

# Disposable Grasping Forceps

## IFU

(Please read this manual carefully before usage)

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C/0	8 <sup>th</sup> Oct.2006	Created	Hongbiao LOU	Changhui HE
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C/2	4 <sup>th</sup> Aug.2021	Update	Vivian LI	Jianwen LU

## Instruction for Use

Europe authorized representative

Shanghai International Holding Corp. GmbH (Europe)

Add: Eiffestrasse 80, 20537 Hamburg, Germany

Tel: +49-40-2513175

Fax: +49-40-255726

Dimdi No.: DE/0000040627

E-mail: shholding@hotmail.com



Alton (Shanghai) Medical Instruments Co., Ltd

Address: No. 24 Building, JinShao Rd. 1688, Baoshan District, 200949 Shanghai,  
PEOPLE'S REPUBLIC OF CHINA

Tel: +86 21 5677 8511

Fax: +86 21 6630 7823



Dear customer:

Thank you for using our products. Please read the manual carefully before you use our products so that you can use and maintain the products accurately.

### 1. Application

The disposable grasping forceps and the rotated models are the important and common-used accessories of alimentary canal scope diagnosis and therapy. This kind of forceps and the rotated model can grasp and smash eyewinker in coelom, extirpate alimentary canal polypi, such as large intestine polypi, coin, and fishbone with different foreign body to use different head types under relevant endoscope.

The disposable grasping forceps is composed of head, tube and handle. The head of disposable grasping forceps have 18 different types suffix with GI, GJ, GK, GH, GM103, GM103-H, GM105, GM105-H, GM102, GL0, GL1, GL2, GL3, GL4, GL5, GL-1, GL-2, GW, and DC-2, they are including:

- Rat Tooth type: GI models
- Rat Tooth with Alligator type: GJ models
- Pelican type: GK models
- Alligator type: GH models
- 3-Prong type: GM103 models
- 3-Prong Hook type: GM103-H models

- 5-Prong type: GM105 models
- 5-Prong Hook type: GM105-H models
- 2-Prong type: GM102 models
- Fold Angular Basket type, Stainless Steel: GL0 models
- Basket without Tip type, Nitinol: GL1 models
- Spirality Basket type, Nitinol: GL2 models
- Spirality Basket type, Stainless Steel: GL3 models
- Basket with Tip type, Nitinol: GL4 models
- Basket with Tip type, Stainless Steel: GL5 models
- ERCP Basket Type, GL-1 and GL-2 models
- Snare with bag type: GW models
- Cold Snare type: DC-2 models

(The opening width of all GL and DC-2 types can be selected by clinical operators, from 5 mm to 50 mm; See the “Table 1” model list of disposable grasping forceps attached)

**Table 1: The model list of disposable grasping forceps**

No	Product Name	Model Name	Size
1	Disposable Grasping Forceps (Rat Tooth Type)	AF-D1807GI	Φ1.8×700mm
		AF-D1810GI	Φ1.8×1000mm
		AF-D1812GI	Φ1.8×1200mm
		AF-D1815GI	Φ1.8×1500mm
		AF-D1816GI	Φ1.8×1600mm
		AF-D2416GI	Φ2.4×1600mm
		AF-D2418GI	Φ2.4×1800mm
		AF-D2421GI	Φ2.4×2100mm
		AF-D2423GI	Φ2.4×2300mm
2	Disposable Grasping Forceps (Rat Tooth With Alligator Type)	AF-D1810GJ	Φ1.8×1000mm
		AF-D1812GJ	Φ1.8×1200mm
		AF-D1815GJ	Φ1.8×1500mm
		AF-D1816GJ	Φ1.8×1600mm
		AF-D2416GJ	Φ2.4×1600mm
		AF-D2418GJ	Φ2.4×1800mm
		AF-D2421GJ	Φ2.4×2100mm
		AF-D2423GJ	Φ2.4×2300mm
3	Disposable Grasping Forceps (Pelican Type)	AF-D1810GK	Φ1.8×1000mm
		AF-D1812GK	Φ1.8×1200mm
		AF-D1815GK	Φ1.8×1500mm
		AF-D1816GK	Φ1.8×1600mm
		AF-D2416GK	Φ2.4×1600mm
		AF-D2418GK	Φ2.4×1800mm
		AF-D2421GK	Φ2.4×2100mm
		AF-D2423GK	Φ2.4×2300mm

