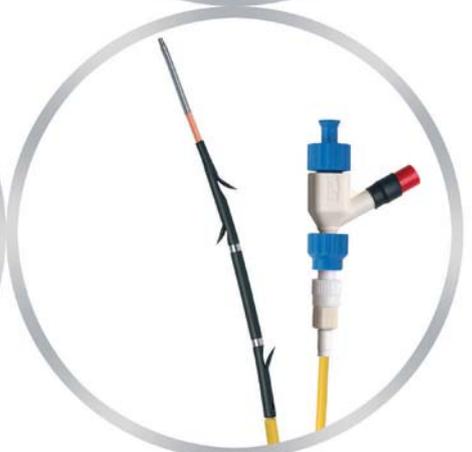
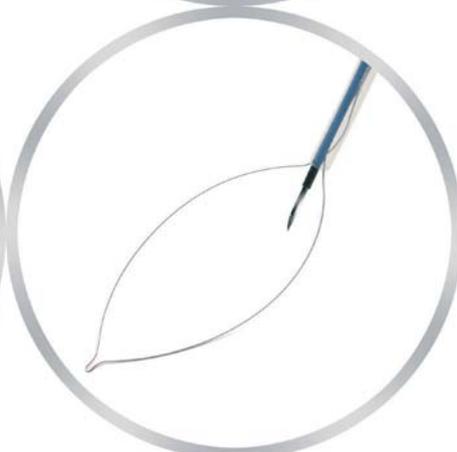
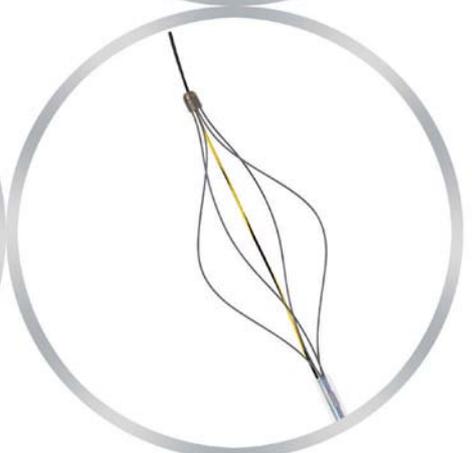
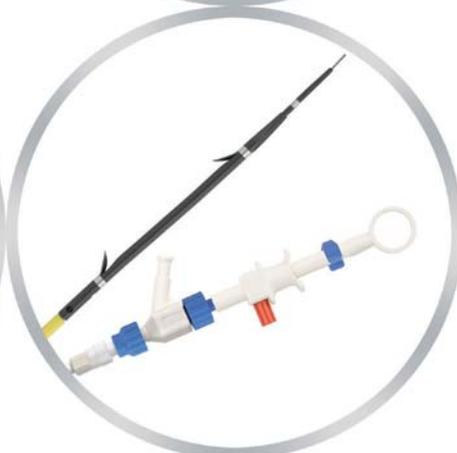
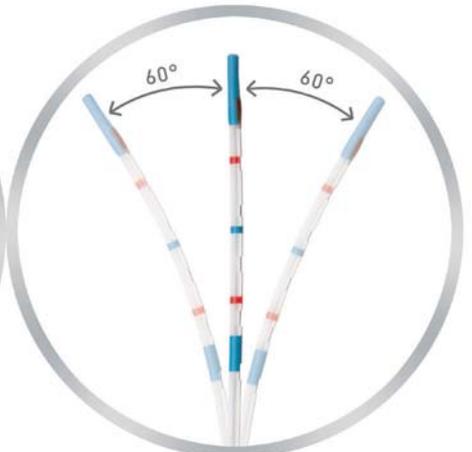


Single Use



ERCP-CATHETERS

SPRAY CATHETERS / WASH-OUT PROBES

PAPILLOTOMES

CYSTOSTOME / ESD-KNIVES

BASKETS

LITHOTOMY BASKETS / LITHOTRIPTOR (SET) /
BALLOON CATHETERS

STENTS

INTRODUCER SYSTEMS / STENT-SETS /
CYST DRAINAGE SETS / RING KNIFE SET /
DPOC-GUIDING CATHETER

POLYPECTOMY SNARES

BIOPSY FORCEPS

HOT-BIOPSY FORCEPS / PUNCTURE BIOPSY FORCEPS / HIGH
FREQUENCY CLAMP / MICRO-BITES

FOREIGN BODY REMOVING FORCEPS

POLYPOTOMES / POLYP TRAP NET LOOPS

BRUSHES

CYTOLOGY BRUSHES/ CLEANING BRUSHES

INJECTION NEEDLES

ASPIRATION NEEDLE

GUIDE WIRES

CUSTOMER SUPPORT INTERNATIONAL

Jutta Kasten-Heß
+49 2803 9120-118

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COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



0.035 — Suitable for guide wire 0.035 inch



0.025 — Suitable for guide wire 0.025 inch



0.018 — Suitable for guide wire 0.018 inch



250 — Suitable for double- and single-balloon enteroscopy, 250 cm



280 — Suitable for double- and single-balloon enteroscopy, 280 cm



120 — Suitable for bronchoscopy, 120 cm

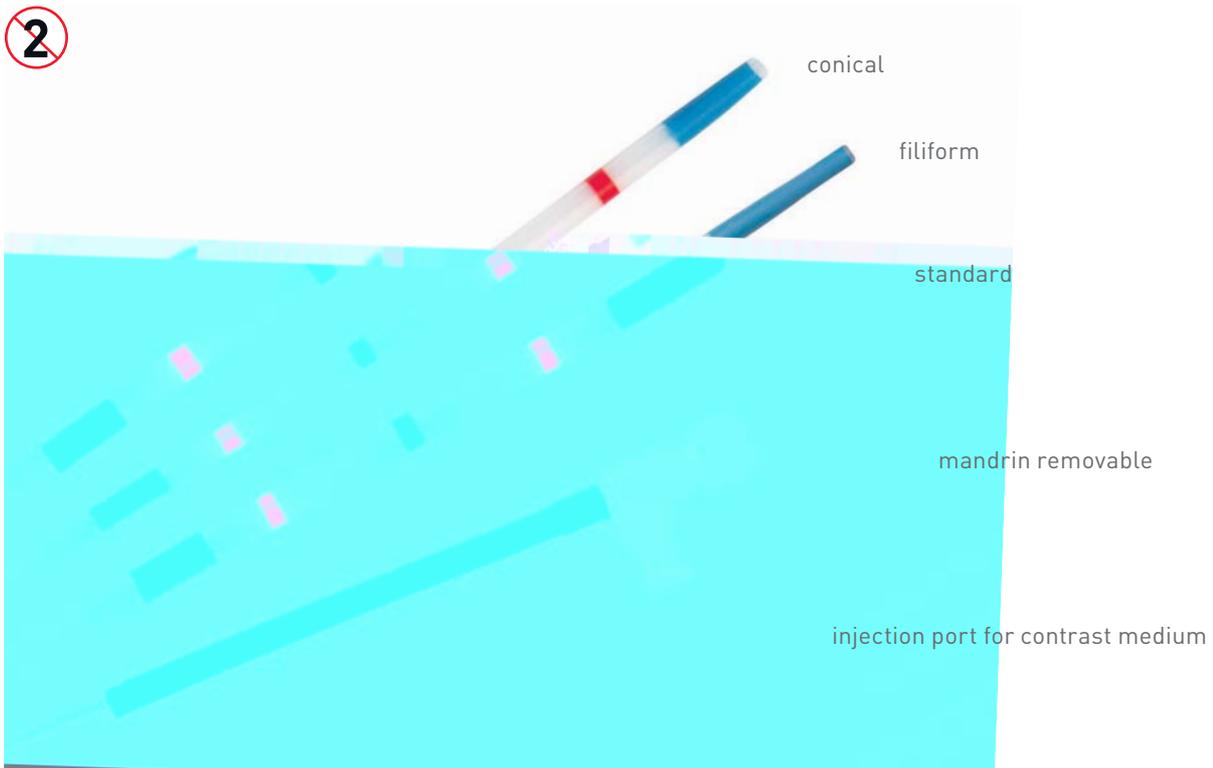
We reserve the right to make technical changes and to deviate from the depicted images.

ERCP-CATHETERS



ERCP-CATHETERS

partly with inside metal ring, radiopaque,
Luer-Lock connection, mandrin removable

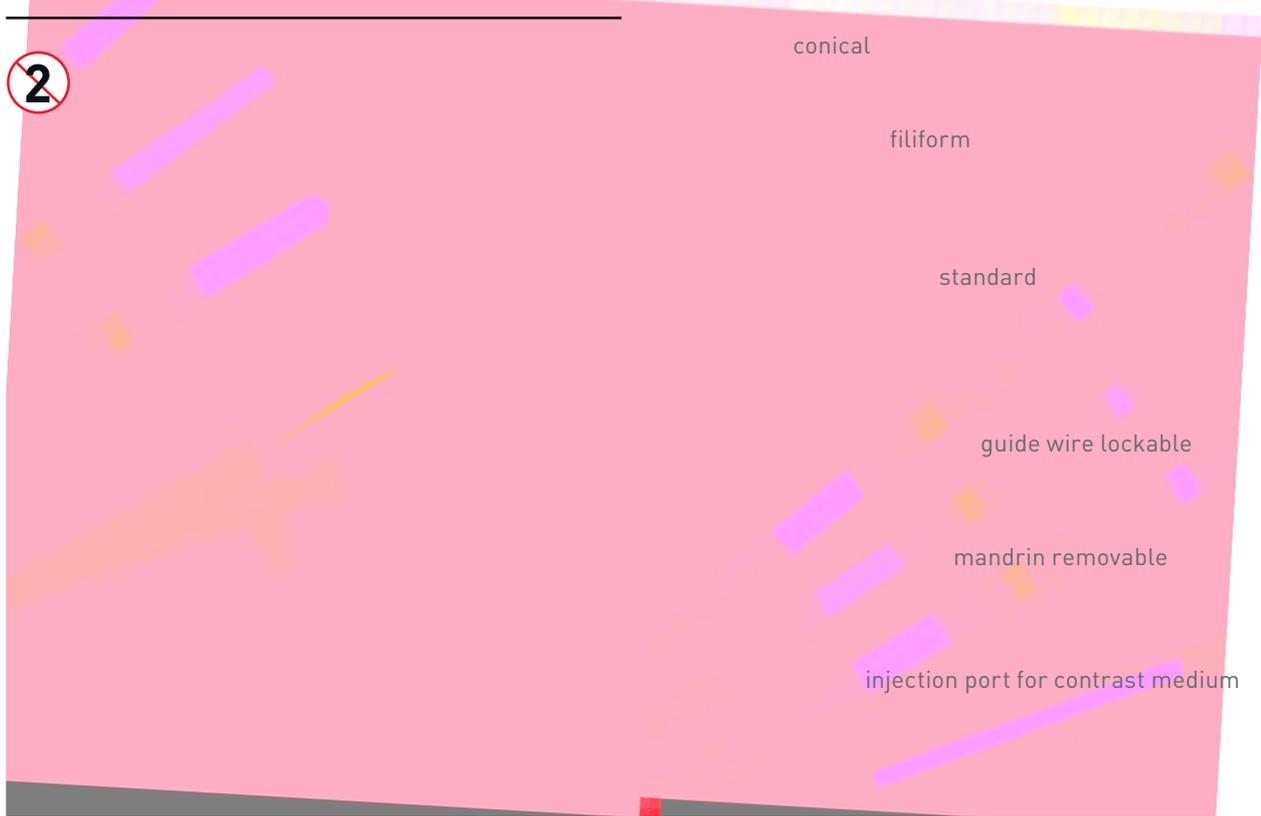


Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
990130100	standard	1,8	215	0.035
99130130110	standard / with inside metal ring	1,8	250	0.035
990130200	filiform	1,8	215	0.035
99130130700	conical	1,8	250	0.035
990101110	thin metal cannula: ø 0,7 mm	1,6	215	---

Figure shows article REF 990130100, 99130130110, 990130200, 99130130700

ERCP-CATHETERS

partly tapered, partly with inside metal ring, radiopaque
Y-nozzle, guide wire lockable, mandrin removable



Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
990110712	conical / with inside metal ring	1,6	215	0.018
990120102	standard	2,3 > 1,6	215	0.025
990120112	standard / with inside metal ring	2,3 > 1,6	215	0.025
990130102	standard	2,3 > 1,8	215	0.035
990130112	standard / with inside metal ring	2,3 > 1,8	215	0.035
990130132*	standard / with inside metal ring	2,3 > 1,8	215	0.035
990120202	filiform	2,3 > 1,6	215	0.025
990120212	filiform / with inside metal ring	2,3 > 1,6	215	0.025
990130202	filiform	2,3 > 1,8	215	0.035
990130212	filiform / with inside metal ring	2,3 > 1,8	215	0.035

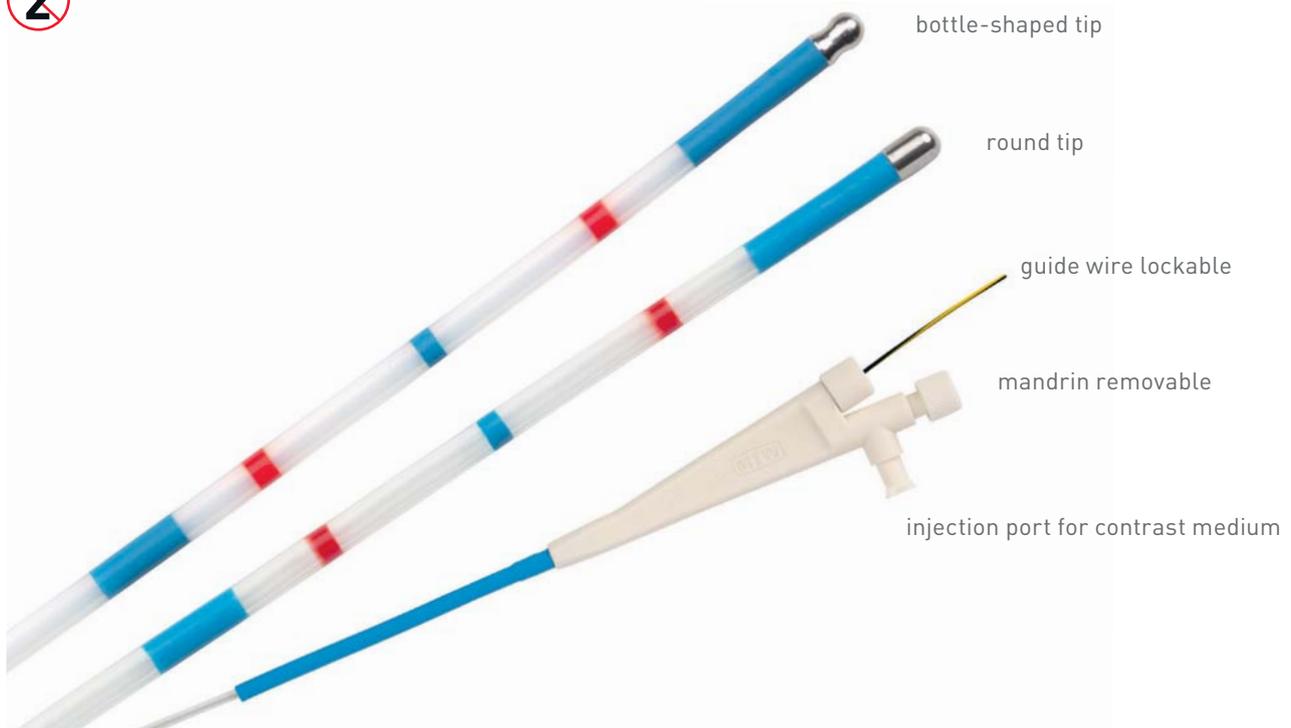
Figure shows article REF 990110712, 990120102, 990130202

* with short tapered tubus

ERCP-CATHETERS

tapered, metal tip, Y-nozzle, guide wire lockable,
mandrin removable

2

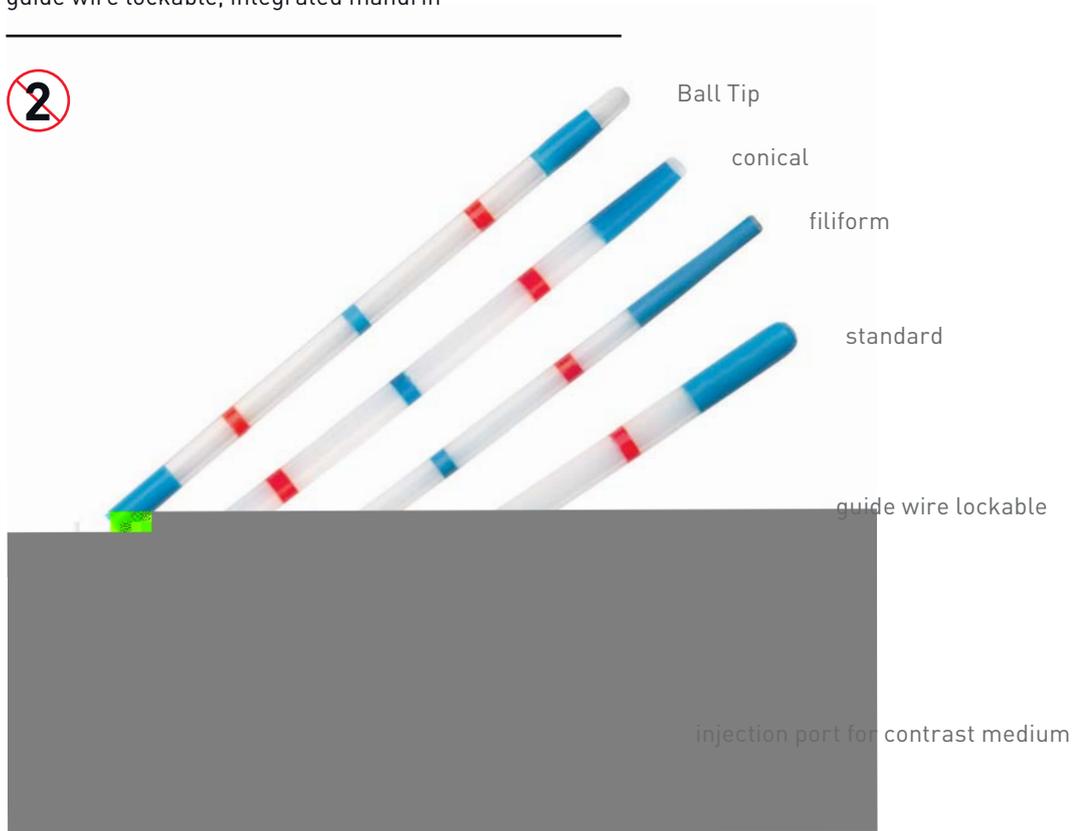


Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
990120312	round metal tip	2,3 > 1,6	215	0.025
990130312	round metal tip	2,3 > 1,8	215	0.035
990120512	bottle-shaped metal tip	2,3 > 1,6	215	0.025
990130512	bottle-shaped metal tip	2,3 > 1,8	215	0.035

Figure shows article REF 990130312, 990130512

ERCP-CATHETERS

tapered, partly with inside metal ring, radiopaque,
guide wire lockable, integrated mandrin



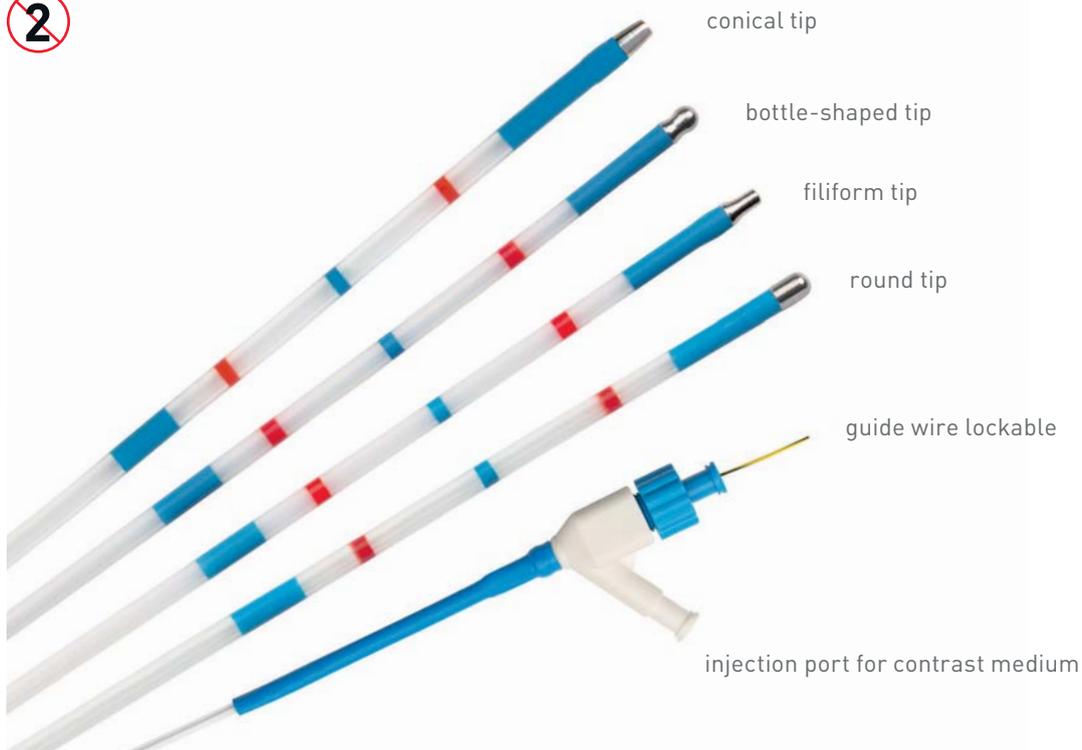
Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
990120101	standard	2,3 > 1,6	215	0.025
990120111	standard / with inside metal ring	2,3 > 1,6	215	0.025
990120211	filiform / with inside metal ring	2,3 > 1,6	215	0.025
99130120211	filiform / with inside metal ring	2,3 > 1,6	250	0.025
990130101	standard	2,3 > 1,8	215	0.035
99130131110	standard / with inside metal ring	2,3 > 1,8	250	0.035
990131111	standard / with inside metal ring	2,3 > 1,8	215	0.035
990130201	filiform	2,3 > 1,8	215	0.035
990131211	filiform / with inside metal ring	2,3 > 1,8	215	0.035
99130130701	conical	2,3 > 1,8	250	0.035
990130711	“BallTip” / with inside metal ring	2,3 > 1,8	215	0.035

Figure shows article REF 990131111, 990130201, 99130130701, 990130711

ERCP-CATHETERS

tapered, metal tip, guide wire lockable,
integrated mandrin

2

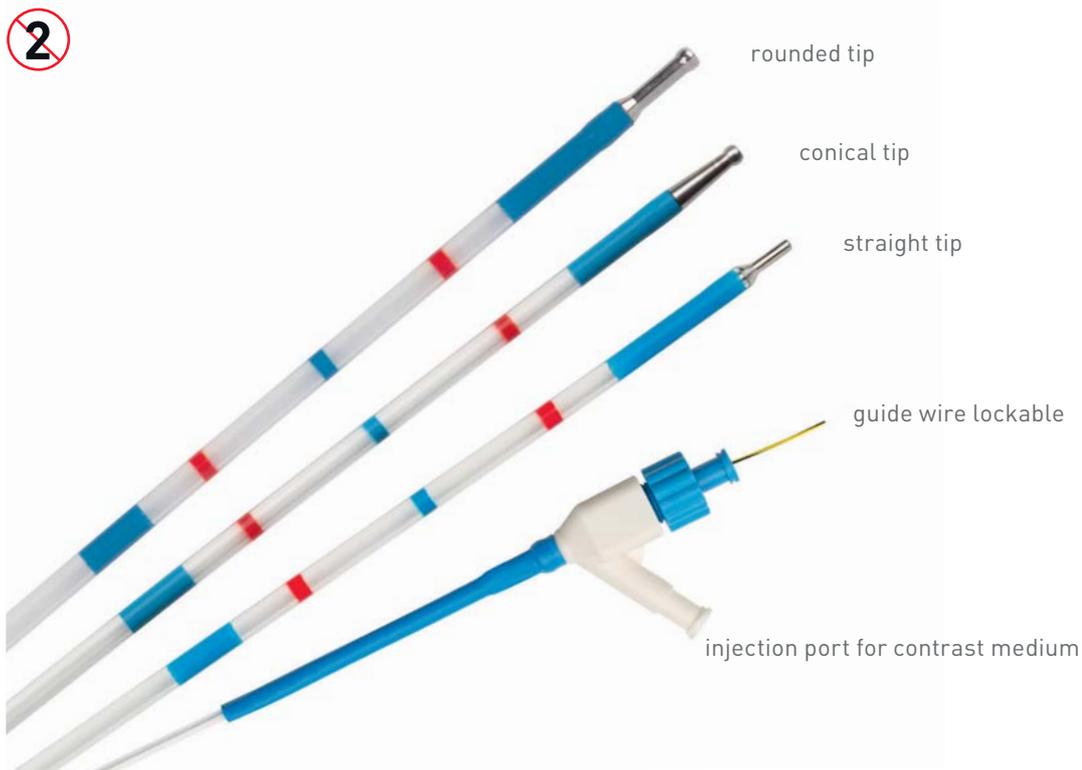


Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
990120311	round metal tip	2,3 > 1,6	215	0.025
990130311	round metal tip	2,3 > 1,8	215	0.035
990130411	filiform metal tip	2,3 > 1,8	215	0.035
990120511	bottle-shaped metal tip	2,3 > 1,6	215	0.025
990130511	bottle-shaped metal tip	2,3 > 1,8	215	0.035
990130611	conical metal tip	2,3 > 1,8	215	0.035

Figure shows article REF 990120311, 990130411, 990130511, 990130611

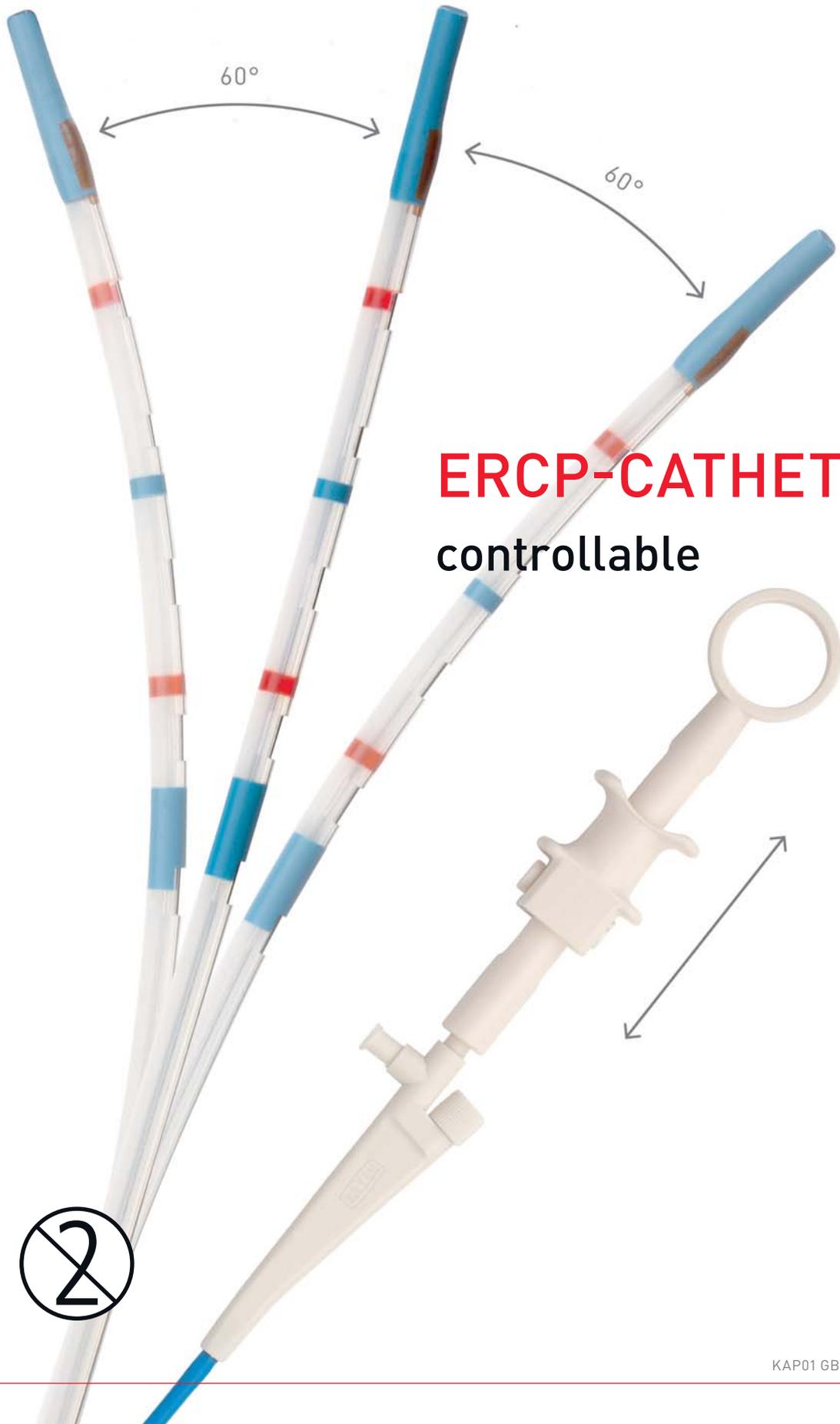
ERCP-CATHETERS WITH THIN METAL CANNULA

tapered, thin metal cannula, guide wire lockable, integrated mandrin



Article no.	Catheter tip with diameter	Diameter mm	Length cm	For guide wire inch
990101020	straight metal cannula / 0,7	2,3 > 1,6	215	0.018
990102020	straight metal cannula / 1,0	2,3 > 1,6	215	0.025
990103020	straight metal cannula / 1,3	2,3 > 1,8	215	0.035
990101120	rounded metal cannula / 1,0	2,3 > 1,6	215	0.018
990102120	rounded metal cannula / 1,3	2,3 > 1,6	215	0.025
990103120	rounded metal cannula / 1,6	2,3 > 1,8	215	0.035
990101220	conical metal cannula / 1,0	2,3 > 1,6	215	0.018
990102220	conical metal cannula / 1,3	2,3 > 1,6	215	0.025
990103220	conical metal cannula / 1,6	2,3 > 1,8	215	0.035

