



ERCP

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Milestones in ERCP in Germany

Plastic stent
in the bile duct

Prof. Soehendra, 1979

Development of the Erlangen sphincterotome,
endoscopic papillotomy and stone extraction

Prof. Demling and Prof. Classen, 1973

Cannulation of the bile duct

Prof. Demling and Prof. Classen, 1970

Interview with Professor Allescher, chief physician at the Internal Medicine Centre, Garmisch-Partenkirchen Hospital

Professor Allescher, how in your view have requirements for ERCP and accessories changed between the 1970s and 1980s and the present day?

ERCP and especially the surroundings have seen ongoing technological progress. Diagnostic ERCP as an indication has virtually disappeared and therapeutic indications have become more plannable on account of EUS and MRCP. Interventional options have improved and cholangioscopy is more widely available, even though many of the fundamental technical issues, such as lack of stability in front of the papilla or the exploration of complex stenoses, are still obstructive to therapeutic applications.

What are the success factors for safe exploration?

The most important factors are the position in relation to the papilla and use of a procedure that is carefully planned and structured. With a standardised procedure (intravenous NSAID administration, CO₂, guide wire, protective stenting of the pancreatic duct) it is possible to systematically minimise complications.

Mechanical Lithotripter

Prof. Riemann and Prof. Demling,
1982



What are your experiences of stone removers? What has proved successful in practice?

On account of in-line EUS it is usually possible to identify the stone at an early stage and prepare for its shape and size. In a state-of-the-art basket, small stones are easy to trap and can usually be extracted. Personally I prefer baskets to stone extraction balloons. It is important to make sure the stone is left in the distal common hepatic duct and not displaced towards proximal with the basket. To reliably position the stone distal to the basket wires it is sometimes advisable to irrigate the catheter slightly.

What properties should a lithotripter have in your view?

In the case of large stones, planned lithotripsy can normally be performed effectively and without any complications. State-of-the-art lithotripsy systems are easy to use and are normally unproblematic in a team with plenty of practice. The problematic cases are unplanned stones and ones that are very hard which cannot be extracted and cannot be pulverised with standard lithotripsy equipment. In such cases emergency strategies have to be defined if the basket, or even the emergency lithotripter, becomes detached.

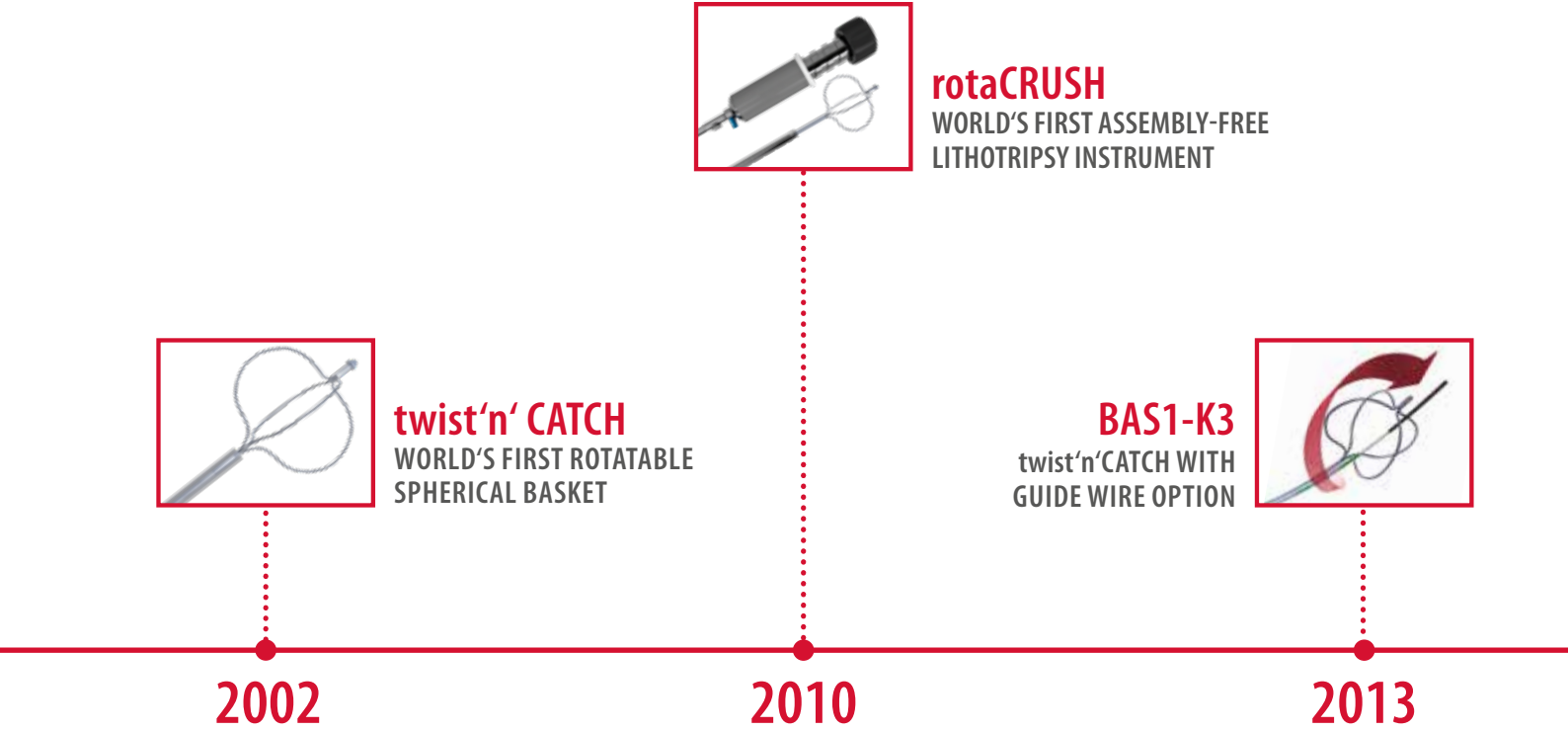
Are you able to provide an outlook as to what future customer requirements will be in the field of stone management?

Lithotripsy can be successfully used for crushing in over 95% of cases. Controlled, predetermined breaking points (using pressure gauges or other force indicators) could predict and avoid detachment of the basket. Alternative integrated systems in the basket (integrated laser or EHL probe in the sheath, etc.) could then further facilitate a successful outcome with these few problematic stones by means of a combination.



