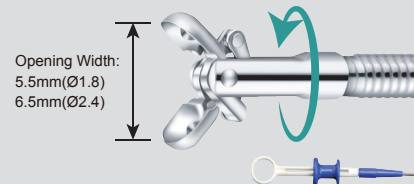
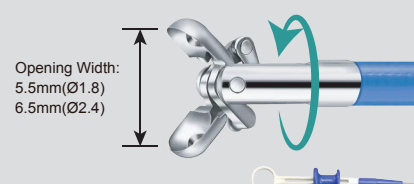
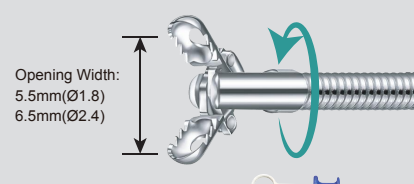


	Item No.	Working Length	Diameter	Form
	AF-D07009CB1	90mm	7Fr	Center Bend
	AF-D07010CB1	100mm	7Fr	
	AF-D07012CB1	120mm	7Fr	
	AF-D08509CB2	90mm	8.5Fr	
	AF-D08510CB2	100mm	8.5Fr	
	AF-D08512CB2	120mm	8.5Fr	
	Item No.	Working Length	Diameter	Form
	AF-D07009DS1	90mm	7Fr	Double Pigtail Stent
	AF-D07010DS1	100mm	7Fr	
	AF-D07012DS1	120mm	7Fr	
	AF-D08509DS2	90mm	8.5Fr	
	AF-D08510DS2	100mm	8.5Fr	
	AF-D08512DS2	120mm	8.5Fr	

Disposable Biopsy Products

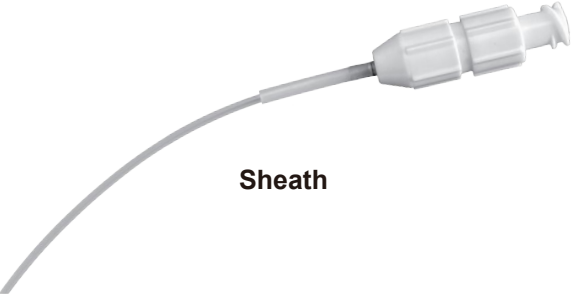


Disposable Biopsy Forceps(Oval Cups Type)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1010BT	Ø1.0x1000mm	≥Ø1.2mm	Urology
	AF-D1810BT	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BT	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BT	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Oval and fenestrated cups for deeper biopsy.				
Disposable Biopsy Forceps(Oval Cups Coated Type)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1010BTC	Ø1.0x1000mm	≥Ø1.2mm	Urology
	AF-D1810BTC	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BTC	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BTC	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Oval and fenestrated cups for deeper biopsy.				
Disposable Biopsy Forceps(Alligator Jaws Cups Type)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1810BU	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BU	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BU	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue.				
Disposable Biopsy Forceps(Alligator Jaws Cups Coated Type)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1810BUC	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BUC	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BUC	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue.				
Disposable Biopsy Forceps(Oval Cups With Needle Type)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1810BW	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BW	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BW	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Oval, fenestrated cups with spike for accurate targeting. No sliding for gathering bigger tissue samples.				

Disposable Biopsy Forceps(Oval Cups With Needle Coated Type)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-D1810BWC	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-D2416BWC	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-D2423BWC	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Oval, fenestrated cups with spike for accurate targeting. No sliding for gathering bigger tissue samples.				
Disposable Biopsy Forceps(Alligator Jaws Cups With Needle Type)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-D1810BZ	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-D2416BZ	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-D2423BZ	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue. No slippage with spike for accurate targeting.				
Disposable Biopsy Forceps(Alligator Jaws Cups With Needle Coated Type)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-D1810BZC	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-D2416BZC	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-D2423BZC	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue. No slippage with spike for accurate targeting.				
Disposable Biopsy Forceps(Oval Cups Type, Rotatable)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-D1810BT(R)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-D2416BT(R)	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-D2423BT(R)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Oval and fenestrated cups for deeper biopsy.				
Disposable Biopsy Forceps(Oval Cups Coated Type, Rotatable)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-D1810BTC(R)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-D2416BTC(R)	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-D2423BTC(R)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Oval and fenestrated cups for deeper biopsy.				
Disposable Biopsy Forceps(Alligator Jaws Cups Type, Rotatable)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-D1810BU(R)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-D2416BU(R)	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-D2423BU(R)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue.				

Disposable Biopsy Forceps(Alligator Jaws Cups Coated Type, Rotatable)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1810BUC(R)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BUC(R)	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BUC(R)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue.				
Disposable Biopsy Forceps(Oval Cups With Needle Type, Rotatable)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1810BW(R)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BW(R)	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BW(R)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Oval, fenestrated cups with spike for accurate targeting. No sliding for gathering bigger tissue samples.				
Disposable Biopsy Forceps(Oval Cups With Needle Coated Type, Rotatable)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1810BWC(R)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BWC(R)	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BWC(R)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Oval, fenestrated cups with spike for accurate targeting. No sliding for gathering bigger tissue samples.				
Disposable Biopsy Forceps(Alligator Jaws Cups With Needle Type, Rotatable)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1810BZ(R)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BZ(R)	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BZ(R)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue. No slippage with spike for accurate targeting.				
Disposable Biopsy Forceps(Alligator Jaws Cups With Needle Coated Type, Rotatable)				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-D1810BZC(R)	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-D2416BZC(R)	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
	AF-D2423BZC(R)	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Serrated, alligator cups for deep biopsy of hard and difficult-to-access tissue. No slippage with spike for accurate targeting.				

Disposable Sheath Set

 Cytology Brush  Biopsy Forceps  Sheath 							
Disposable sheath set consists of biopsy forceps, cytology brush and sheath. Used to quickly and accurately reach the lesion for biopsy sampling under ultrasound, navigation or other equipment.							
Item No.	Sheath Diameter	Sheath Working Length	Biopsy Forceps Coated Or Not	Biopsy Forceps Diameter	Biopsy Forceps Working Length	Cytology Brush Diameter	Cytology Brush Working Length
AF-D1610GS5	Ø1.6mm	1050mm	Non-Coated	Ø1.0mm	1100mm	Ø1.0mm	1100mm
AF-D1910GS5	Ø1.9mm	1050mm	Non-Coated	Ø1.5mm	1100mm	Ø1.5mm	1100mm
AF-D2510GS5	Ø2.5mm	1050mm	Non-Coated	Ø1.8mm	1100mm	Ø1.8mm	1100mm
AF-D1612GS5	Ø1.6mm	1200mm	Non-Coated	Ø1.0mm	1250mm	Ø1.0mm	1250mm
AF-D1912GS5	Ø1.9mm	1200mm	Non-Coated	Ø1.5mm	1250mm	Ø1.5mm	1250mm
AF-D2512GS5	Ø2.5mm	1200mm	Non-Coated	Ø1.8mm	1250mm	Ø1.8mm	1250mm
AF-D1610GS6	Ø1.6mm	1050mm	Coated	Ø1.0mm	1100mm	Ø1.0mm	1100mm
AF-D1910GS6	Ø1.9mm	1050mm	Coated	Ø1.5mm	1100mm	Ø1.5mm	1100mm
AF-D2510GS6	Ø2.5mm	1050mm	Coated	Ø1.8mm	1100mm	Ø1.8mm	1100mm
AF-D1612GS6	Ø1.6mm	1200mm	Coated	Ø1.0mm	1250mm	Ø1.0mm	1250mm
AF-D1912GS6	Ø1.9mm	1200mm	Coated	Ø1.5mm	1250mm	Ø1.5mm	1250mm
AF-D2512GS6	Ø2.5mm	1200mm	Coated	Ø1.8mm	1250mm	Ø1.8mm	1250mm

Disposable Aspiration Needle

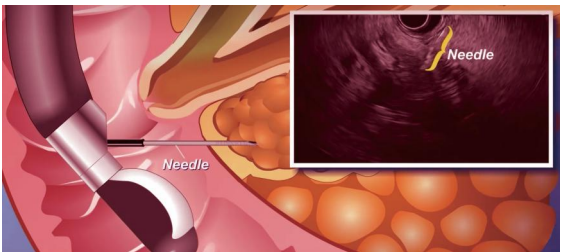


Used for lung cytology and histology biopsy. The locking feature makes the tip stable and easy to operate, protecting the working channel in retraction.

Item.No	Sheath Diameter	Needle Diameter	Working Length
AF-D1107NQ22	1.1mm	22G	700mm
AF-D1109NQ22	1.1mm	22G	900mm
AF-D1111NQ22	1.1mm	22G	1100mm
AF-D1407NQ22	1.4mm	22G	700mm
AF-D1409NQ22	1.4mm	22G	900mm
AF-D1411NQ22	1.4mm	22G	1100mm
AF-D1407NQ20	1.4mm	20G	700mm
AF-D1409NQ20	1.4mm	20G	900mm
AF-D1411NQ20	1.4mm	20G	1100mm
AF-D1907NQ22	1.9mm	22G	700mm
AF-D1909NQ22	1.9mm	22G	900mm
AF-D1911NQ22	1.9mm	22G	1100mm
AF-D1907NQ20	1.9mm	20G	700mm
AF-D1909NQ20	1.9mm	20G	900mm
AF-D1911NQ20	1.9mm	20G	1100mm
AF-D1907NQ18	1.9mm	18G	700mm
AF-D1909NQ18	1.9mm	18G	900mm
AF-D1911NQ18	1.9mm	18G	1100mm

The maximum effective working length can reach 1300mm.