Figure shows article REF 990102020, 990102120, 990103220



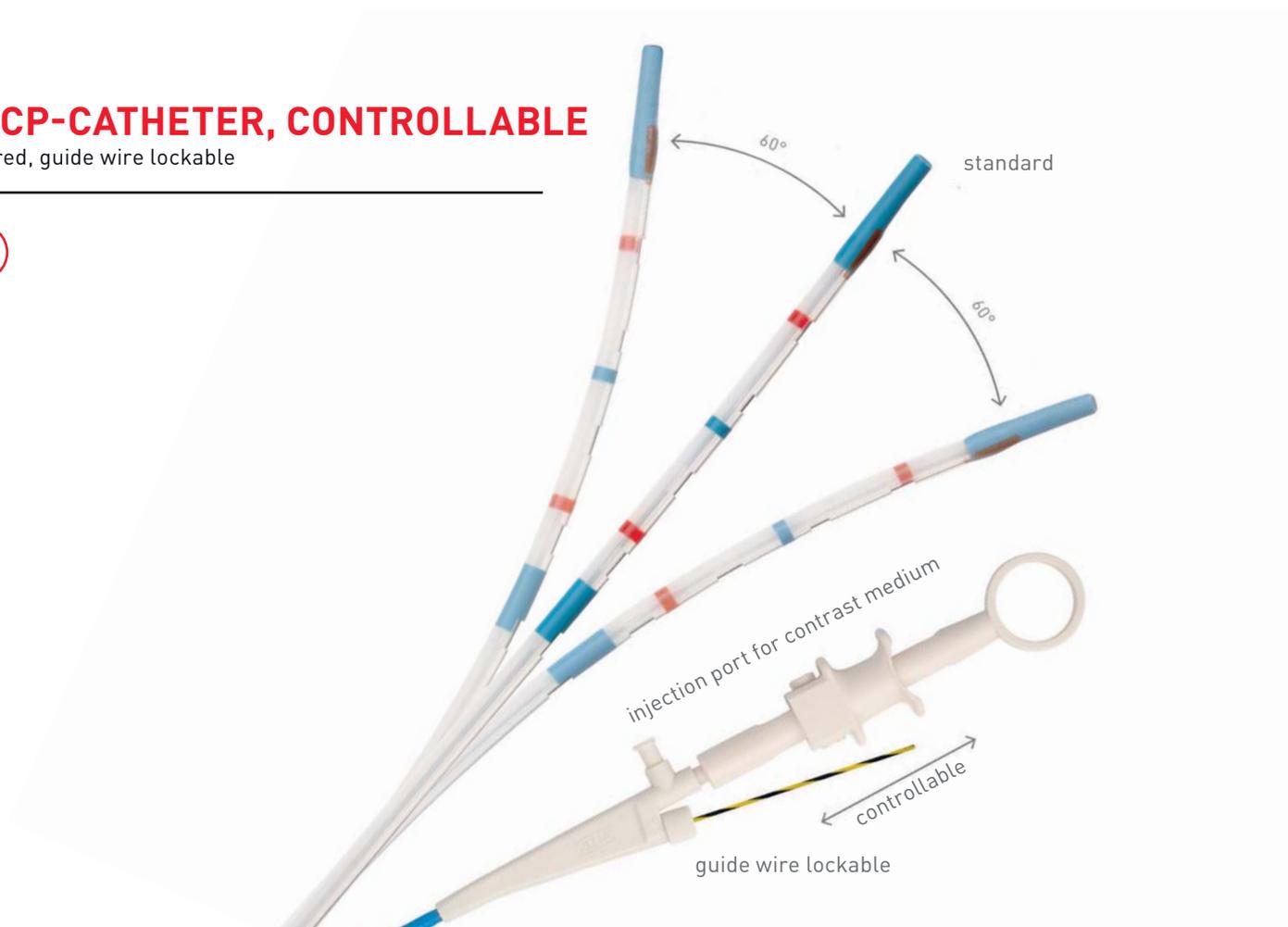
ERCP-CATHETER
controllable



ERCP-CATHETER, CONTROLLABLE

tapered, guide wire lockable

2



Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
990137101	standard, with inside platinum ring	2,6 > 1,8	200	0.035

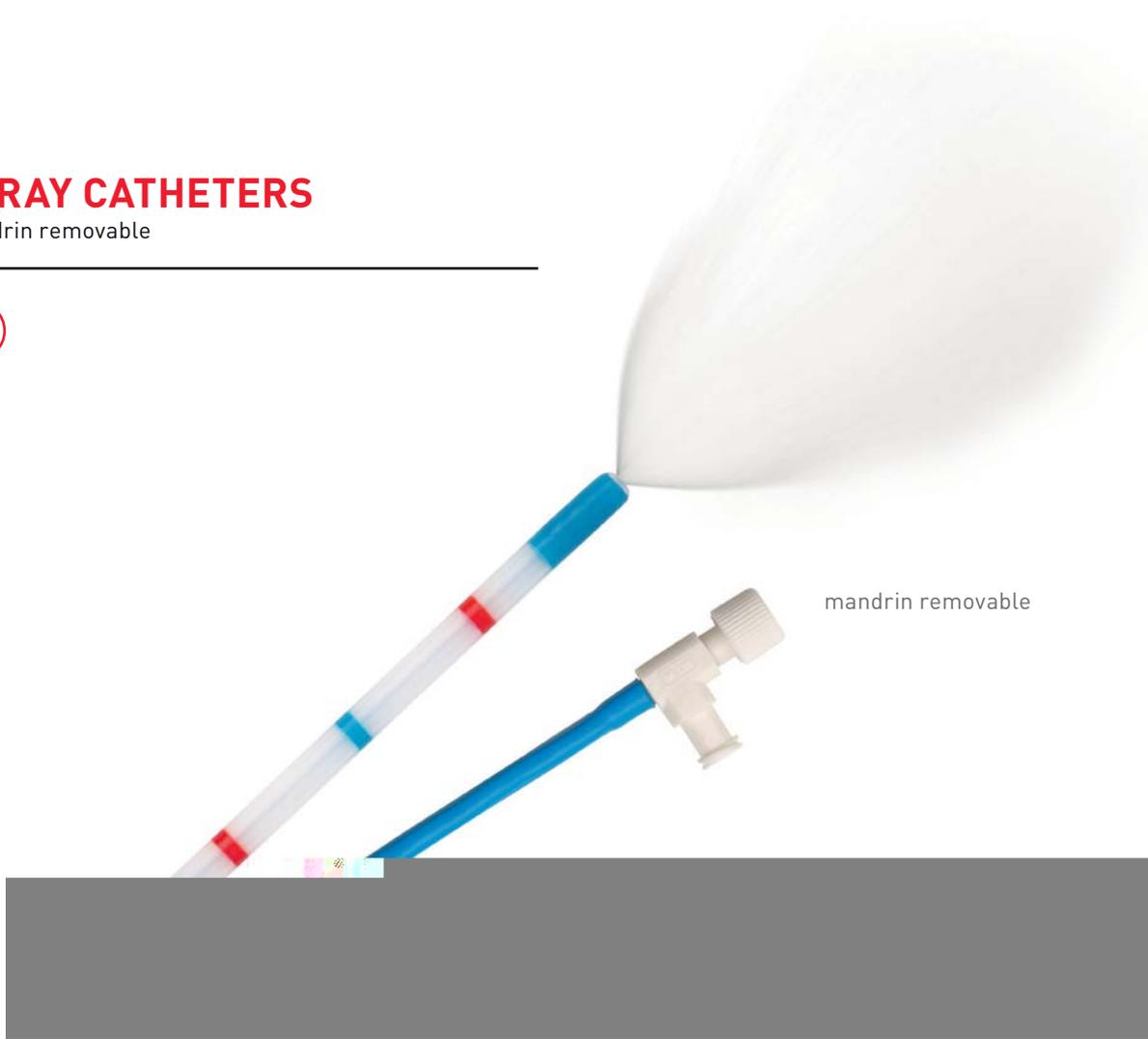
SPRAY CATHETERS AND WASH-OUT PROBES



SPRAY CATHETERS

mandrin removable

2

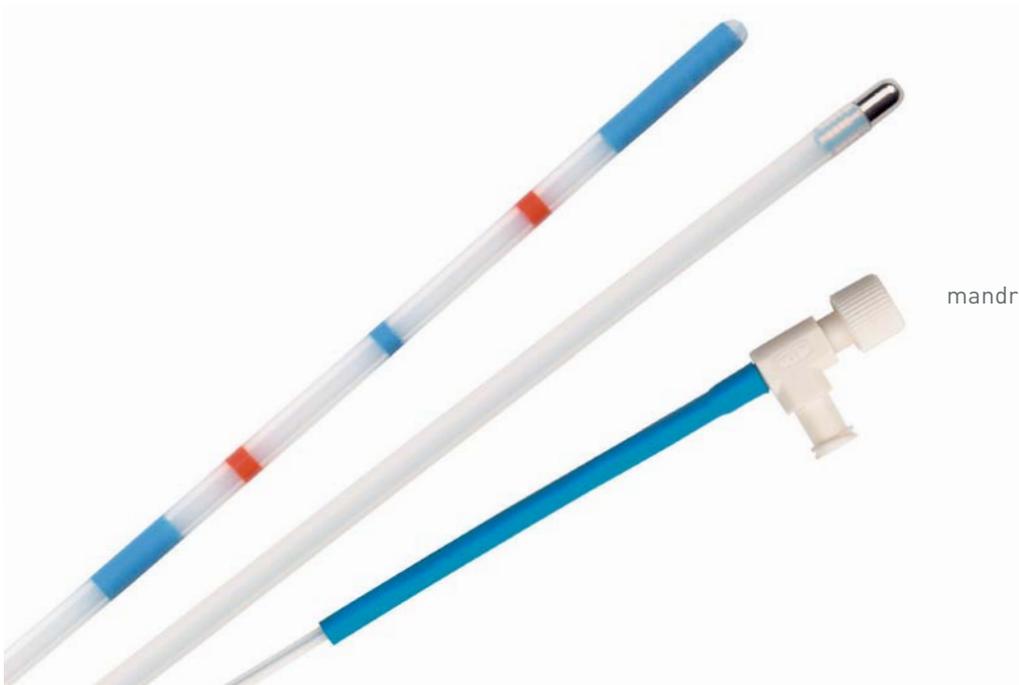


Article no.	Diameter mm	Length cm	
99110101210	1,8	120	
99130101210	1,8	250	
990101310	2,3	215	
99130101310	2,3	250	

Figure shows article REF 990101310

WASH-OUT PROBES

mandrin removable



mandrin removable

Article no.	Catheter tip	Diameter mm	Length cm
99112000210*	without metal head, sheath without ring marking	1,8	120
99110120100	without metal head, sheath with ring marking	1,6	120
99112100210	without metal head, sheath with ring marking	1,8	120
99110130900	without metal head, sheath with ring marking	2,3	120
990131210	with metal head, sheath without ring marking	2,3	230
99112101210	with metal head, sheath with ring marking	1,8	120
99113101210	with metal head, sheath with ring marking	2,3	120

Figure shows article REF 990131210, 99110130900

* With LLT-Connector without mandrin

PAPILLOTOMES CYSTOSTOME ESD-KNIVES

COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



— Suitable for guide wire 0.035 inch



— Suitable for guide wire 0.025 inch



— Suitable for guide wire 0.018 inch



— Suitable for double- and single-balloon enteroscopy, 250 cm



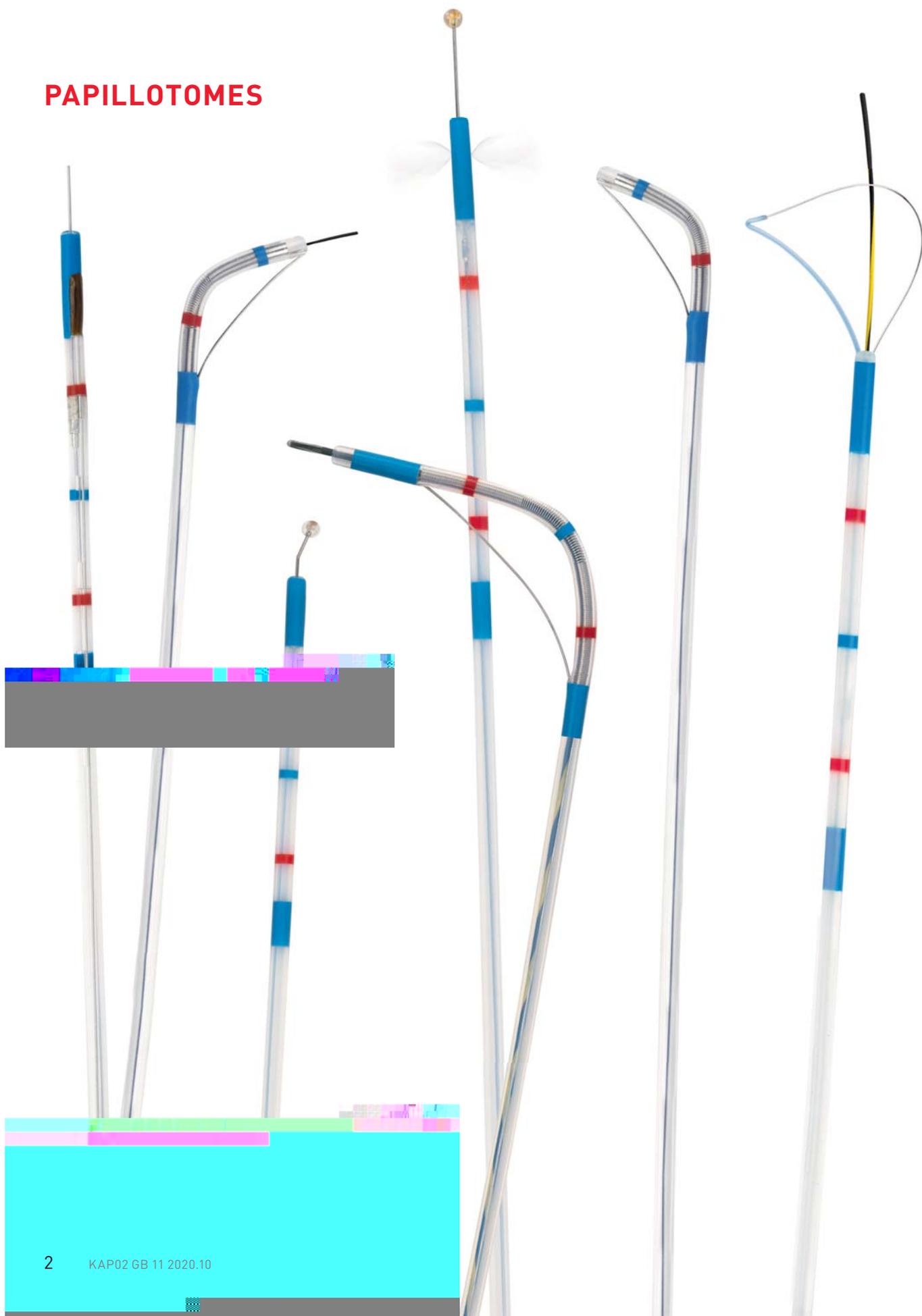
— Suitable for double- and single-balloon enteroscopy, 280 cm



— Suitable for bronchoscopy, 120 cm

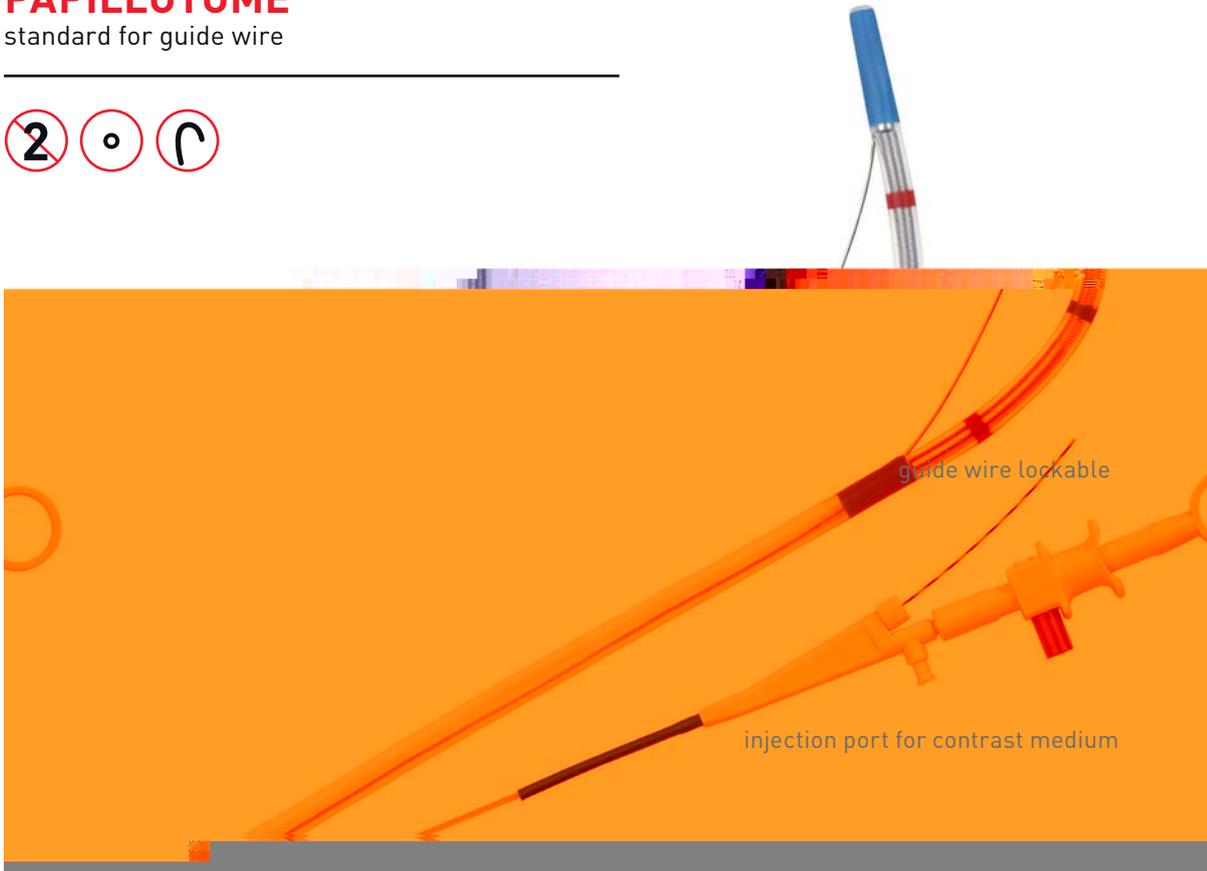
We reserve the right to make technical changes and to deviate from the depicted images.

PAPILLOTOMES



PAPILLOTOME

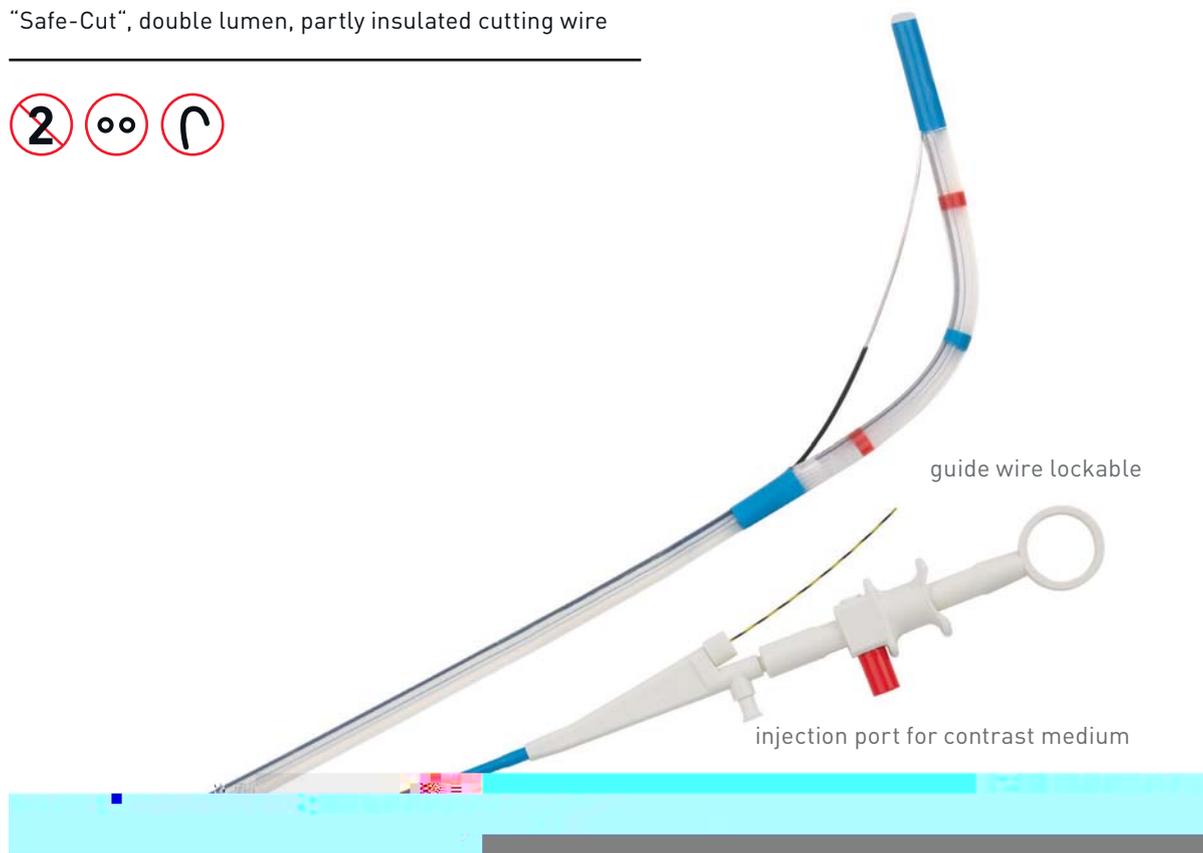
standard for guide wire



Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99023031	5 mm guiding tip	yes	0.035	30	11 h	2,3 > 1,8	215

PAPILLOTOME

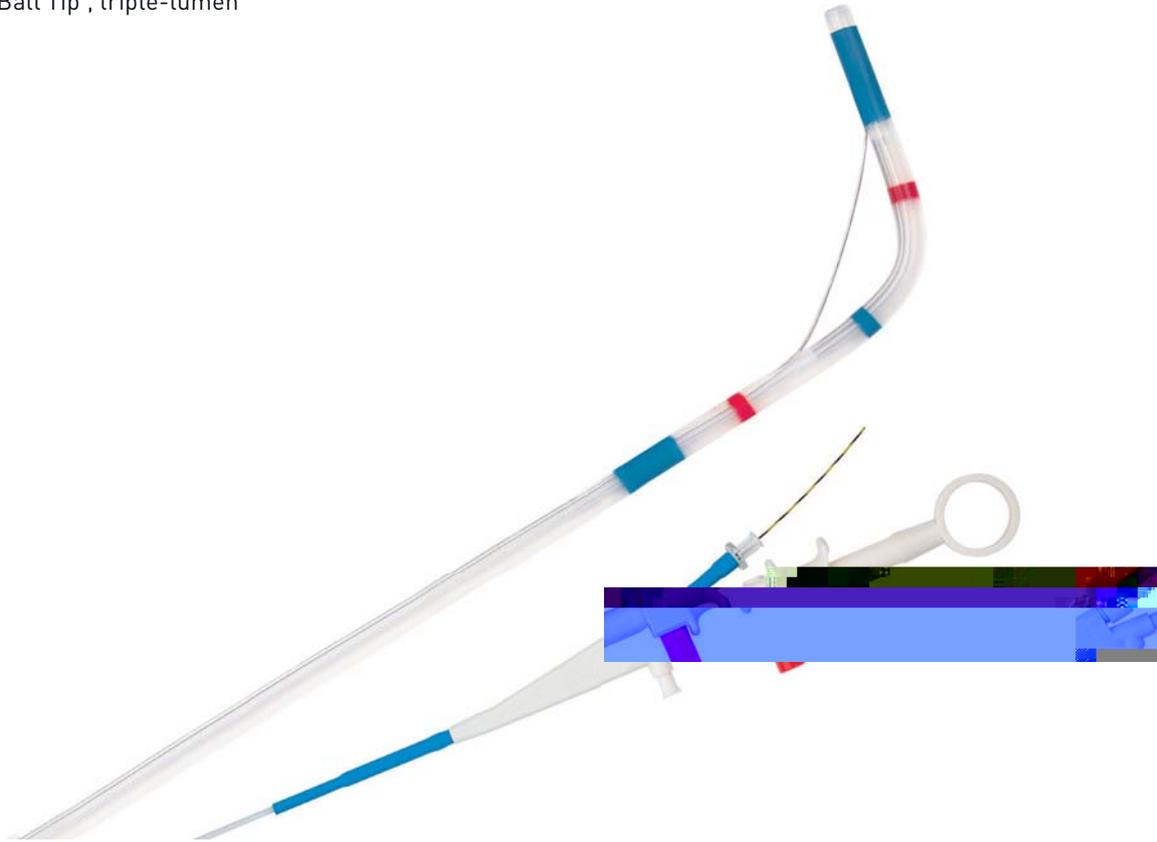
"Safe-Cut", double lumen, partly insulated cutting wire



Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99028241	8 mm guiding tip	yes	0.035	30, partly insulated	11 h	2,3 > 1,8	215

PAPILLOTOMES

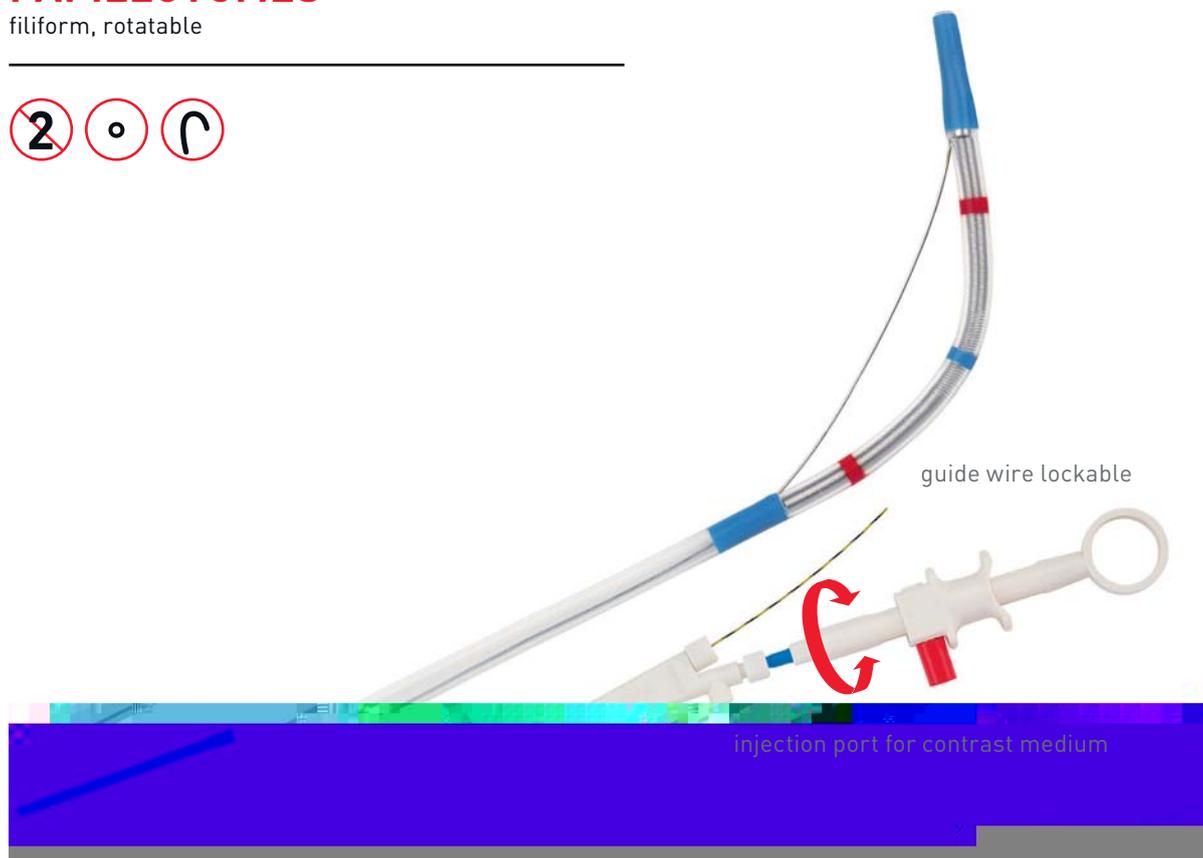
"Ball Tip", single-lumen
"3L Ball Tip", triple-lumen



Article no.	Special features	Lumen	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99023671	7 mm rounded radiopaque tip single-lumen		yes	0.035	20	11 h	2,3 > 1,8	215
99023071	7 mm rounded radiopaque tip single-lumen		yes	0.035	30	11 h	2,3 > 1,8	215
99023361	8 mm rounded radiopaque tip triple-lumen		yes	0.035	20	12 h	2,45 > 1,95	215
99023371	8 mm rounded radiopaque tip triple-lumen							

PAPILLOTOMES

filiform, rotatable



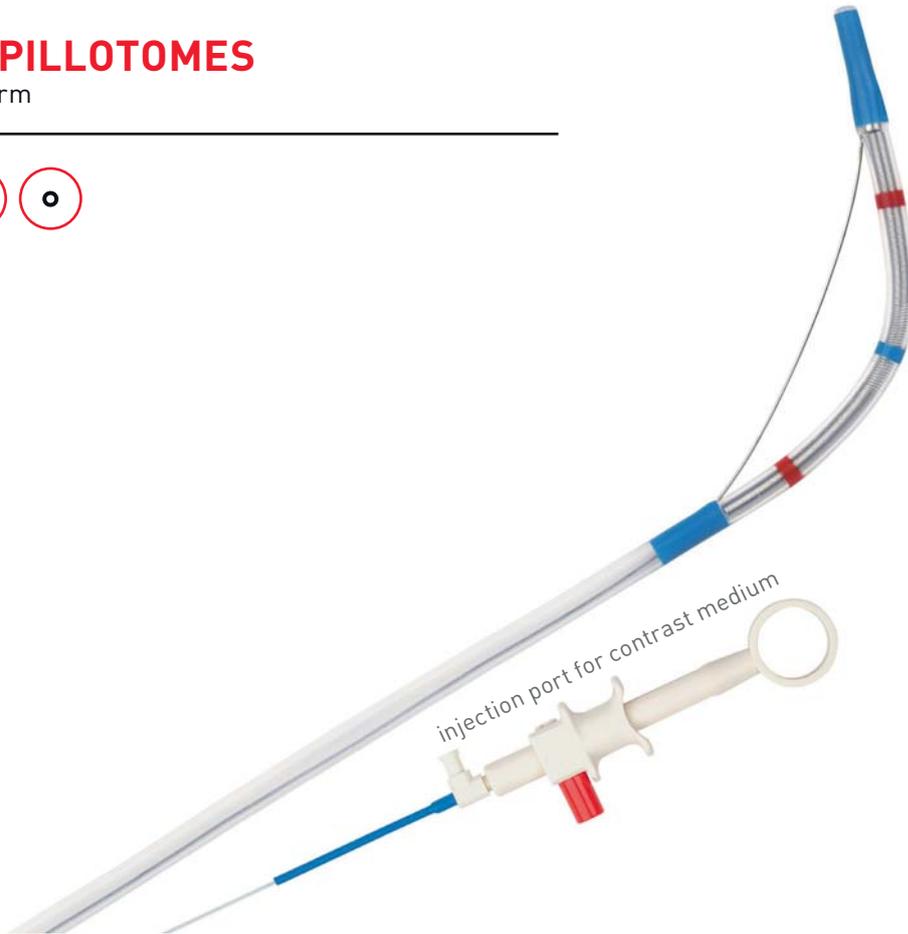
Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99021651*)	7 mm radiopaque tip	yes	0.018	20	11 h	1,6	215
99023681	7 mm radiopaque tip	yes	0.035	20	11 h	2,3 > 1,8	215
99023081	7 mm radiopaque tip	yes	0.035	30	11 h	2,3 > 1,8	215