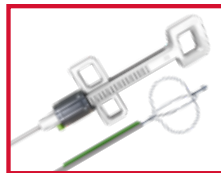
Prof. Dr. med. Hans-Dieter Allescher
Chief physician at Garmisch-Partenkirchen Hospital

Milestones in ERCP from medwork





ROCKSTAR
WORLD'S FIRST ASSEMBLY-FREE
LITHOTRIPSY STONE CATCHER



KENA
WORLD'S FIRST PLACEMENT SYSTEM
FOR 8.5 AND 10 FR PROSTHESES



2016

2018



Sphincterotomes

Smooth cannulation performance
by Micro-Tip⁺-Design

Precise tip control

Safe guide wire exchange

AXS_tome⁺



When precision matters most

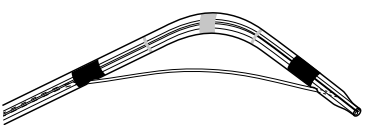
AXS_tome⁺ offers you reliable orientation as well as soft and gentle probing thanks to its improved Micro-Tip⁺ design.

A user-friendly short wire port and optimized X-ray visibility make AXS_tome⁺ the ultimate in safe and efficient handling.

Available as of January 2020



AXS_tome⁺ Sphincterotomes (3 lumen)

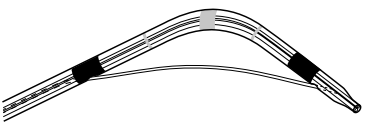


Product Code	Order No.	Characteristics	Cutting Length	Tip ø Length	Accepted Guide Wire	ø Working Channel	Unit
PAP1-D7-20-35	502571	Micro-Tip ⁺ , CWT	20 mm	4.2 Fr 5 mm	.035"	2.8 mm	5
PAP1-D7-25-35	502572	Micro-Tip ⁺ , CWT	25 mm	4.2 Fr 5 mm	.035"	2.8 mm	5
PAP1-D7-30-35	502573	Micro-Tip ⁺ , CWT	30 mm	4.2 Fr 5 mm	.035"	2.8 mm	5
PAP1-D8-20-35	502574	Micro-Tip ⁺ , monofil, rotatable	20 mm	4.2 Fr 5 mm	.035"	2.8 mm	5
PAP1-D8-25-35	502575	Micro-Tip ⁺ , monofil, rotatable	25 mm	4.2 Fr 5 mm	.035"	2.8 mm	5
PAP1-D8-30-35	502576	Micro-Tip ⁺ , monofil, rotatable	30 mm	4.2 Fr 5 mm	.035"	2.8 mm	5
PAP1-P8-25-35	502577	Micro-Tip ⁺ , monofil, insulated cutting wire (ProCut), rotatable	12.5 12.5 mm proximal insulated	4.2 Fr 5 mm	.035"	2.8 mm	5
PAP1-P8-30-35	502578	Micro-Tip ⁺ , monofil, insulated cutting wire (ProCut), rotatable	15 15 mm proximal insulated	4.2 Fr 5 mm	.035"	2.8 mm	5

Available as of January 2020



AXS_tome⁺ Sphincterotomes for **easyCure**® (3 lumen)



Product Code	Order No.	Characteristics	Cutting Length	Tip ø Length	Accepted Guide Wire	ø Working Channel	Unit
PAP1-Q7-20-35	502579	Micro-Tip ⁺ , CWT	20 mm	4.2 Fr 5 mm	.035"	3.8 mm	5
PAP1-Q7-25-35	502580	Micro-Tip ⁺ , CWT	25 mm	4.2 Fr 5 mm	.035"	3.8 mm	5
PAP1-Q7-30-35	502581	Micro-Tip ⁺ , CWT	30 mm	4.2 Fr 5 mm	.035"	3.8 mm	5
PAP1-S8-20-35	502582	Micro-Tip ⁺ , monofil, rotatable	20 mm	4.2 Fr 5 mm	.035"	3.8 mm	5
PAP1-S8-25-35	502583	Micro-Tip ⁺ , monofil, rotatable	25 mm	4.2 Fr 5 mm	.035"	3.8 mm	5
PAP1-S8-30-35	502584	Micro-Tip ⁺ , monofil, rotatable	30 mm	4.2 Fr 5 mm	.035"	3.8 mm	5
PAP1-T8-25-35	502585	Micro-Tip ⁺ , monofil, insulated cutting wire (ProCut), rotatable	12.5 12.5 mm proximal insulated	4.2 Fr 5 mm	.035"	3.8 mm	5
PAP1-T8-30-35	502586	Micro-Tip ⁺ , monofil, insulated cutting wire (ProCut), rotatable	15 15 mm proximal insulated	4.2 Fr 5 mm	.035"	3.8 mm	5

PD Dr. med. habil. Jochen Weigt Senior doctor at Magdeburg University Hospital



Handling is very important to me personally. With the superb haptic feedback I can feel how the sphincterotome tip and the wire respond. The sphincterotome is compact and its quality is excellent. It is comfortable to hold and perfect to control. Even after multiple angulation the AXS_tome resumes its original position. In our department we enjoy using it very much.

Sphincterotomes

Gentle probing
due to Micro-Tip design

Anatomical 3-D orientation

Precision control

AXS_tome

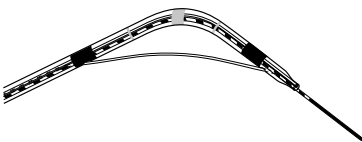
Conservative and safe approach

Our multi-stage catheter ensures stability during probing. Precision control of the catheter and reliable 11 o'clock orientation facilitate a conservative biliary approach.

Owing to a smooth guide wire transition to the Micro-Tip it is possible to minimise tissue irritation and reduce the risk of complications.