Disposable Biopsy Needle

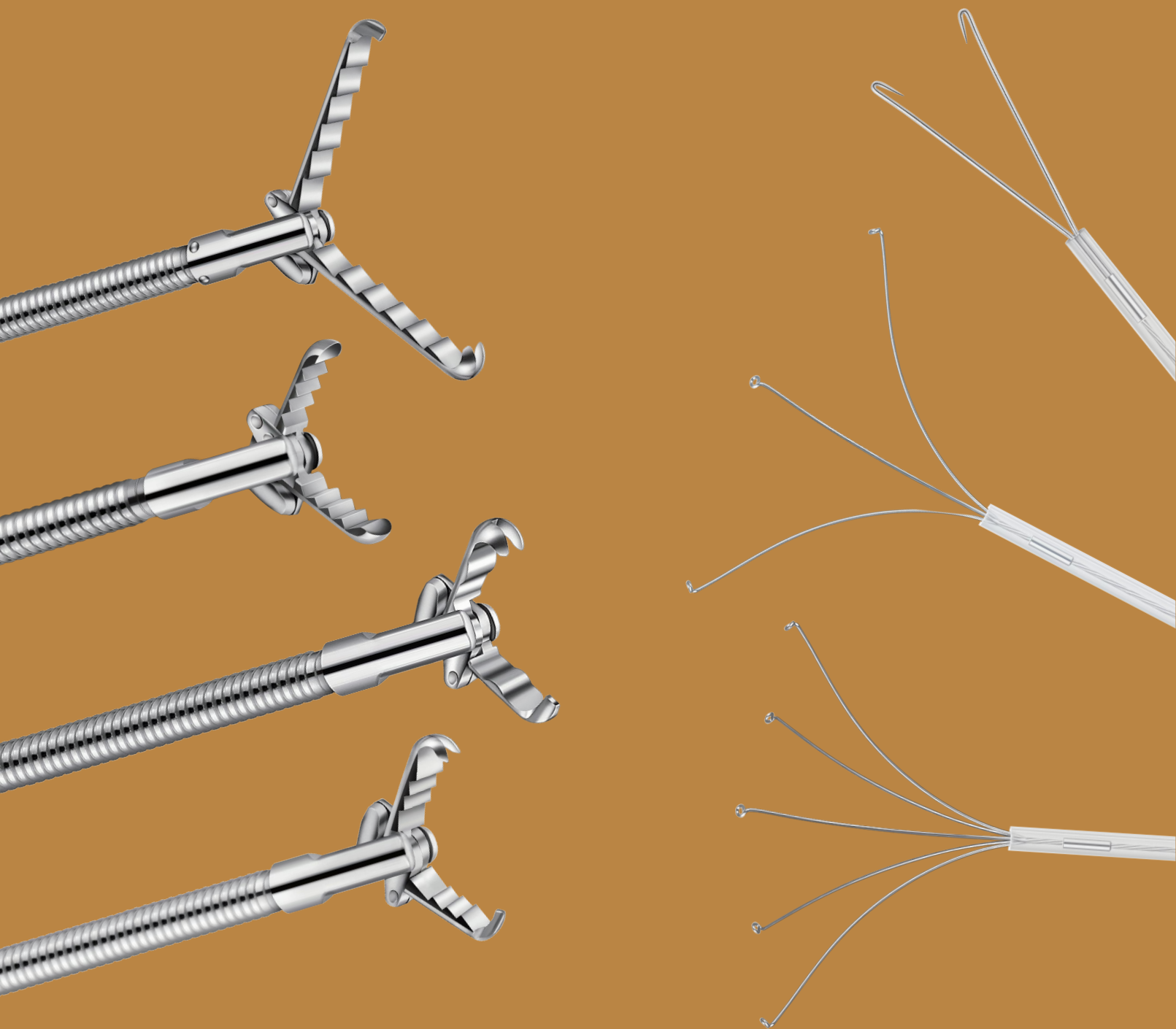


EUS-FNA refers to a technique to obtain cytological diagnosis by using fine-needle aspiration on the gastrointestinal tract wall and surrounding lesions under the real-time guidance of endoscopic ultrasound.



Item.No	Sheath Diameter	Needle Diameter	Working Length	Sheath Material
AF-D1908XAP	1.7mm	19G	930mm	POM
AF-D1908XAS	1.7mm	19G	930mm	Stainless Steel
AF-D2208XAP	1.7mm	22G	930mm	POM
AF-D2208XAS	1.7mm	22G	930mm	Stainless Steel
AF-D2508XAP	1.7mm	25G	930mm	POM
AF-D2508XAS	1.7mm	25G	930mm	Stainless Steel
AF-D1913XAP	1.7mm	19G	1415mm	POM
AF-D1913XAS	1.7mm	19G	1415mm	Stainless Steel
AF-D2213XAP	1.7mm	22G	1415mm	POM
AF-D2213XAS	1.7mm	22G	1415mm	Stainless Steel
AF-D2513XAP	1.7mm	25G	1415mm	POM
AF-D2513XAS	1.7mm	25G	1415mm	Stainless Steel

Disposable Grasping Forceps



Disposable Grasping Forceps (Rat Tooth Type)

Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1007GI	AF-D1007GIR	Ø1.0x700mm	≥Ø1.2mm	Urology
AF-D1010GI	AF-D1010GIR	Ø1.0x1000mm	≥Ø1.2mm	Urology
AF-D1012GI	AF-D1012GIR	Ø1.0x1200mm	≥Ø1.2mm	Urology
AF-D1810GI	AF-D1810GIR	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812GI	AF-D1812GIR	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GI	AF-D1816GIR	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D1825GI	AF-D1825GIR	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416GI	AF-D2416GIR	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418GI	AF-D2418GIR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421GI	AF-D2421GIR	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GI	AF-D2423GIR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Opening Width:
4mm(Ø1.0)
5mm(Ø1.8) 7mm(Ø2.4)



Rat tooth for flat and hard objects (e.g.coins).



Disposable Grasping Forceps (Rat Tooth With Alligator Jaws Type)

Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810GJ	AF-D1810GJR	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812GJ	AF-D1812GJR	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GJ	AF-D1816GJR	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D1825GJ	AF-D1825GJR	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416GJ	AF-D2416GJR	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418GJ	AF-D2418GJR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421GJ	AF-D2421GJR	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GJ	AF-D2423GJR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Opening Width:
5.5mm(Ø1.8) 8mm(Ø2.4)



Sharp tooth, long jaws for difficult retrieval of flat and hard objects.



Disposable Grasping Forceps (Alligator Jaws Type)

Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810GH	AF-D1810GHR	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812GH	AF-D1812GHR	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GH	AF-D1816GHR	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D1825GH	AF-D1825GHR	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416GH	AF-D2416GHR	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418GH	AF-D2418GHR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421GH	AF-D2421GHR	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GH	AF-D2423GHR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Opening Width:
7.5mm(Ø1.8) 8.5mm(Ø2.4)



For sharp-edged objects.

Disposable Grasping Forceps (Pelican Type)



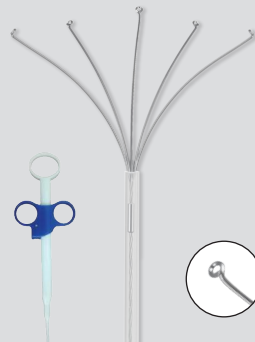
Opening Width:
8mm(Ø1.8) 14mm(Ø2.4)



Item No. (Non-Rotatable)	Item No. (Rotatable)	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810GK	AF-D1810GKR	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812GK	AF-D1812GKR	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816GK	AF-D1816GKR	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D1825GK	AF-D1825GKR	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416GK	AF-D2416GKR	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418GK	AF-D2418GKR	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421GK	AF-D2421GKR	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GK	AF-D2423GKR	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

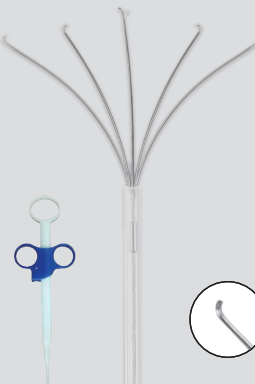
For big objects. Opening width: 14mm.

Disposable Grasping Forceps (5-Prong Type)



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1807GM105	Ø1.8x700mm	≥Ø2.0mm	Choledochscopy
AF-D1810GM105	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1815GM105	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D1825GM105	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416GM105	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM105	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM105	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM105	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Disposable Grasping Forceps (5-Prong Hook Type)

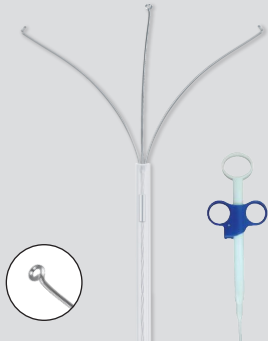


Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1007GM105-H	Ø1.0x700mm	≥Ø1.2mm	Urology
AF-D1010GM105-H	Ø1.0x1000mm	≥Ø1.2mm	Urology
AF-D1012GM105-H	Ø1.0x1200mm	≥Ø1.2mm	Urology
AF-D1807GM105-H	Ø1.8x700mm	≥Ø2.0mm	Choledochscopy
AF-D1810GM105-H	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1815GM105-H	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D1825GM105-H	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416GM105-H	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM105-H	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM105-H	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM105-H	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Disposable Grasping Forceps (3-Prong Type)



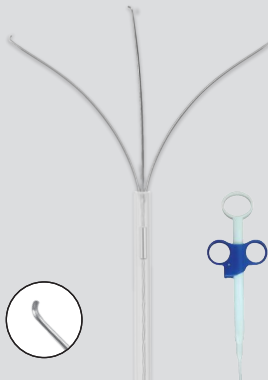
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1807GM103	Ø1.8x700mm	≥Ø2.0mm	Choledochscopy
AF-D1810GM103	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1815GM103	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D1825GM103	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416GM103	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM103	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM103	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM103	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



Disposable Grasping Forceps (3-Prong Hook Type)



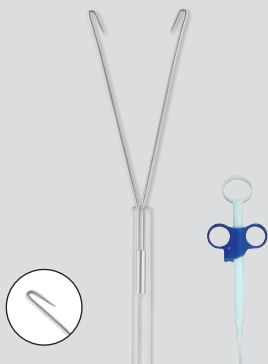
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1007GM103-H	Ø1.0x700mm	≥Ø1.2mm	Urology
AF-D1010GM103-H	Ø1.0x1000mm	≥Ø1.2mm	Urology
AF-D1012GM103-H	Ø1.0x1200mm	≥Ø1.2mm	Urology
AF-D1807GM103-H	Ø1.8x700mm	≥Ø2.0mm	Choledochscopy
AF-D1810GM103-H	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1815GM103-H	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-D1825GM103-H	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416GM103-H	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM103-H	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM103-H	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM103-H	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