Figure shows article REF 99023081

*) without shape-stabilizer

PAPILLOTOMES

filiform

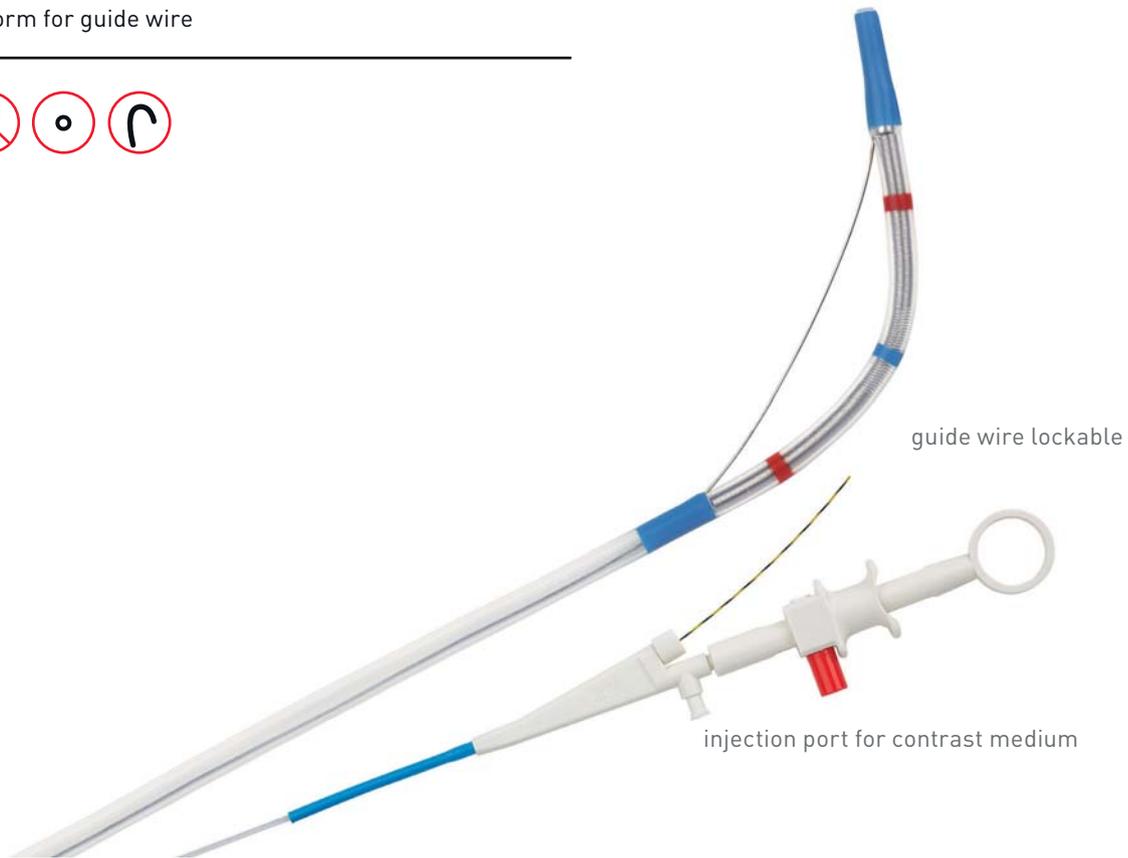


Article no.	Special features	Cutting length mm	Cutting direction	Diameter mm	Length cm
99020051	7 mm radiopaque tip	30	11 h	1,6	215
9913020051	7 mm radiopaque tip	30	11 h	1,6	250

Figure shows article REF 99020051

PAPILLOTOMES

filiform for guide wire

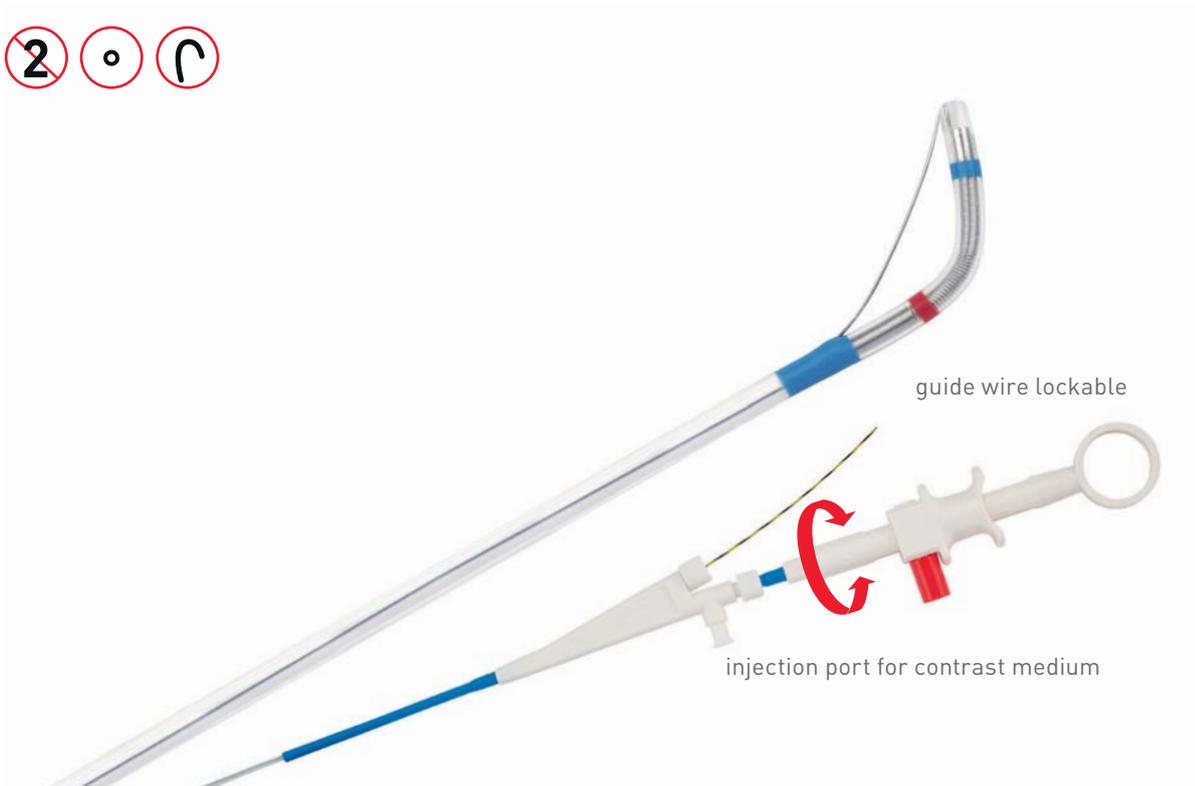


Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99023651	7 mm radiopaque tip	yes	0.035	20	11 h	2,3 > 1,8	215
99023051	7 mm radiopaque tip	yes	0.035	30	11 h	2,3 > 1,8	215
9913023051	7 mm radiopaque tip	yes	0.035	30	11 h	2,3 > 1,8	250

Figure shows article REF 99023051

PAPILLOTOME

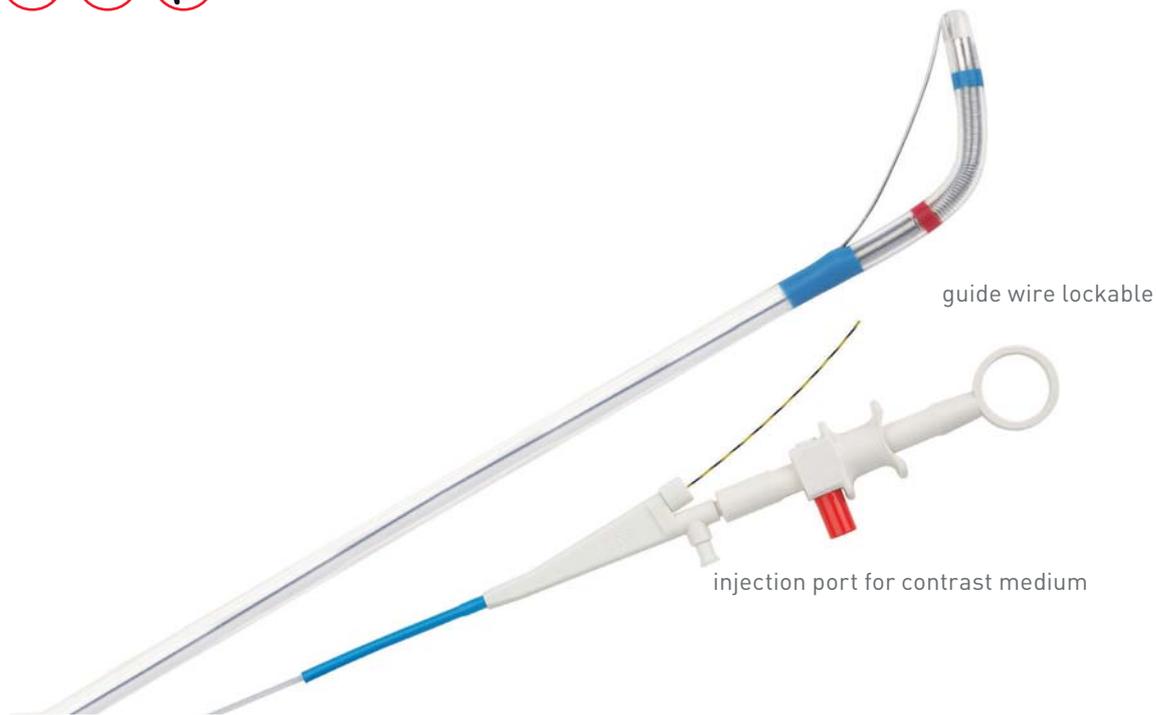
precut, rotatable



Article no.	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99023091	yes	0.035	20	11 h	2,3 > 1,8	215

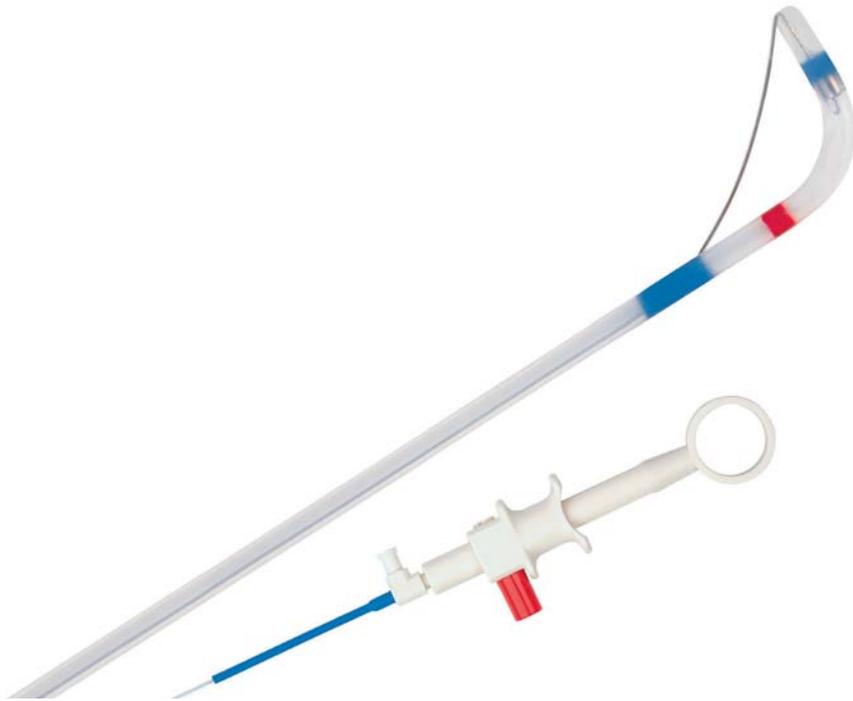
PAPILLOTOME

precut, for guide wire



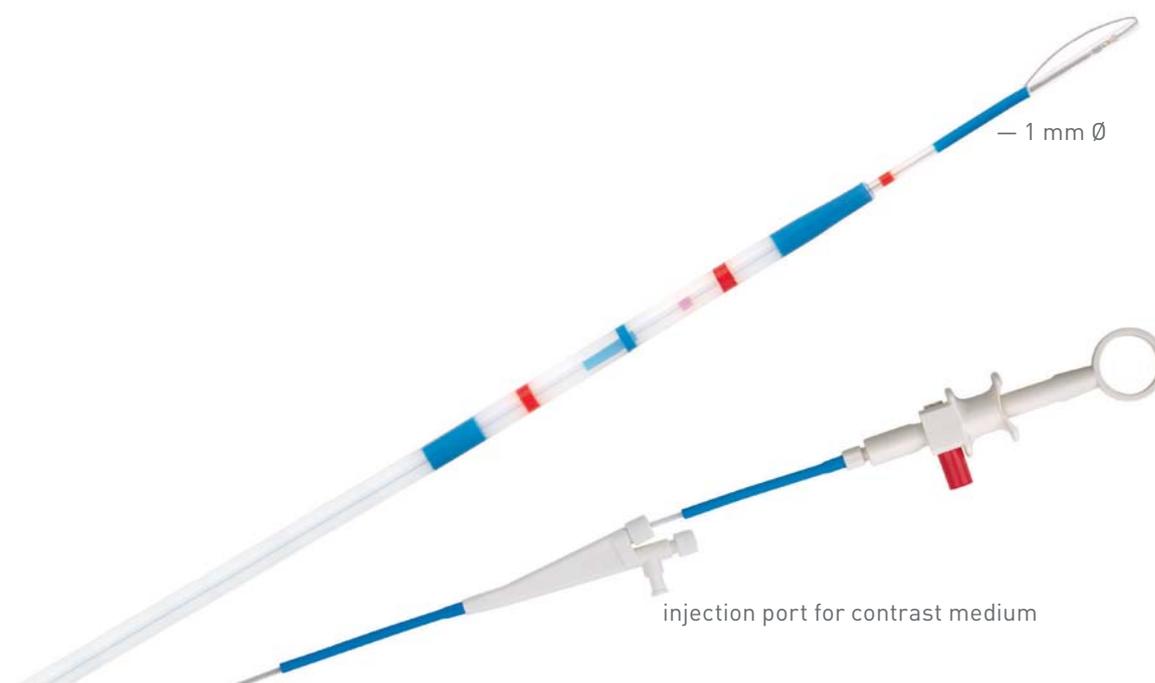
Article no.	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99023011	yes	0.035	20	11 h	2,3 > 1,8	215

PAPILLOTOME
precut



PAPILLOTOMES “EASY-CUT-SET”

- “Easy-Cut-Set”, papillotome, precut, in filiform catheter
- “Easy-Cut-Set 2”, papillotome, precut, in precurved filiform catheter

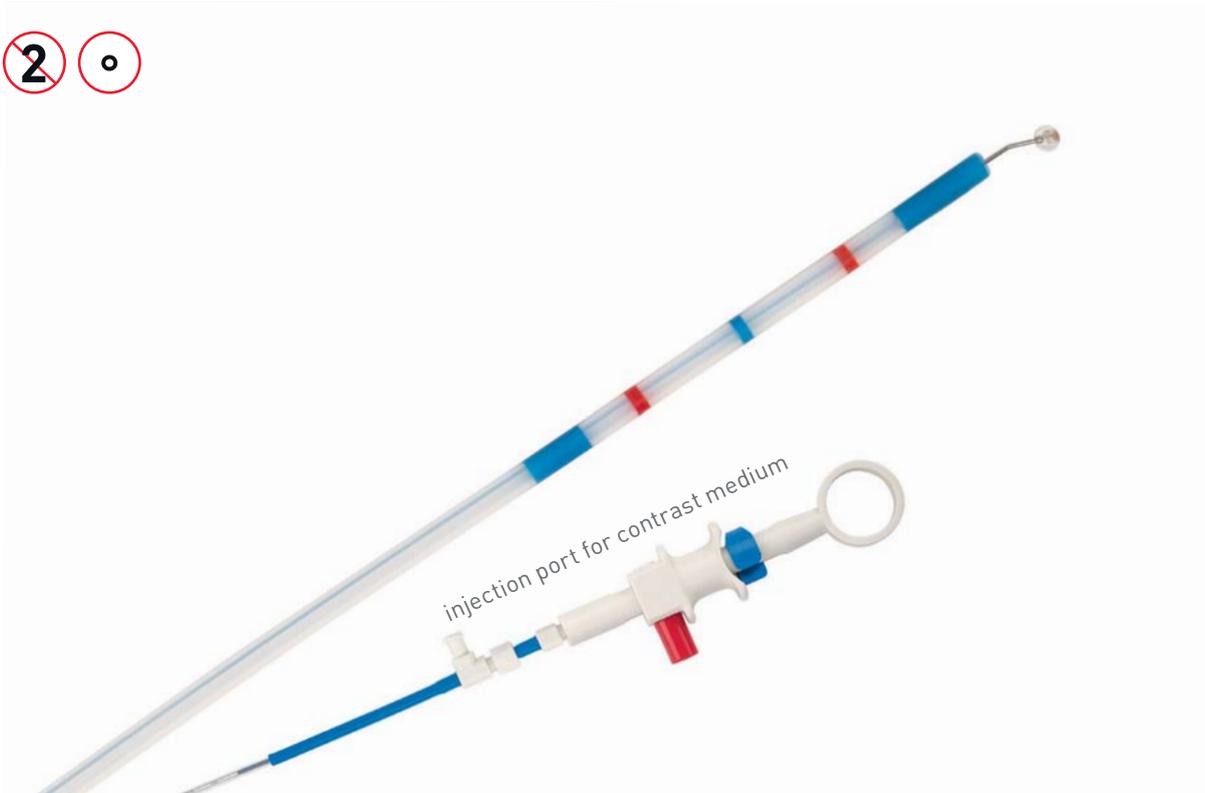


Article no.	Papillotome type	Feather strengthened	Cutting length mm	Cutting direction	Papillotome Ø mm	ERCP-Catheter with filiform tip	ERCP-Catheter Ø mm	Length cm
99020331	precut	yes	10	12 h	1	straight, transparent with ring marking	2,3	230
99020332	precut	yes	10	12 h	1	pre-bend, black	2,3	230

Figure shows article REF 99020331

PAPILLOTOME

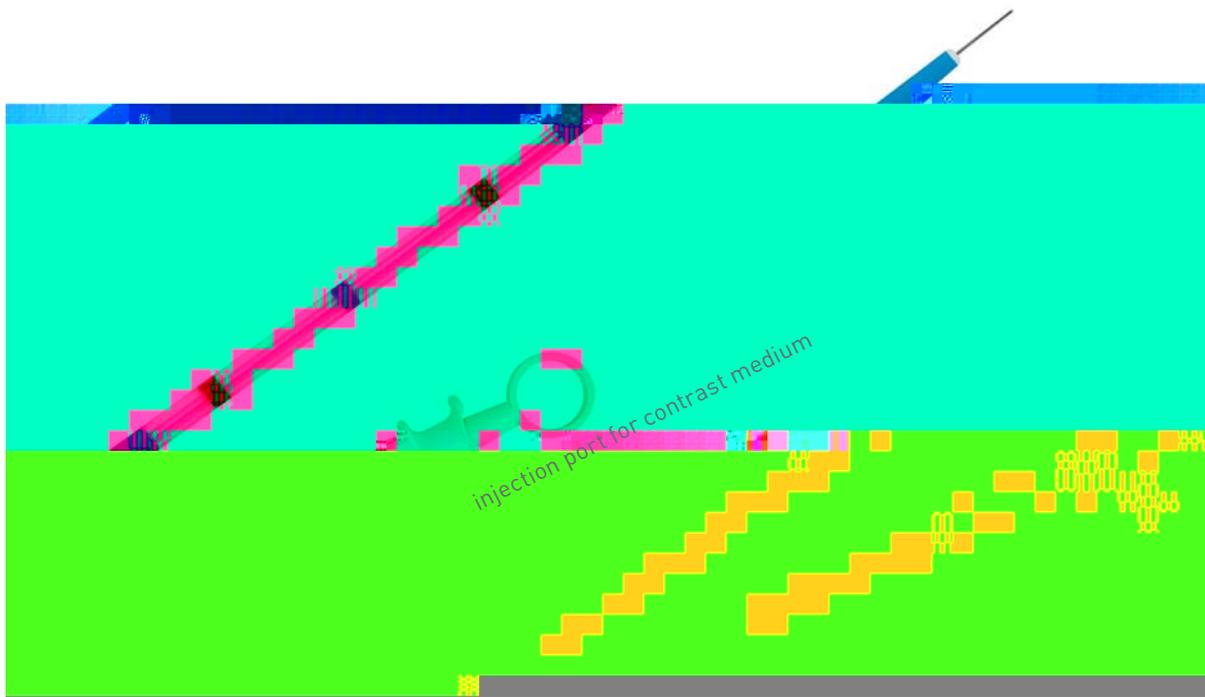
"Angulotome"



Article no.	Diameter of cutting wire mm	Length of cutting wire mm	Diameter mm	Length cm
99028271	0,6	5	2,3	215

PAPILLOTOMES

needle



Article no.	Cutting length mm	Diameter mm	Length cm
99020111	4	1,6	215
99020021	6	1,6	140
99020121	6	1,6	215

Figure shows article REF 99020121

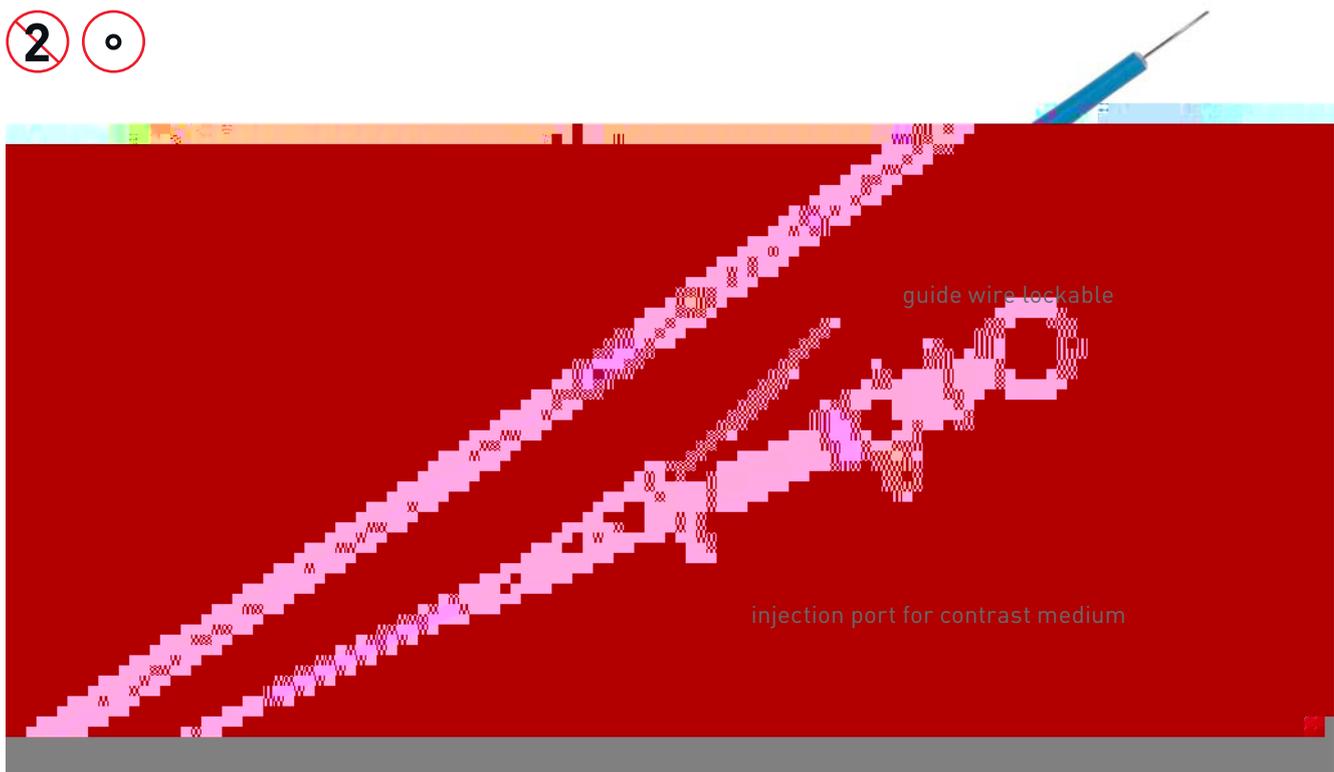
PAPILLOTOME

"ISO-Tome" with lateral openings for contrast medium



Article no.	Cutting length mm	Diameter mm	Length cm
99021281	10	1,6	195

HF-NEEDLES & HF-KNIFE



Article no.	Papillotome type	Cutting length mm	For guide wire inch	Diameter mm	Length cm
99023121	needle	6	0.035	2,3 > 1,8	215
9913023121	needle	6	0.035	2,3 > 1,8	250
99023131	knife	6	0.035	2,3 > 1,8	215

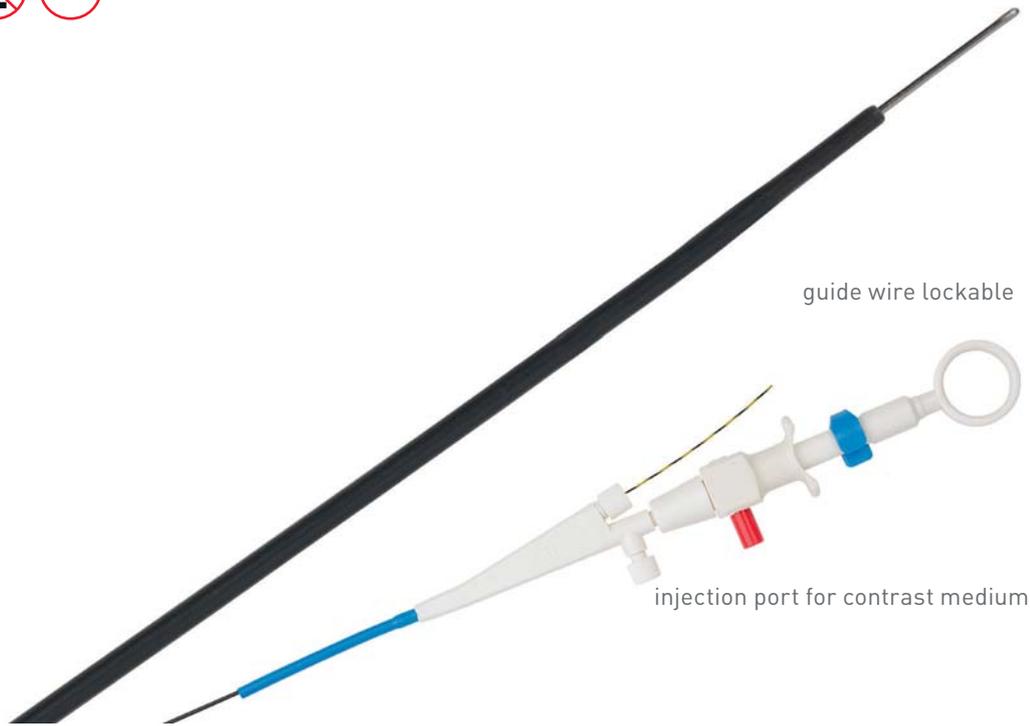
Figure shows article REF 99023121

CYSTOSTOME



CYSTOSTOME

filiform



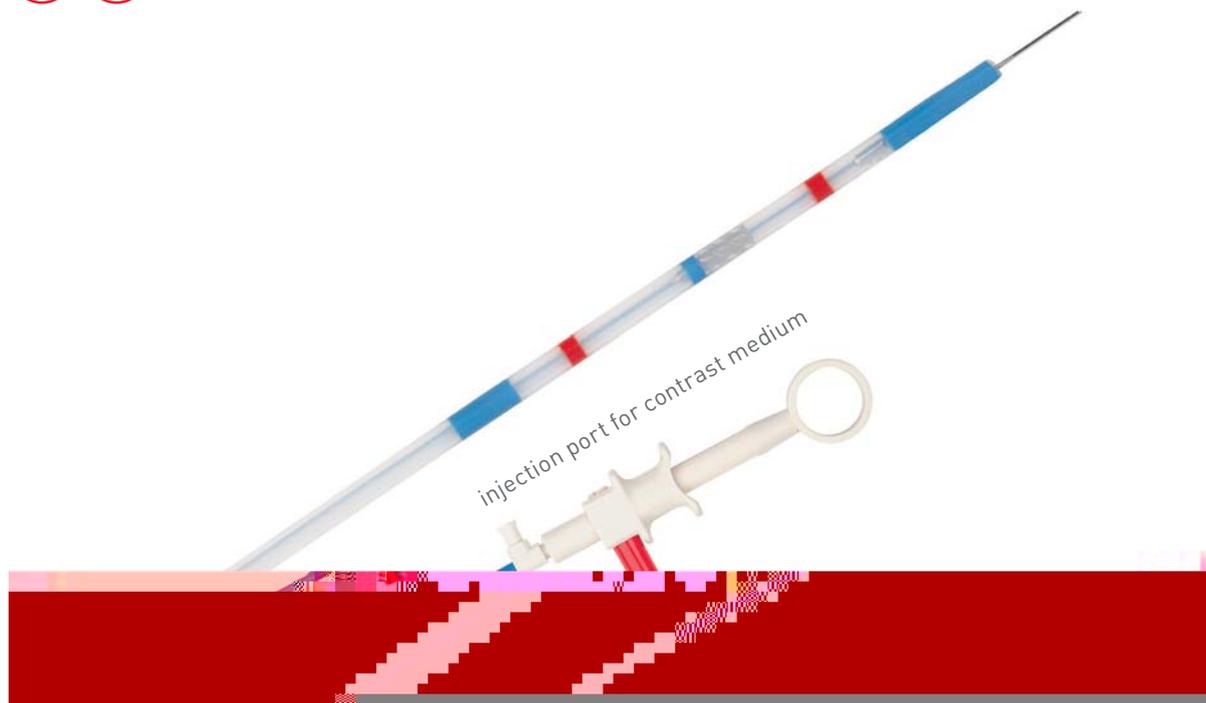
Article no.	Needle diameter mm	Needle length mm	For guide wire inch	Diameter mm	Length cm
99023892	0,6	10	0.035	1,7	200

ESD-KNIVES



ESD-KNIVES

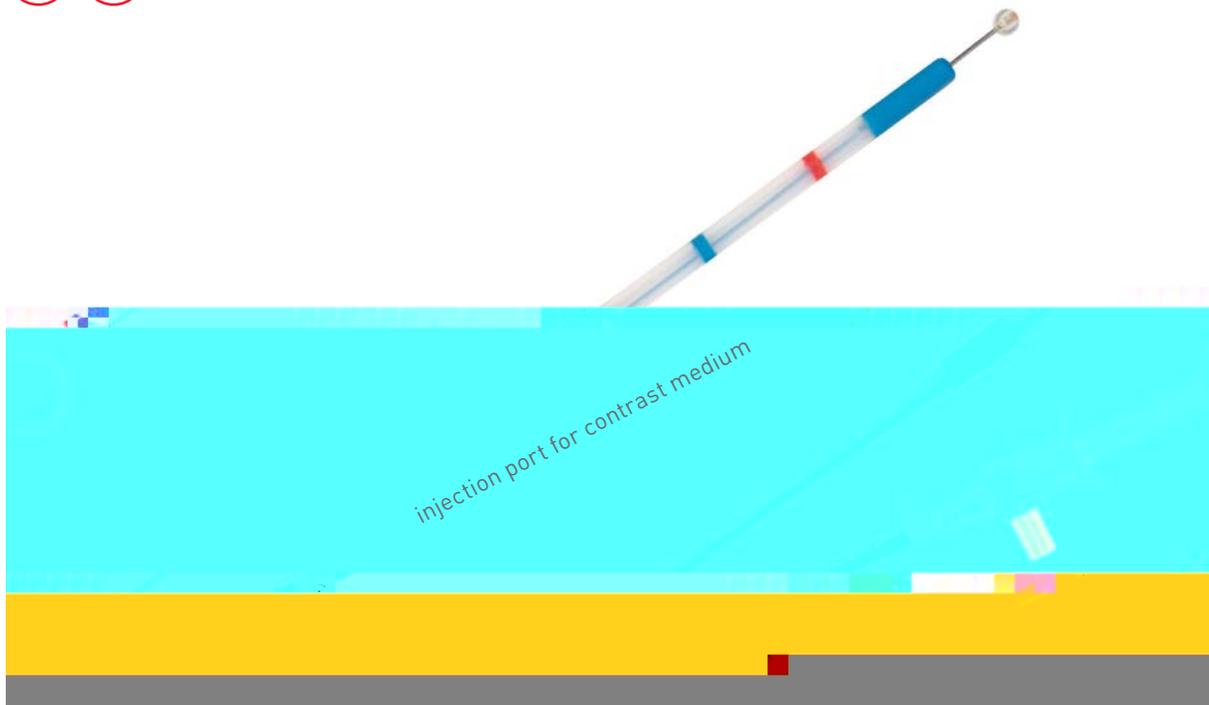
type "a" (needle),
type "a" (needle) controllable



Article no.	Needle diameter mm	Needle length mm	Diameter mm	Length cm	Special features
99020211	0,4	6	1,6	185	

ESD-KNIFE

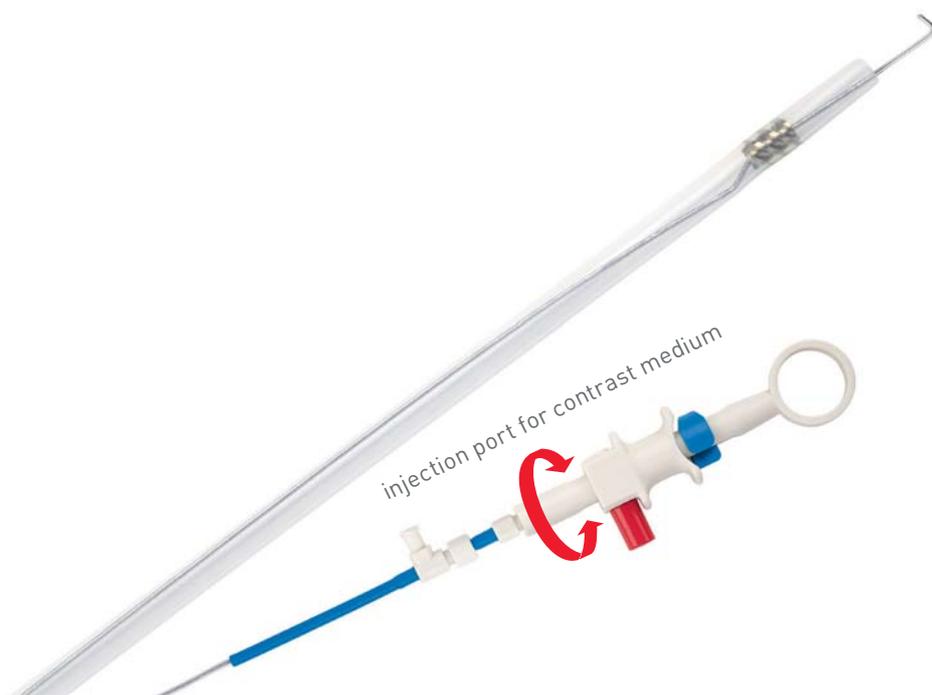
type "b" (ball)



Article no.	Needle diameter mm	Ball diameter mm	Needle length mm	Diameter mm	Length cm
99020271	0,4	2,3	5	2,3	185

ESD-KNIFE

type "c" (hook)



Article no.	Needle diameter mm	Hook length mm	Needle length mm	Diameter mm	Length cm
99020281	0,4	2	5	2,6	185

MTW

ESD-KNIFE

type "f" (flexible tip)



Article no.	Special features	Wire diameter mm	Wire length mm	Diameter mm	Length cm
99020511	sheath tip strengthened	0,25	variable	1,8 > 2,3	185

COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



— Suitable for guide wire 0.035 inch



— Suitable for guide wire 0.025 inch



— Suitable for guide wire 0.018 inch



— Suitable for double- and single-balloon enteroscopy, 250 cm



— Suitable for double- and single-balloon enteroscopy, 280 cm



— Suitable for bronchoscopy, 120 cm

We reserve the right to make technical changes and to deviate from the depicted images.