4	Disposable Grasping Forceps (Alligator Type)	AF-D1810GH	Φ1.8×1000mm
		AF-D1812GH	Φ1.8×1200mm
		AF-D1815GH	Φ1.8×1200mm
		AF-D1816GH	Φ1.8×1600mm
		AF-D2416GH	Φ2.4×1600mm
		AF-D2418GH	Φ2.4×1800mm
		AF-D2421GH	Φ2.4×2100mm
		AF-D2423GH	Φ2.4×2300mm
5	Disposable Grasping Forceps (3-Prong Type)	AF-D1807GM103	Φ1.8×700mm
		AF-D1810GM103	Φ1.8×1000mm
		AF-D1812GM103	Φ1.8×1200mm
		AF-D1815GM103	Φ1.8×1500mm
		AF-D1825GM103	Φ1.8×2500mm
		AF-D2416GM103	Φ2.4×1600mm
		AF-D2417GM103	Φ2.4×1700mm
		AF-D2418GM103	Φ2.4×1800mm
		AF-D2421GM103	Φ2.4×2100mm
		AF-D2423GM103	Φ2.4×2300mm
6	Disposable Grasping Forceps (3-Prong Hook Type)	AF-D1807GM103-H	Φ1.8×700mm
		AF-D1810GM103-H	Φ1.8×1000mm
		AF-D1812GM103-H	Φ1.8×1200mm
		AF-D1815GM103-H	Φ1.8×1500mm
		AF-D1825GM103-H	Φ1.8×2500mm
		AF-D2416GM103-H	Φ2.4×1600mm
		AF-D2417GM103-H	Φ2.4×1700mm
		AF-D2418GM103-H	Φ2.4×1800mm
		AF-D2421GM103-H	Φ2.4×2100mm
		AF-D2423GM103-H	Φ2.4×2300mm
7	Disposable Grasping Forceps (5-Prong Type)	AF-D1807GM105	Φ1.8×700mm
		AF-D1810GM105	Φ1.8×1000mm
		AF-D1812GM105	Φ1.8×1200mm
		AF-D1815GM105	Φ1.8×1500mm
		AF-D1825GM105	Φ1.8×2500mm
		AF-D2416GM105	Φ2.4×1600mm
		AF-D2417GM105	Φ2.4×1700mm
		AF-D2418GM105	Φ2.4×1800mm
		AF-D2421GM105	Φ2.4×2100mm
		AF-D2423GM105	Φ2.4×2300mm
8	Disposable Grasping Forceps (5-Prong Hook Type)	AF-D1807GM105-H	Φ1.8×700mm
		AF-D1810GM105-H	Φ1.8×1000mm
		AF-D1812GM105-H	Φ1.8×1200mm
		AF-D1815GM105-H	Φ1.8×1500mm
		AF-D1825GM105-H	Φ1.8×2500mm