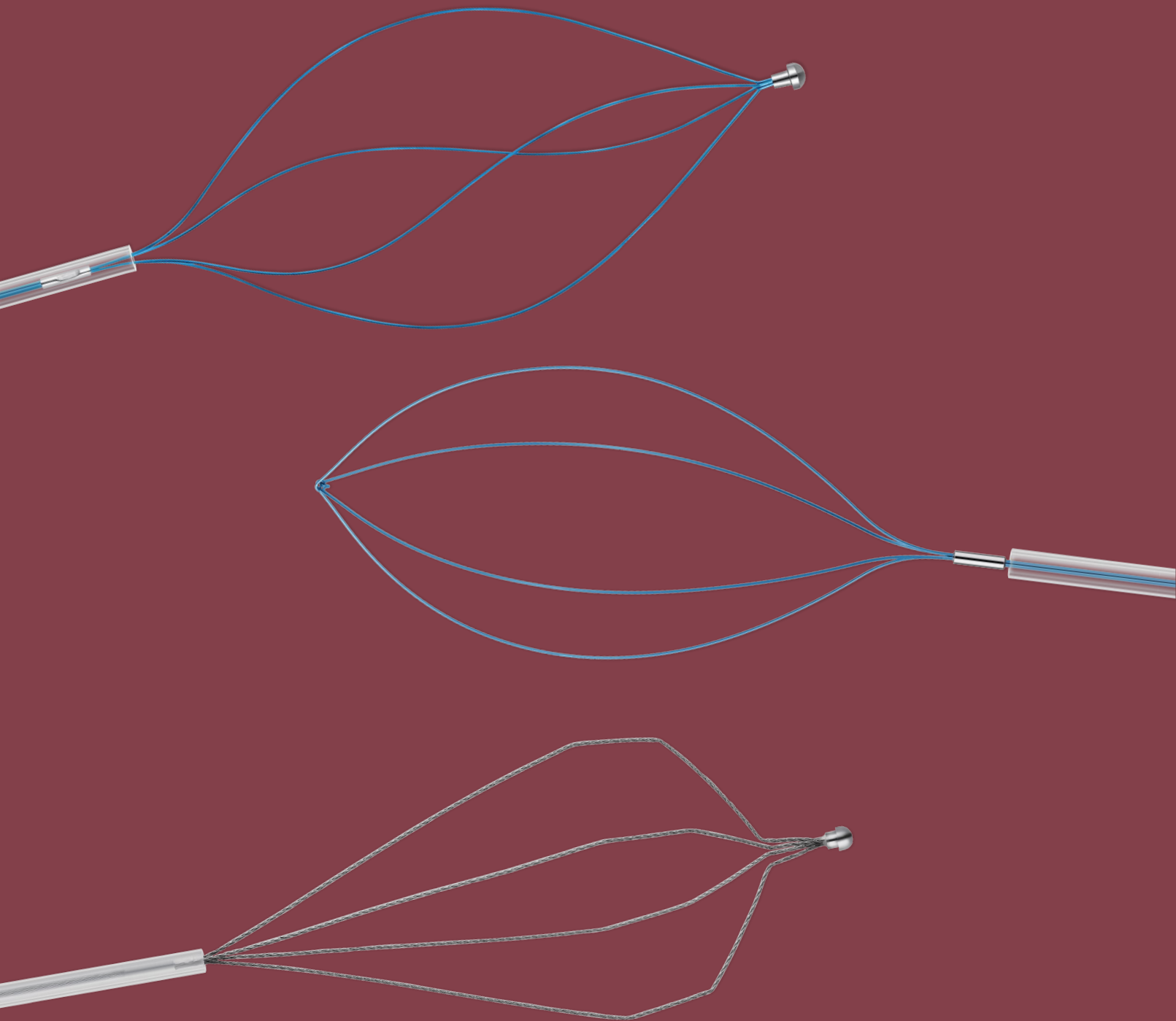
Disposable Grasping Forceps (2-Prong Type)



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1825GM102	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-D2416GM102	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2417GM102	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-D2421GM102	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423GM102	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



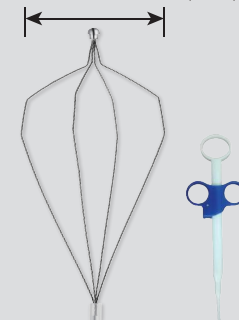
Disposable Retrieval Basket



Disposable Retrieval Basket (Fold Angular Basket Type, Stainless Steel)

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1807GL0	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-D1810GL0	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816GL0	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D1825GL0	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy
AF-D2415GL0	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
AF-D2417GL0	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-D2421GL0	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423GL0	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Opening Width:
10/15/20mm(Ø1.8)
10/15/20/25/30/35mm(Ø2.4)



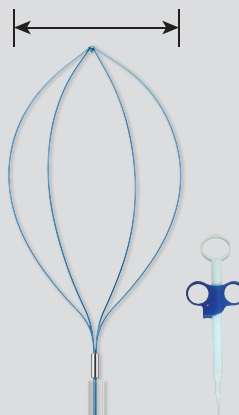
For retrieval of round and slippery objects.



Disposable Retrieval Basket (Basket without Tip Type, Nitinol)

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1007GL1	Ø1.0x700mm	≥ Ø1.2mm	Urology
AF-D1010GL1	Ø1.0x1000mm	≥ Ø1.2mm	Urology
AF-D1012GL1	Ø1.0x1200mm	≥ Ø1.2mm	Urology
AF-D1807GL1	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-D1810GL1	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816GL1	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D1825GL1	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy
AF-D2415GL1	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
AF-D2417GL1	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-D2421GL1	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423GL1	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Opening Width:
10/15mm(Ø1.0)
10/15/20mm(Ø1.8)
10/15/20/25/30/35mm(Ø2.4)



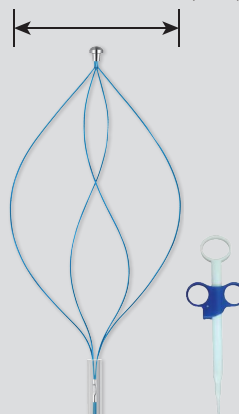
For retrieval of round and slippery objects.



Disposable Retrieval Basket (Spirality Basket Type, Nitinol)

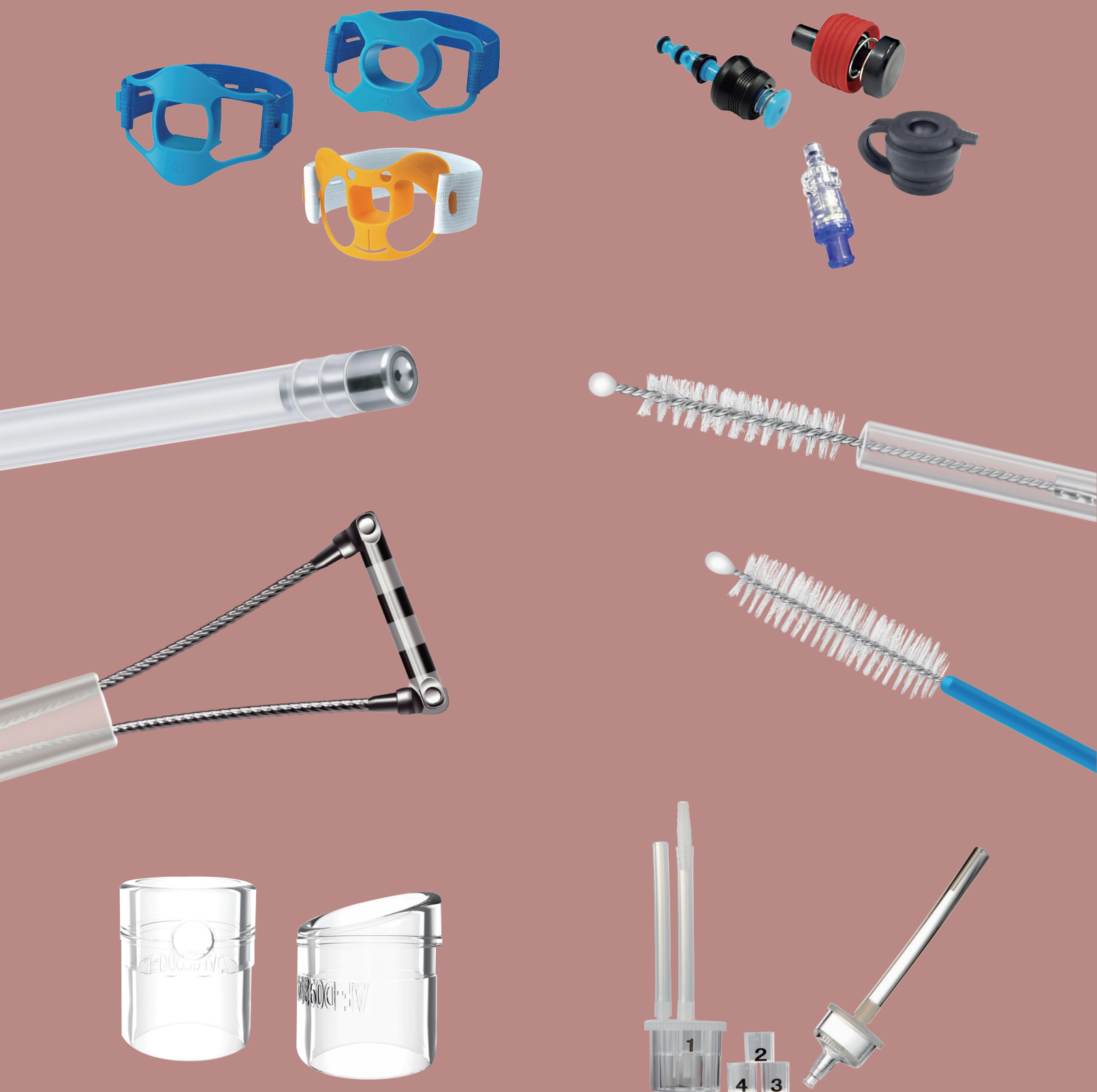
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1007GL2	Ø1.0x700mm	≥ Ø1.2mm	Urology
AF-D1010GL2	Ø1.0x1000mm	≥ Ø1.2mm	Urology
AF-D1012GL2	Ø1.0x1200mm	≥ Ø1.2mm	Urology
AF-D1807GL2	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-D1810GL2	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-D1816GL2	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
AF-D1825GL2	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy
AF-D2415GL2	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
AF-D2417GL2	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-D2421GL2	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-D2423GL2	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Opening Width:
10/15mm(Ø1.0)
10/15/20mm(Ø1.8)
10/15/20/25/30/35mm(Ø2.4)



For retrieval of round and slippery objects.