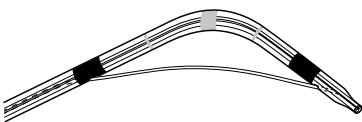
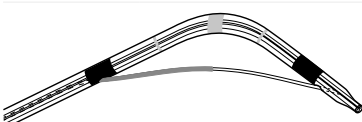
Preloaded **AXS_tome** Sphincterotomes (3 lumen) with gSlider



	Product Code	Order No.	Characteristics	Cutting Length	gSlider	ø Working Channel	Unit
	PAP1-X7-25-35-450-OL	502310	Micro-Tip, CWT, preloaded gSlider	25 mm	.035" 450 cm	2.8 mm	5
	PAP1-X8-30-35-260-OL	502286	Micro-Tip, monofil, preloaded gSlider, for short and long wire technique	30 mm	.035" 260 cm	3.8 mm	5
	PAP1-X8-30-35-450-OL	502287	Micro-Tip, monofil, preloaded gSlider	30 mm	.035" 450 cm	2.8 mm	5

AXS_tome Sphincterotomes (3 lumen)



	Product Code	Order No.	Characteristics	Cutting Length	Accepted Guide Wire	ø Working Channel	Unit
	PAP1-C7-20-35-OL	501048	Micro-Tip, CWT	20 mm	.035"	2.8 mm	5
	PAP1-C7-25-35-OL	502290	Micro-Tip, CWT	25 mm	.035"	2.8 mm	5
	PAP1-C7-30-35-OL	501050	Micro-Tip, CWT	30 mm	.035"	2.8 mm	5
	PAP1-C8-20-35-OL	501051	Micro-Tip, monofil	20 mm	.035"	2.8 mm	5
	PAP1-C8-25-35-OL	502291	Micro-Tip, monofil	25 mm	.035"	2.8 mm	5
	PAP1-C8-30-35-OL	501052	Micro-Tip, monofil	30 mm	.035"	2.8 mm	5
	PAP1-F8-25-35-OL	502501	Micro-Tip, monofil, insulated cutting wire (ProCut)	12.5 12.5 mm proximal insulated	.035"	2.8 mm	5
	PAP1-F8-30-35-OL	501993	Micro-Tip, monofil, insulated cutting wire (ProCut)	15 15 mm proximal insulated	.035"	2.8 mm	5

Compacted Wire Technologie (CWT)

Compacted Wire Technology combines the benefits of a monofilament cutting wire with those of a braided cutting wire:

- ✓ High energy density for a clean cut
- ✓ Low thermal input due to the CWT structure
- ✓ Precision-control probing

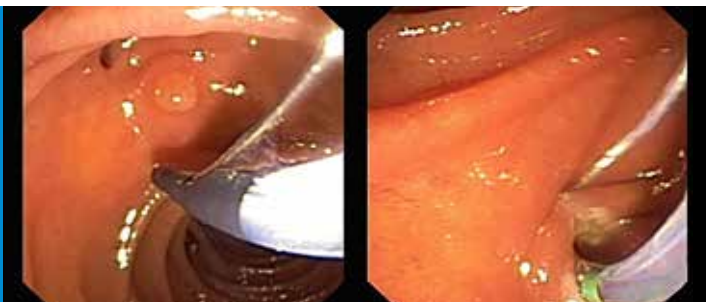
AXS_tome Sphincterotomes (2 lumen)



	Product Code	Order No.	Characteristics	Cutting Length	Accepted Guide Wire	ø Working Channel	Unit
	PAP1-C2-20-35-OL	501034	Micro-Tip, CWT	20 mm	.035"	2.8 mm	5
	PAP1-C2-25-35-OL	501036	Micro-Tip, CWT	25 mm	.035"	2.8 mm	5
	PAP1-C2-30-35-OL	501039	Micro-Tip, CWT	30 mm	.035"	2.8 mm	5
	PAP1-C5-20-35-OL	501046	Micro-Tip, monofil	20 mm	.035"	2.8 mm	5
	PAP1-C5-30-35-OL	501047	Micro-Tip, monofil	30 mm	.035"	2.8 mm	5
	PAP1-D2-30-21-OL	501853	Micro-Tip, CWT, Balloon Enteroscopy	30 mm	.021"	2.0 mm	2
	PAP1-A2-20-35-OL	501028	Precut, CWT	20 mm	.035"	2.8 mm	5
	PAP1-K2-06-35-OL	501060	Needle	6 mm	.035"	2.8 mm	5
	PAP1-M2-20-35-OL	501840	B II, CWT	20 mm	.035"	2.8 mm	2
	PAP1-N2-20-21-OL	501902	B II, CWT, Balloon Enteroscopy	20 mm	.021"	2.0 mm	2

Anatomical 3-D orientation

Based on systematic 11 o'clock orientation the AXS_tome sphincterotomes also follow the left frontal anatomy of the distal choledochus.



AXS_tome Sphincterotomes for **easyCure**® (short and long wire | 3 lumen)



	Product Code	Order No.	Characteristics	Cutting Length	Accepted Guide Wire	ø Working Channel	Unit
	PAP1-C7-20-E35-OL	501930	Micro-Tip, CWT	20 mm	.035" ≥ 200 cm	3.8 mm	5
	PAP1-C7-30-E35-OL	501929	Micro-Tip, CWT	30 mm	.035" ≥ 200 cm	3.8 mm	5
	PAP1-C8-20-E35-OL	501931	Micro-Tip, monofil	20 mm	.035" ≥ 200 cm	3.8 mm	5
	PAP1-C8-30-E35-OL	501919	Micro-Tip, monofil	30 mm	.035" ≥ 200 cm	3.8 mm	5
	PAP1-F8-30-E35-OL	502017	Micro-Tip, monofil, insulated cutting wire (ProCut)	15 15 mm proximal insulated	.035" ≥ 200 cm	3.8 mm	5
	PAP1-K8-06-E35-OL	501920	Needle	6 mm	.035" ≥ 200 cm	3.8 mm	5
	PAP1-X8-30-35-260-OL	502286	Micro-Tip, monofil, preloaded gSlider	30 mm	.035" 260 cm	3.8 mm	5

easyCure®-Guide wire fixation



	Product Code	Order No.	Characteristics	Unit
	SPE1-Y7	501925	Guide wire fixation (instrument fork), for Olympus and Fujinon (from G5 series on)	5



Guide wires

Precise exploration

Stable instrument guidance

Smooth transition between tip and coating

GPS Wire

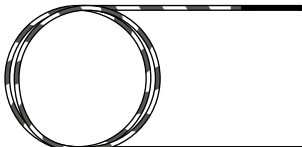
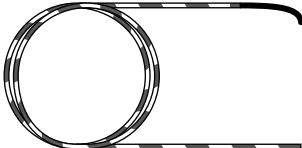
Arrive safely

The atraumatic tip of the GI Probing Scout ensures conservative exploration. The sturdy sheath reliably guides therapy instruments to their destination. A smooth transition

between the hydrophilic tip and the coating enhances the precision control of your instruments. In addition, handling is facilitated by the newly designed insertion aid.