LITHOTOMY BASKETS LITHOTRIPTOR (SET) BALLOON CATHETERS

03

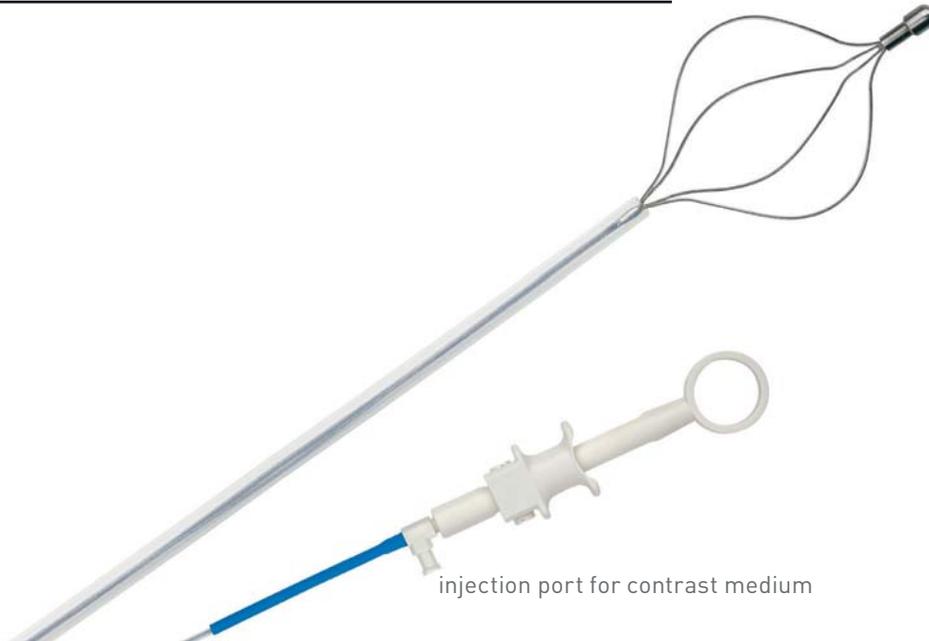
BASKETS



LITHOTOMY BASKETS “EASY-CATCH”

4 wires, twisted with nozzle for contrast medium, suitable for lithotripsy

2



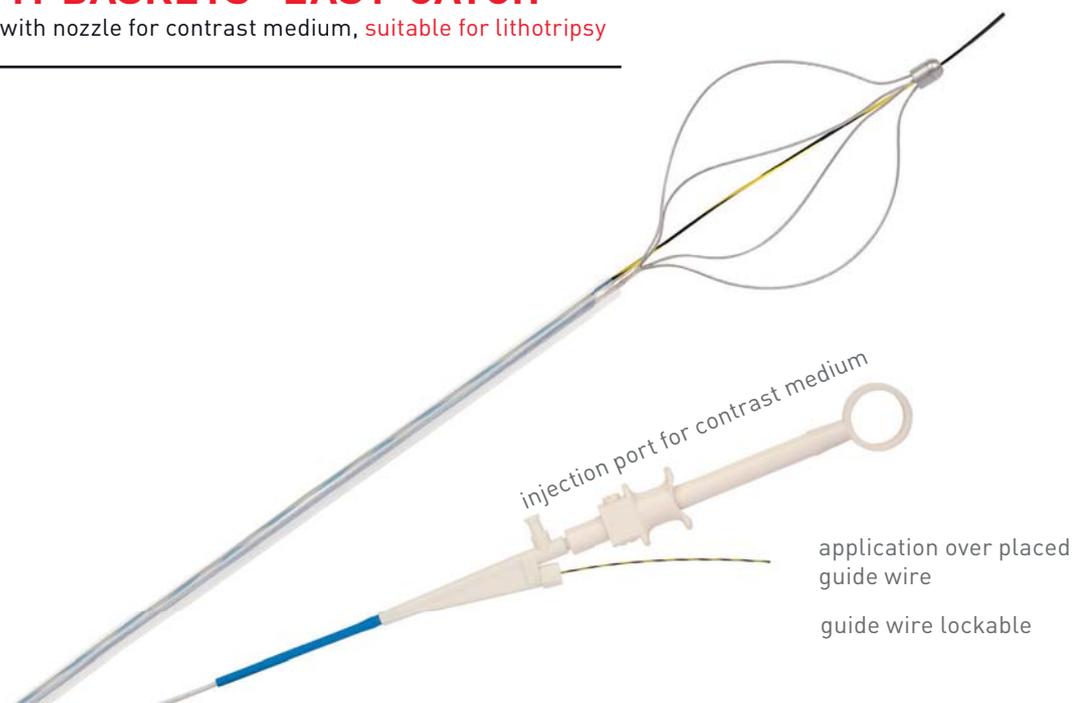
Article no.	Basket expanded dimension		Basket type	Diameter mm	Length cm
	Opening width mm	Opening length mm			
9913031024	20	30	slightly turned	1,8	250
9913031034	20	30	slightly turned	2,3	250
9913031036	30	45	slightly turned	2,3	250
9903103404	20	30	slightly turned	2,6	215
9903103504	25	40	slightly turned	2,6	215
9903103604	30	45	slightly turned	2,6	215
9903103704	40	55	slightly turned	2,6	215
9903103804	45	60	slightly turned	2,6	215

Figure shows article REF 9903103604

LITHOTOMY BASKETS “EASY-CATCH”

4 wires, twisted with nozzle for contrast medium, suitable for lithotripsy

2



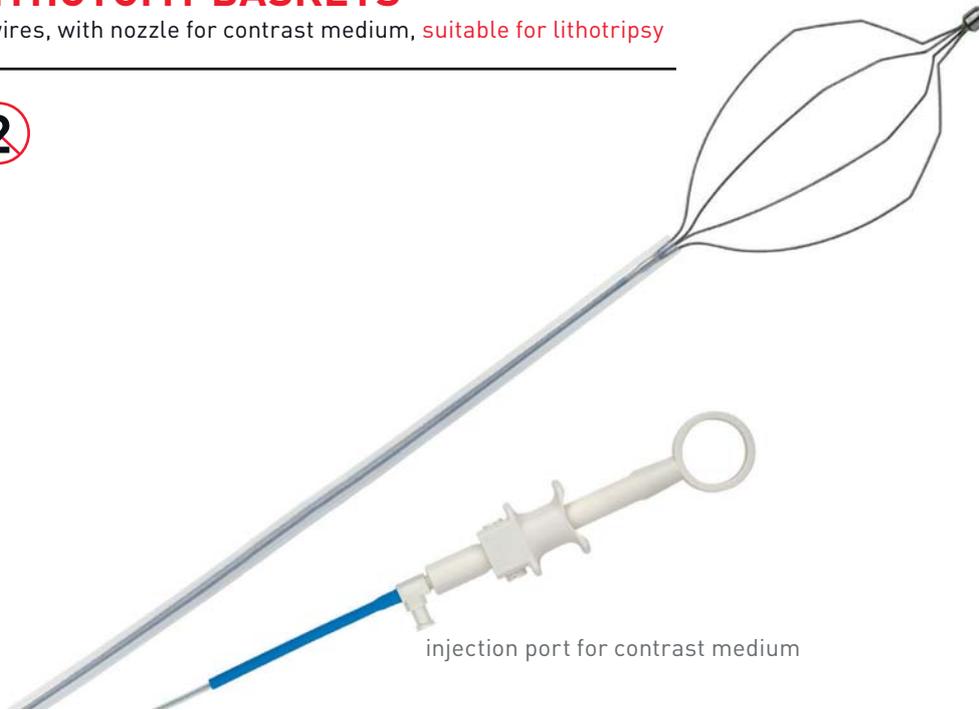
Article no.	Basket expanded dimension		Basket type	For guide wire inch	Diameter mm	Length cm
	Opening width mm	Opening length mm				
9903102324	15	25	slightly turned	0.025	1,8	215
9903102424	20	30	slightly turned	0.025	1,8	215
9903104433	20	30	slightly turned	0.035	2,6	215
9903104533	25	40	slightly turned	0.035	2,6	215
9903104633	30	45	slightly turned	0.035	2,6	215
9903104733	40	55	slightly turned	0.035	2,6	215

Figure shows article REF 9903104633

LITHOTOMY BASKETS

4 wires, with nozzle for contrast medium, suitable for lithotripsy

2



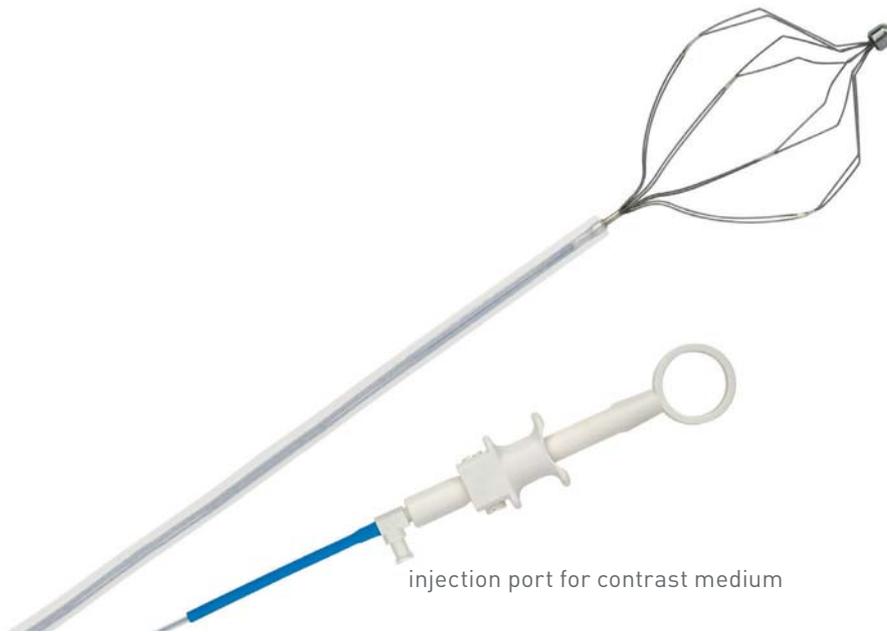
Article no.	Basket expanded dimension		Basket type	Diameter mm	Length cm
	Opening width mm	Opening length mm			
9903112104	10	20	straight	1,8	215
9903112304	15	25	straight	1,8	215
9903112404	20	30	straight	1,8	215
9903112504	25	40	straight	1,8	215
9903112604	30	45	straight	1,8	215
9903112704	40	55	straight	1,8	215
9903112804	45	60	straight	1,8	215
9903113104	10	20	straight	2,6	215
9903113304	15	25	straight	2,6	215
9903113404	20	30	straight	2,6	215
9903113504	25	40	straight	2,6	215
9903113604	30	45	straight	2,6	215
9903113704	40	55	straight	2,6	215
9903113804	45	60	straight	2,6	215

Figure shows article REF 9903113604

LITHOTOMY BASKET

4 to 8 wires, twisted with nozzle for contrast medium, **not** suitable for lithotripsy

2

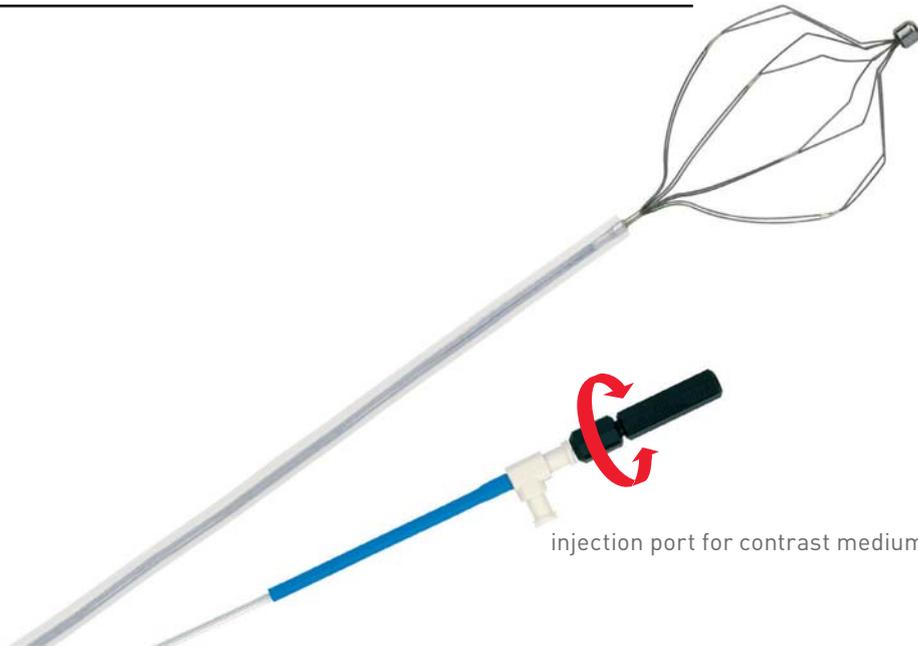


Article no.	Basket expanded dimension		Diameter mm	Length cm
	Opening width mm	Opening length mm		
9903113609	30	45	2,6	215

LITHOTOMY BASKET

4 to 8 wires, rotatable, with nozzle for contrast medium, **not** suitable for lithotripsy

2



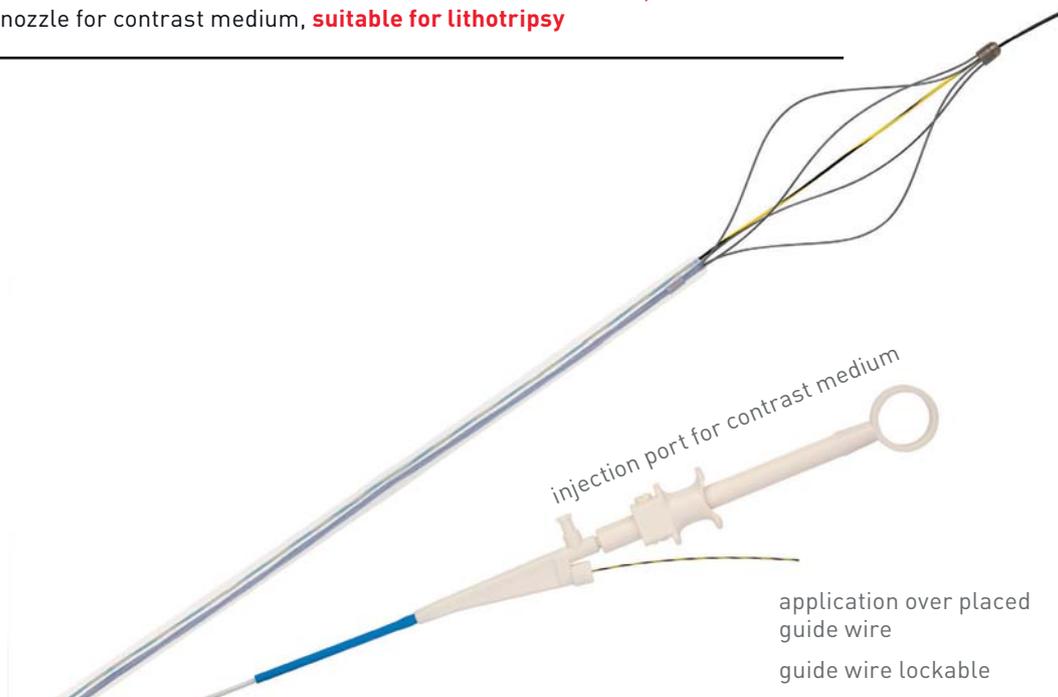
injection port for contrast medium

Article no.	Basket expanded dimension		Basket wire	Diameter mm	Length cm
	Opening width mm	Opening length mm			
9903113608	30	45	twisted	2,6	215

LITHOTOMY BASKETS “POWER-CATCH”, NITINOL

4 wires, with nozzle for contrast medium, suitable for lithotripsy

2



Article no.	Basket expanded dimension		Basket type	For guide wire inch	Diameter mm	Length cm
	Opening width mm	Opening length mm				
9903163432	25	40	turned	0.035	2,9	215
9903163632	30	45	turned	0.035	2,9	215
9903163832	40	55	turned	0.035	2,9	215
9903173632 *)	30	45	turned	0.035	2,9	180

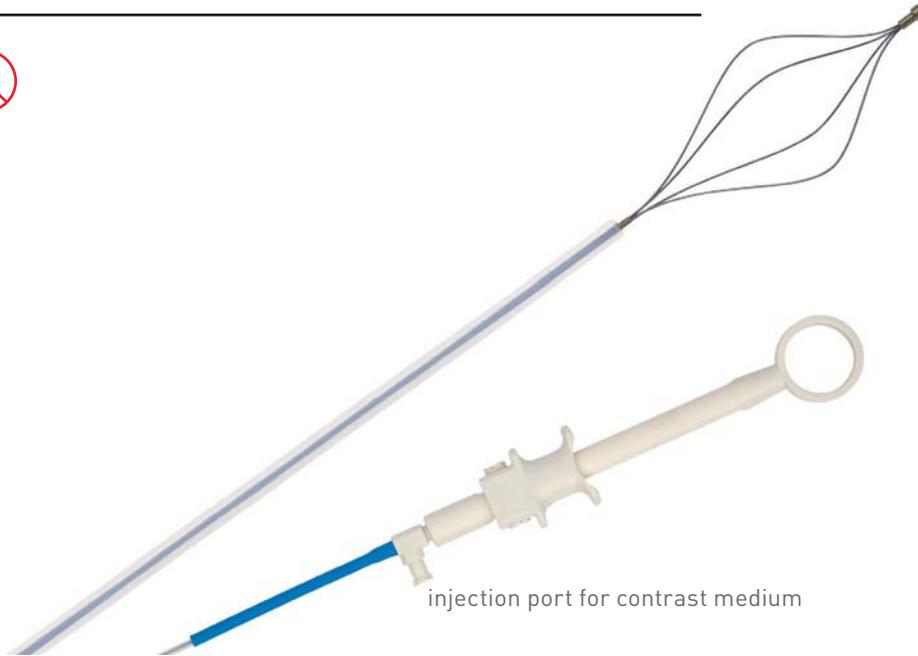
Figure shows article REF 9903163632

*) Pulling wire is PTFE coated

LITHOTOMY BASKETS, NITINOL

4 wires, with nozzle for contrast medium, **not** suitable for lithotripsy

2



injection port for contrast medium

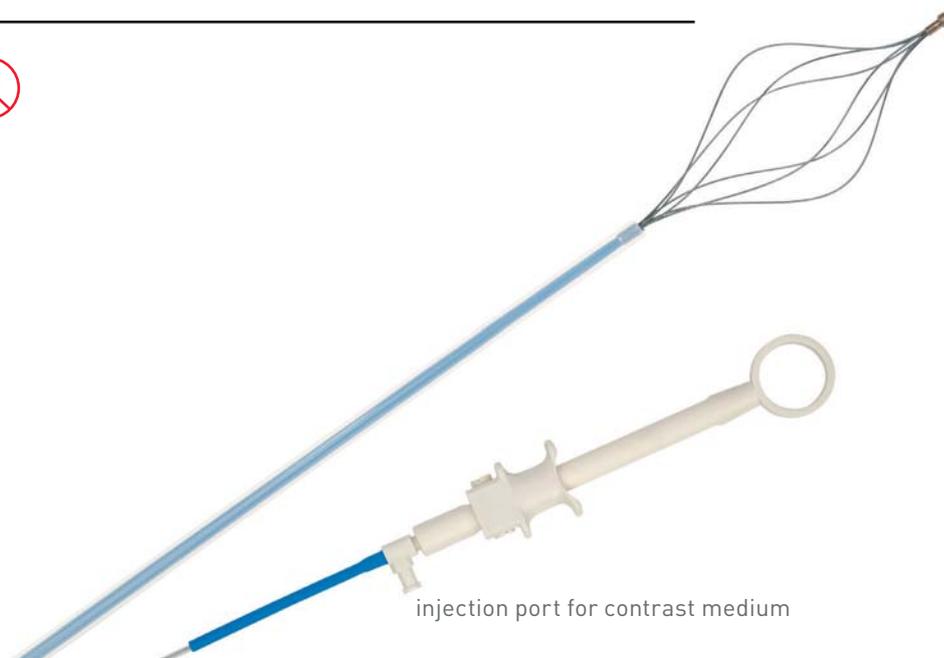
Article no.	Basket expanded dimension		Basket type	Diameter mm	Length cm
	Opening width mm	Opening length mm			
9903112302	15	25	straight	1,8	215
9903112402	20	30	straight	1,8	215
9903112502	25	40	straight	1,8	215
9903112602	30	45	straight	1,8	215
9903112702	35	55	straight	1,8	215
9903113302	15	25	straight	2,3	215
9903113402	20	30	straight	2,3	215
9903113502	25	40	straight	2,3	215
9903113602	30	45	straight	2,3	215
9903113702	35	55	straight	2,3	215

Figure shows article REF 9903113602

LITHOTOMY BASKETS, NITINOL

6 wires with nozzle for contrast medium, **not** suitable for lithotripsy

2



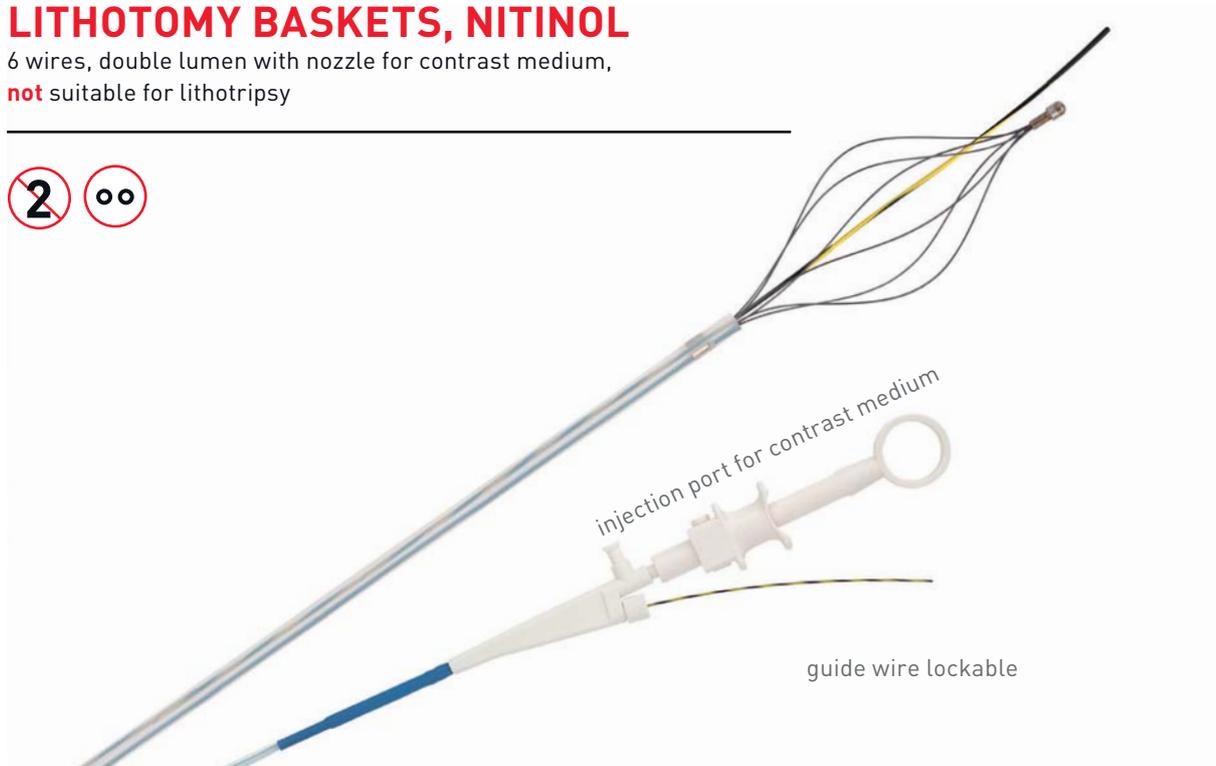
injection port for contrast medium

Article no.	Basket expanded dimension		Basket type	Diameter mm	Length cm
	Opening width mm	Opening length mm			
9903122303	15	25	turned	1,8	215
9903122403	20	30	turned	1,8	215
9903122503	25	40	turned	1,8	215
9903122603	30	45	turned	1,8	215
9903122703	35	55	turned	1,8	215
9903123303	15	25	turned	2,3	215
9903123403	20	30	turned	2,3	215
9903123503	25	40	turned	2,3	215
9903123603	30	45	turned	2,3	215
9903123703	35	55	turned	2,3	215

Figure shows article REF 9903123603

LITHOTOMY BASKETS, NITINOL

6 wires, double lumen with nozzle for contrast medium,
not suitable for lithotripsy



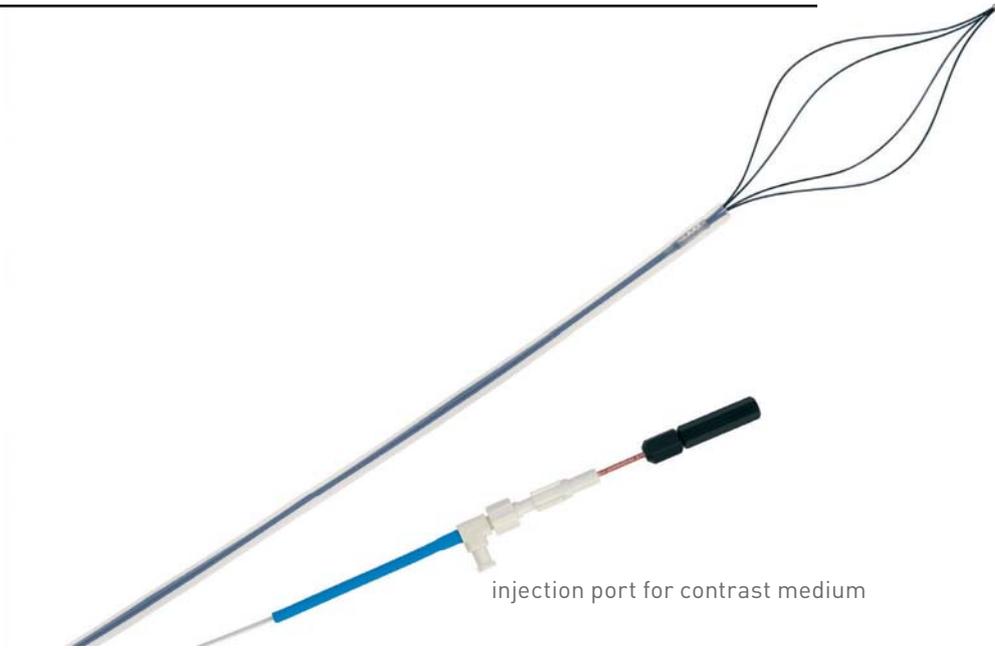
Article no.	Basket expanded dimension		Basket type	For guide wire inch	Diameter mm	Length cm
	Opening width mm	Opening length mm				
9903116332	15	25	turned	0.035	2,7	215
9903116432	20	30	turned	0.035	2,7	215
9903116532	25	40	turned	0.035	2,7	215

Figure shows article 9903116432

LITHOTOMY BASKET “MICRO-CATCH”, NITINOL

4 wires with nozzle for contrast medium, **not** suitable for lithotripsy

2

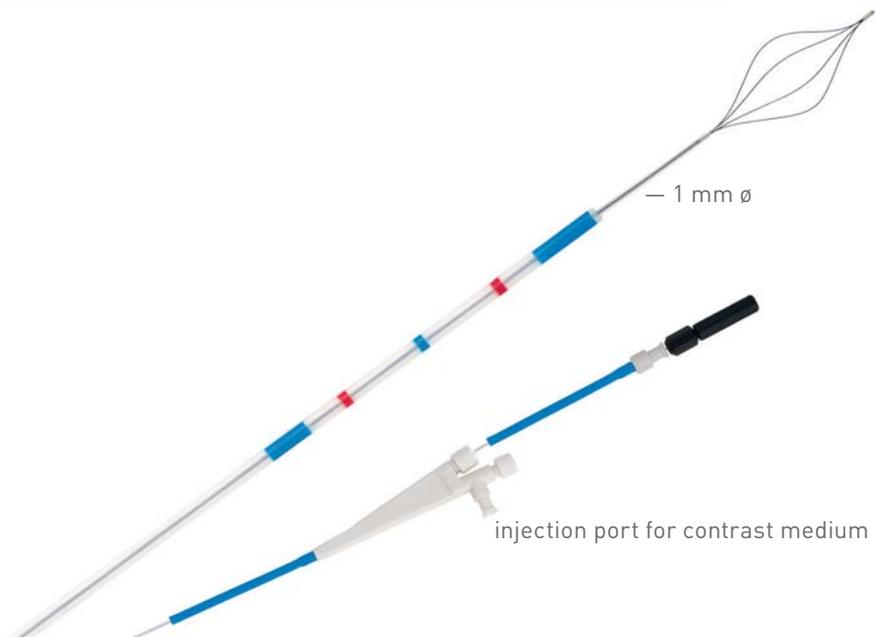


Article no.	Basket expanded dimension		Basket type	Diameter mm	Length cm
	Opening width mm	Opening length mm			
9903121102	15	30	straight	1,0	240

LITHOTOMY BASKET “MINI-CATCH-SET“, NITINOL

4 wires, lithotomy basket in filiform ERCP-catheter with nozzle for contrast medium,
not suitable for lithotripsy

2



Article no.	Basket expanded dimension		Basket type	Guide wire for ERCP-Catheter inch	Diameter Basket mm	Diameter ERCP-Catheter mm	Length cm
	Opening width mm	Opening length mm					
9903121209	15	30	straight	0.035	1,0	2,3	200





123 Stonecrusher

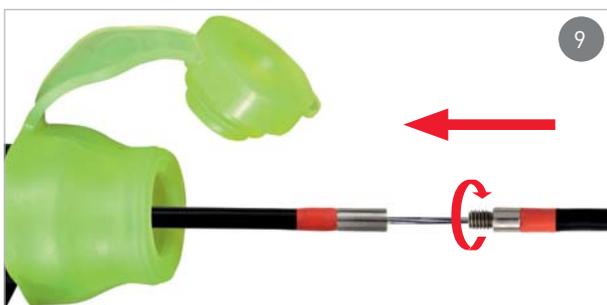
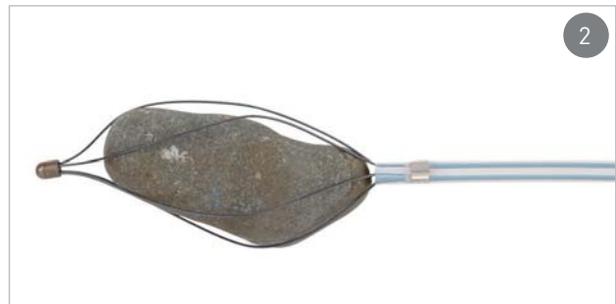
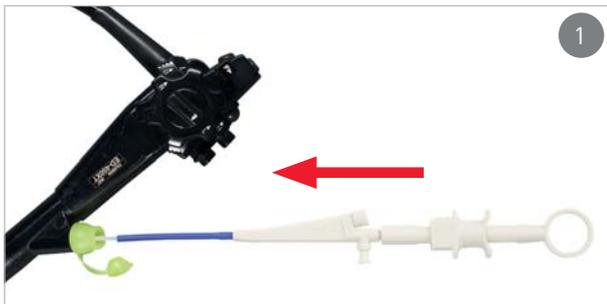
Transendoscopic stone crushing latest generation

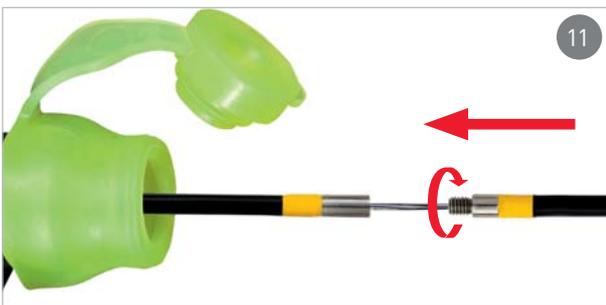
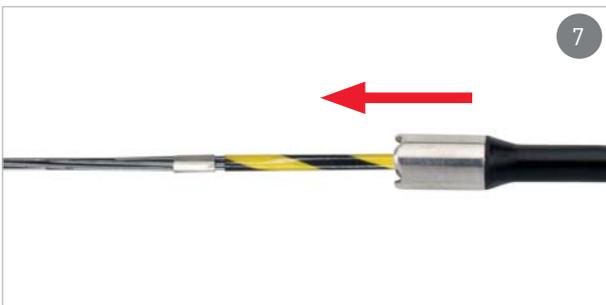
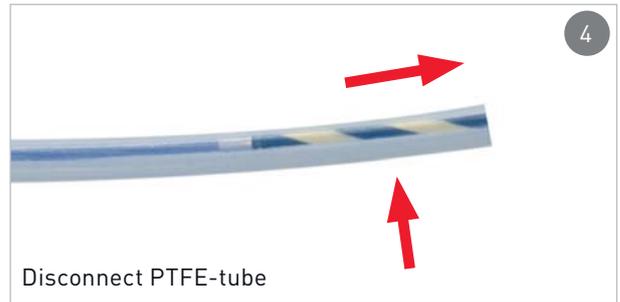
TEL
TRANSENDOSCOPIC
LITHOTRIPSY



The principle of the transendoscopic lithotripsy in three steps

Should the stone extraction not succeed after a papillotomy a lithotripsy is necessary. The newly designed 3-part metal tube made by MTW-Endoskopie W. Haag KG allows a transendoscopic lithotripsy even with a lithotomy basket (working length ≥ 215 cm). An emergency lithotripsy without endoscopy is thus generally avoided.