Disposable Other Products



Disposable Spray Catheters(Standard Type)

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810PA	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812PA	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816PA	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416PA	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418PA	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421PA	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423PA	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



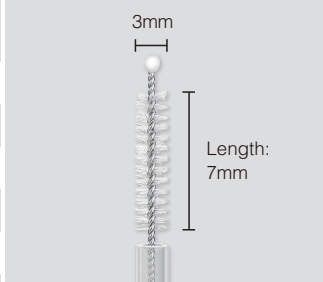
Disposable Spray Catheters(Fog Spray Type)

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810PB	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812PB	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816PB	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416PB	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2418PB	Ø2.4x1800mm	≥Ø2.8mm	Gastroscopy
AF-D2421PB	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-D2423PB	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy



Disposable Cytology Brush(Straight Type)

Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810WB	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812WB	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816WB	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416WB	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2423WB	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

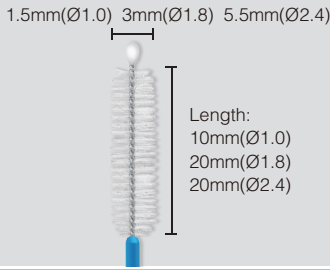


Ideal brush hardness for improved sample collection. Thinner bristles for significantly improved cell collection capability.



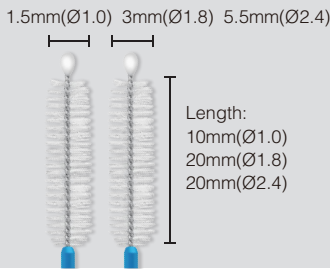
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1810WB-C	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-D1812WB-C	Ø1.8x1200mm	≥Ø2.0mm	Bronchoscopy
AF-D1816WB-C	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-D2416WB-C	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2423WB-C	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Ideal brush hardness for improved sample collection. Thinner bristles for significantly improved cell collection capability.



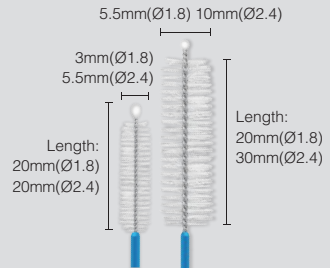
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1012WAS	Ø1.0x1200mm	≥Ø1.2mm	Urology
AF-D1022WAS	Ø1.0x2200mm	≥Ø1.2mm	Urology
AF-D1818WAS	Ø1.8x1800mm	≥Ø2.0mm	Bronchoscopy
AF-D2416WAS	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2422WAS	Ø2.4x2200mm	≥Ø2.8mm	Colonoscopy

To clean endoscopic channel.



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1012WA	Ø1.0x1200mm	≥Ø1.2mm	Urology
AF-D1022WA	Ø1.0x2200mm	≥Ø1.2mm	Urology
AF-D1818WA	Ø1.8x1800mm	≥Ø2.0mm	Bronchoscopy
AF-D2416WA	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2422WA	Ø2.4x2200mm	≥Ø2.8mm	Colonoscopy

To clean endoscopic channel.

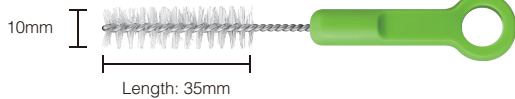


Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-D1818WAV	Ø1.8x1800mm	≥Ø2.0mm	Bronchoscopy
AF-D2416WAV	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy
AF-D2422WAV	Ø2.4x2200mm	≥Ø2.8mm	Colonoscopy

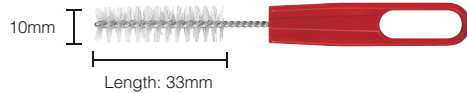
To clean endoscopic channel.



Name	Item No.
Valve Brush	AF-D1001WCR



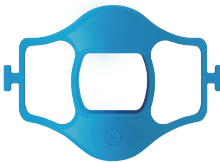
Name	Item No.
Port Hole Brush	AF-D1001WC



Name	Item No.
Port Hole Brush	AF-D1001WR



Name	Item No.
Bite Block For Adults (With Elastic Band)	AF-GBW



Name	Item No.
Bite Block For Adults	AF-GB



Name	Item No.
Bite Block For No Teeth	AF-GB-N



Name	Item No.
Bite Block For No Teeth (With Elastic Band)	AF-GBW-N



Name	Item No.
Bite Block For Children (With Elastic Band)	AF-GBW-C

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CE 0123

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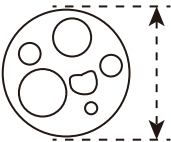
CE 0123

Disposable Other Products

Disposable Endoscope Valves Set				2
	Name	Item No.	OLYMPUS	
	Disposable Endoscope Valves Set (For OLYMPUS)	AF-DVS3-O	GIF-H290/260 CF-H290/260 PCF-H290/260 series	
	Name	Item No.	OLYMPUS	
	Disposable Endoscope Valves Set (For OLYMPUS)	AF-DVS4-O	GIF-H290/260 CF-H290/260 PCF-H290/260 series	
	Name	Item No.	FUJIFILM	
	Disposable Endoscope Valves Set (For FUJIFILM)	AF-DVS3-F	EC-L600/590/580 EG-L600/590/580 series	
	Name	Item No.	FUJIFILM	
	Disposable Endoscope Valves Set (For FUJIFILM)	AF-DVS4-F	EC-L600/590/580 EG-L600/590/580 series	
	Name	Item No.	PENTAX	
	Disposable Endoscope Valves Set (For PENTAX)	AF-DVS3-P	i10/90i series	
	Name	Item No.	PENTAX	
	Disposable Endoscope Valves Set (For PENTAX)	AF-DVS4-P	i10/90i series	
	Name	Item No.	Adaptable Type	
	Valve Cap	AF-BVC-O	OLYMPUS	
		AF-BVC-F	FUJIFILM	
		AF-BVC-P	PENTAX	

1. Preventing Cross Infection
2. Lubricant Free
3. No Jam And Sticky Issues
4. Protective Endoscope
5. Preventing Water Leakage And Air Leakage
6. Comfortable To The Touch

Endoscopic Distal Attachment						2
	Item No.	Diameter	OLYMPUS	FUJIFILM	PENTAX	
	AF-D09904AC1	Ø9.9mm	PCF-H290/260, GIF-H290/260	EG-L600ZW7, EG-L580RD7	EG29-i10, EG29-i10N	
	AF-D10804AC1	Ø10.8mm	CF-EZ1500	EG-L590ZW	—————	
	AF-D12804AC1	Ø12.8mm	CF-H290, PCF-H290ZL/I CF-H170L/I	EC-L600ZP7, EC-720R/M EC760R-V/M	EC34-i10M, EC34-i10L EC34-i10F	
	Item No.	Diameter	OLYMPUS	FUJIFILM	PENTAX	
	AF-D09904AC2	Ø9.9mm	PCF-H290/260, GIF-H290/260	EG-L600ZW7, EG-L580RD7	EG29-i10, EG29-i10N	
	AF-D10804AC2	Ø10.8mm	CF-EZ1500	EG-L590ZW	—————	
	AF-D12804AC2	Ø12.8mm	CF-H290, PCF-H290ZL/I CF-H170L/I	EC-L600ZP7, EC-720R/M EC760R-V/M	EC34-i10M, EC34-i10L EC34-i10F	
	Item No.	Diameter	OLYMPUS	FUJIFILM	PENTAX	
	AF-D09904AC3	Ø9.9mm	PCF-H290/260, GIF-H290/260	EG-L600ZW7, EG-L580RD7	EG29-i10, EG29-i10N	
	AF-D10804AC3	Ø10.8mm	CF-EZ1500	EG-L590ZW	—————	
	AF-D12804AC3	Ø12.8mm	CF-H290, PCF-H290ZL/I CF-H170L/I	EC-L600ZP7, EC-720R/M EC760R-V/M	EC34-i10M, EC34-i10L EC34-i10F	
	Item No.	Diameter	OLYMPUS	FUJIFILM	PENTAX	
	AF-D09904AC4	Ø9.9mm	PCF-H290/260, GIF-H290/260	EG-L600ZW7, EG-L580RD7	EG29-i10, EG29-i10N	
	AF-D10804AC4	Ø10.8mm	CF-EZ1500	EG-L590ZW	—————	
	AF-D12804AC4	Ø12.8mm	CF-H290, PCF-H290ZL/I CF-H170L/I	EC-L600ZP7, EC-720R/M EC760R-V/M	EC34-i10M, EC34-i10L EC34-i10F	
	Item No.	Diameter	OLYMPUS	FUJIFILM	PENTAX	
	AF-D09904AC5	Ø9.9mm	PCF-H290/260, GIF-H290/260	EG-L600ZW7, EG-L580RD7	EG29-i10, EG29-i10N	
	AF-D10804AC5	Ø10.8mm	CF-EZ1500	EG-L590ZW	—————	
	AF-D12804AC5	Ø12.8mm	CF-H290, PCF-H290ZL/I CF-H170L/I	EC-L600ZP7, EC-720R/M EC760R-V/M	EC34-i10M, EC34-i10L EC34-i10F	
	Item No.	Diameter	OLYMPUS	FUJIFILM	PENTAX	
	AF-D09904AC6	Ø9.9mm	PCF-H290/260, GIF-H290/260	EG-L600ZW7, EG-L580RD7	EG29-i10, EG29-i10N	
	AF-D10804AC6	Ø10.8mm	CF-EZ1500	EG-L590ZW	—————	
	AF-D12804AC6	Ø12.8mm	CF-H290, PCF-H290ZL/I CF-H170L/I	EC-L600ZP7, EC-720R/M EC760R-V/M	EC34-i10M, EC34-i10L EC34-i10F	
	Item No.	Diameter	OLYMPUS	FUJIFILM	PENTAX	
	AF-D13204AC6	Ø13.2mm	CF-EZ1500DL/I	—————	EC38-i10L, EC38-i10F/F2 EC38-i10M/M2	



Diameter :
Outer diameter of the head end of the endoscope insertion part.

★ If you need to learn more about product models, you can consult by phone or email.

Disposable Polyp Trap



Name	Item No.
Polyp Trap (4 Chambers)	AF-DPT

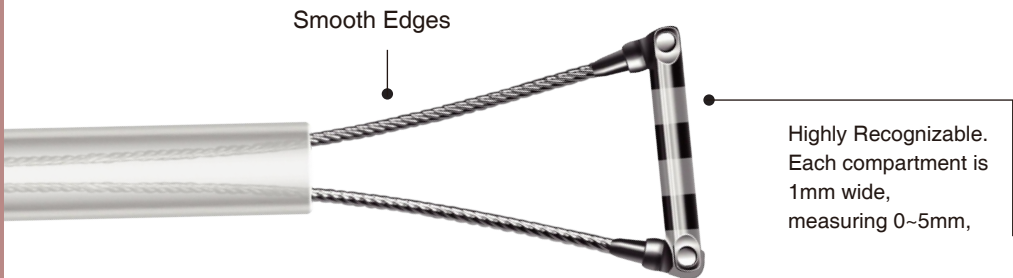
The specimen is collected by negative pressure aspirator, and the waste liquid can be sucked out automatically. This product can collect specimens from four patients. The four specimen boxes are marked and can be independently disassembled to effectively prevent specimen contamination.