GPS Wire Guide wires with hydrophilic tip



	Product Code	Order No.	Characteristics	Diameter	Length	Unit
	WIR1-S6-35-260	502517	Straight, Nitinol, insulated, green/white	.035"	260 cm	5
	WIR1-S6-35-450	502515	Straight, Nitinol, insulated, green/white	.035"	450 cm	5
	WIR1-J6-35-260	502518	J-tip, Nitinol, insulated, green/white	.035"	260 cm	5
	WIR1-J6-35-450	502516	J-tip, Nitinol, insulated, green/white	.035"	450 cm	5

ERCP-Cannulas



	Product Code	Order No.	Characteristics	Length	Accepted Guide Wire	ø Working Channel	Unit
	CAN1-A3-18-200-35	500337	Standard, 1 lumen, radiopaque marking	200 cm	.035"	2.0 mm	10
	CAN1-A5-18-200-35	500339	Standard, 1 lumen, metal tip	200 cm	.035"	2.8 mm	10
	CAN1-A6-18-200-35	502332	Standard, guide wire port, 1 lumen, metal tip, tapered (2.3 1.8 mm)	200 cm	.035"	2.8 mm	10
	CAN1-B3-18-200-35	500343	Filiform, 1 lumen, radiopaque marking	200 cm	.035"	2.0 mm	10
	CAN1-B3-18-260-35	501856	Filiform, 1 lumen, radiopaque marking, Balloon Enteroscopy	260 cm	.035"	2.0 mm	2
	CAN1-B4-18-200-35	502008	Filiform, 2 lumen, radiopaque marking, tapered (2.3 1.8 mm)	200 cm	.035"	2.8 mm	10
	CAN1-B4-18-200-E35	502007	Filiform, 2 lumen, radiopaque marking, for short and long wire technique, tapered (2.3 1.8 mm)	200 cm	.035" ≥ 200 cm	3.2 mm	2
	CAN1-D5-18-200-35	500348	Bottle neck, 1 lumen, metal tip	200 cm	.035"	2.0 mm	10

PD Dr. med. Ulrike Denzer Head of the Endoscopy Section at Marburg University Hospital



As far as I am concerned, twist´n´CATCH combines two major requirements: tube flexibility during insertion and basket rigidity when opening. The enormous expansion force and the large distance between the wires create a certain lumen - the stones slip inside as if of their own accord. As a result, it is only necessary to have one stone remover to retrieve large and small stones as well as soft and hard concretions.



Maximum expansion force

Precision control by rotary motion

Infinite adjustment of basket size

twist´n´CATCH

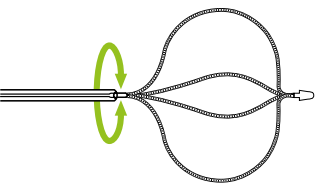
Collects and retains what it is supposed to

The impressive expansion force and precise control of the basket allow swift capture of stones. Infinite adjustment of basket

diameter permits highly flexible use. As a result, gallstones can be retrieved reliably.

twist´n´CATCH-Stone extraction baskets

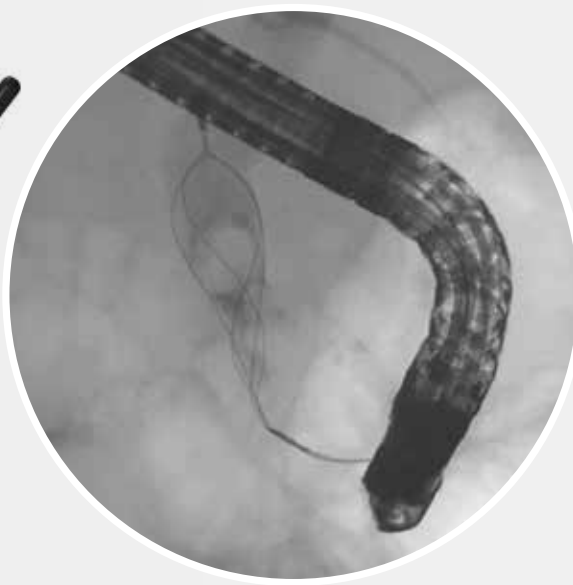


	Product Code	Order No.	Characteristics	ø Basket	Length	Accepted Guide Wire	ø Working Channel	Unit
	BAS1-K2-25-23-200	500027	Spherical, 130° rotation	35 mm	200 cm	-	2.8 mm	5
	BAS1-K3-35-28-200	502285	Spherical, 130° rotation, for short and long wire technique	35 mm	200 cm	.035" ≥ 200 cm	3.2 mm	5

ATTENTION: medwork products of the BAS series are perfectly suited for use with other system products in this series. Please note that when combined with products / instruments from other manufacturers substantial functional limitations may occur. A liability of medwork for such cases is excluded.



For guide wires $\geq 200^*$



Maximum expansion power

*Figure: BAS1-K3-35-28-200

Dr. med. Martin Fährdrich Chief physician of interventional endoscopy at Dortmund Hospital



ROCKSTAR is easy to insert on account of its good flexibility in the distal area. Lithotripsy can be performed immediately without changing systems. That means material costs are kept within budget and the procedure is quicker. Overall, ROCKSTAR saves material and time so it is less expensive. In extreme situations, when performing lithotripsy on very hard stones, I recommend using a system with a metal coil.



The right tool for every situation

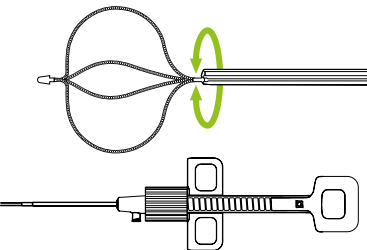
No matter how large the ‚rock‘ may be, Rockstar is fearless: with the new stone remover for lithotripsy you are ideally equipped for retrieving gallstones.

The guide wire lumen enables you to reach the location of the stone reliably. The innovative operating concept allows intuitive pulverisation of concretions if necessary.