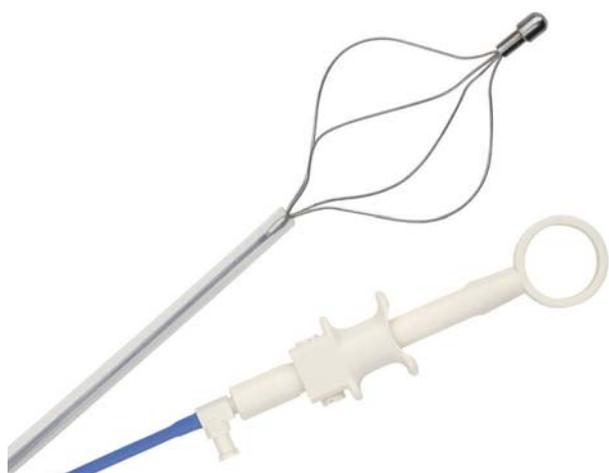


STARTER-KIT COMPLETE SET



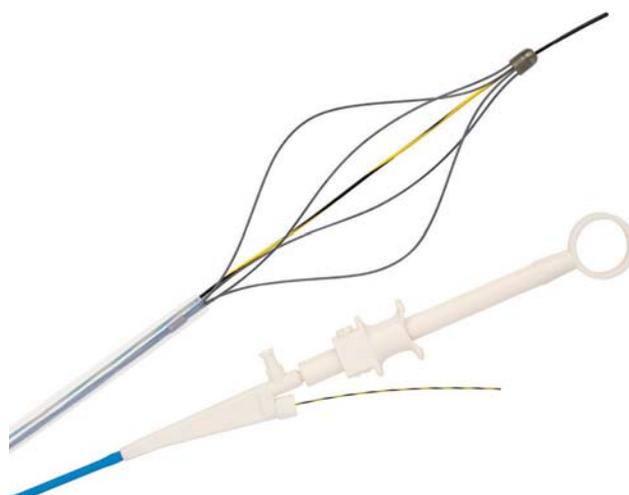
Article no.	Product description (see also tables below)
9903316609	Starter-Kit (4-part set) consisting of:
9903103604	Lithotomy basket, "Easy-Catch"
9903163632	Lithotomy basket, "Power-Catch", Nitinol
990337	Metal tube, 3-part
0335	Handle for lithotripter

The set components for follow-up orders:



Lithotomy basket, "Easy-Catch"
with nozzle for contrast medium, suitable for lithotripsy

Article no.	Basket expanded dimension mm		Ø mm	Length cm
	Opening width	Opening length		
9903103604	30	45	2,6	215



Lithotomy basket, "Power-Catch"
Nitinol, with nozzle for contrast medium, for guide wire 0.035 inch, suitable for lithotripsy

Article no.	Basket expanded dimension mm		Ø mm	Length cm
	Opening width	Opening length		
9903163632	30	45	2,9	215



Handle for lithotripter

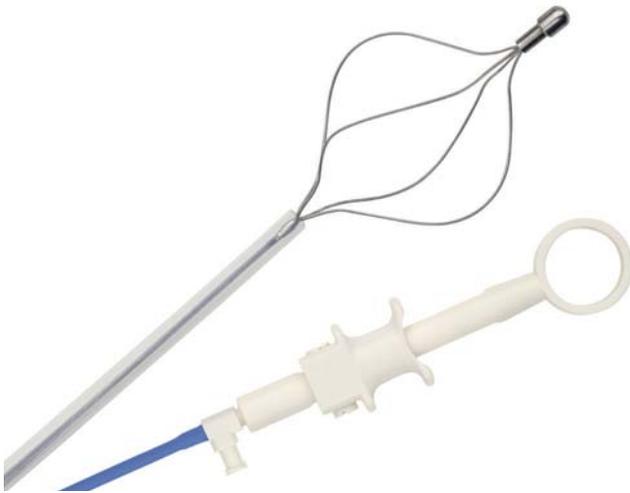
Article no.	
0335	with LL-connector



Metal tube, 3-part

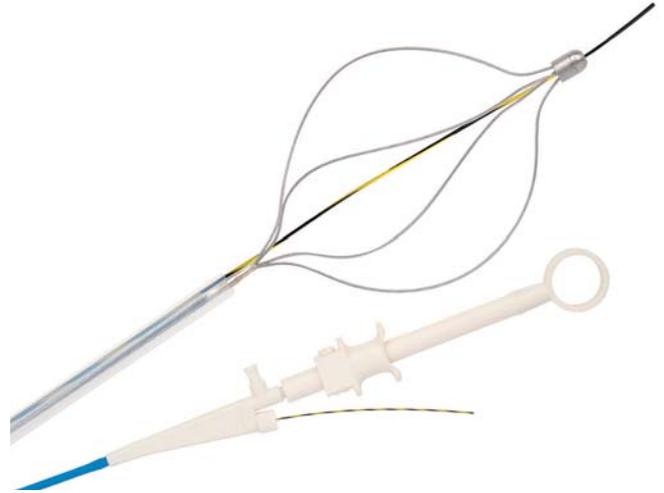
Article no.		Diameter mm	Length cm
990337	3-part	3,1	170

LITHOTOMY BASKETS AND ACCESSORIES OF THE TEL



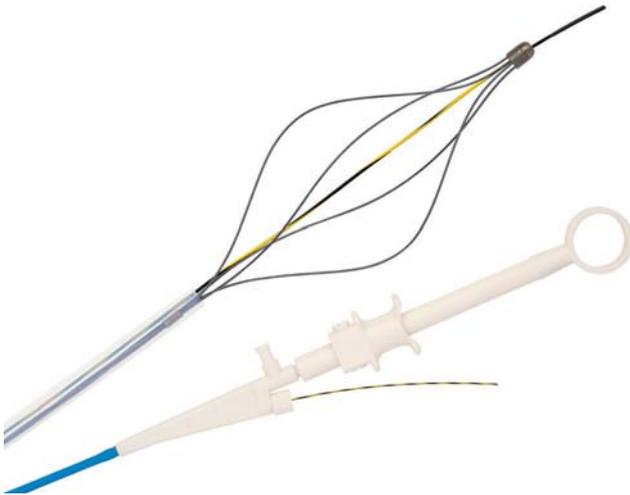
Lithotomy baskets, “Easy-Catch”
with nozzle for contrast medium, suitable for lithotripsy

Article no.	Basket expanded dimension mm		Ø mm	Length cm
	Opening width	Opening length		
9903103404	20	30	2,6	215
9903103504	25	40	2,6	215
9903103604	30	45	2,6	215
9903103704	40	55	2,6	215
9903103804	45	60	2,6	215



Lithotomy baskets, “Easy-Catch”
with nozzle for contrast medium, for guide wire 0.035 inch, suitable for lithotripsy

Article no.	Basket expanded dimension mm		Ø mm	Length cm
	Opening width	Opening length		
9903104433	20	30	2,6	215
9903104533	25	40	2,6	215
9903104633	30	45	2,6	215
9903104733	40	55	2,6	215



Lithotomy baskets, “Power-Catch”
Nitinol, with nozzle for contrast medium, for guide wire 0.035 inch, suitable for lithotripsy

Article no.	Basket expanded dimension mm		Ø mm	Length cm
	Openin width	Openin length		
9903163432	25	40	2,9	215
9903163632	30	45	2,9	215
9903163832	40	55	2,9	215



Emergency metal tube
with LL-connector

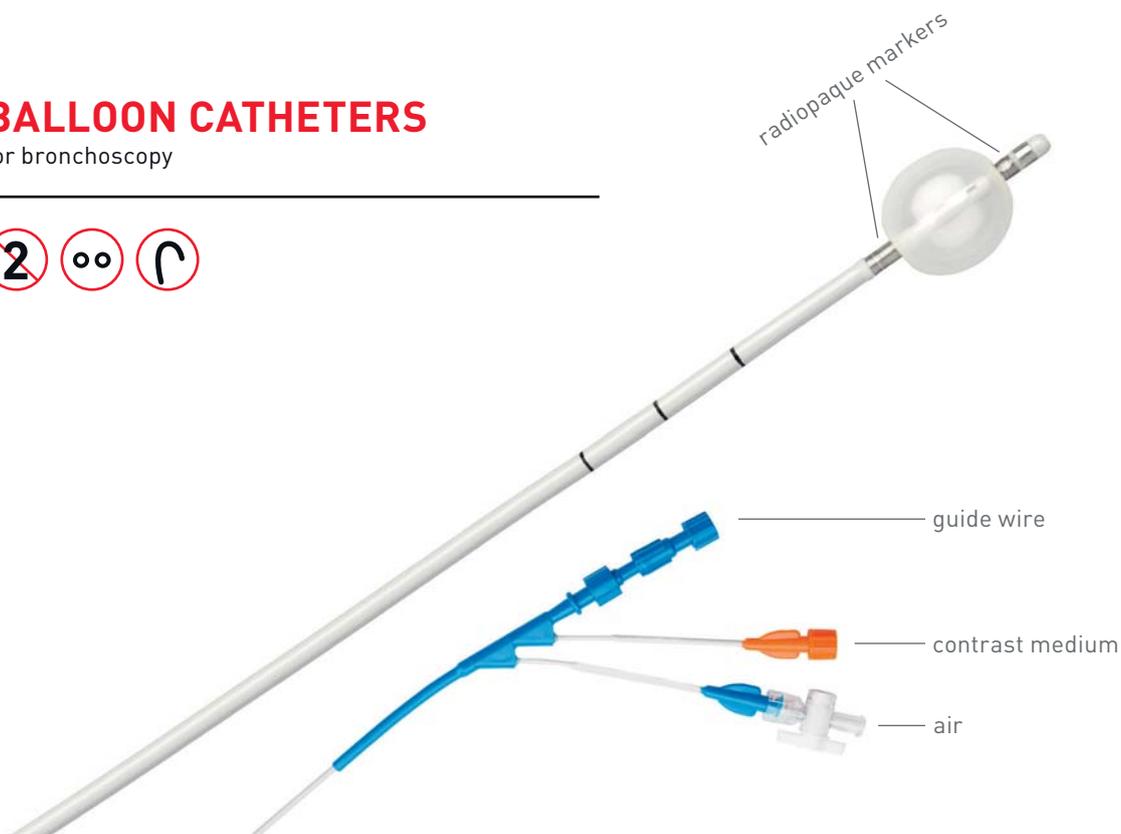
Article no.	Diameter mm	Length cm
9903307	3,8	100

BALLOON CATHETERS



BALLOON CATHETERS

for bronchoscopy

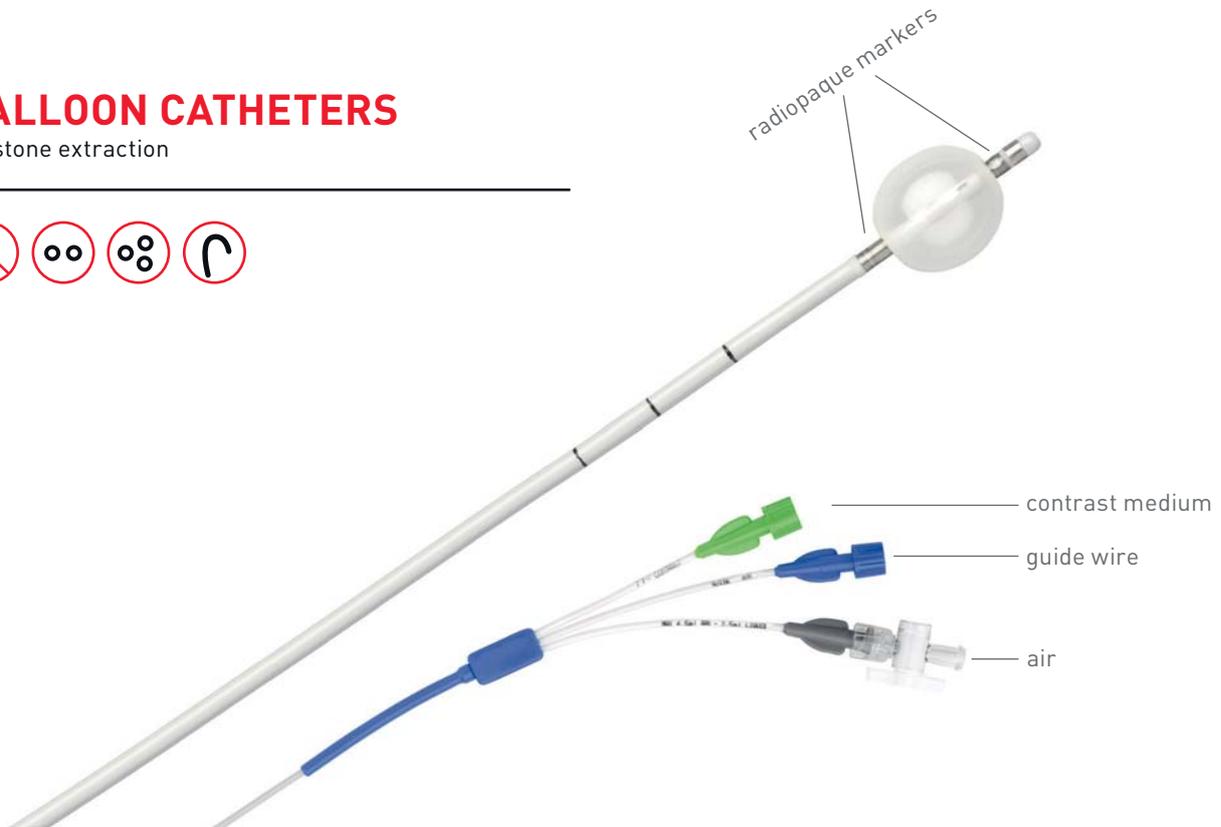


Article no.	Balloon ø mm	Description	For guide wire inch	Diameter Ch.	Length cm
1103205120	12	double lumen, grey catheter	0.025	5	100
1103207230	16	double lumen, grey catheter	0.035	5	100

Figure shows article REF 1103207230

BALLOON CATHETERS

for stone extraction



Article no.	Balloon ø mm	Description	For guide wire inch	Diameter Ch.	Length cm
03205120	12	double lumen, grey catheter	0.025	5	200
03207230	16	double lumen, grey catheter	0.035	7	200
03207232	16	double lumen, grey catheter, tapered	0.035	7 > 5	200
03207330	18	double lumen, grey catheter	0.035	7	200
03207236	16	triple-lumen, grey catheter	0.035	7	200
03207236LF	16	triple-lumen, grey catheter, latexfree	0.035	7	200
03267232	16	triple-lumen, transparent catheter, tapered	0.035	7 > 5	200
03267233	16	triple-lumen, transparent catheter	0.035	7	200
1303267233	16	triple-lumen, transparent catheter	0.035	7	250

Figure shows article REF 03207236

COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



0.035 — Suitable for guide wire 0.035 inch



0.025 — Suitable for guide wire 0.025 inch



0.018 — Suitable for guide wire 0.018 inch



250 — Suitable for double- and single-balloon enteroscopy, 250 cm



280 — Suitable for double- and single-balloon enteroscopy, 280 cm



120 — Suitable for bronchoscopy, 120 cm

We reserve the right to make technical changes and to deviate from the depicted images.

STENTS

INTRODUCER SYSTEMS

GUIDING CATHETERS

PUSHERS

JET-SETS

QUICK-SETS

DILATATION CATHETERS

EXTRACTION CATHETERS

STENT-SETS

CYST DRAINAGE SETS

RING KNIFE SET

DPOC-GUIDING CATHETER

04

STENTS



STENTS

Pancreas, PTFE

2



Ch. 5, Ch. 7, with side holes

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 5		
0430501003	30	50
0430501004	40	60
0430501005	50	70
0430501006	60	80
0430501007	70	90
0430501008	80	100
0430501009	90	110

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 7		
0430701003	30	50
0430701004	40	60
0430701005	50	70
0430701006	60	80
0430701007	70	90
0430701008	80	100
0430701009	90	110
0430701010	100	120
0430701011	110	130
0430701012	120	140
0430701013	130	150
0430701014	140	160
0430701015	150	170
0430701016	160	180

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8		
0430801003	30	50
0430801004	40	60
0430801005	50	70
0430801006	60	80
0430801007	70	90
0430801008	80	100
0430801009	90	110
0430801010	100	120
0430801011	110	130

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
0431001003	30	50
0431001004	40	60
0431001005	50	70
0431001006	60	80
0431001007	70	90
0431001008	80	100
0431001009	90	110
0431001010	100	120
0431001011	110	130

STENTS

straight, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 5		
0400501003	30	50
0400501005	50	70
0400501007	70	90
0400501010	100	120
0400501013	130	150

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 7		
0400701003	30	50
0400701004	40	60
0400701005	50	70
0400701006	60	80
0400701007	70	90
0400701008	80	100
0400701009	90	110
0400701010	100	120
0400701011	110	130
0400701012	120	140
0400701013	130	150
0400701014	140	160
0400701015	150	170
0400701016	160	180
0400701018	180	200

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8		
0400801003	30	50
0400801004	40	60
0400801005	50	70
0400801006	60	80
0400801007	70	90
0400801008	80	100
0400801009	90	110
0400801010	100	120
0400801011	110	130
0400801012	120	140
0400801013	130	150
0400801014	140	160
0400801015	150	170
0400801016	160	180
0400801017	170	190
0400801018	180	200

STENTS

straight, PTFE



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
0401001003	30	50
0401001004	40	60
0401001005	50	70
0401001006	60	80
0401001007	70	90
0401001008	80	100
0401001009	90	110
0401001010	100	120
0401001011	110	130
0401001012	120	140
0401001013	130	150
0401001014	140	160
0401001015	150	170
0401001016	160	180
0401001017	170	190
0401001018	180	200

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 11,5		
0401101003	30	50
0401101004	40	60
0401101005	50	70
0401101006	60	80
0401101007	70	90
0401101008	80	100
0401101009	90	110
0401101010	100	120
0401101011	110	130
0401101012	120	140
0401101013	130	150
0401101014	140	160
0401101015	150	170
0401101016	160	180
0401101017	170	190
0401101018	180	200

STENTS

straight, with platinum ring, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 7		
0420701003	30	50
0420701004	40	60
0420701005	50	70
0420701006	60	80
0420701007	70	90
0420701008	80	100
0420701009	90	110
0420701010	100	120
0420701011	110	130
0420701012	120	140
0420701013	130	150
0420701014	140	160
0420701015	150	170
0420701016	160	180
0420701017	170	190
0420701018	180	200

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
0420801003	30	50
0420801004	40	60
0420801005	50	70
0420801006	60	80
0420801007	70	90
0420801008	80	100
0420801009	90	110
0420801010	100	120
0420801011	110	130
0420801012	120	140
0420801013	130	150
0420801014	140	160
0420801015	150	170
0420801016	160	180
0420801017	170	190
0420801018	180	200
0420801019	190	210
0420801020	200	220

STENTS

straight, with platinum ring, PTFE



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
0421001003	30	50
0421001004	40	60
0421001005	50	70
0421001006	60	80
0421001007	70	90
0421001008	80	100
0421001009	90	110
0421001010	100	120
0421001011	110	130
0421001012	120	140
0421001013	130	150
0421001014	140	160
0421001015	150	170
0421001016	160	180
0421001017	170	190
0421001018	180	200
0421001019	190	210
0421001020	200	220

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
0421101003	30	50
0421101004	40	60
0421101005	50	70
0421101006	60	80
0421101007	70	90
0421101008	80	100
0421101009	90	110
0421101010	100	120
0421101011	110	130
0421101012	120	140
0421101013	130	150
0421101014	140	160
0421101015	150	170
0421101016	160	180
0421101017	170	190
0421101018	180	200

STENTS

straight, with two platinum rings and sideholes, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
0410801012	120	140
0410801013	130	150
0410801015	150	170
0410801016	160	180

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
0411001012	120	140
0411001013	130	150
0411001015	150	170
0411001016	160	180

STENTS

centrally bent, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
0470801005	50	70
0470801007	70	90
0470801010	100	120
0470801013	130	150
0470801015	150	170

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
0471001005	50	70
0471001007	70	90
0471001010	100	120
0471001013	130	150
0471001015	150	170

STENTS

duodenally bent, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
0490801005	50	70
0490801007	70	90
0490801010	100	120
0490801013	130	150
0490801015	150	170

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
0491001005	50	70
0491001007	70	90
0491001010	100	120
0491001013	130	150
0491001015	150	170

STENTS

10-Flap, straight, PTFE



Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 7		
0400702005	50	75
0400702007	70	95
0400702009	90	115
0400702012	120	145

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 10		
0401002005	50	75
0401002007	70	95
0401002009	90	115
0401002012	120	145

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 8,5		
0400802005	50	75
0400802007	70	95
0400802009	90	115
0400802012	120	145

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 8,5		
0401102005	50	75
0401102007	70	95
0401102009	90	115
0401102012	120	145

STENTS

pigtail, PTFE

2

side holes —



Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 7		
0400703005	50	70
0400703007	70	90
0400703009	90	110
0400703012	120	140

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 8,5		
0400803005	50	70
0400803007	70	90
0400803009	90	110
0400803012	120	140

STENTS

double pigtail, PTFE

2



Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 7		
0400704005	50	80
0400704007	70	100
0400704009	90	120
0400704012	120	150

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 8,5		
0400804005	50	90
0400804007	70	110
0400804009	90	130
0400804012	120	160

INTRODUCER SYSTEMS AND DILATATION CATHETERS



GUIDING CATHETERS AND PUSHERS

2



Guiding catheters:

Article no.	Diameter Ch.	Total length cm	Suitable for pusher Ch.	Suitable for stents Ch.	Number of platinum rings	Suitable guide wire inch
0440510	5	220	8,5	8,5	1	0.035
0410510	5	220	8,5	8,5	3	0.035
0410511	5	320	8,5	8,5	3	0.035
0440710	6	220	10	10 / 11,5	1	0.035
0410710	6	220	10	10 / 11,5	3	0.035
0410711	6	320	10	10 / 11,5	3	0.035

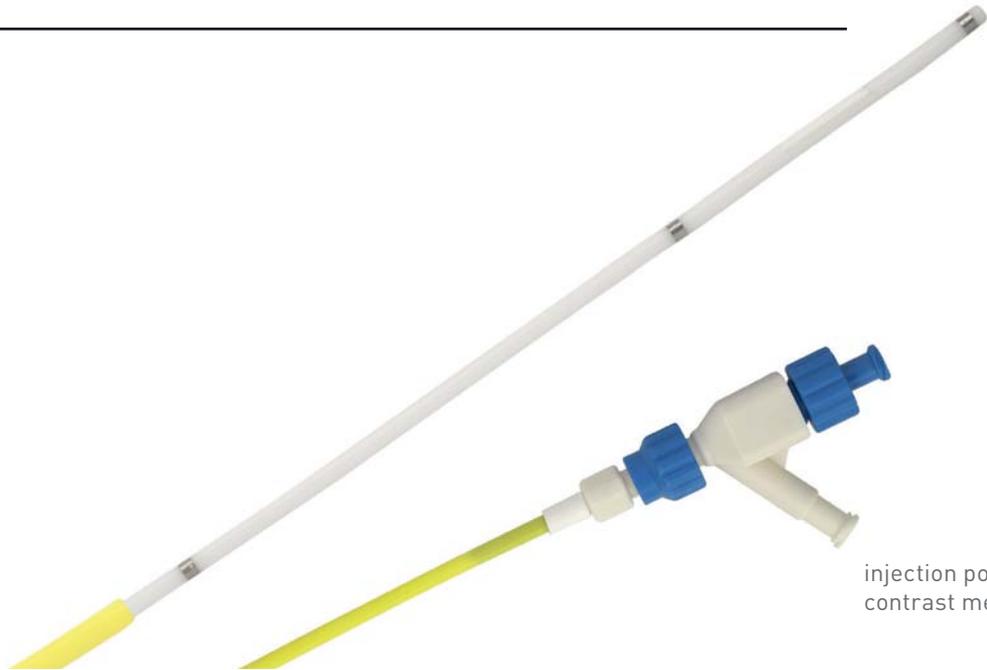
Pushers:

Article no.	Diameter Ch.	Total length cm	Suitable for Guiding catheters Ch.	Suitable for stents Ch.	Suitable guide wire inch
0400317	3	175	---	3	0.018
0410517	5	175	---	5	0.035
0413517	5	250	---	5	0.035
0410717	7	175	---	7	0.035
0413717	7	250	---	7	0.035
0410817	8,5	175	5	8,5	0.035
0411017	10	175	6	10 / 11,5	0.035

Figure shows article REF 0410510, 0410817

INTRODUCER SYSTEMS „JET-SET“ AND „QUICK-SET“

2



injection port for
contrast medium

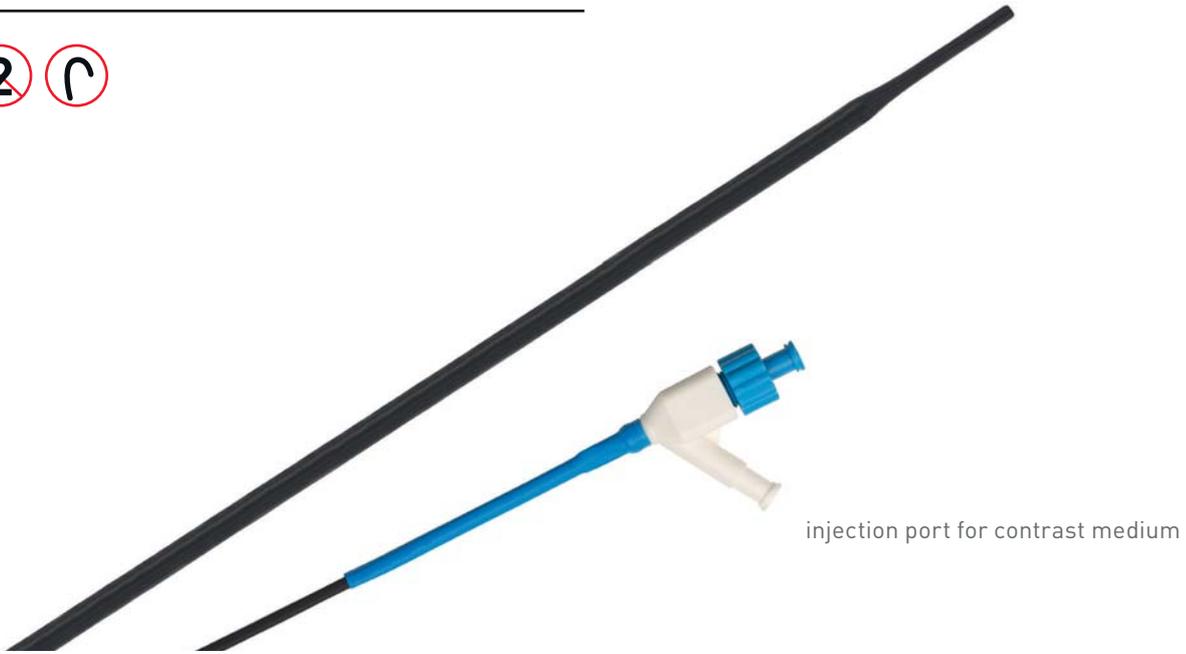
Article no.	Diameter guiding catheter Ch.	Diameter Pusher Ch.	Length of introducer system cm	Suitable for stents Ch.	Number of platinum rings	Suitable guide wire inch
0409818	5	8,5	190	8,5	1	0.035
0410818*)	5	8,5	205	8,5	3	0.035
0411818*)	5	8,5	230	8,5	1	0.035
0413818*)	5	8,5	260	8,5	3	0.035
0409819	6	10	190	10 / 11,5	1	0.035
0410819*)	6	10	205	10 / 11,5	3	0.035
0411819*)	6	10	230	10 / 11,5	1	0.035