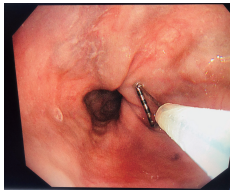
Name	Item No.
Polyp Trap (Single Chamber)	AF-DPT-S

The specimen is collected by negative pressure aspirator, and the waste liquid can be sucked out automatically. This product can collect specimen of a single patient. The specimen box is transparent, easy to observe the specimen condition, can effectively prevent specimen contamination.

Disposable Measuring Ruler



Item No.	Diameter	Length	Scope Of Use
AF-D2415MR	Ø2.4mm	1500mm	Gastroscopy
AF-D2416MR	Ø2.4mm	1600mm	Gastroscopy
AF-D2417MR	Ø2.4mm	1700mm	Gastroscopy
AF-D2418MR	Ø2.4mm	1800mm	Gastroscopy
AF-D2421MR	Ø2.4mm	2100mm	Colonoscopy
AF-D2423MR	Ø2.4mm	2300mm	Colonoscopy



Used in conjunction with digestive endoscopy to measure the size of digestive tract lesions, such as measuring the diameter of blood vessels in GOV, for grading varices.

Disposable Hemorrhoid Ligating Device



Use rubber bands to bind the internal hemorrhoids, make them ischemic, sterile necrosis, and then fall off.

Item No.	Number of Bands	Length	Width	Height
AF-D1HL	1	272mm	22.5mm	152mm
AF-D2HL	2	272mm	22.5mm	152mm
AF-D3HL	3	272mm	22.5mm	152mm
AF-D4HL	4	272mm	22.5mm	152mm
AF-D5HL	5	272mm	22.5mm	152mm
AF-D6HL	6	272mm	22.5mm	152mm
AF-D7HL	7	272mm	22.5mm	152mm
AF-D8HL	8	272mm	22.5mm	152mm

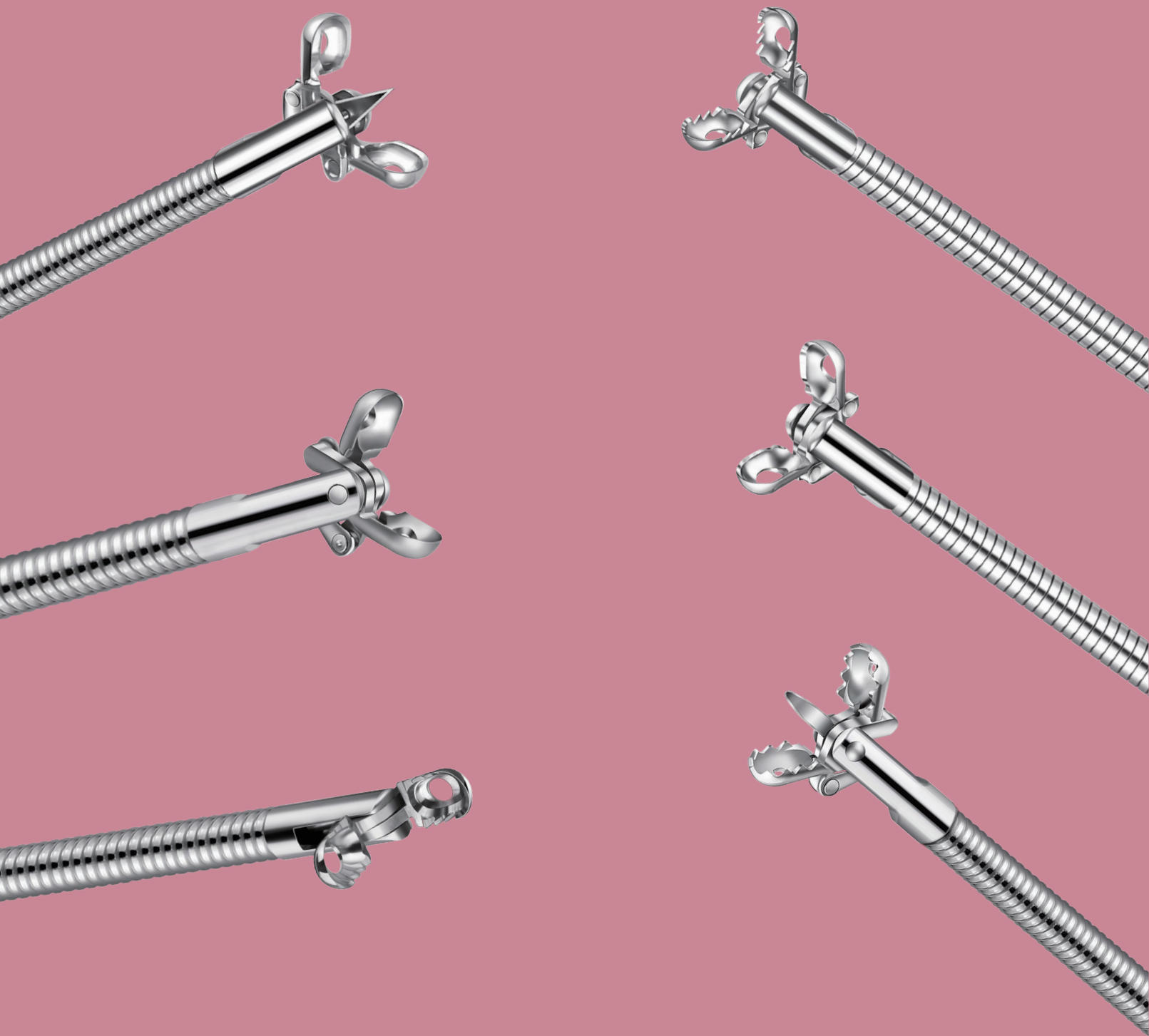
Disposable Endoscopic Multiple Ligature



Under the guidance of endoscope, rubber bands are used to ligate the roots of varices to make them ischemia and necrosis, so as to achieve the purpose of hemostasis and prevention of rebleeding, and generally treat gastric esophageal varices.

Item No.	Number of Bands	Bands Color	Endoscope Outer Diameter
AF-D1EL	1	Blue	8.6mm ~ 11.0mm
AF-D2EL	2	(1) Blue+(1) Black	8.6mm ~ 11.0mm
AF-D3EL	3	(1) Blue+(2) Black	8.6mm ~ 11.0mm
AF-D4EL	4	(1) Blue+(3) Black	8.6mm ~ 11.0mm
AF-D5EL	5	(1) Blue+(4) Black	8.6mm ~ 11.0mm
AF-D6EL	6	(1) Blue+(5) Black	8.6mm ~ 11.0mm

Reusable Biopsy Forceps



AUTOCLAVABLE 132°C 270°F		Reusable Biopsy Forceps(Oval Fenestrated Cups Type)	
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-1807BT	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
AF-1810BT	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1815BT	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
AF-1825BT	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415BT	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
AF-2417BT	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421BT	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423BT	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

Opening Width:
5.5mm(Ø1.8) 6.5mm(Ø2.4)



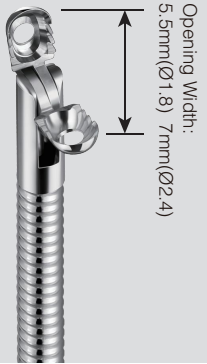
Oval and fenestrated cups for deeper biopsy. It can be made rotatable.

AUTOCLAVABLE 132°C 270°F			Reusable Biopsy Forceps(Standard Type)	
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	Opening Width: 5mm(Ø1.8) 6mm(Ø2.4) 
AF-1807BS	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy	
AF-1810BS	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815BS	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-1825BS	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy	
AF-2415BS	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417BS	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421BS	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423BS	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Standard, round fenestrated cups with minimal tissue damage. It can be made rotatable.				

AUTOCLAVABLE 132°C 270°F		Reusable Biopsy Forceps(Oval Fenestrated Cups with Needle Type)		
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	Opening Width: 5.5mm(Ø1.8) 7mm(Ø2.4) 
AF-1807BW	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy	
AF-1810BW	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815BW	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-1825BW	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy	
AF-2415BW	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417BW	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421BW	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423BW	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Oval and fenestrated cups with spike for accerate targeting without sliding. Desinged to minimize tissue damage. It can be made rotatable.				

Reusable Biopsy Forceps(Alligator Jaws, Single Moving Cup Type)

AUTOCLAVABLE
132°C
270°F



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-1807BV	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-1810BV	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-1815BV	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
AF-1825BV	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy
AF-2415BV	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
AF-2417BV	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421BV	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423BV	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Able to sway from side to side for deep biopsy of hard and difficult-to-access tissue.

Reusable Biopsy Forceps(Alligator Jaws Type)

AUTOCLAVABLE
132°C
270°F

Opening Width:
5.5mm(Ø1.8) 7mm(Ø2.4)



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-1807BU	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-1810BU	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-1815BU	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
AF-1825BU	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy
AF-2415BU	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
AF-2417BU	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421BU	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423BU	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Standard, alligator cups for tissue collection on tumor. It can be made rotatable.