ROCKSTAR Lithotriptor stone extraction basket



Product Code	Order No.	Characteristics	ø Basket	Length	Accepted Guide Wire	ø Working Channel	Unit
BAS3-K2-35-35-200	502486	twist'n'CATCH-Basket, integrated lithotripsy function	35 mm	200 cm	.035"	4.2 mm	2



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Stone extraction baskets



	Product Code	Order No.	Characteristics	ø Basket	Length	ø Working Channel	Unit
	BAS1-A2-20-23-200	500018	Hexagonal	20 mm	200 cm	2.8 mm	5
	BAS1-A2-25-23-200	500020	Hexagonal	25 mm	200 cm	2.8 mm	5
	BAS1-A2-30-23-200	500022	Hexagonal	30 mm	200 cm	2.8 mm	5
	BAS1-A2-35-23-200	500024	Hexagonal	35 mm	200 cm	2.8 mm	5
	BAS1-C1-20-18-260	500025	Half twisted, Balloon Enteroscopy	20 mm	260 cm	2.0 mm	2
	BAS1-C2-25-23-260	500026	Half twisted, Balloon Enteroscopy	25 mm	260 cm	2.8 mm	2

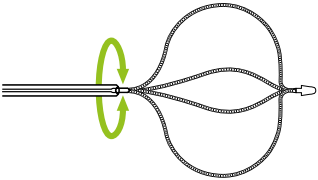


Not suitable for lithotripsy

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Stone extraction baskets (Reusable)

134°C

	Product Code	Order No.	Characteristics	ø Basket	Length	ø Working Channel	Unit
	twist'n'CATCH BAS2-K2-25-23-200	500120	Spherical, 130° rotation	35 mm	200 cm	2.8 mm	1
	BAS2-A2-25-23-200	500083	Hexagonal	25 mm	200 cm	2.8 mm	1
	BAS2-A2-30-23-200	500084	Hexagonal	30 mm	200 cm	2.8 mm	1
	BAS2-C1-15-18-200	500096	Half twisted	15 mm	200 cm	2.0 mm	1



Not suitable for lithotripsy

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PD Dr. med. Alexander Dechêne Chief senior physician at the Gastroenterology and Hepatology Clinic, Essen University Hospital



The handling of a lithotripter should be uncomplicated because its use is relatively rare. rotaCRUSH is an easy-to-use one-piece system where operation is largely intuitive. Generally speaking, for lithotripsy systems it is absolutely essential to hold regular training in order to provide the endoscopy team with the necessary reliability in use.



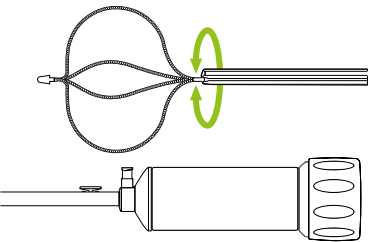
The lithotripter for tough cases

Ready to use immediately without assembly. With the proven twist´n´CATCH basket you capture stones quickly and reliably. The crown head design of the metal coil ensures precision

force transmission to the stone and protects against basket detachment. The handle offers an integrated, additional Power² function for really tough cases.

rotaCRUSH Lithotripter



	Product Code	Order No.	Characteristics	ø Basket	Length	ø Working Channel	Unit
	LIT3-K2-30-35-200	502165	twist´n´CATCH-Basket, integrated catheter, spiral spring, handle	35 mm	200 cm	3.8 mm	1



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Lithotripter baskets



	Product Code	Order No.	Characteristics	ø Basket	Length	ø Working Channel	Unit
	twist'n'CATCH	500826	Spherical, 130° rotation	35 mm	200 400 cm	2.8 mm	2
	LIT1-K2-25-23-200						
	LIT1-C3-20-23-200	500822	Half twisted	20 mm	200 400 cm	2.8 mm	2
	LIT1-C3-25-23-200	500823	Half twisted	25 mm	200 400 cm	2.8 mm	2
	LIT1-C3-30-23-200	500824	Half twisted	30 mm	200 400 cm	2.8 mm	2
	LIT1-C3-35-23-200	500825	Half twisted	35 mm	200 400 cm	2.8 mm	2

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Lithotripter baskets (Reusable)

134°C

	Product Code	Order No.	Characteristics	ø Basket	Length	ø Working Channel	Unit
	twist'n'CATCH	500884	Spherical, 130° rotation	35 mm	200 400 cm	2.8 mm	1
	LIT2-K2-25-23-200						
	LIT2-C1-15-18-200	500871	Half twisted	15 mm	200 400 cm	2.0 mm	1
	LIT2-C3-20-23-200	500877	Half twisted	20 mm	200 400 cm	2.8 mm	1
	LIT2-C3-25-23-200	500878	Half twisted	25 mm	200 400 cm	2.8 mm	1
	LIT2-C3-30-23-200	500879	Half twisted	30 mm	200 400 cm	2.8 mm	1
	LIT2-C3-35-23-200	500880	Half twisted	35 mm	200 400 cm	2.8 mm	1

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#flowing

Infinitely adjustable guide catheter length

Precision stent placement due to
optimal force transmission

The placement system: one for all

KENA

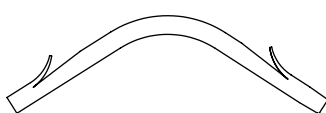
All in perfect flux

Inspired by the music, tuned to the finest detail: the new Kena series allows simple and precise placement of the prosthesis as a result of the perfect interplay between bending strength and flexibility.

Even multi-stenting with different prosthetic diameters (8.5 and 10 Fr) is extremely efficient with the One-for-All placement system.

KENA-Biliary stents (2 Flaps, centrally bent)