		AF-D2416GM105-H	Φ2.4×1600mm
		AF-D2417GM105-H	Φ2.4×1700mm
		AF-D2418GM105-H	Φ2.4×1800mm
		AF-D2421GM105-H	Φ2.4×2100mm
		AF-D2423GM105-H	Φ2.4×2300mm
9	Disposable Grasping Forceps (2-Prong Type)	AF-D1807GM102	Φ1.8×700mm
		AF-D1810GM102	Φ1.8×1000mm
		AF-D1812GM102	Φ1.8×1200mm
		AF-D1815GM102	Φ1.8×1500mm
		AF-D2416GM102	Φ2.4×1600mm
		AF-D2417GM102	Φ2.4×1700mm
		AF-D2418GM102	Φ2.4×1800mm
		AF-D2421GM102	Φ2.4×2100mm
		AF-D2423GM102	Φ2.4×2300mm
10	Disposable Grasping Forceps (Fold Angular Basket Type, Stainless Steel)	AF-D1807GL0	Φ1.8×700mm
		AF-D1810GL0	Φ1.8×1000mm
		AF-D1812GL0	Φ1.8×1200mm
		AF-D1815GL0	Φ1.8×1500mm
		AF-D1816GL0	Φ1.8×1600mm
		AF-D1825GL0	Φ1.8×2500mm
		AF-D2415GL0	Φ2.4×1500mm
		AF-D2417GL0	Φ2.4×1700mm
		AF-D2418GL0	Φ2.4×1800mm
		AF-D2421GL0	Φ2.4×2100mm
		AF-D2423GL0	Φ2.4×2300mm
11	Disposable Grasping Forceps (Basket Without Tip Type, Nitinol)	AF-D1007GL1	Φ1.0×700mm
		AF-D1010GL1	Φ1.0×1000mm
		AF-D1012GL1	Φ1.0×1200mm
		AF-D1807GL1	Φ1.8×700mm
		AF-D1810GL1	Φ1.8×1000mm
		AF-D1812GL1	Φ1.8×1200mm
		AF-D1815GL1	Φ1.8×1500mm
		AF-D1816GL1	Φ1.8×1600mm
		AF-D1825GL1	Φ1.8×2500mm
		AF-D2415GL1	Φ2.4×1500mm
		AF-D2417GL1	Φ2.4×1700mm
		AF-D2418GL1	Φ2.4×1800mm
		AF-D2421GL1	Φ2.4×2100mm
		AF-D2423GL1	Φ2.4×2300mm
12	Disposable Grasping Forceps (Spirality Basket Type, Nitinol)	AF-D1007GL2	Φ1.0×700mm
		AF-D1010GL2	Φ1.0×1000mm
		AF-D1012GL2	Φ1.0×1200mm
		AF-D1807GL2	Φ1.8×700mm

		AF-D1810GL2	Φ1.8×1000mm
		AF-D1812GL2	Φ1.8×1200mm
		AF-D1815GL2	Φ1.8×1500mm
		AF-D1816GL2	Φ1.8×1600mm
		AF-D1825GL2	Φ1.8×2500mm
		AF-D2415GL2	Φ2.4×1500mm
		AF-D2417GL2	Φ2.4×1700mm
		AF-D2418GL2	Φ2.4×1800mm
		AF-D2421GL2	Φ2.4×2100mm
		AF-D2423GL2	Φ2.4×2300mm
13	Disposable Grasping Forceps (Spirality Basket Type, Stainless Steel)	AF-D1007GL3	Φ1.0×700mm
		AF-D1010GL3	Φ1.0×1000mm
		AF-D1012GL3	Φ1.0×1200mm
		AF-D1807GL3	Φ1.8×700mm
		AF-D1810GL3	Φ1.8×1000mm
		AF-D1812GL3	Φ1.8×1200mm
		AF-D1815GL3	Φ1.8×1500mm
		AF-D1816GL3	Φ1.8×1600mm
		AF-D1825GL3	Φ1.8×2500mm
		AF-D2415GL3	Φ2.4×1500mm
		AF-D2417GL3	Φ2.4×1700mm
		AF-D2418GL3	Φ2.4×1800mm
		AF-D2421GL3	Φ2.4×2100mm
		AF-D2423GL3	Φ2.4×2300mm
14	Disposable Grasping Forceps (Basket With Tip Type, Nitinol)	AF-D1007GL4	Φ1.0×700mm
		AF-D1010GL4	Φ1.0×1000mm
		AF-D1012GL4	Φ1.0×1200mm
15	Disposable Grasping Forceps (Basket With Tip Type, Stainless Steel)	AF-D1007GL5	Φ1.0×700mm
		AF-D1010GL5	Φ1.0×1000mm
		AF-D1012GL5	Φ1.0×1200mm
16	Disposable Grasping Forceps (ERCP Basket Type)	AF-D2419GL-1	Φ2.4×1900mm, single lumen
		AF-D2421GL-1	Φ2.4×1900mm, single lumen
		AF-D2419GL-2	Φ2.4×2100mm, double lumen
		AF-D2421GL-2	Φ2.4×2100mm, double lumen
17	Disposable Grasping Forceps (Snare with bag Type)	AF-D1810GW	Φ1.8×1000mm
		AF-D1812GW	Φ1.8×1200mm
		AF-D1815GW	Φ1.8×1500mm
		AF-D1816GW	Φ1.8×1600mm
		AF-D2415GW	Φ2.4×1500mm
		AF-D2417GW	Φ2.4×1700mm
		AF-D2418GW	Φ2.4×1800mm
		AF-D2421GW	Φ2.4×2100mm
		AF-D2423GW	Φ2.4×2300mm