Figure shows article REF 0410819

*) Jet-Set

DILATATION CATHETERS

for guide wire, guide wire lockable



injection port for contrast medium

Article no.	Special features	For guide wire inch	Diameter Ch.	Length cm
990410500200	---	0.035	5	200
990410700200	with inside metal ring	0.035	7	200
990410800200	with inside metal ring	0.035	8	200
990410900200	with inside metal ring	0.035	9	200
990411000200	with inside metal ring	0.035	10	200
990411200200	with inside metal ring	0.035	12	200

Figure shows article REF 990411000200

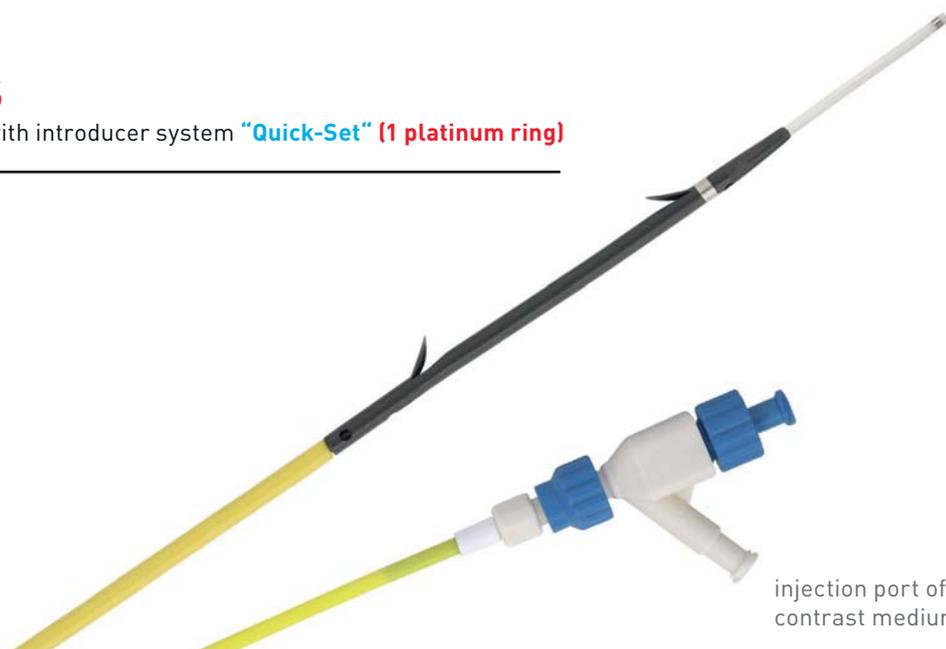
STENT-SETS



STENT-SETS

straight stent, PTFE, with introducer system "Quick-Set" (1 platinum ring)

2

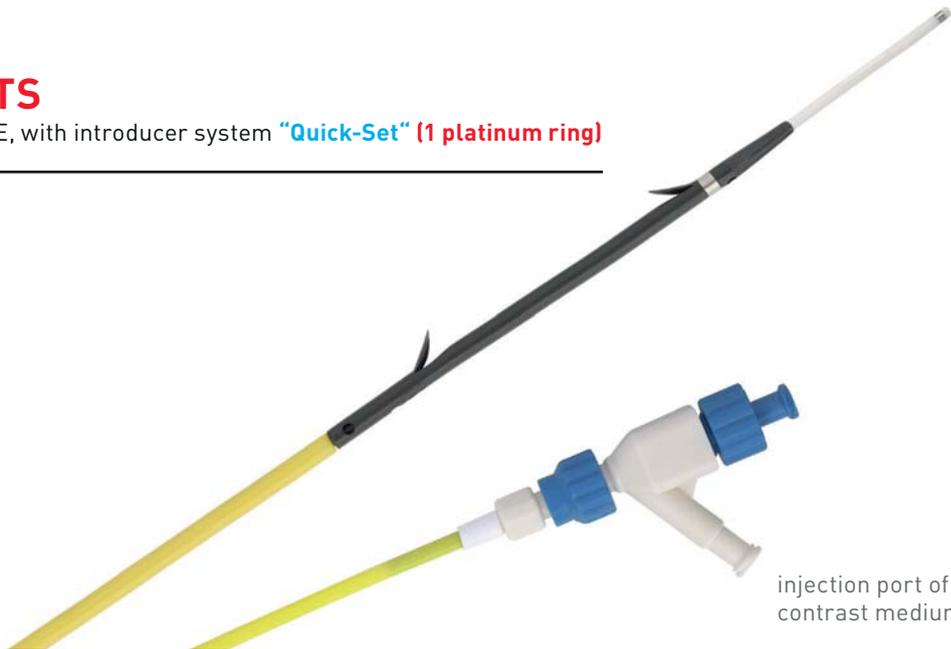


injection port of
contrast medium

Article no.	Stent dimension			Introducer system "Quick-Set"		Suitable guide wire inch
	Length between flaps mm	Total length mm	Diameter Ch.	Diameter Ch.	Total length cm	
Ch. 8,5						
0420801003QS	30	50	8,5	8,5	190	0.035
0420801004QS	40	60	8,5	8,5	190	0.035
0420801005QS	50	70	8,5	8,5	190	0.035
0420801006QS	60	80	8,5	8,5	190	0.035
0420801007QS	70	90	8,5	8,5	190	0.035
0420801008QS	80	100	8,5	8,5	190	0.035
0420801009QS	90	110	8,5	8,5	190	0.035
0420801010QS	100	120	8,5	8,5	190	0.035
0420801011QS	110	130	8,5	8,5	190	0.035
0420801012QS	120	140	8,5	8,5	190	0.035
0420801013QS	130	150	8,5	8,5	190	0.035
0420801014QS	140	160	8,5	8,5	190	0.035
0420801015QS	150	170	8,5	8,5	190	0.035
0420801016QS	160	180	8,5	8,5	190	0.035
0420801017QS	170	190	8,5	8,5	190	0.035
0420801018QS	180	200	8,5	8,5	190	0.035

STENT-SETS

straight stent, PTFE, with introducer system "Quick-Set" (1 platinum ring)



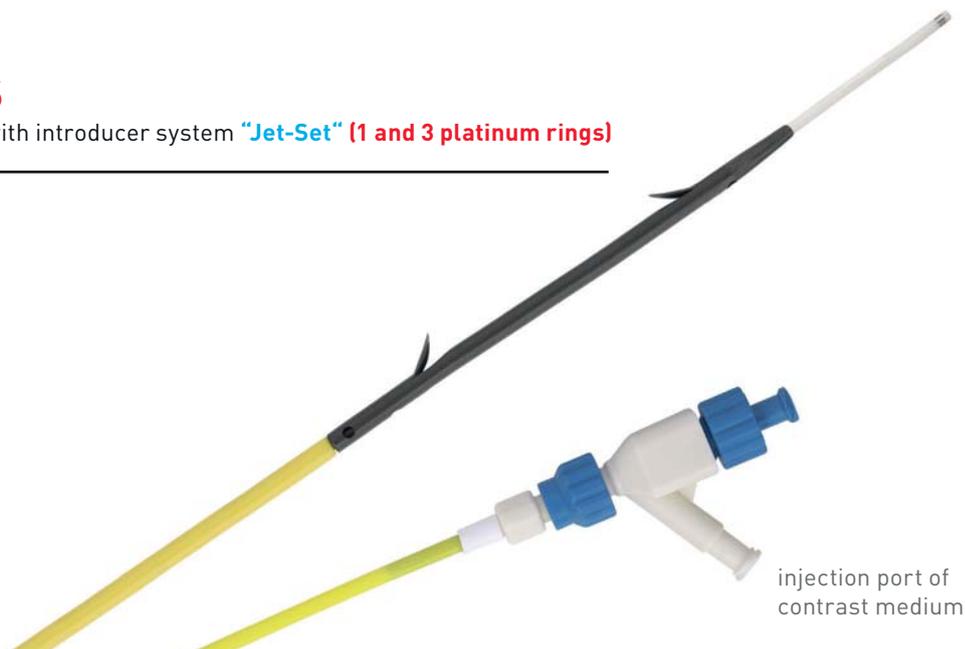
injection port of
contrast medium

Article no. Ch. 10	Stent dimension			Introducer system "Quick-Set"		Suitable guide wire inch
	Length between flaps mm	Total length mm	Diameter Ch.	Diameter Ch.	Total length cm	
0421001003QS	30	50	10	10	190	0.035
0421001004QS	40	60	10	10	190	0.035
0421001005QS	50	70	10	10	190	0.035
0421001006QS	60	80	10	10	190	0.035
0421001007QS	70	90	10	10	190	0.035
0421001008QS	80	100	10	10	190	0.035
0421001009QS	90	110	10	10	190	0.035
0421001010QS	100	120	10	10	190	0.035
0421001011QS	110	130	10	10	190	0.035
0421001012QS	120	140	10	10	190	0.035
0421001013QS	130	150	10	10	190	0.035
0421001014QS	140	160	10	10	190	0.035
0421001015QS	150	170	10	10	190	0.035
0421001016QS	160	180	10	10	190	0.035
0421001017QS	170	190	10	10	190	0.035
0421001018QS	180	200	10	10	190	0.035

STENT-SETS

straight stent, PTFE, with introducer system "Jet-Set" (1 and 3 platinum rings)

2



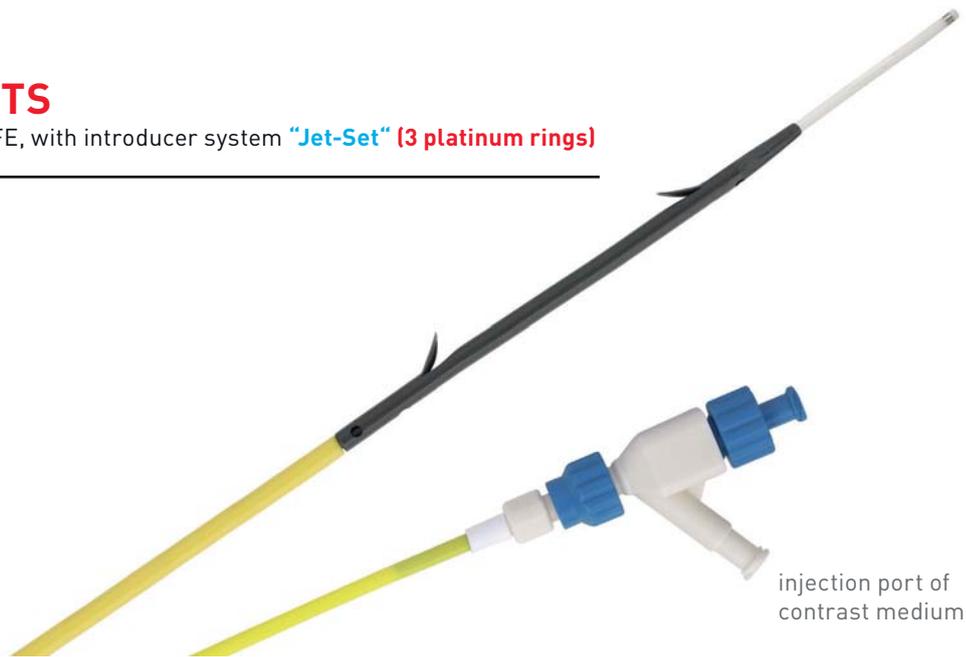
Article no.	Stent dimension			Introducer system "Jet-Set"		Suitable guide wire inch	Number of platinum rings
	Length between flaps mm	Total length mm	Diameter Ch.	Diameter Ch.	Total length cm		
Ch. 7							
0400701003JS	30	50	7	7	205	0.035	1 *)
0400701005JS	50	70	7	7	205	0.035	1 *)
0400701007JS	70	90	7	7	205	0.035	1 *)
0400701010JS	100	120	7	7	205	0.035	1 *)
0400701013JS	130	150	7	7	205	0.035	1 *)
0400701015JS	150	170	7	7	205	0.035	1 *)
0413701003JS	30	50	7	7	260	0.035	1 *)
0413701005JS	50	70	7	7	260	0.035	1 *)
0413701007JS	70	90	7	7	260	0.035	1 *)
0413701010JS	100	120	7	7	260	0.035	1 *)
0413701013JS	130	150	7	7	260	0.035	1 *)
Ch. 8,5							
0400801003JS	30	50	8,5	8,5	205	0.035	3
0400801005JS	50	70	8,5	8,5	205	0.035	3
0400801007JS	70	90	8,5	8,5	205	0.035	3
0400801010JS	100	120	8,5	8,5	205	0.035	3
0400801013JS	130	150	8,5	8,5	205	0.035	3
0400801015JS	150	170	8,5	8,5	205	0.035	3
0400801016JS	160	180	8,5	8,5	205	0.035	3
0400801017JS	170	190	8,5	8,5	205	0.035	3
0400801018JS	180	200	8,5	8,5	205	0.035	3

*) guiding catheter with inside platinum rings

STENT-SETS

straight stent, PTFE, with introducer system "Jet-Set" (3 platinum rings)

2



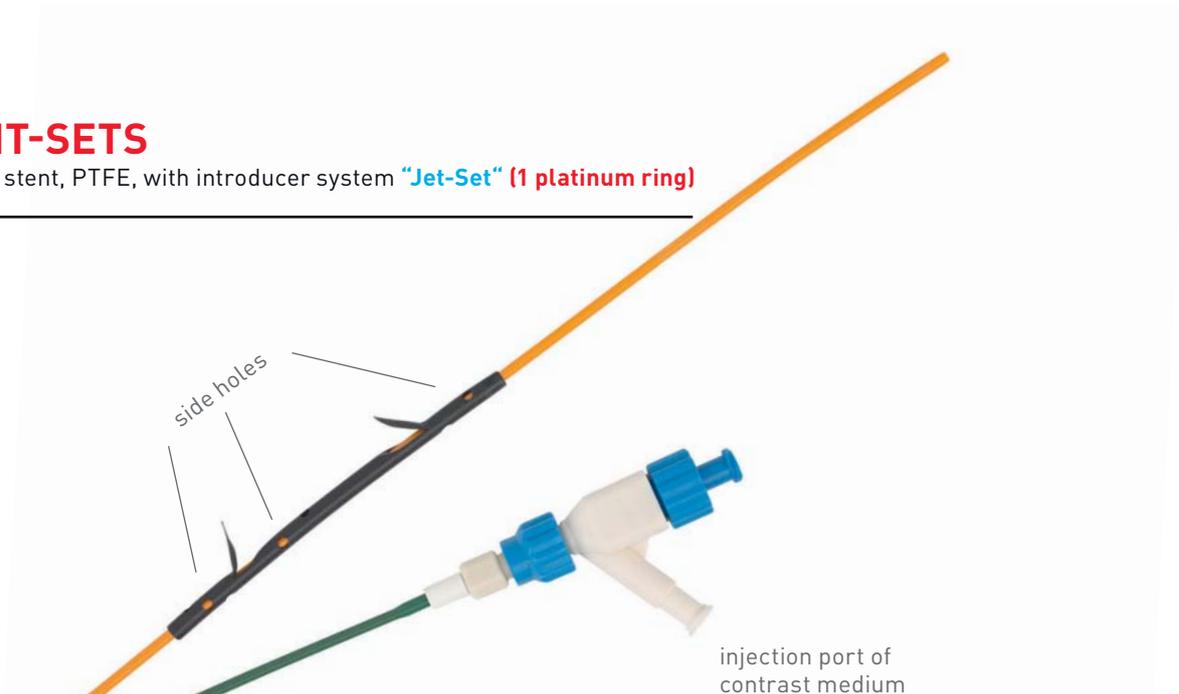
injection port of
contrast medium

Article no.	Stent dimension			Introducer system "Jet-Set"		Suitable guide wire inch	Number of platinum rings
	Length between flaps mm	Total length mm	Diameter Ch.	Diameter Ch.	Total length cm		
Ch. 10							
0401001003JS	30	50	10	10	205	0.035	3
0401001005JS	50	70	10	10	205	0.035	3
0401001007JS	70	90	10	10	205	0.035	3
0401001010JS	100	120	10	10	205	0.035	3
0401001013JS	130	150	10	10	205	0.035	3
0401001015JS	150	170	10	10	205	0.035	3
0401001016JS	160	180	10	10	205	0.035	3
0401001017JS	170	190	10	10	205	0.035	3
0401001018JS	180	200	10	10	205	0.035	3
Ch. 11,5							
0401101003JS	30	50	11,5	10	205	0.035	3
0401101005JS	50	70	11,5	10	205	0.035	3
0401101007JS	70	90	11,5	10	205	0.035	3
0401101010JS	100	120	11,5	10	205	0.035	3
0401101013JS	130	150	11,5	10	205	0.035	3
0401101015JS	150	170	11,5	10	205	0.035	3
0401101016JS	160	180	11,5	10	205	0.035	3
0401101017JS	170	190	11,5	10	205	0.035	3
0401101018JS	180	200	11,5	10	205	0.035	3

STENT-SETS

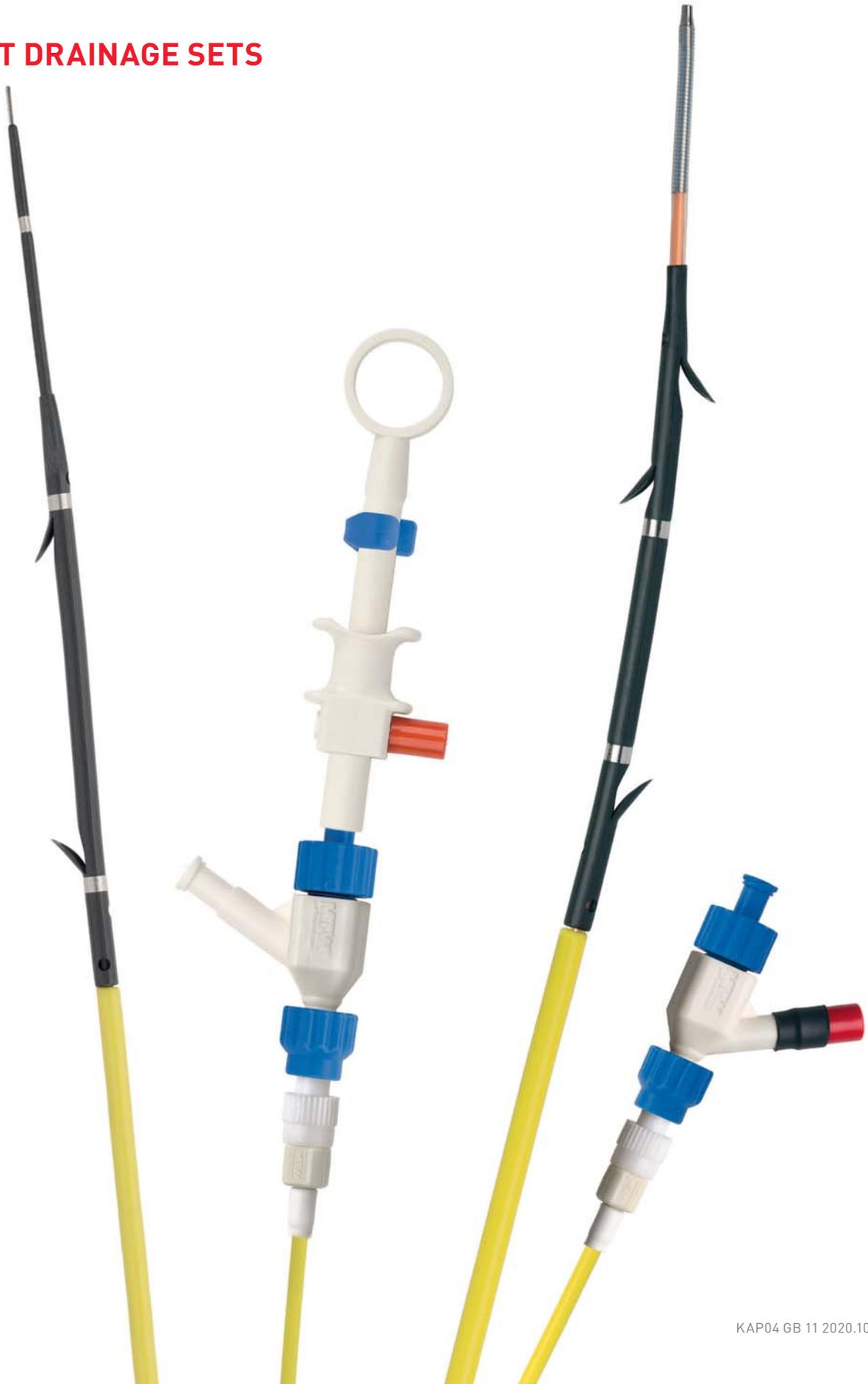
pancreas stent, PTFE, with introducer system "Jet-Set" (1 platinum ring)

2



Article no.	Stent dimension			Introducer system "Jet-Set"		Suitable guide wire inch
	Length between flaps mm	Total length mm	Diameter Ch.	Diameter Ch.	Total length cm	
Ch. 7						
0430701003JS	30	50	7	7	205	0.035
0430701005JS	50	70	7	7	205	0.035
0430701007JS	70	90	7	7	205	0.035
0430701009JS	90	110	7	7	205	0.035

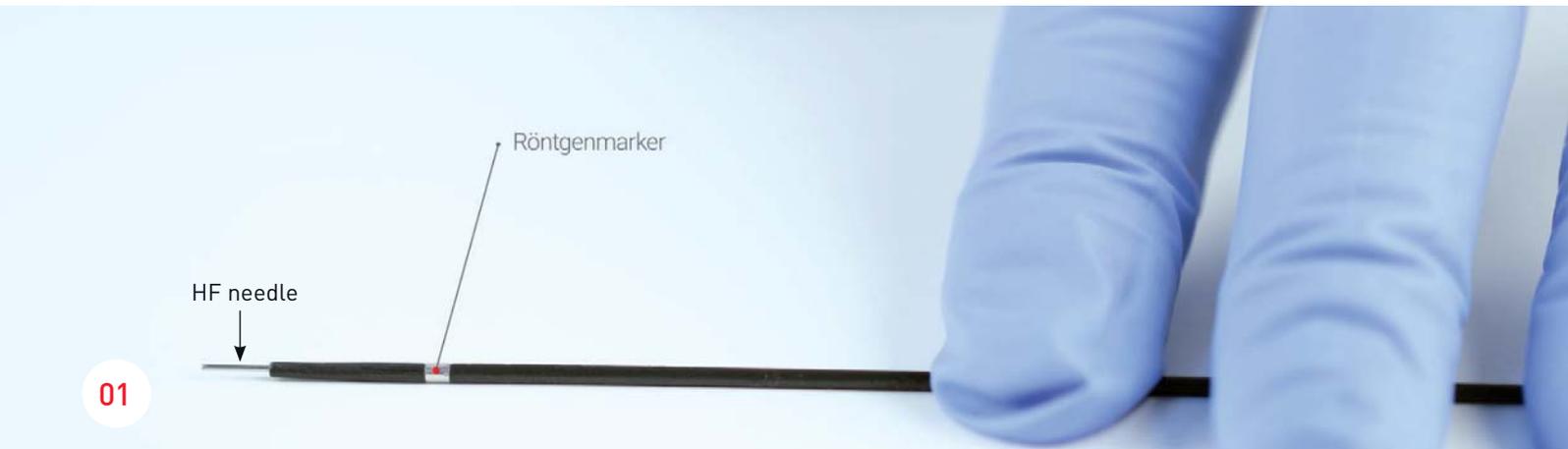
CYST DRAINAGE SETS



CYST DRAINAGE SETS

Dr. C. Grotjahn





01

HF needle is extended for cyst puncture



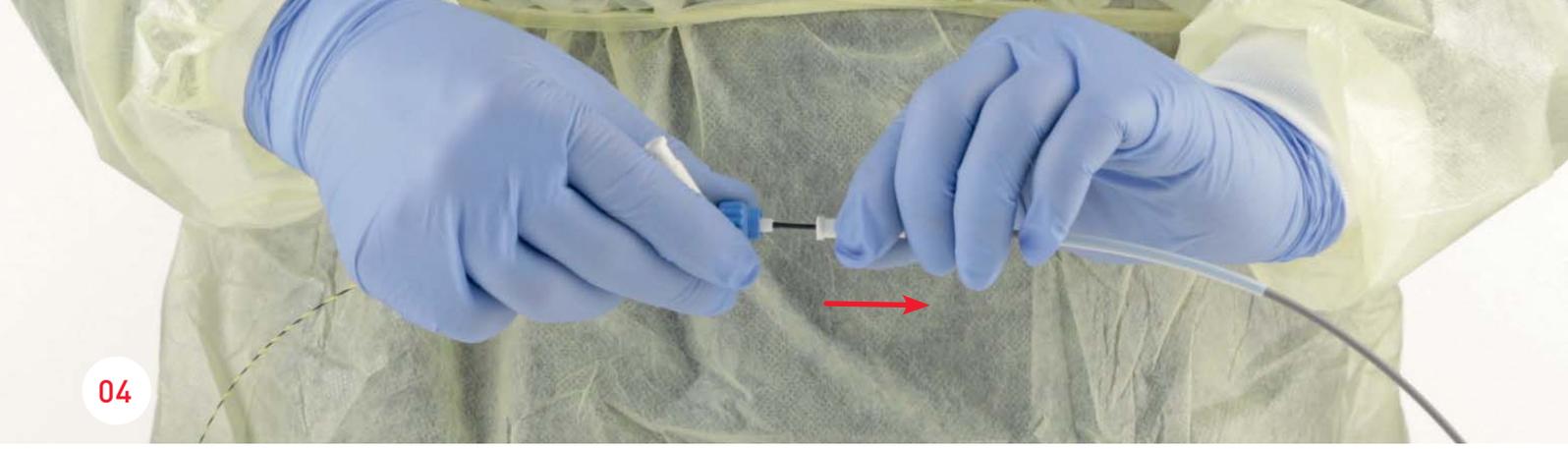
02

Remove the complete HF needle from the guiding catheter



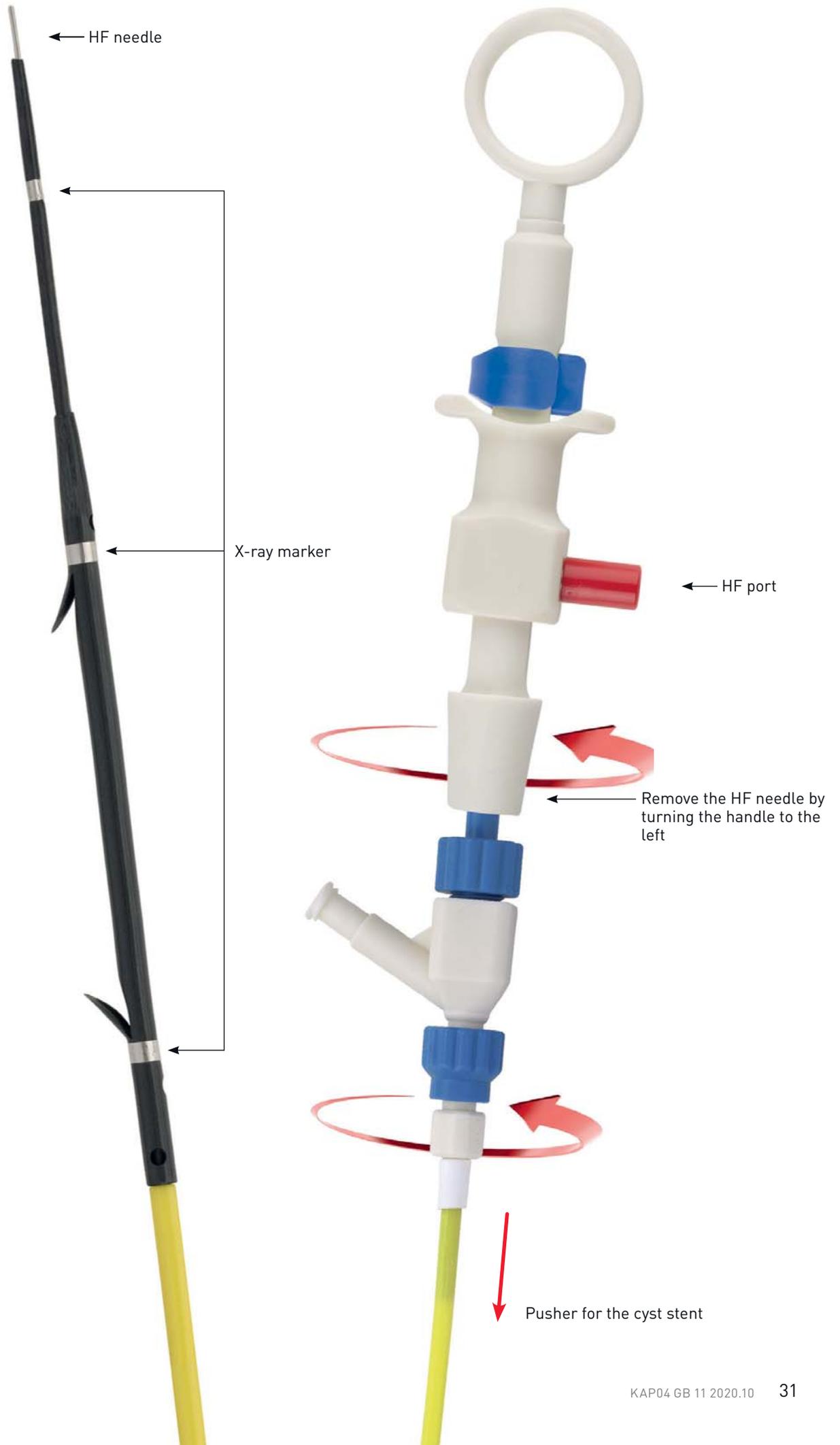
03

Inserting a Guide Wire (0.035") for access protection



04

Push the stent into the cyst through the pusher



Cyst drainage set

The cyst drainage set consists of a cystostome with an extended pusher and a 2-flap endoprosthesis. The cyst drainage set was developed for the endoscopic puncture with HF-current. The endoprosthesis for cyst drainage can be positioned without changing the instruments.

Removable connections

The puncture wire can be removed and replaced by a guide wire (0.035 inches).

Application of the cyst drainage set

Figure 1

Use of color doppler to exclude larger vessels in the stomach or cyst wall prior to the planned puncture. Endosonographic representation of a large, not quite anechoic free, pancreatic pseudocyst.

Figure 2

Position of the cystostome after puncture of the cyst using HR-current.

Figure 3

Corresponding image for figure 2 in the fluoroscopic control.

Figure 4

If necessary, the cyst can be filled with a contrast agent. In the photographic situation, the puncture wire is replaced by a guide wire under radiological/endosonographic control. This creates a more stable access to the cyst which allows the direct placement of the pre-loaded stent via the cystostome.

Figure 5

The already pre-loaded stent can be easily pushed forward in the pseudocyst under endoscopic and / or radiological control after loosening the pusher. Similar to ERCP, the last flap respectively the second metal ring has yet to be identified in the stomach.