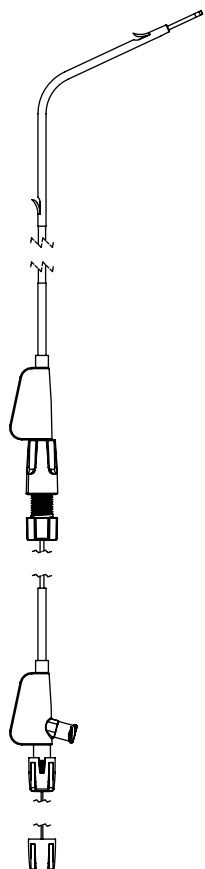
	Product Code	Order No.	Color	Diameter	Length between flaps	Total Length	Unit
	PR01-C2-07-05	502362	Grey	7 Fr	5 cm	6.5 cm	1
	PR01-C2-07-07	502368	Grey	7 Fr	7 cm	8.5 cm	1
	PR01-C2-07-09	502366	Grey	7 Fr	9 cm	10.5 cm	1
	PR01-C2-07-11	502367	Grey	7 Fr	11 cm	12.5 cm	1
	PR01-C2-07-13	502369	Grey	7 Fr	13 cm	14.5 cm	1
	PR01-C2-07-15	502370	Grey	7 Fr	15 cm	16.5 cm	1
	PR01-C2-07-17	502371	Grey	7 Fr	17 cm	18.5 cm	1
	PR01-C2-07-19	502372	Grey	7 Fr	19 cm	20.5 cm	1
	PR01-C2-08-05	502373	Green	8.5 Fr	5 cm	6.5 cm	1
	PR01-C2-08-07	502374	Green	8.5 Fr	7 cm	8.5 cm	1
	PR01-C2-08-09	502375	Green	8.5 Fr	9 cm	10.5 cm	1
	PR01-C2-08-11	502376	Green	8.5 Fr	11 cm	12.5 cm	1
	PR01-C2-08-13	502377	Green	8.5 Fr	13 cm	14.5 cm	1
	PR01-C2-08-15	502378	Green	8.5 Fr	15 cm	16.5 cm	1
	PR01-C2-08-17	502379	Green	8.5 Fr	17 cm	18.5 cm	1
	PR01-C2-08-19	502380	Green	8.5 Fr	19 cm	20.5 cm	1
	PR01-C2-10-05	502381	Blue	10 Fr	5 cm	6.5 cm	1
	PR01-C2-10-06	502419	Blue	10 Fr	6 cm	7.5 cm	1
	PR01-C2-10-07	502382	Blue	10 Fr	7 cm	8.5 cm	1
	PR01-C2-10-08	502420	Blue	10 Fr	8 cm	9.5 cm	1
	PR01-C2-10-09	502383	Blue	10 Fr	9 cm	10.5 cm	1
	PR01-C2-10-10	502421	Blue	10 Fr	10 cm	11.5 cm	1
	PR01-C2-10-11	502384	Blue	10 Fr	11 cm	12.5 cm	1
	PR01-C2-10-12	502422	Blue	10 Fr	12 cm	13.5 cm	1
	PR01-C2-10-13	502385	Blue	10 Fr	13 cm	14.5 cm	1
	PR01-C2-10-14	502423	Blue	10 Fr	14 cm	15.5 cm	1
	PR01-C2-10-15	502386	Blue	10 Fr	15 cm	16.5 cm	1
	PR01-C2-10-17	502387	Blue	10 Fr	17 cm	18.5 cm	1
	PR01-C2-10-19	502388	Blue	10 Fr	19 cm	20.5 cm	1

KENA-Biliary stents (2 Flaps, duodenal bent)



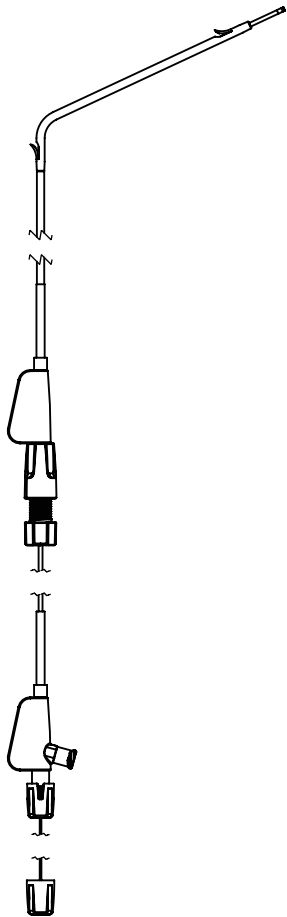
Product Code	Order No.	Color	Diameter	Length between flaps	Total Length	Unit
PR01-T2-07-05	502392	Grey	7 Fr	5 cm	6.5 cm	1
PR01-T2-07-07	502395	Grey	7 Fr	7 cm	8.5 cm	1
PR01-T2-07-09	502393	Grey	7 Fr	9 cm	10.5 cm	1
PR01-T2-07-11	502394	Grey	7 Fr	11 cm	12.5 cm	1
PR01-T2-07-13	502396	Grey	7 Fr	13 cm	14.5 cm	1
PR01-T2-07-15	502397	Grey	7 Fr	15 cm	16.5 cm	1
PR01-T2-07-17	502398	Grey	7 Fr	17 cm	18.5 cm	1
PR01-T2-07-19	502399	Grey	7 Fr	19 cm	20.5 cm	1
PR01-T2-08-05	502400	Green	8.5 Fr	5 cm	6.5 cm	1
PR01-T2-08-07	502401	Green	8.5 Fr	7 cm	8.5 cm	1
PR01-T2-08-09	502402	Green	8.5 Fr	9 cm	10.5 cm	1
PR01-T2-08-11	502403	Green	8.5 Fr	11 cm	12.5 cm	1
PR01-T2-08-13	502404	Green	8.5 Fr	13 cm	14.5 cm	1
PR01-T2-08-15	502405	Green	8.5 Fr	15 cm	16.5 cm	1
PR01-T2-08-17	502406	Green	8.5 Fr	17 cm	18.5 cm	1
PR01-T2-08-19	502407	Green	8.5 Fr	19 cm	20.5 cm	1
PR01-T2-10-05	502408	Blue	10 Fr	5 cm	6.5 cm	1
PR01-T2-10-06	502424	Blue	10 Fr	6 cm	7.5 cm	1
PR01-T2-10-07	502409	Blue	10 Fr	7 cm	8.5 cm	1
PR01-T2-10-08	502425	Blue	10 Fr	8 cm	9.5 cm	1
PR01-T2-10-09	502410	Blue	10 Fr	9 cm	10.5 cm	1
PR01-T2-10-10	502426	Blue	10 Fr	10 cm	11.5 cm	1
PR01-T2-10-11	502411	Blue	10 Fr	11 cm	12.5 cm	1
PR01-T2-10-12	502427	Blue	10 Fr	12 cm	13.5 cm	1
PR01-T2-10-13	502412	Blue	10 Fr	13 cm	14.5 cm	1
PR01-T2-10-14	502428	Blue	10 Fr	14 cm	15.5 cm	1
PR01-T2-10-15	502413	Blue	10 Fr	15 cm	16.5 cm	1
PR01-T2-10-17	502414	Blue	10 Fr	17 cm	18.5 cm	1
PR01-T2-10-19	502415	Blue	10 Fr	19 cm	20.5 cm	1