18	Disposable Grasping Forceps (Cold Snare Type, without clip for electrode connection)	AF-D1810DC-2	Φ1.8×1000mm
		AF-D1812DC-2	Φ1.8×1200mm
		AF-D1815DC-2	Φ1.8×1500mm
		AF-D1816DC-2	Φ1.8×1600mm
		AF-D1825DC-2	Φ1.8×2500mm
		AF-D2416DC-2	Φ2.4×1600mm
		AF-D2418DC-2	Φ2.4×1800mm
		AF-D2421DC-2	Φ2.4×2100mm
		AF-D2423DC-2	Φ2.4×2300mm

- **The grasping forceps must only be used under the endoscope!**
- **These instruments are not designed for other applications!**
- **Damaged instruments must not be used!**

These instructions are intended to assist the user in using the device as intended, to describe their use and thus provide a higher degree of safety for the patient.

## 2. Design

**Alton (Shanghai) Medical Instrument Co., Ltd** supplies various designs of disposable grasping forceps for various applications. Information on the range of sizes available may be obtained directly from us.

## 3. Before usage

The user should study these instructions carefully before using the grasping forceps. The functional principles and handling must be completely understood.

In addition, the user must inspect the instrument for defects and damage, after removing it from the pack. If damage or defects are detected in this inspection, the instrument must not be used on the patient and must immediately be returned to **Alton (Shanghai) Medical Instrument Co., Ltd** for inspection by an expert.

**Please note that you do not need to exert much force on the handle, in order to carry out the foreign bodies. The amount of strength to be used is the equivalent of a gentle handshake.**

**Disposable grasping forceps are supplied sterile. The device must be inspected for damage before use. Only undamaged grasping forceps can be used! The instrument must only be used once.**

## 4. Warnings and Cautions

- a. Keep away from moisture;

- b. The sterilization or the tolerance of the products may not be enough, patients may have risks of being infected or being harm by the re-using or re-processing products, please use it only once;
- c. After use, dispose of products and packaging in accordance with hospital, administrative and/or local government policies.
- d. The size of 2.4 mm products require an endoscope with a minimum working channel of 2.8 mm. The size 1.8 mm products require an endoscope with a minimum working channel of 2.0 mm

## 5. Contraindication

- a. Required by professional operators to use this device;
- b. Do not use this device to treat patients in any of situations if may be at risk for their life's;
- c. To avoid any of unsafe situations for patients while using this device as far as possible.

## 6. Handling

### 6.1 Introducing the grasping forceps into the endoscope.

Grasping forceps must only be introduced into the operating channel of the endoscope with **forceps jaws closed**. For this, appropriate diameters of the forceps and operating channels must be considered (see Product Catalogue).

### 6.2 Intended use

The disposable grasping forceps, grippers and baskets are used to remove foreign bodies from the human body.

This kind of forceps and the rotated model can grasp and smash eyewinker in coelom, extirpate alimentary canal polypi, such as small or large intestine polypi, coin, and fishbone with different foreign body to use different head types under relevant endoscope.

The patient populations: for adults only.