Reusable Biopsy Forceps(Alligator Jaws with Needle Type)

AUTOCLAVABLE
132°C
270°F

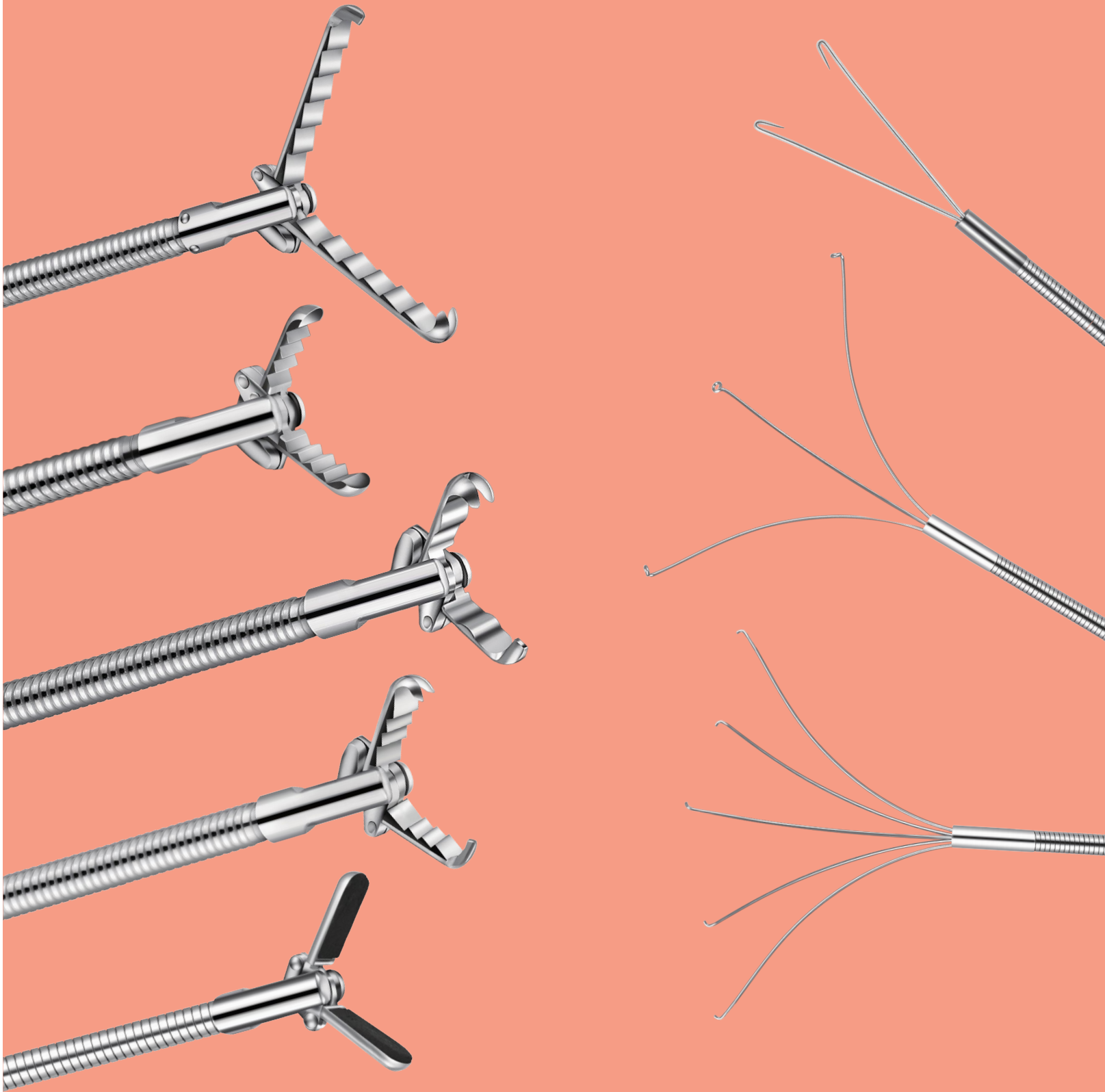
Opening Width:
5.5mm(Ø1.8) 7mm(Ø2.4)



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-1807BWU	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy
AF-1810BWU	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-1815BWU	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
AF-1825BWU	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy
AF-2415BWU	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
AF-2417BWU	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421BWU	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423BWU	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Alligator cups with spike for accurate targeting without sliding. Designed to minimize tissue damage. It can be made rotatable.

Reusable Grasping Forceps



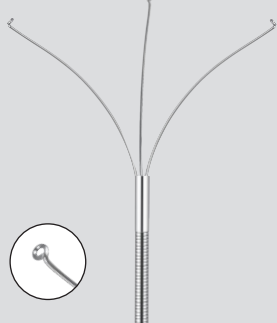
Reusable Grasping Forceps(Rat Tooth Type) AUTOCLAVABLE132°C270°F				
Opening Width: 5mm(Ø1.8) 7mm(Ø2.4) 	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-1807GI	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
	AF-1810GI	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-1815GI	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
	AF-1825GI	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
	AF-2415GI	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
	AF-2417GI	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
	AF-2421GI	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
	AF-2423GI	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Rat tooth for flat and hard objects (e.g.coins).				

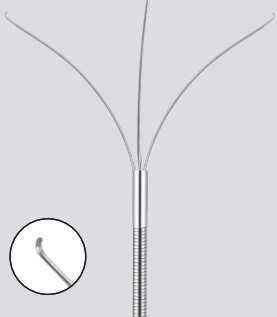
Reusable Grasping Forceps(Rat Tooth With Alligator Jaws Type) AUTOCLAVABLE132°C270°F				
Opening Width: 5.5mm(Ø1.8) 6mm(Ø2.4) 	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-1807GJ	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
	AF-1810GJ	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-1815GJ	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
	AF-1825GJ	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
	AF-2415GJ	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
	AF-2417GJ	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
	AF-2421GJ	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
	AF-2423GJ	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Sharp tooth, long jaws for difficult retrieval of flat and hard objects.				

Reusable Grasping Forceps(Alligator Jaws Type) AUTOCLAVABLE132°C270°F				
Opening Width: 7mm(Ø1.8) 8.5mm(Ø2.4) 	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-1807GH	Ø1.8x700mm	≥Ø2.0mm	Choledochoscopy
	AF-1810GH	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
	AF-1815GH	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy
	AF-1825GH	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
	AF-2415GH	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
	AF-2417GH	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
	AF-2421GH	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
	AF-2423GH	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy
Alligator jaws for sharp edged objects.				

Reusable Grasping Forceps(Pelican Type)				
AUTOCLAVABLE132°C270°F				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	Opening Width: 8mm(Ø1.8) 15mm(Ø2.4) 
AF-1807GK	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy	
AF-1810GK	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy	
AF-1815GK	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy	
AF-1825GK	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy	
AF-2415GK	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy	
AF-2417GK	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy	
AF-2421GK	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy	
AF-2423GK	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy	
For big objects. Opening width: 15mm.				

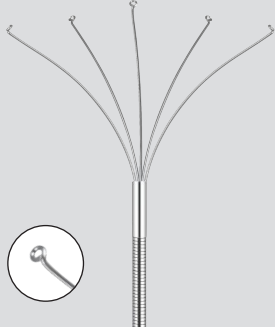
Reusable Grasping Forceps(Rubber Tips Type)				
AUTOCLAVABLE132°C270°F				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	Opening Width: 7mm(Ø1.8) 10mm(Ø2.4) 
AF-1810GM102-R	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815GM102-R	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-2415GM102-R	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy	
AF-2417GM102-R	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GM102-R	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423GM102-R	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	
Rubber tips for grasping slippery, flat or sharp fine objects.(E.g.needle, fine wires)				

Reusable Grasping Forceps(3-Prong Type) AUTOCLAVABLE132°C270°F				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-1807GM103	Ø1.8x700mm	≥Ø2.0mm	Choledochscopy	
AF-1810GM103	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815GM103	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-2416GM103	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-2417GM103	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GM103	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423GM103	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

Reusable Grasping Forceps(3-Prong Hook Type) AUTOCLAVABLE132°C270°F				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-1807GM103-H	Ø1.8x700mm	≥Ø2.0mm	Choledochscopy	
AF-1810GM103-H	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy	
AF-1815GM103-H	Ø1.8x1500mm	≥Ø2.0mm	Gastroscopy	
AF-2416GM103-H	Ø2.4x1600mm	≥Ø2.8mm	Gastroscopy	
AF-2417GM103-H	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy	
AF-2421GM103-H	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy	
AF-2423GM103-H	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy	

Reusable Grasping Forceps(5-Prong Type)

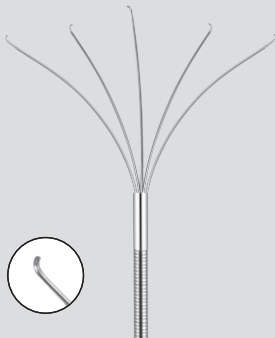
AUTOCLAVABLE
132°C
270°F



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-1807GM105	Ø1.8x700mm	≥ Ø2.0mm	Choledochscopy
AF-1810GM105	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-1815GM105	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
AF-2416GM105	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-2417GM105	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421GM105	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423GM105	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Reusable Grasping Forceps(5-Prong Hook Type)

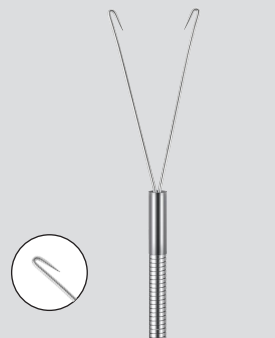
AUTOCLAVABLE
132°C
270°F



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-1807GM105-H	Ø1.8x700mm	≥ Ø2.0mm	Choledochscopy
AF-1810GM105-H	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
AF-1815GM105-H	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
AF-2416GM105-H	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-2417GM105-H	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421GM105-H	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423GM105-H	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