Preloaded **KENA**-Biliary stents (2 Flaps, centrally bent)



Product Code	Order No.	Color	Diameter	Length between flaps	Total Length	ø Working Channel	Unit
PR03-C2-08-05	502435	Green	8.5 Fr	5 cm	6.5 cm	4.2 mm	1
PR03-C2-08-07	502438	Green	8.5 Fr	7 cm	8.5 cm	4.2 mm	1
PR03-C2-08-09	502439	Green	8.5 Fr	9 cm	10.5 cm	4.2 mm	1
PR03-C2-08-11	502440	Green	8.5 Fr	11 cm	12.5 cm	4.2 mm	1
PR03-C2-08-13	502441	Green	8.5 Fr	13 cm	14.5 cm	4.2 mm	1
PR03-C2-08-15	502442	Green	8.5 Fr	15 cm	16.5 cm	4.2 mm	1
PR03-C2-08-17	502443	Green	8.5 Fr	17 cm	18.5 cm	4.2 mm	1
PR03-C2-08-19	502502	Green	8.5 Fr	19 cm	20.5 cm	4.2 mm	1
PR03-C2-10-05	502444	Blue	10 Fr	5 cm	6.5 cm	4.2 mm	1
PR03-C2-10-06	502445	Blue	10 Fr	6 cm	7.5 cm	4.2 mm	1
PR03-C2-10-07	502446	Blue	10 Fr	7 cm	8.5 cm	4.2 mm	1
PR03-C2-10-08	502447	Blue	10 Fr	8 cm	9.5 cm	4.2 mm	1
PR03-C2-10-09	502448	Blue	10 Fr	9 cm	10.5 cm	4.2 mm	1
PR03-C2-10-10	502449	Blue	10 Fr	10 cm	11.5 cm	4.2 mm	1
PR03-C2-10-11	502450	Blue	10 Fr	11 cm	12.5 cm	4.2 mm	1
PR03-C2-10-12	502451	Blue	10 Fr	12 cm	13.5 cm	4.2 mm	1
PR03-C2-10-13	502452	Blue	10 Fr	13 cm	14.5 cm	4.2 mm	1
PR03-C2-10-14	502453	Blue	10 Fr	14 cm	15.5 cm	4.2 mm	1
PR03-C2-10-15	502454	Blue	10 Fr	15 cm	16.5 cm	4.2 mm	1
PR03-C2-10-17	502455	Blue	10 Fr	17 cm	18.5 cm	4.2 mm	1
PR03-C2-10-19	502503	Blue	10 Fr	19 cm	20.5 cm	4.2 mm	1
PR03-C2-10-21	502504	Blue	10 Fr	21 cm	22.5 cm	4.2 mm	1
PR03-C2-10-23	502505	Blue	10 Fr	23 cm	24.5 cm	4.2 mm	1
PR03-C2-10-25	502506	Blue	10 Fr	25 cm	26.5 cm	4.2 mm	1

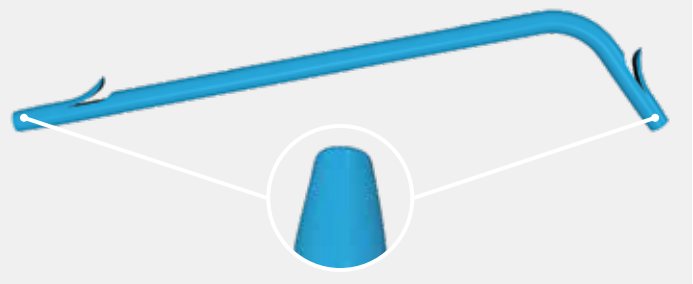
Preloaded **KENA**-Biliary stents (2 Flaps, duodenal bent)



Product Code	Order No.	Color	Diameter	Length between flaps	Total Length	ø Working Channel	Unit
PR03-T2-08-05	502436	Green	8.5 Fr	5 cm	6.5 cm	4.2 mm	1
PR03-T2-08-07	502456	Green	8.5 Fr	7 cm	8.5 cm	4.2 mm	1
PR03-T2-08-09	502457	Green	8.5 Fr	9 cm	10.5 cm	4.2 mm	1
PR03-T2-08-11	502458	Green	8.5 Fr	11 cm	12.5 cm	4.2 mm	1
PR03-T2-08-13	502459	Green	8.5 Fr	13 cm	14.5 cm	4.2 mm	1
PR03-T2-08-15	502460	Green	8.5 Fr	15 cm	16.5 cm	4.2 mm	1
PR03-T2-08-17	502461	Green	8.5 Fr	17 cm	18.5 cm	4.2 mm	1
PR03-T2-08-19	502507	Green	8.5 Fr	19 cm	20.5 cm	4.2 mm	1
PR03-T2-10-05	502462	Blue	10 Fr	5 cm	6.5 cm	4.2 mm	1
PR03-T2-10-06	502463	Blue	10 Fr	6 cm	7.5 cm	4.2 mm	1
PR03-T2-10-07	502464	Blue	10 Fr	7 cm	8.5 cm	4.2 mm	1
PR03-T2-10-08	502465	Blue	10 Fr	8 cm	9.5 cm	4.2 mm	1
PR03-T2-10-09	502466	Blue	10 Fr	9 cm	10.5 cm	4.2 mm	1
PR03-T2-10-10	502467	Blue	10 Fr	10 cm	11.5 cm	4.2 mm	1
PR03-T2-10-11	502468	Blue	10 Fr	11 cm	12.5 cm	4.2 mm	1
PR03-T2-10-12	502469	Blue	10 Fr	12 cm	13.5 cm	4.2 mm	1
PR03-T2-10-13	502470	Blue	10 Fr	13 cm	14.5 cm	4.2 mm	1
PR03-T2-10-14	502471	Blue	10 Fr	14 cm	15.5 cm	4.2 mm	1
PR03-T2-10-15	502472	Blue	10 Fr	15 cm	16.5 cm	4.2 mm	1
PR03-T2-10-17	502473	Blue	10 Fr	17 cm	18.5 cm	4.2 mm	1
PR03-T2-10-19	502508	Blue	10 Fr	19 cm	20.5 cm	4.2 mm	1
PR03-T2-10-21	502509	Blue	10 Fr	21 cm	22.5 cm	4.2 mm	1
PR03-T2-10-23	502510	Blue	10 Fr	23 cm	24.5 cm	4.2 mm	1
PR03-T2-10-25	502511	Blue	10 Fr	25 cm	26.5 cm	4.2 mm	1

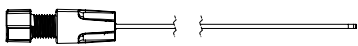
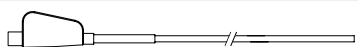
Tips tapered on both sides

The unique bilateral tip shaping of the duodenal Kena prostheses facilitates placement and minimises the perforation risk. Alternatively, the prostheses can be laid across a bifurcation with the bend first and thus be anchored in place. This ensures a better hold and reduces the risk of migration.