Figure 6

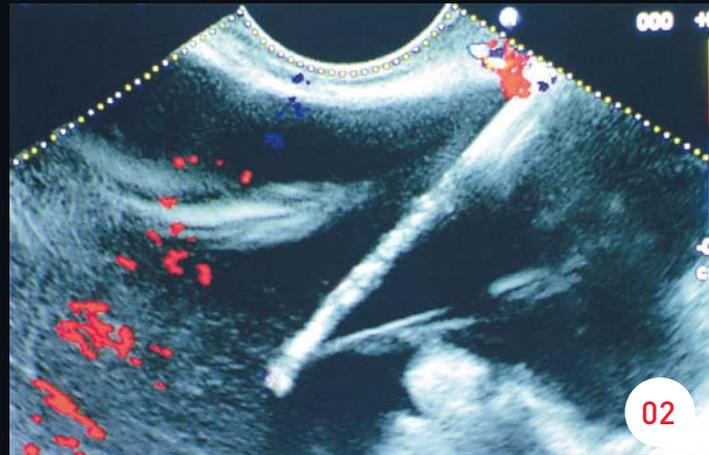
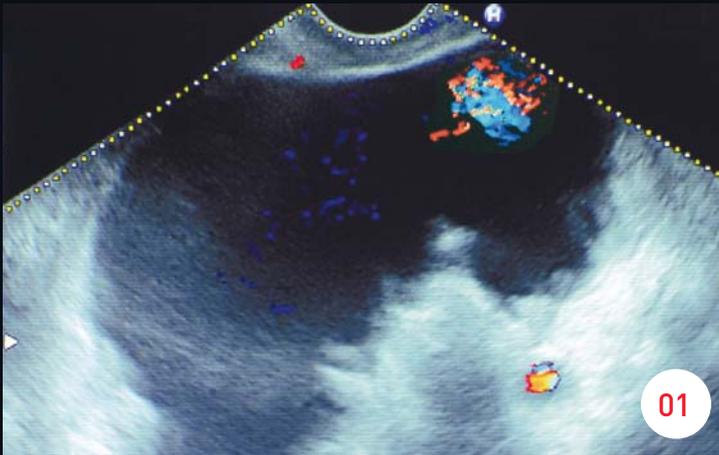
Final radiological control: The two platinum rings allow the rapid identification of the stent position.

Figure 7

Endoscopic control of the effective drainage.

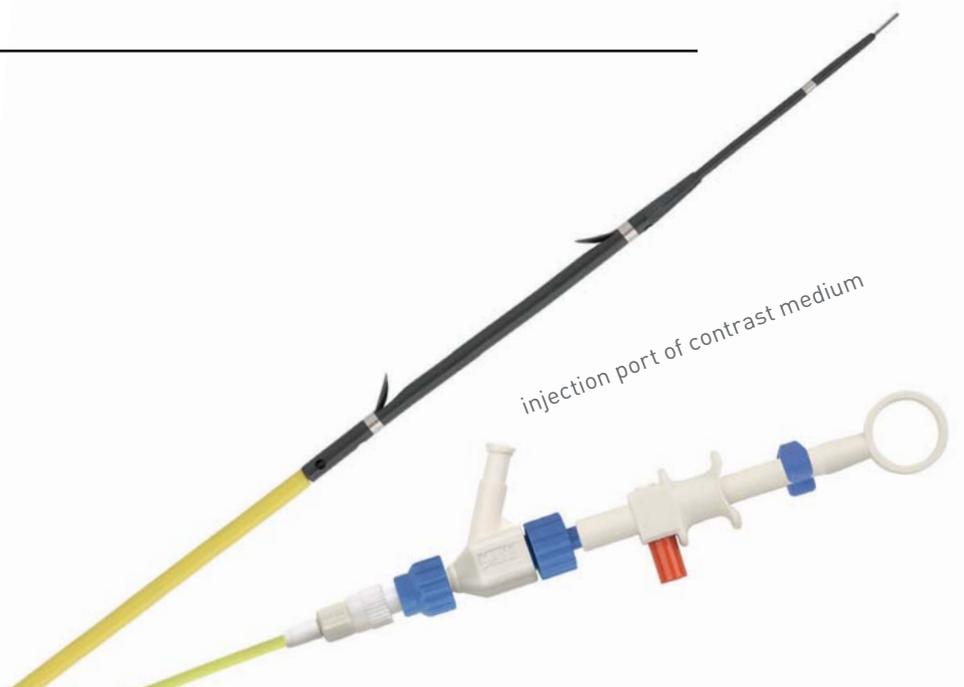
Figure 8

In the present case, greenish tinged liquid.



CYST DRAINAGE SET DR. GROTJAHN

2



Article no.	Cyst drainage set consisting of:	Extension mm	Guide wire inch	Diameter	Length
04801003	Cystostome Pusher Straight Stent	5	0.035	Cystostome: 5 Ch. Pusher: 10 Ch. Stent: 10 Ch.	Cystostome: 195 cm Pusher: 155 cm Total length (Stent): 80 mm Length between flaps (Stent): 50 mm
04800803	Cystostome Pusher Straight Stent	5	0.035	Cystostome: 5 Ch. Pusher: 8,5 Ch. Stent: 8,5 Ch.	Cystostome: 195 cm Pusher: 155 cm Total length (Stent): 80 mm Length between flaps (Stent): 50 mm
04800503	Cystostome Pusher Straight Stent	5	0.035	Cystostome: 5 Ch. Pusher: 8,5 Ch. Stent: 8,5 Ch.	Cystostome: 195 cm Pusher: 155 cm Total length (Stent): 50 mm Length between flaps (Stent): 20 mm

For puncture from the duodenum

Figure shows article REF 04801003

CYST DRAINAGE EXTENSION SET DR. GROTJAHN

2



injection port of contrast medium

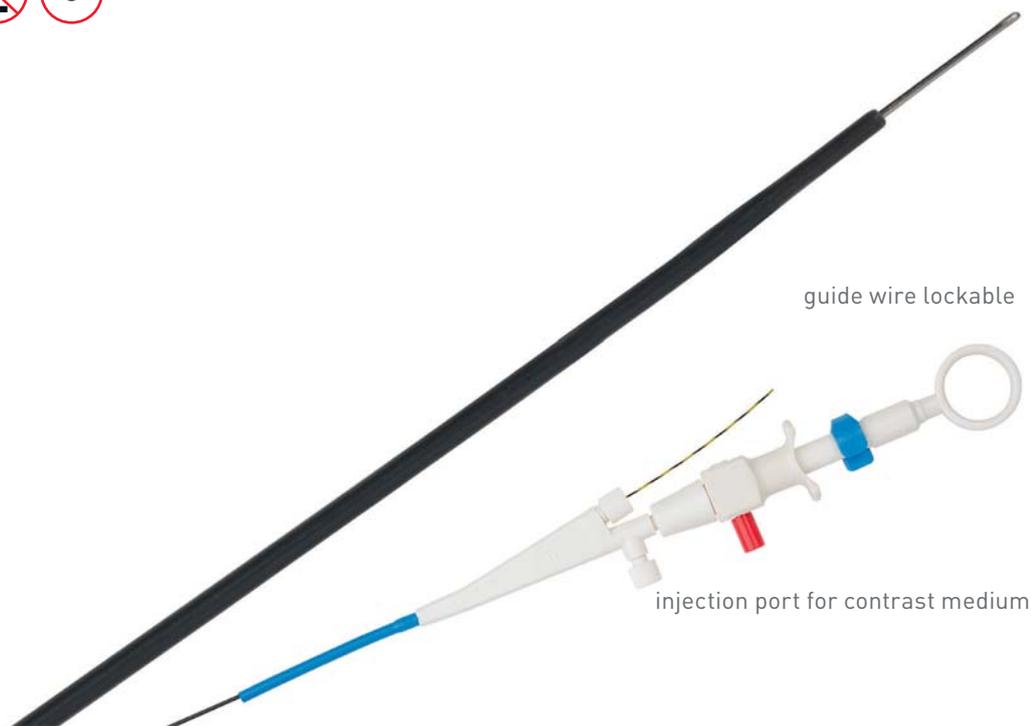
Article no.	Cyst drainage extension set consisting of:	For guide wire inch	Diameter	Length
04901003	Cystostome Pusher Straight Stent	0.035	Cystostome: 5 Ch. Pusher: 10 Ch. Stent: 10 Ch.	Cystostome: 195 cm Pusher: 155 cm Total length (Stent): 80 mm Length between flaps (Stent): 50 mm

Recommended guide wires:

Article no.	Outer diameter inch	Special features	Length cm
003946	0.035	"Snap-Tip" kink-resistant guide wire	460
003926	0.035	"Snap-Tip" kink-resistant guide wire	260

CYSTOSTOME

filiform



Article no.	Needle diameter mm	Needle length mm	For guide wire inch	Diameter mm	Length cm
99023892	0,6	10	0.035	1,7	200



Ring knife & Ring knife set

Model Prof. Dr. U. Will



Ring knife for therapy of pseudocysts



Figure 1



Figure 2



Figure 3

Figure 1 and 2
After EUS-FNA of a pseudocyst, the ring knife is positioned above the lying guide wire and a cystostomy is performed.

Figure 3
After the cystostomy a drainage is introduced via the ring knife support system during the same session.

Ring knife for EUS-guided internal biliary and pancreatic duct drainage

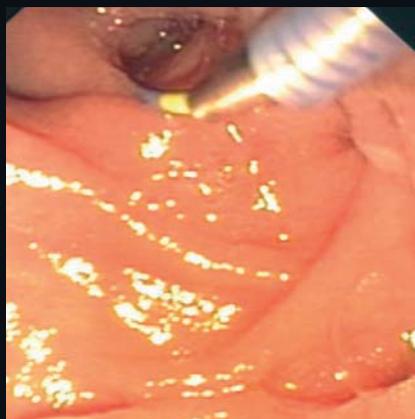


Figure 4

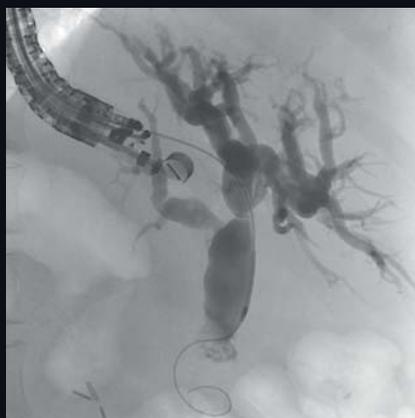


Figure 5

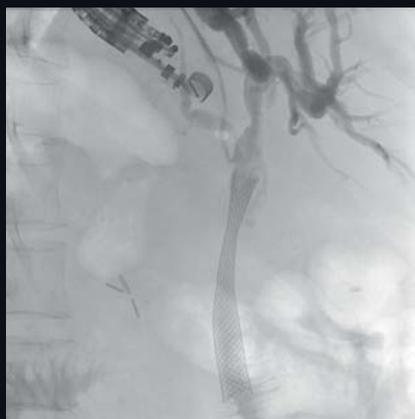


Figure 6

Figure 4
Jaundice caused by local recurrence of gastric cancer
1. Transjejunal EUS-puncture of the biliary tract
2. The ring knife is pushed into the common biliary duct

Figure 5
1. Good visibility of the knife
2. Widening of the tumor stenosis by ring knife

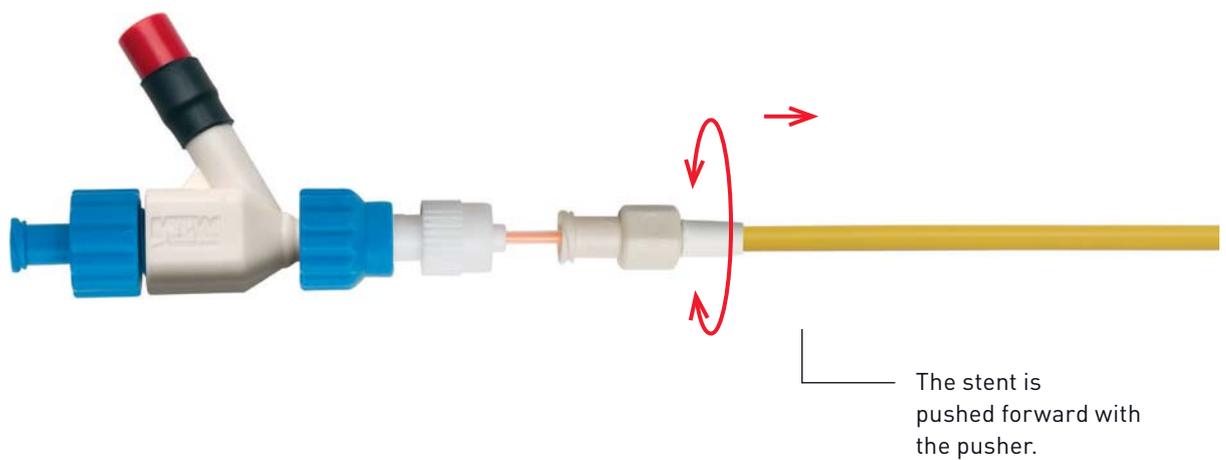
Figure 6
Transjejunal-transhepatic insertion of a covered metal stent.
Bridging of the tumor stenosis of the bile duct and restoration of the orthograde drainage.

RING KNIFE & RING KNIFE SET

Model Prof. Dr. U. Will

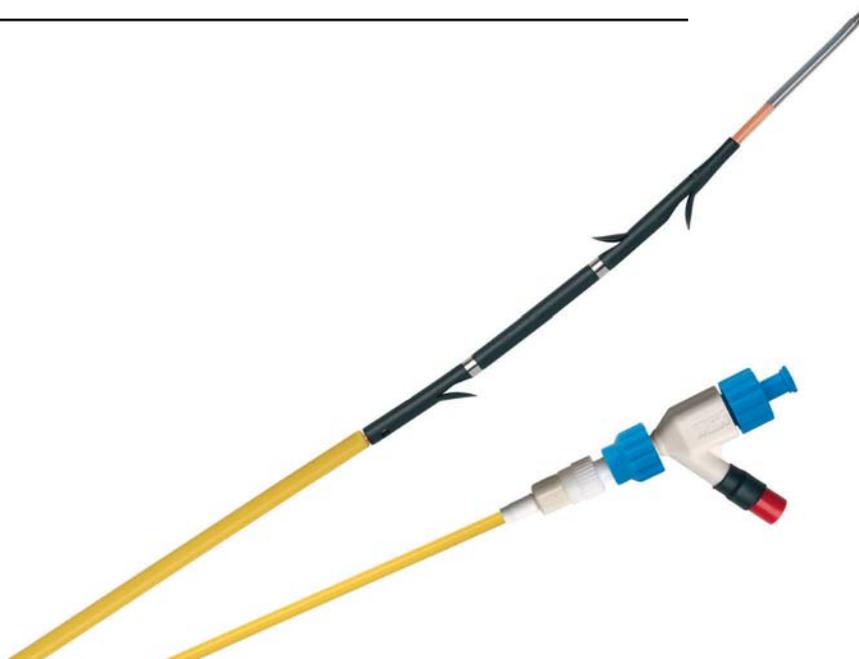
The ring knife was developed to create an access to the target lesion using HF-current in connection with an endosonographic intervention.

The ring knife set consists of a ring knife with a connected pusher and a preloaded 3-flap straight endoprosthesis. After gaining access to the target lesion, the endoprosthesis for drainage can be placed without changing instruments.



RING KNIFE SET PROF. DR. U. WILL

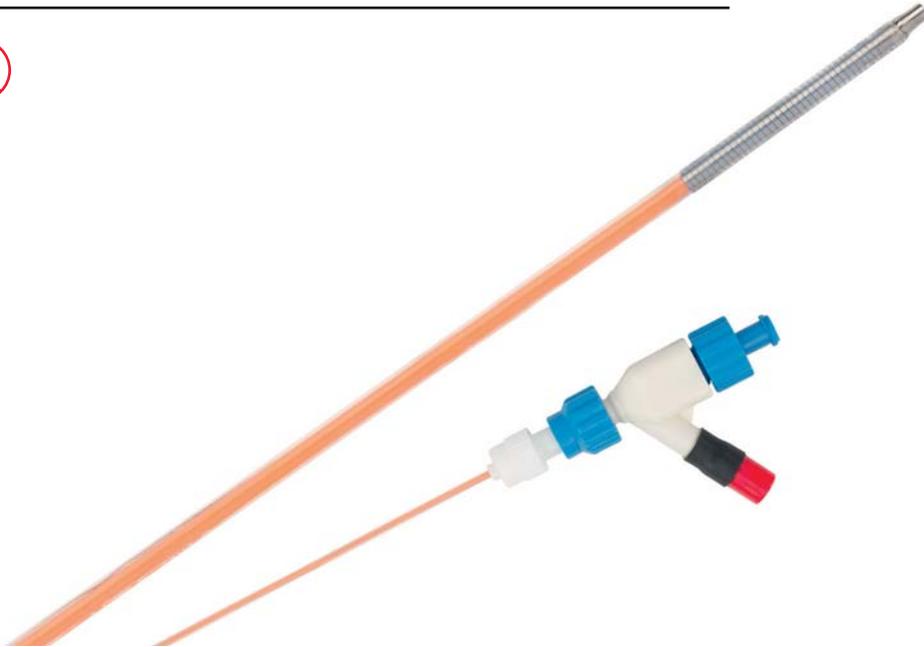
2



Article no.	Ring knife set consisting of:	For guide wire inch	Diameter	Length
04821003	Ring knife Pusher Stent	0.035	Ring knife: 1,8 mm Pusher: 10 Ch. Stent: 10 Ch.	Ring knife: 215 cm Pusher: 165 cm Stent: Total length: 80 mm Length between flaps: 40 mm

RING KNIFE PROF. DR. U. WILL

②

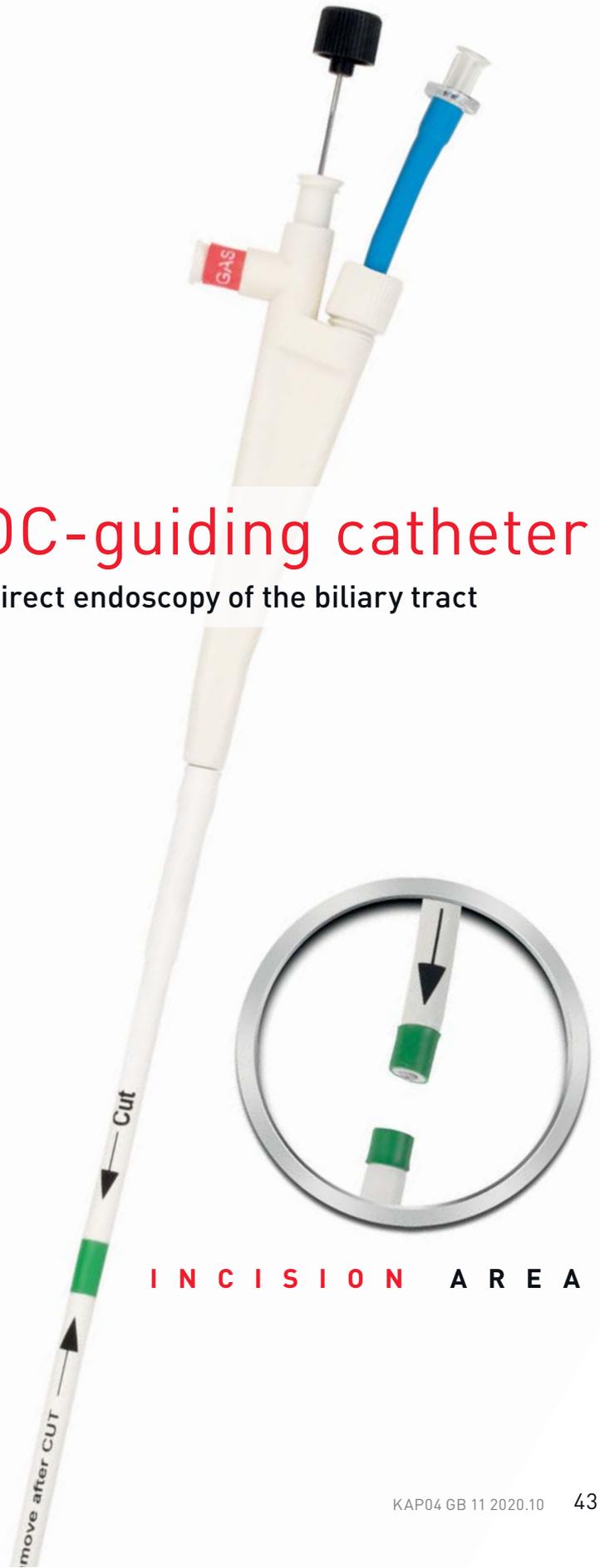


Article no.	For guide wire inch	Diameter mm	Length cm
04821000	0.035	1,8	215



DPOC-guiding catheter

for the direct endoscopy of the biliary tract



I N C I S I O N A R E A



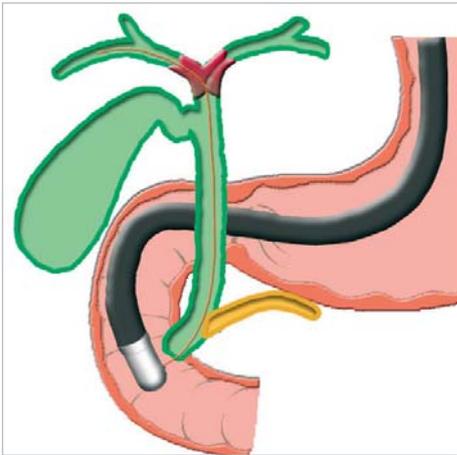


Figure 1

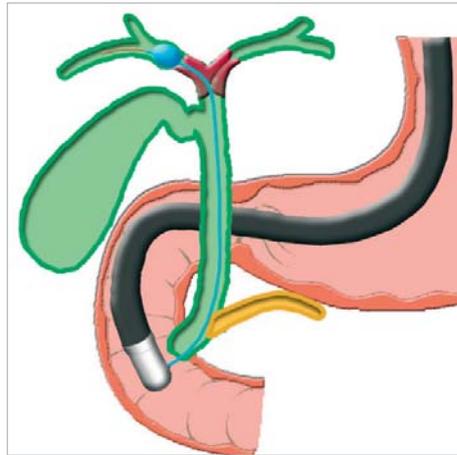


Figure 2

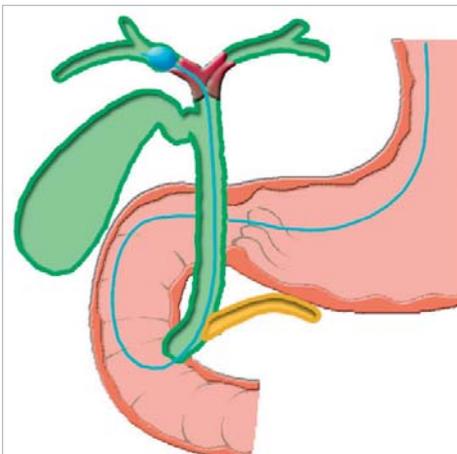


Figure 3

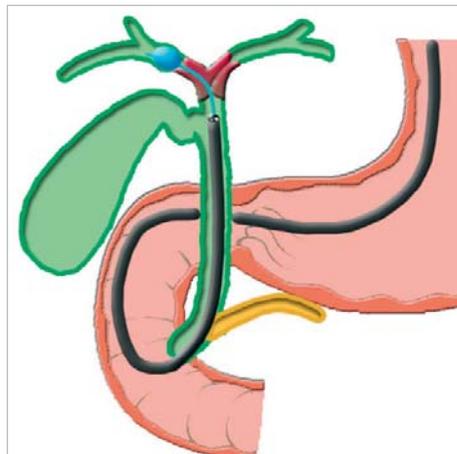


Figure 4

DPOC-guiding catheter

for the direct endoscopy of the biliary tract

The DPOC-guiding catheter, consisting of a balloon catheter with three extensions, a disposable syringe and a needle for refilling the DPOC guiding catheter, was developed for the direct peroral cholangioscopy (DPOC).

The DPOC-guiding catheter is positioned through the working channel of a duodenoscope, and the balloon is inflated through the insufflation lumen of the catheter until the balloon anchors behind the stenosis.

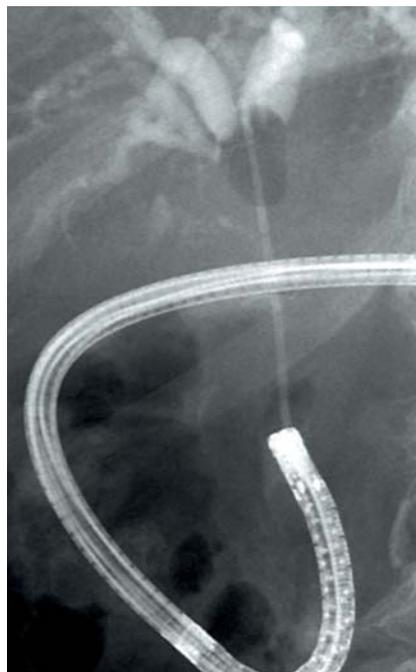
After the removal of the guidewire, the extensions are cut off from the DPOC-guiding catheter at the green mark with a sharp side cutter. Now the duodenoscope can be removed.

Subsequently, the guidewire and the cholangioscope or the nasal gastroscope are advanced through respectively over the DPOC guiding catheter through the papilla into the desired area of the bile duct.

Thanks to the blocked balloon, the cholangioscope or rather the nasal gastroscope can be advanced through the stenosis. In case of insufficient air inflation of the balloon and already separated extensions of the catheter, or accidental deflation, it is possible to refill the balloon with the corresponding needle.



Needle for later refilling of the DPOC-guiding catheter



The radiopaque platinum marker at the distal end of the balloon catheter helps you to find the right position

DPOC-GUIDING CATHETER

2



Article no.	Diameter Ch.	Diameter balloon mm	Balloon length mm	For guide wire inch	Length cm
04205120	5	12	20	0.025	240
04205220	5	12	30	0.025	240

COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



— Suitable for guide wire 0.035 inch



— Suitable for guide wire 0.025 inch



— Suitable for guide wire 0.018 inch



— Suitable for double- and single-balloon enteroscopy, 250 cm



— Suitable for double- and single-balloon enteroscopy, 280 cm



— Suitable for bronchoscopy, 120 cm

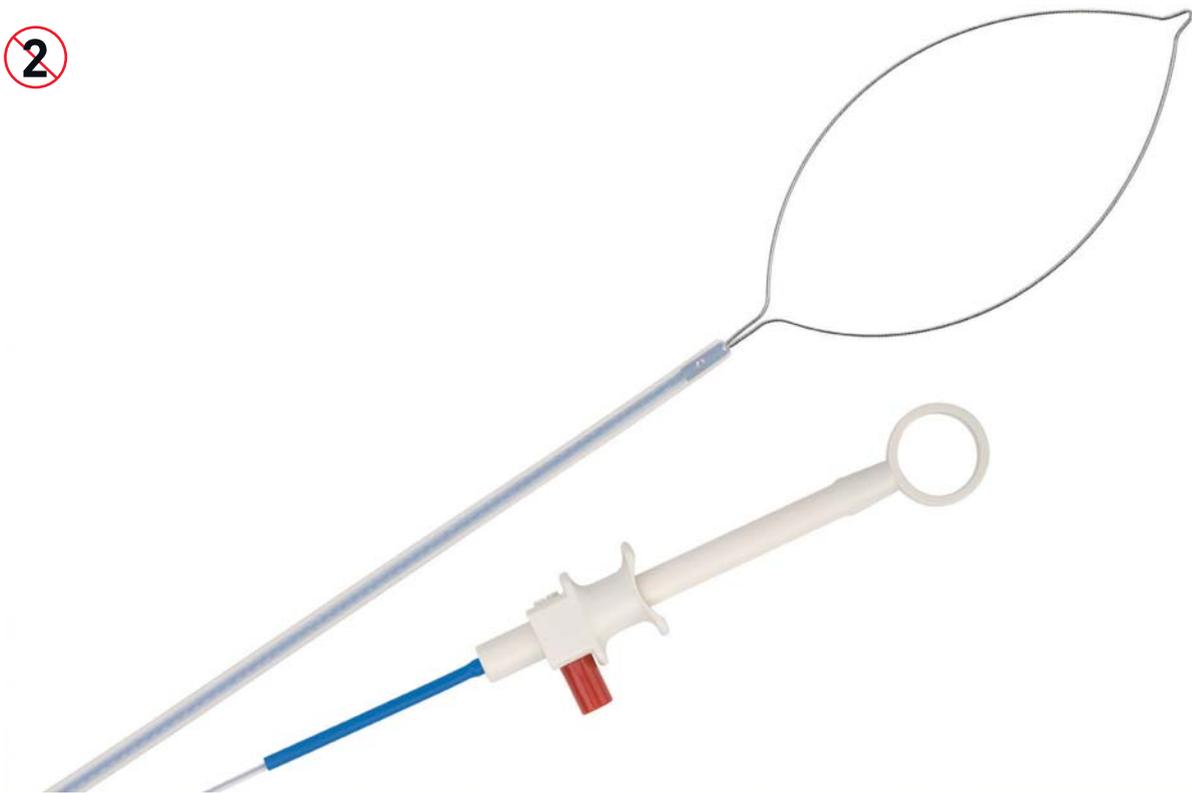
We reserve the right to make technical changes and to deviate from the depicted images.