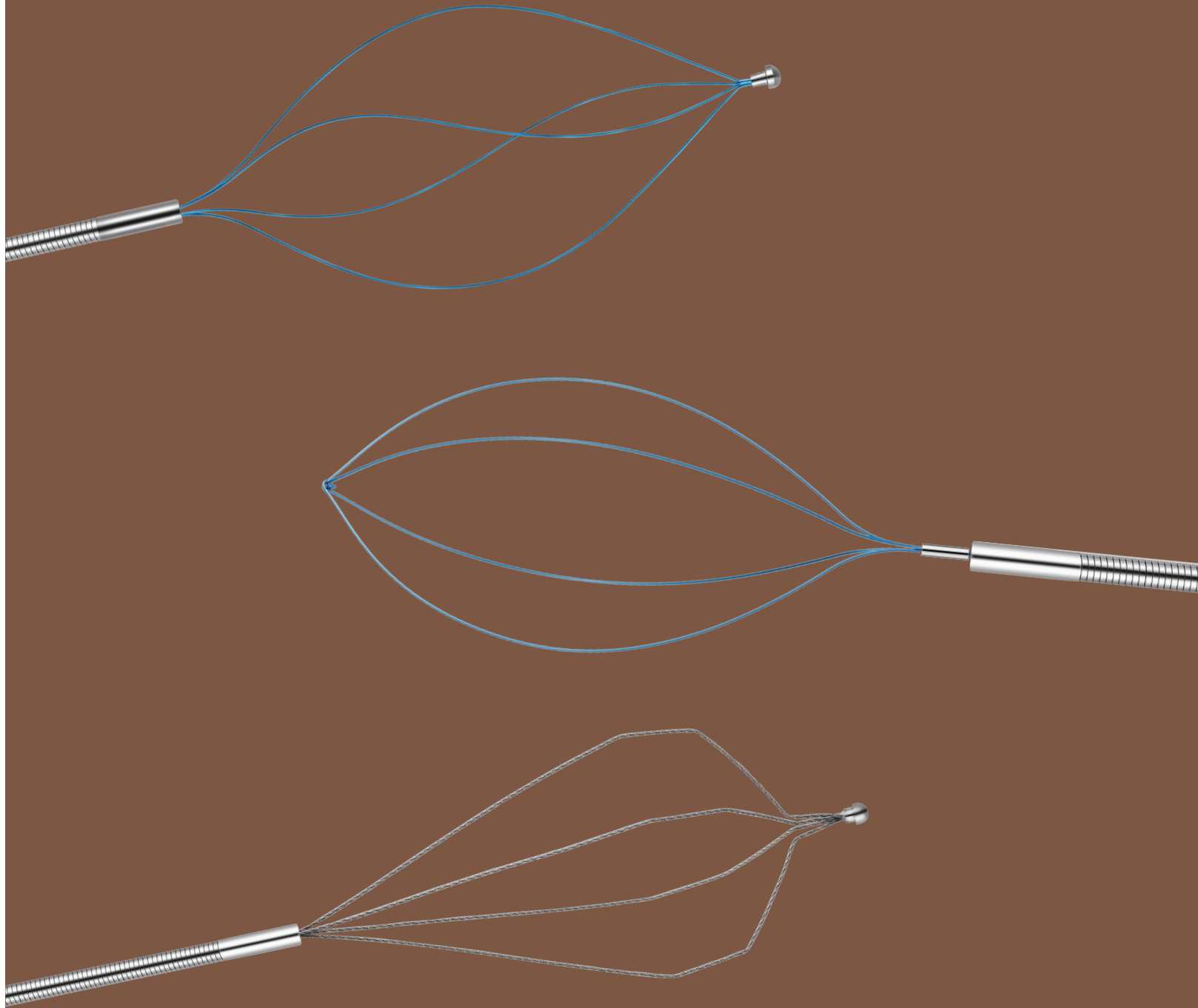
Reusable Grasping Forceps (2-Prong Type)

AUTOCLAVABLE
132°C
270°F



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-2416GZ102	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
AF-2417GZ102	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
AF-2421GZ102	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
AF-2423GZ102	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy

Reusable Retrieval Basket



Reusable Retrieval Basket(Fold Angular Basket Type, Stainless Steel)



Opening Width:
10/15/20mm(Ø1.8)
10/15/20/25/30/35mm(Ø2.4)



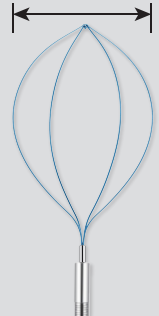
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-1807GL0	Ø1.8x700mm	≥Ø2.0mm	Choledochscopy
AF-1810GL0	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1816GL0	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-1825GL0	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415GL0	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
AF-2417GL0	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421GL0	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423GL0	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

For retrieval of round and slippery objects.

Reusable Retrieval Basket(Basket without Tip Type, Nitinol)



Opening Width:
10/15/20mm(Ø1.8)
10/15/20/25/30/35mm(Ø2.4)



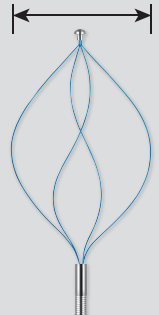
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-1807GL1	Ø1.8x700mm	≥Ø2.0mm	Choledochscopy
AF-1810GL1	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1816GL1	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-1825GL1	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415GL1	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
AF-2417GL1	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421GL1	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423GL1	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

For retrieval of round and slippery objects.

Reusable Retrieval Basket(Spirality Basket, Nitinol)



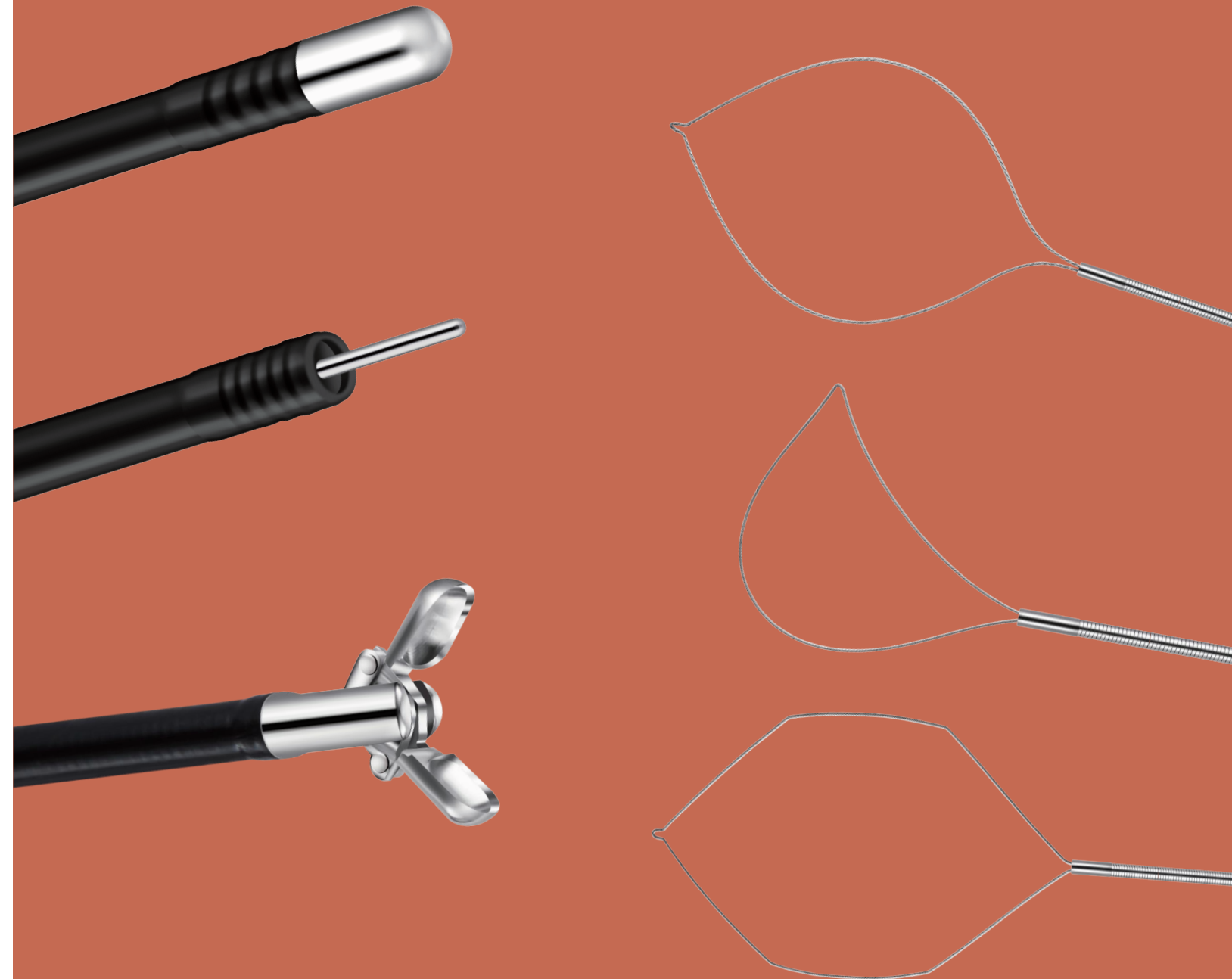
Opening Width:
10/15/20mm(Ø1.8)
10/15/20/25/30/35mm(Ø2.4)



Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
AF-1807GL2	Ø1.8x700mm	≥Ø2.0mm	Choledochscopy
AF-1810GL2	Ø1.8x1000mm	≥Ø2.0mm	Bronchoscopy
AF-1816GL2	Ø1.8x1600mm	≥Ø2.0mm	Gastroscopy
AF-1825GL2	Ø1.8x2500mm	≥Ø2.0mm	Enteroscopy
AF-2415GL2	Ø2.4x1500mm	≥Ø2.8mm	Gastroscopy
AF-2417GL2	Ø2.4x1700mm	≥Ø2.8mm	Gastroscopy
AF-2421GL2	Ø2.4x2100mm	≥Ø2.8mm	Colonoscopy
AF-2423GL2	Ø2.4x2300mm	≥Ø2.8mm	Colonoscopy

For retrieval of round and slippery objects.

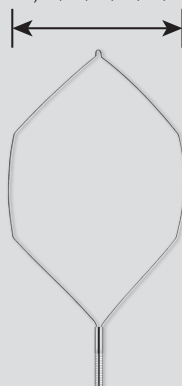
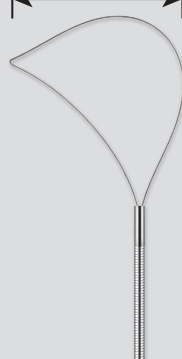
Reusable Electrosurgical Electrodes