### 6.3 Products structure

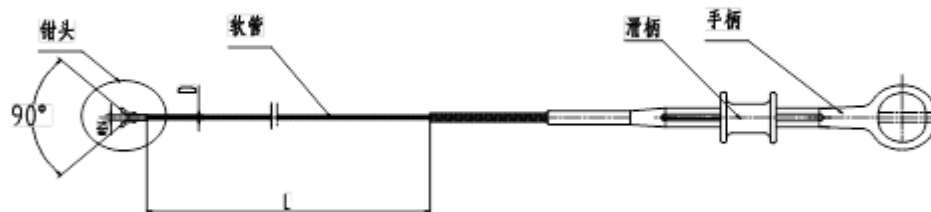
The disposable grasping forceps is composed of head, tube and handle. The head of disposable grasping forceps have different head types, including: Rat Tooth type, Rat Tooth with Alligator type, Pelican type, Alligator type, 3-Prong type, 3-Prong Hook type, 5-Prong type, 5-Prong Hook type, 2-Prong type, Fold Angular Basket type, Basket without Tip type (Nitinol), Spirality Basket type (Nitinol), Spirality Basket type (Nitinol), Spirality Basket type (Stainless Steel), Basket with Tip type (Nitinol), Basket with Tip



type (Stainless Steel), Snare with bag type and Cold Snare type.

Please see figure 1.

Figure1: Components of the disposable grasping forceps



Note: components from the left to the right are:

1. Forceps head,
2. The tube,
3. The clamp ring, and
4. The hand holder

#### 6.4 The material of disposable grasping forceps

Refer to the Table 2:

**Table 2: The material of Disposable Grasping Forceps**

No.	Product components	Material	Materials of body contact (Yes/No)
1	Head	stainless steel, or Nitinol (only for selected Basket Type)	Yes
2	Tube	Inner: stainless steel wire	No
		Outer: PTFE	Yes
3	Bend protection	PTFE	No
4	Handle	ABS	No

#### 6.5 Operation and Principle

- 6.5.1 Position the distal end of the instrument in front of the foreign body.
- 6.5.2 Push it to the movable part of the handle forward until the instrument is completely open.
- 6.5.3 Now slide the distal end onto the foreign body and close the instrument by pulling back the movable part of the handle.
- 6.5.4 Carefully remove the instrument and the foreign body, with the branches closed, from the endoscope

## 7. Instructions for Storage

During storage, the grasping forceps may not have a minimum diameter of less than 20 cm when wound up.

**Do not lay any objects on top of the grasping forceps or their packaging!**  
**Do not store the grasping forceps in the vicinity of aggressive chemicals!**  
**Do not expose the grasping forceps to direct or indirect sunlight, to other UV rays or to X-ray radiation!**

Incorrect storage of the instruments invalidates any claims.

## 8. Sterilization

The disposable grasping forceps are delivered sterilized by ETO gas. After use, it is not possible to prepare them again! The instrument must only be used once.

## 9. Period of sterilization validity is for three years

## 10. User

The user of the instrument by **Alton (Shanghai) Medical Instrument Co., Ltd** must be specialized in the area of endoscopy. Operators should have received special training in the handling and preparation of the endoscopy instruments.

## 11. Dispatches for repair and claims

In the interest of our employees' health, only sterilised or disinfected instruments will be accepted as returns. They should be labelled as such; otherwise they cannot be handled further.

## 12. Legal Foundation

The Law of the European Union is applied.












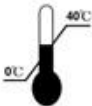

## 13. Product Support

In case of questions or difficulties concerning our instruments please contact your distributor or the **Alton (Shanghai) Medical Instrument Co., Ltd** directly during regular working hours.

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**Date: 2021.8.4**

## 14. Symbols List

NO.	Description	Symbols on labels
1	CATALOGUE NUMBER	
2	MANUFACTURER	
3	DATE OF MANUFACTURE	
4	USE BY	
5	BATCH CODE	
6	STERILIZED USING ETHYLENE OXIDE	
7	DO NOT REUSE	
8	AUTHORISED REPRESENTATIVE IN THE EUROPEAN COMMUNITY	
9	Notified body number	
10	KEEP DRY	
11	KEEP AWAY FROM SUNLIGHT	
12	TEMPERATURE LIMITATION	
13	DO NOT USE IF PACKAGE IS DAMAGED	
14	CONSULT INSTRUCTIONS FOR USE	