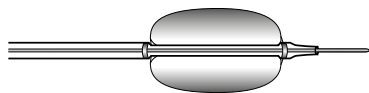
KENA-Guide catheters, -Pusher and -Insertion kit



	Product Code	Order No.	Characteristics	Diameter	Length	Accepted Guide Wire	ø Working Channel	Unit
	PR01-K1-05-220-35	502491	Guide catheter, grey, for 8.5 and 10 Fr Biliary stents	5 Fr	220 cm	.035"	2.0 mm	2
	PR01-P2-07-180	502494	Pusher, white, for 7 Fr Biliary stents	7 Fr	180 cm	.035"	2.8 mm	2
	PR01-P1-09-180	502492	Pusher, white, for 8.5 and 10 Fr Biliary stents	9 Fr	180 cm	.035"	3.2 mm	2
	PR01-S1-05-220-35	502493	Insertion kit for 8.5 and 10 Fr Biliary stents, LL-connection, distal radiopaque marking	9 Fr	220 cm	.035"	4.2 mm	2

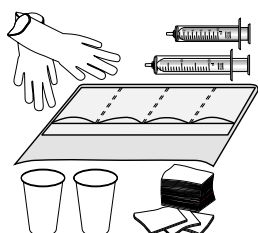
ERCP

Stone extraction balloons



Product Code	Order No.	Characteristics	ø Balloon	Length	Accepted Guide Wire	ø Working Channel	Unit
BAL1-B2-16-75-200-35	500005	Distal radiopaque marking, 2 lumen, tapered (7 5 Fr)	16 mm	200 cm	.035"	2.8 mm	5
BAL1-C2-16-07-200-35	500010	Distal radiopaque marking, 2 lumen	16 mm	200 cm	.035"	2.8 mm	5
BAL1-C3-18-07-200-35	500011	Distal radiopaque marking, 3 lumen	16 mm	200 cm	.035"	2.8 mm	5
BAL1-C3-18-07-200E35	501916	Distal radiopaque marking, tapered, 3 lumen, for short and long wire technique	16 mm	200 cm	.035" ≥ 200 cm	3.2 mm	2

ERCP Kit

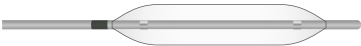


Product Code	Order No.	Characteristics	Unit
CAN3-STANDARD-1	500427	Disposable ERCP kit including: 1 Pair disposable gloves, medium, powder- and latex-free 1 Cup, 210 ml, white transparent 1 Cup, 210 ml, blue transparent 10 Compresses, 10 x 10 cm, 8-fold 1 Disposable syringe, 10 ml, Luer-Lock 1 Disposable syringe, 20 ml, Luer-Lock 1 Disposable ERCP towel, 75 x 90 cm, with 4 transparent insertion bags (MIS1-TOWEL-4)	20

Dilation balloons

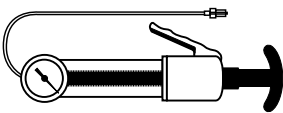
Working Length 230 cm



	Product Code	Order No.	Characteristics	ø Balloon	Length Balloon	Accepted Guide Wire	ø Working Channel	Unit
	DIL1-A1-06-40-23-35	502268	2 Radiopaque markings, tapered catheter (2,3 1,8 mm), for short and long wire technique	6 mm	40 mm	.035" ≥ 200 cm	2.8 mm	2
	DIL1-A1-08-40-23-35	502269	2 Radiopaque markings, tapered catheter (2,3 1,8 mm), for short and long wire technique	8 mm	40 mm	.035" ≥ 200 cm	2.8 mm	2
	DIL1-A1-10-40-23-35	502270	2 Radiopaque markings, tapered catheter (2,3 1,8 mm), for short and long wire technique	10 mm	40 mm	.035" ≥ 200 cm	2.8 mm	2
	DIL1-A1-12-60-23-35	502271	2 Radiopaque markings, for short and long wire technique	12 mm	60 mm	.035" ≥ 200 cm	2.8 mm	2
	DIL1-A1-14-60-23-35	502272	2 Radiopaque markings, for short and long wire technique	14 mm	60 mm	.035" ≥ 200 cm	2.8 mm	2
	DIL1-A1-16-60-23-35	502273	2 Radiopaque markings, for short and long wire technique	16 mm	60 mm	.035" ≥ 200 cm	2.8 mm	2
	DIL1-A1-18-60-23-35	502274	2 Radiopaque markings, for short and long wire technique	18 mm	60 mm	.035" ≥ 200 cm	2.8 mm	2
	DIL1-A1-20-60-23-35	502275	2 Radiopaque markings, for short and long wire technique	20 mm	60 mm	.035" ≥ 200 cm	3.2 mm	2

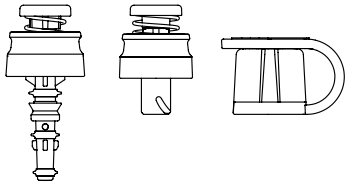
Insufflation device



	Product Code	Order No.	Characteristics	Unit
	DIL1-B1-60	502278	60 ml volume, 12 Atm maximum pressure	1

JAZZ Endoscope valve kit for FUJIFILM 700 series



	Product Code	Order No.	Characteristics	Unit
	VAL1-G7-50	502562	Disposable endoscope valve kit for Fujifilm endoscopes (G7 series), compatible with ED-580XT and EI-580BT, consisting of: air/water valve, suction valve and biopsy valve FROG	50

FROG Biopsy valves



	Product Code	Order No.	Characteristics	Unit
	VAL1-F1-100	502484	For Olympus and Fujifilm endoscopes	100
	VAL1-P1-100	502485	For Pentax endoscopes	100

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