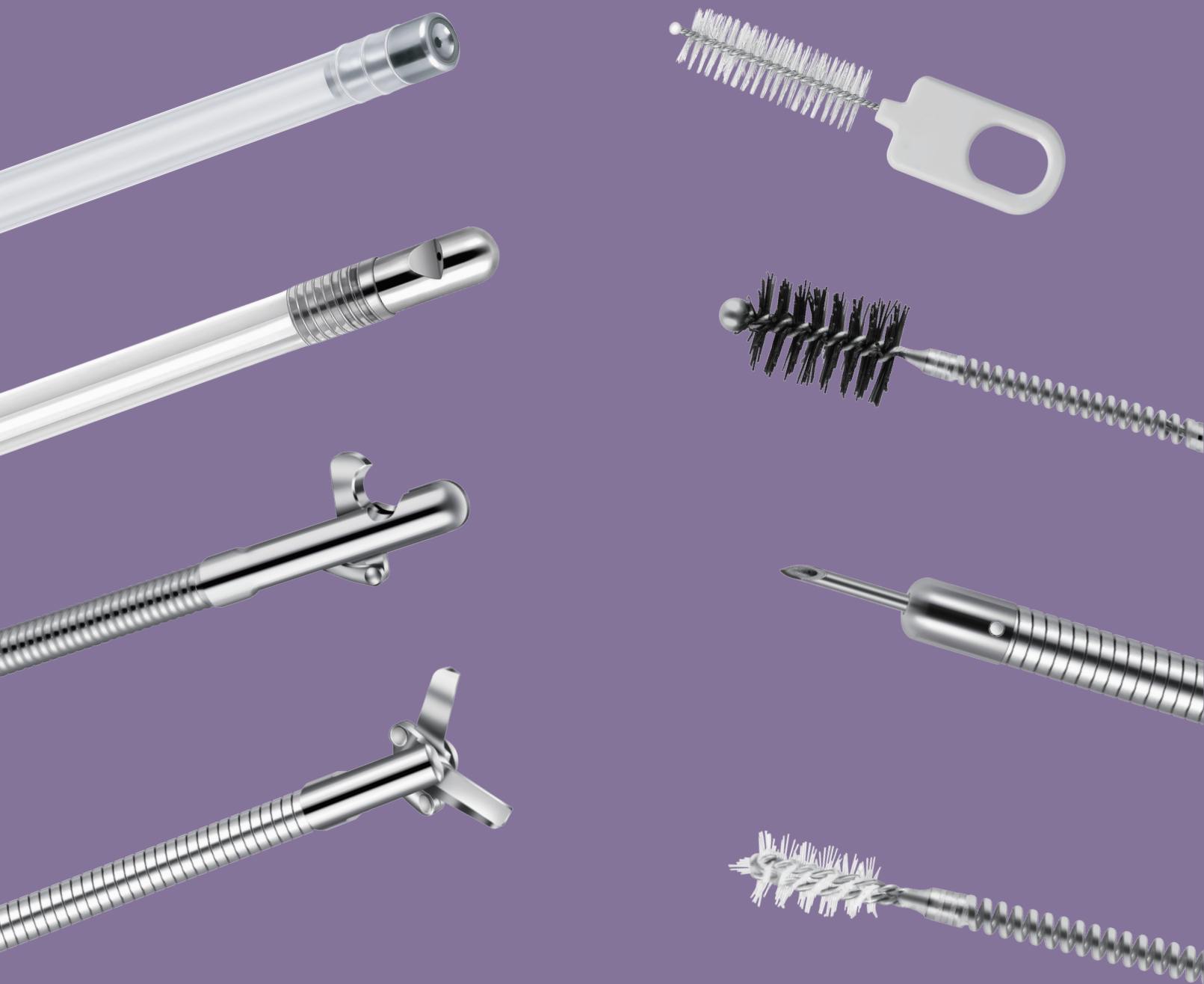
Reusable Needle Knife				
 Needle Length: 5mm	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-1810DZ	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
	AF-1815DZ	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
	AF-1825DZ	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy
	AF-2415DZ	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
	AF-2417DZ	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
	AF-2421DZ	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
	AF-2423DZ	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy
Cut tissue with high-frequency current. Standard set includes: one handle, two electrode wires.				

Reusable Coagulation Electrode				
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-1810DQ	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
	AF-1815DQ	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
	AF-1825DQ	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy
	AF-2415DQ	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
	AF-2417DQ	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
	AF-2421DQ	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
	AF-2423DQ	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy
For coagulation of blood vessels. Exchangeable coagulation tips. Standard set includes: one handle, eight electrode tips.				

Reusable Hot Biopsy Forceps				
 Opening Width: 5mm(Ø1.8) 7mm(Ø2.4)	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-1810DG	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
	AF-1815DG	Ø1.8x1500mm	≥ Ø2.0mm	Gastroscopy
	AF-1825DG	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy
	AF-2415DG	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
	AF-2417DG	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
	AF-2421DG	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
	AF-2423DG	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy
For cutting small polyps and coagulation of small vessels.				

Reusable Electrical Snare (Oval Type)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	Opening Width: (Ø1.8)10/15/20mm (Ø2.4)10/15/20/25/30/35mm 
AF-1810DT	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy	
AF-1816DT	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy	
AF-1825DT	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy	
AF-2416DT	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy	
AF-2421DT	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy	
AF-2423DT	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy	
Cut polyp with high-frequency current. It can be made rotatable. Standard set includes: one handle, two snares.				
Reusable Electrical Snare (Hexagonal Type)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	Opening Width: (Ø1.8)10/15/20mm (Ø2.4)10/15/20/25/30/35mm 
AF-1810DL	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy	
AF-1816DL	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy	
AF-1825DL	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy	
AF-2416DL	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy	
AF-2421DL	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy	
AF-2423DL	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy	
Cut polyp with high-frequency current. It can be made rotatable. Standard set includes: one handle, two snares.				
Reusable Electrical Snare (Half-Moon Type)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	Opening Width: (Ø1.8)10/15/20mm (Ø2.4)10/15/20/25/30/35mm 
AF-1810DB	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy	
AF-1816DB	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy	
AF-1825DB	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy	
AF-2416DB	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy	
AF-2421DB	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy	
AF-2423DB	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy	
Cut polyp with high-frequency current. It can be made rotatable. Standard set includes: one handle, two snares.				

Reusable Other Products



AUTOCLAVABLE 132°C 270°F Reusable Spray Catheters (Standard Type)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-1807PA	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy	
AF-1810PA	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy	
AF-1816PA	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy	
AF-1825PA	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy	
AF-2416PA	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy	
AF-2422PA	Ø2.4x2200mm	≥ Ø2.8mm	Colonoscopy	

AUTOCLAVABLE 132°C 270°F Reusable Spray Catheters (Fog Spray Type)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-1807PB	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy	
AF-1810PB	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy	
AF-1816PB	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy	
AF-1825PB	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy	
AF-2416PB	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy	
AF-2422PB	Ø2.4x2200mm	≥ Ø2.8mm	Colonoscopy	

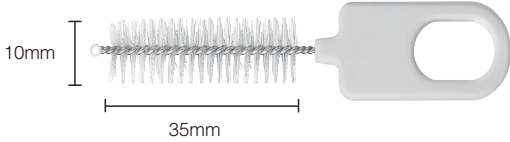
AUTOCLAVABLE 132°C 270°F Reusable Spray Catheter (Back Spray Type)				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-1807PC	Ø1.8x700mm	≥ Ø2.0mm	Choledochoscopy	
AF-1810PC	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy	
AF-1816PC	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy	
AF-1825PC	Ø1.8x2500mm	≥ Ø2.0mm	Enteroscopy	
AF-2416PC	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy	
AF-2422PC	Ø2.4x2200mm	≥ Ø2.8mm	Colonoscopy	

Reusable Cytology Brushes				
Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use	
AF-1810WB	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy	
AF-1816WB	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy	
AF-2416WB	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy	
AF-2423WB	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy	

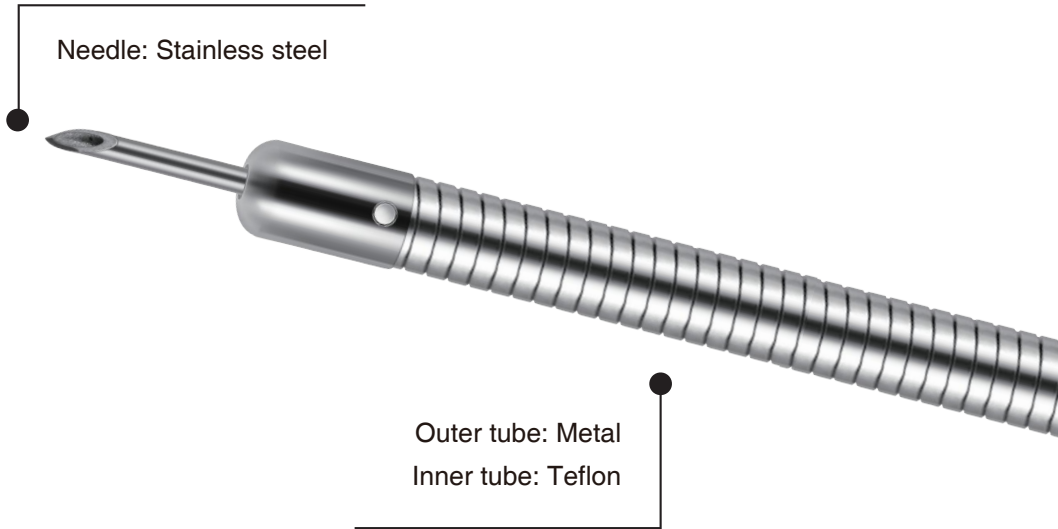
Reusable Scissors				AUTOCLAVABLE 132°C 270°F
Opening Width: 5.5mm(Ø1.8) 6mm(Ø2.4) 	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-2415GO101	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
	AF-2417GO101	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
	AF-2421GO101	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
	AF-2423GO101	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy
Applicable to the biopsy under the endoscope.				

Reusable Half-Scissors				AUTOCLAVABLE 132°C 270°F
	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-2415GO102	Ø2.4x1500mm	≥ Ø2.8mm	Gastroscopy
	AF-2417GO102	Ø2.4x1700mm	≥ Ø2.8mm	Gastroscopy
	AF-2421GO102	Ø2.4x2100mm	≥ Ø2.8mm	Colonoscopy
	AF-2423GO102	Ø2.4x2300mm	≥ Ø2.8mm	Colonoscopy
To shear the remnant part of the ligature after ligation.				

Reusable Cleaning Brushes				
(Ø1.8) 4mm (Ø2.4) 6mm  7mm	Item No.	Tube Diameter & Working Length	Working Channel Diameter	Scope Of Use
	AF-1810WA301	Ø1.8x1000mm	≥ Ø2.0mm	Bronchoscopy
	AF-1816WA301	Ø1.8x1600mm	≥ Ø2.0mm	Gastroscopy
	AF-2416WA301	Ø2.4x1600mm	≥ Ø2.8mm	Gastroscopy
	AF-2422WA301	Ø2.4x2200mm	≥ Ø2.8mm	Colonoscopy

Reusable Port Hole Cleaning Brushes	
 10mm 35mm	Item No. AF-1004WA303

AUTOCLAVABLE 132°C 270°F	Reusable Injection Needle
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Item No.	Tube Diameter & Working Length	Working Channel Diameter	Needle Length	Needle Diameter	Scope Of Use
AF-1807PN****	Ø1.8x700mm	≥ Ø2.0mm	4/5mm	23/25G	Choledochscopy
AF-1810PN****	Ø1.8x1000mm	≥ Ø2.0mm	4/5/6mm	23/25G	Bronchoscopy
AF-1816PN****	Ø1.8x1600mm	≥ Ø2.0mm	4/5/6mm	23/25G	Gastroscopy
AF-2416PN****	Ø2.4x1600mm	≥ Ø2.8mm	4/5/6mm	21/23/25G	Gastroscopy
AF-2422PN****	Ø2.4x2200mm	≥ Ø2.8mm	4/5/6mm	21/23/25G	Colonoscopy

AF- **** PN ** **

Needle Length

Needle Diameter

Tube Diameter & Working Length