POLYPECTOMY SNARES



POLYPECTOMY SNARES, SYMMETRICAL

2

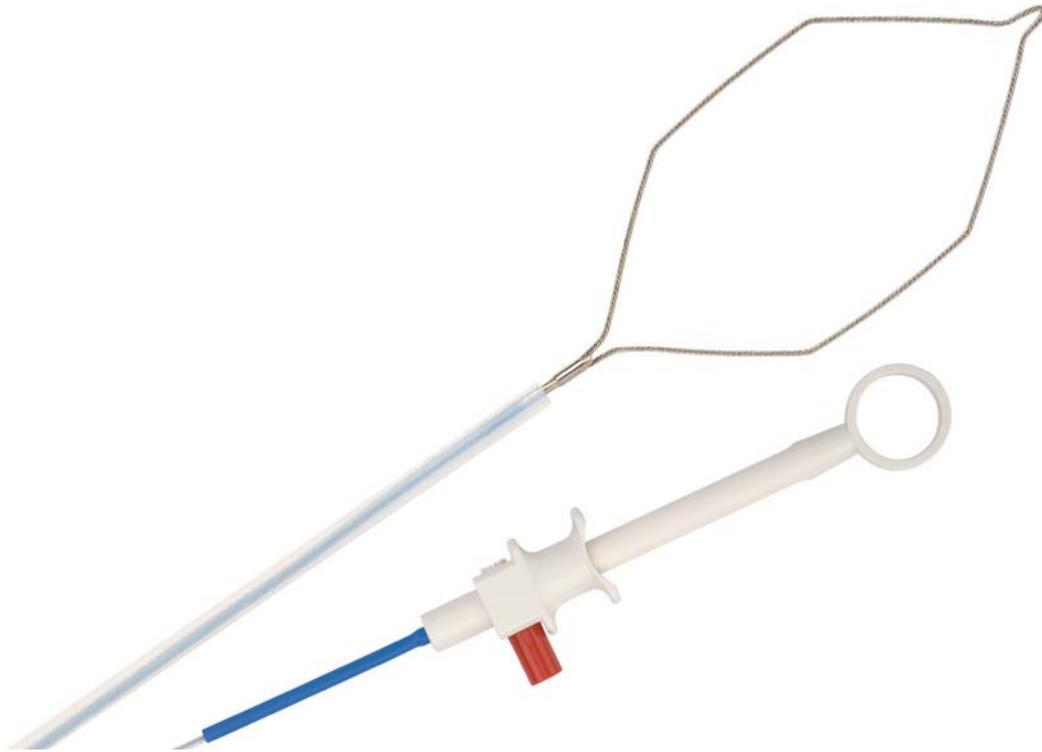


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99052011202	10 x 20	twisted	2,3	230
99052011222	15 x 30	twisted	2,3	230
99052011212	20 x 40	twisted	2,3	230
99052011242	25 x 50	twisted	2,3	230
99054011122	20 x 40	twisted	1,8	250
99054011212	20 x 40	twisted	2,3	250
99054011132	30 x 55	twisted	1,8	250
99052011232	30 x 55	twisted	2,3	230
99054011232	30 x 55	twisted	2,3	250
99052011215	15 x 30	monofil	2,3	230
99052011225	20 x 40	monofil	2,3	230
99052011235	25 x 50	monofil	2,3	230
99054011235	25 x 50	monofil	2,3	250

Figure shows article REF 99052011232

POLYPECTOMY SNARES, HEXAGONAL

2

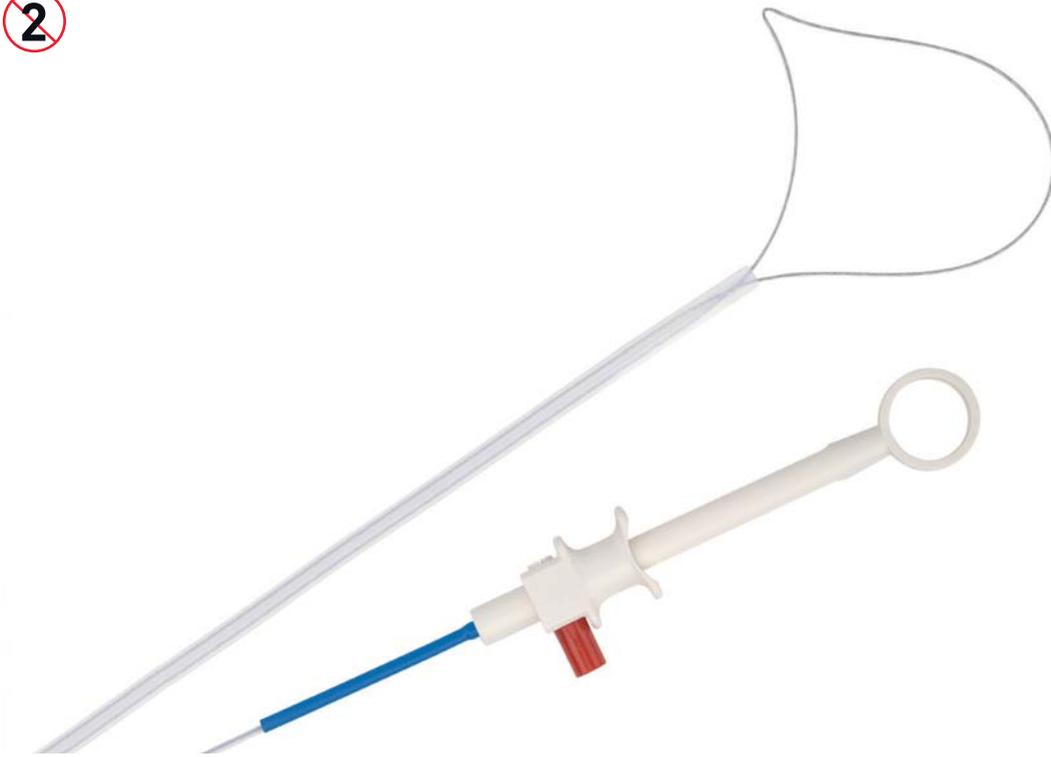


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99054011114	15 x 30	twisted	1,8	250
99052011234	30 x 50	twisted	2,3	230

Figure shows article REF 99052011234

POLYPECTOMY SNARES, ASYMMETRICAL

2

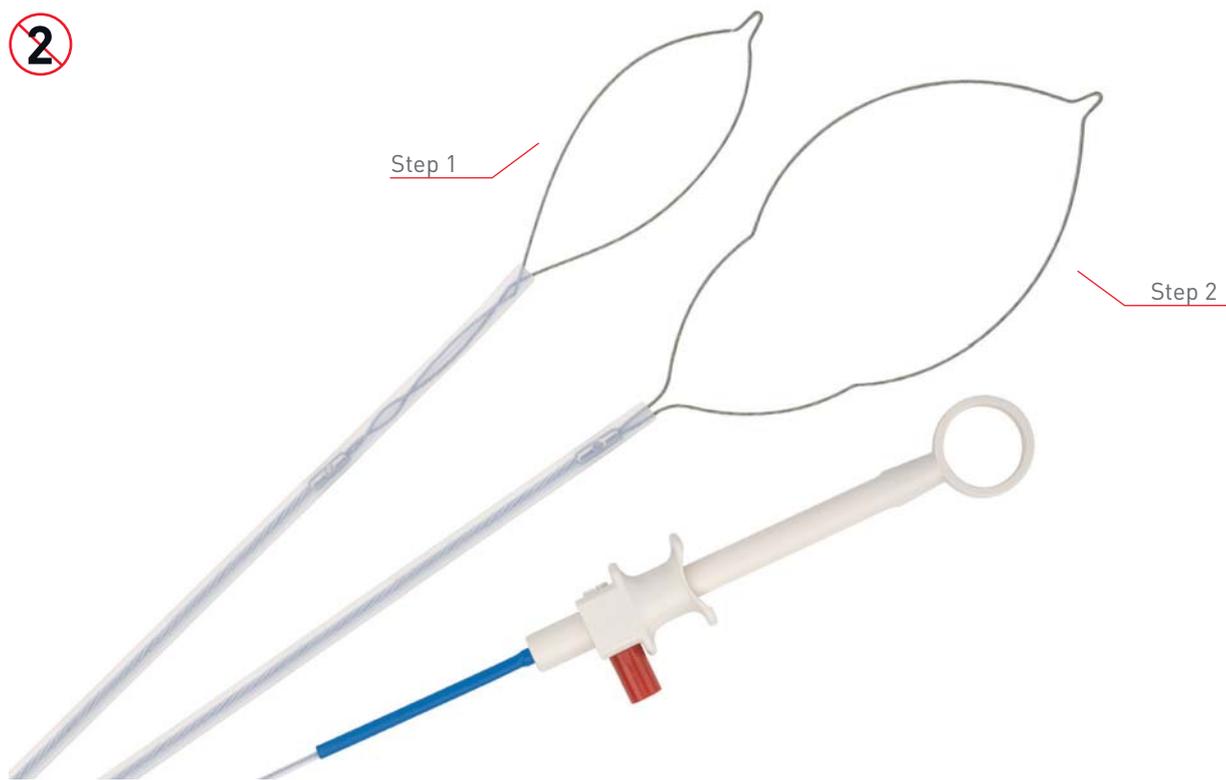


Article no.	Opening size mm	Diameter mm	Length cm
99052011211	15	2,3	230
99052011221	25	2,3	230

Figure shows article REF 99052011221

POLYPECTOMY SNARE "VARIO-SNARE", SYMMETRICAL

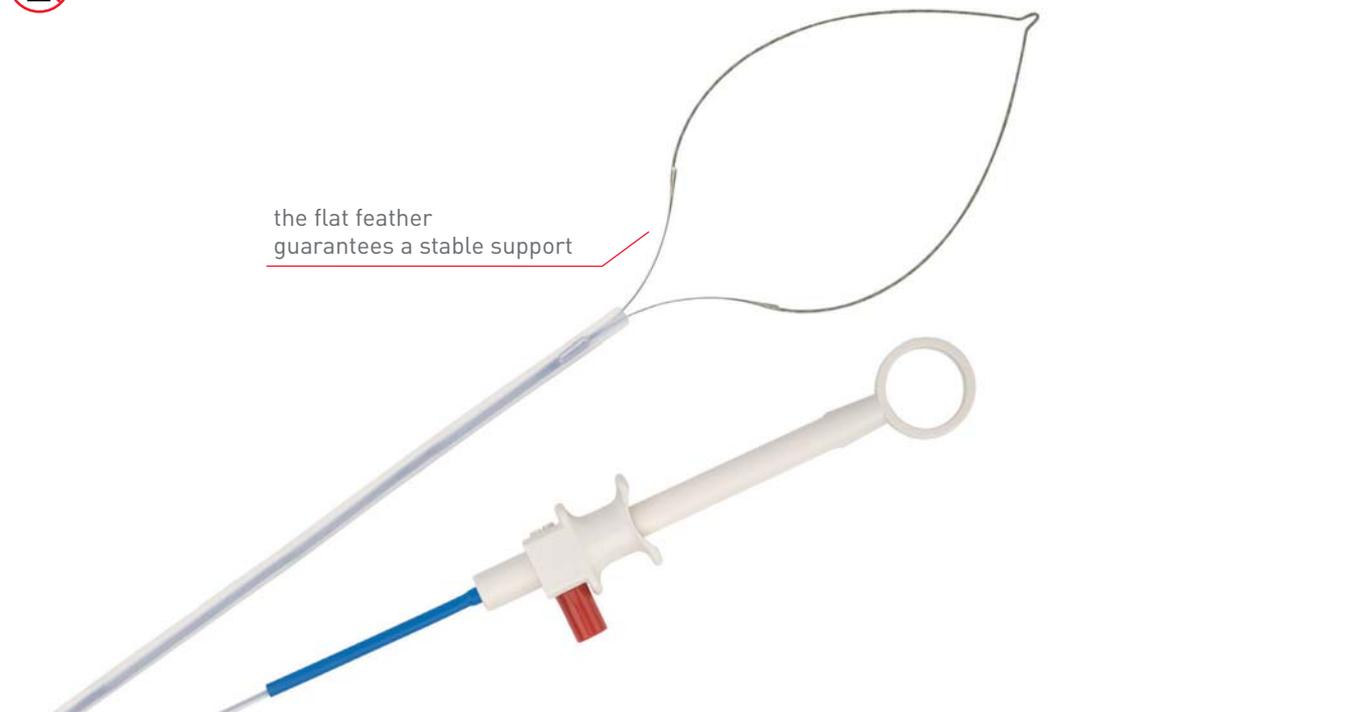
2



Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99052081232	ca. 15 x 33 (Step 1) or ca. 27 x 50 (Step 2)	twisted	2,3	230

POLYPECTOMY SNARES, SYMMETRICAL WITH FLAT FEATHER

2

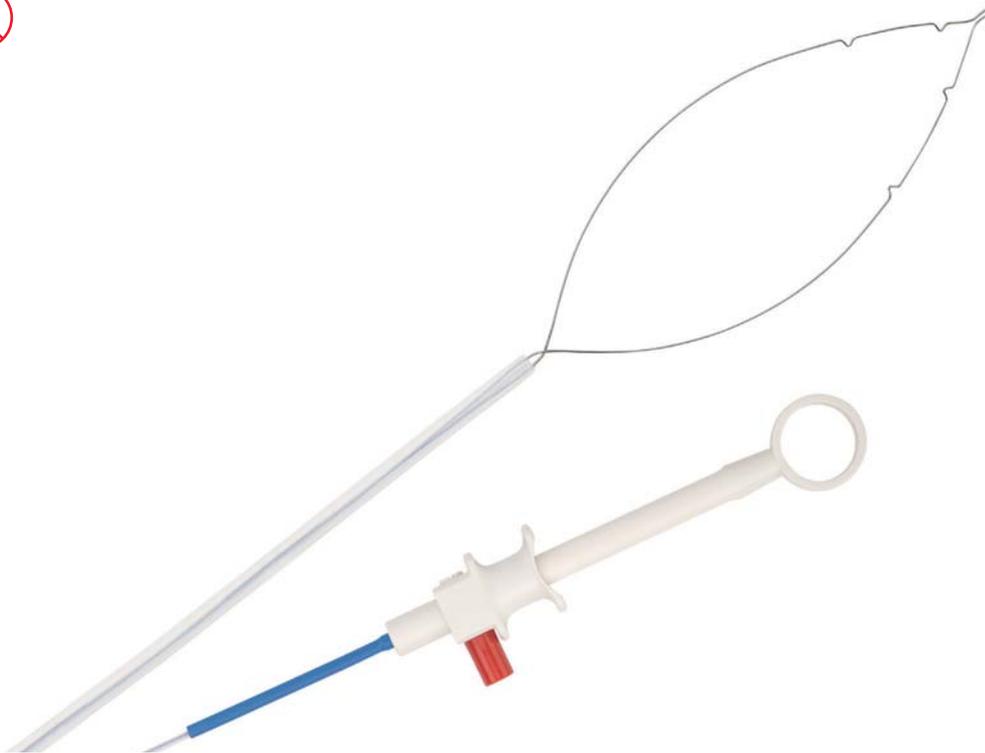


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99052011206	10 x 30	twisted, with flat feather	2,3	230
99052011216	15 x 35	twisted, with flat feather	2,3	230
99052011226	20 x 40	twisted, with flat feather	2,3	230
99052011236	30 x 60	twisted, with flat feather	2,3	230

Figure shows article REF 99052011226

POLYPECTOMY SNARES, SHARK TEETH, SYMMETRICAL

2

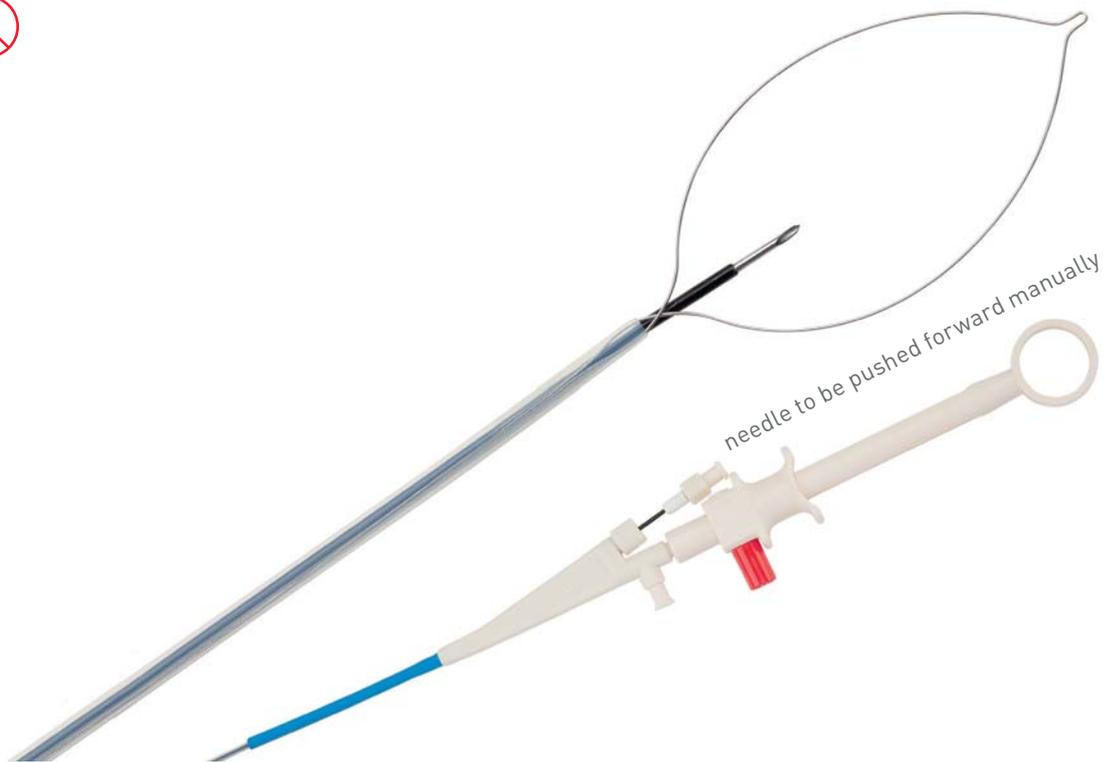


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99052051215	15 x 37	monofil, with 4 teeth	2,3	230
99052051225	25 x 55	monofil, with 4 teeth	2,3	230

Figure shows article REF 99052051225

POLYPECTOMY SNARE "SKORPIO-SNARE", WITH INJECTION NEEDLE

2



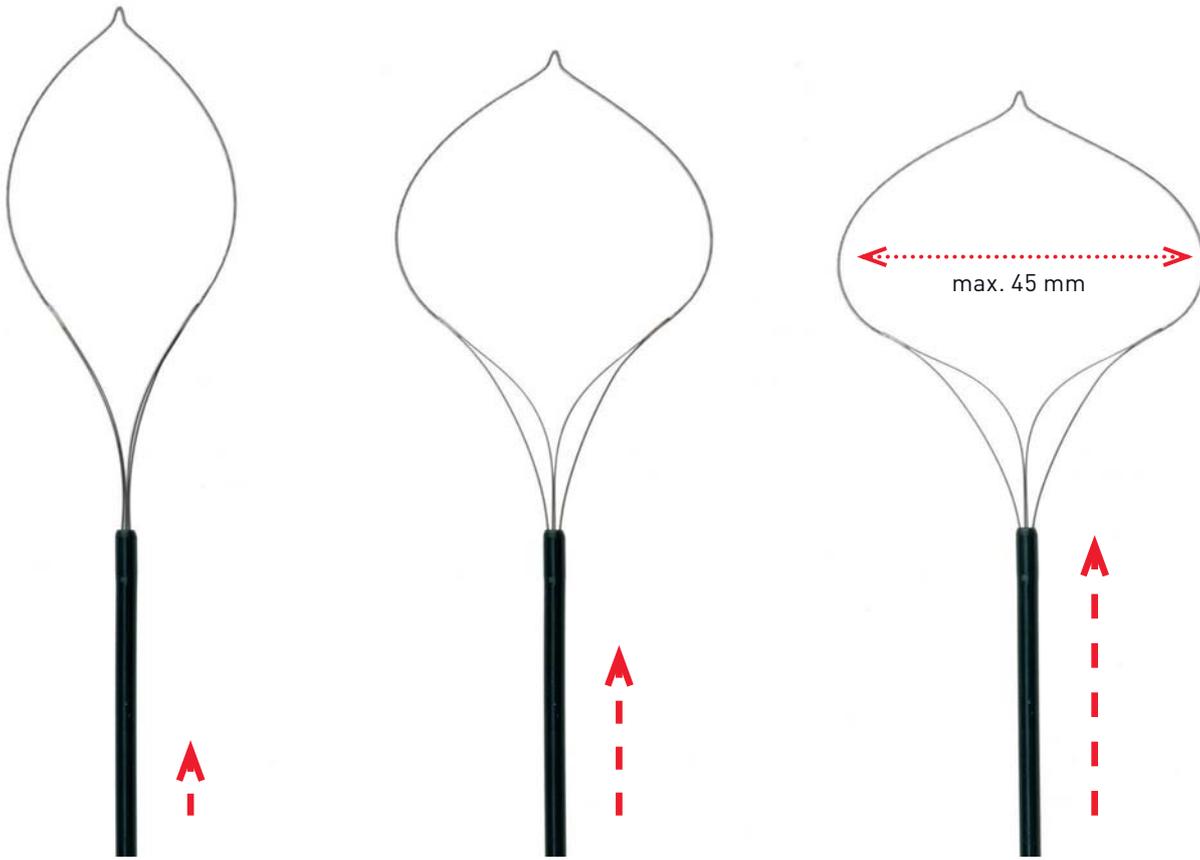
Article no.	Opening size width x height mm	Wire type	Needle Ø mm	Diameter mm	Length cm
99052111225	approx. 20 x 40	monofil	0,7	2,6	230



KUDO-SNARE

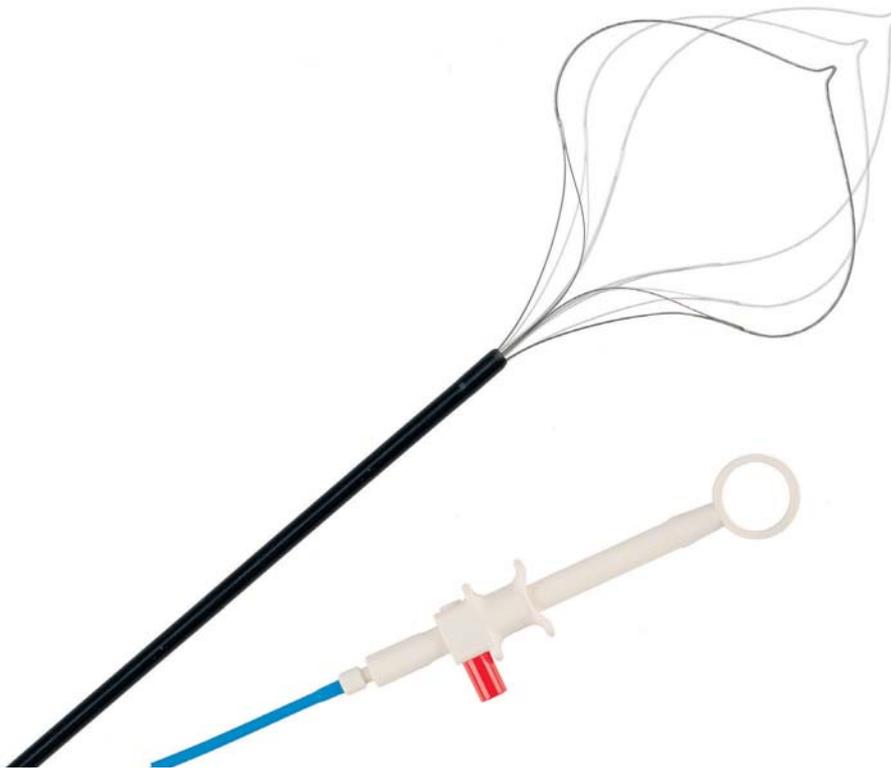
controllable opening width,
polypectomy snare
suitable for mucosectomy





POLYPECTOMY SNARE "KUDO-SNARE", CONTROLLABLE

2

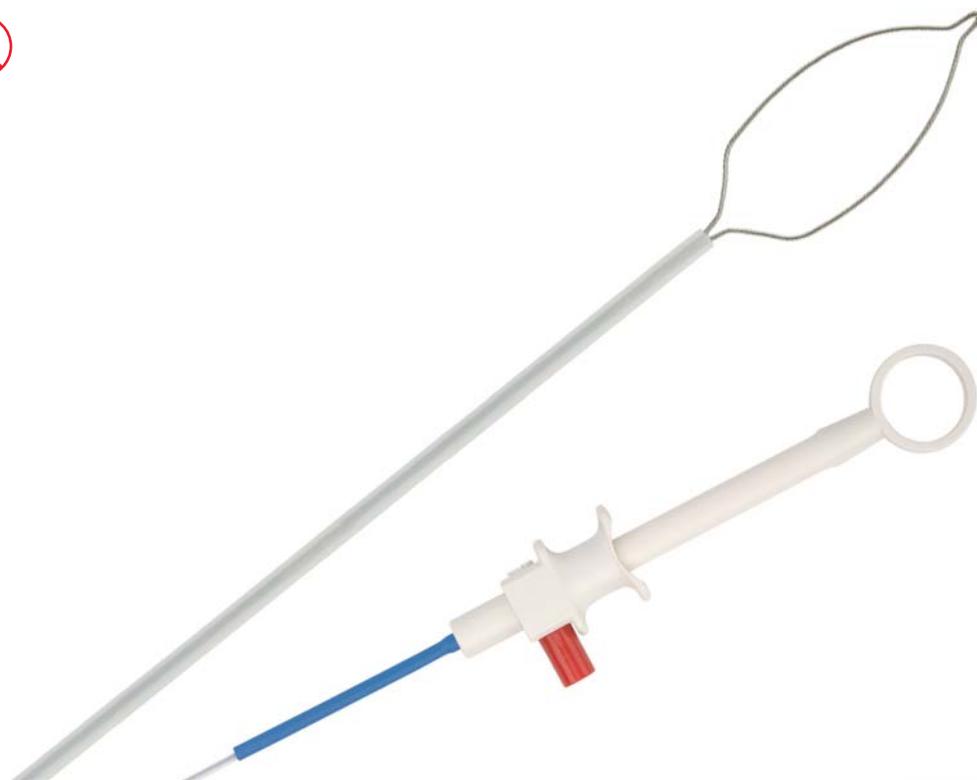


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99052011238	min. approx. 29 x 57 max. approx. 45 x 43	twisted, with flat feather	2,6	230

POLYPECTOMY SNARE FOR COLD ABLATION

Handle with HF currency connection for emergency coagulation
or for conventional electrosurgical polypectomy

2



Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99052111202	10 x 20	twisted	2,3	230
99052111205	10 x 20	monofil	2,3	230

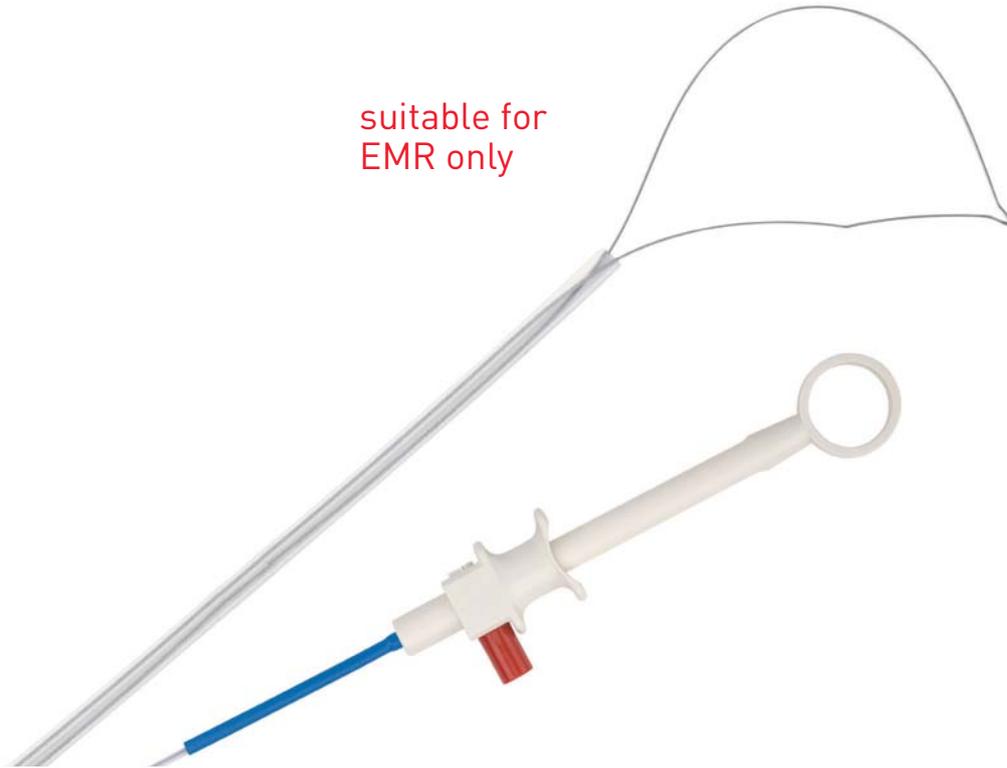
Figure shows article REF 99052111202

POLYPECTOMY SNARE FOR "EMR", ASYMMETRICAL

soft, twisted snare wire

2

suitable for
EMR only

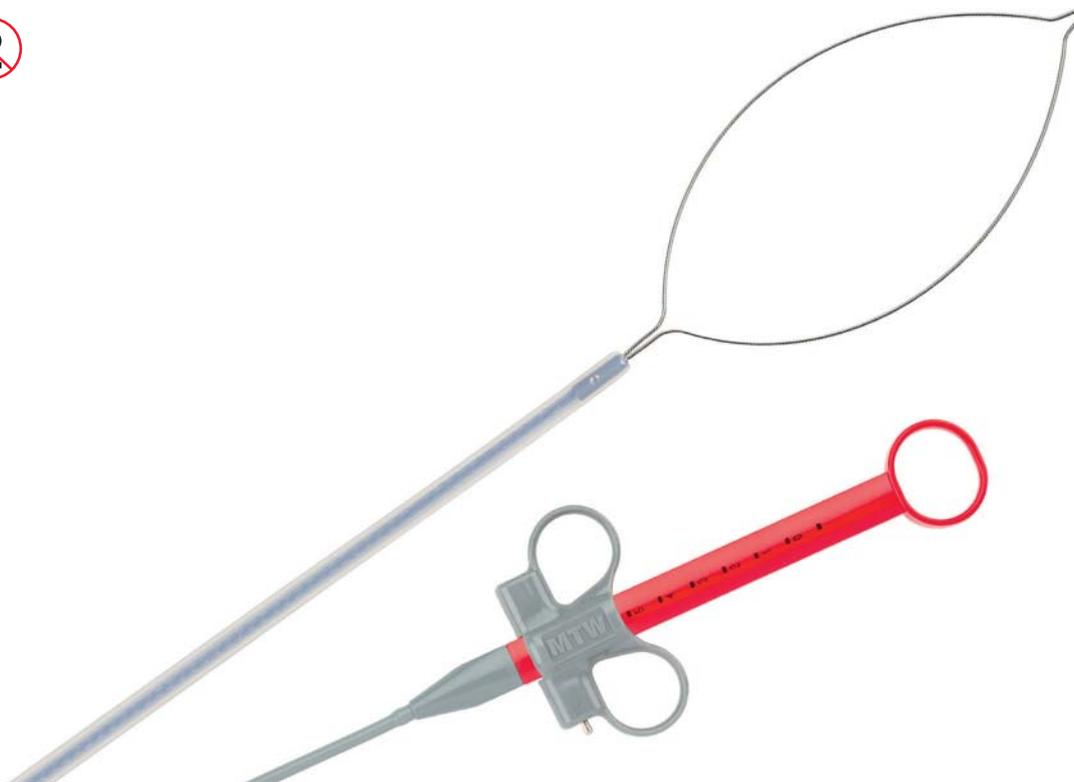


Article no.	Opening size mm	Diameter mm	Length cm
99052011123	22	1,8	230

POLYPECTOMY SNARE, SYMMETRICAL

twisted wire

2



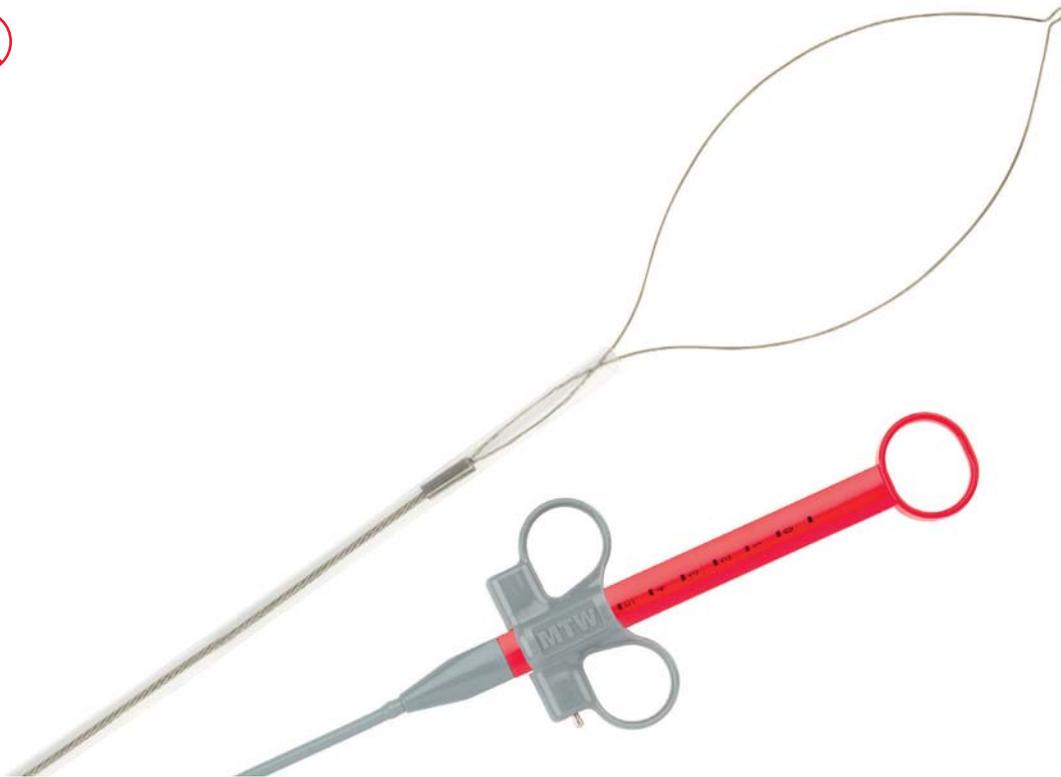
Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99052012202	15 x 25	twisted	2,3	230
99052012232	30 x 50	twisted	2,3	230

Figure shows article REF 99052012232

POLYPECTOMY SNARE, SYMMETRICAL

monofil wire

2

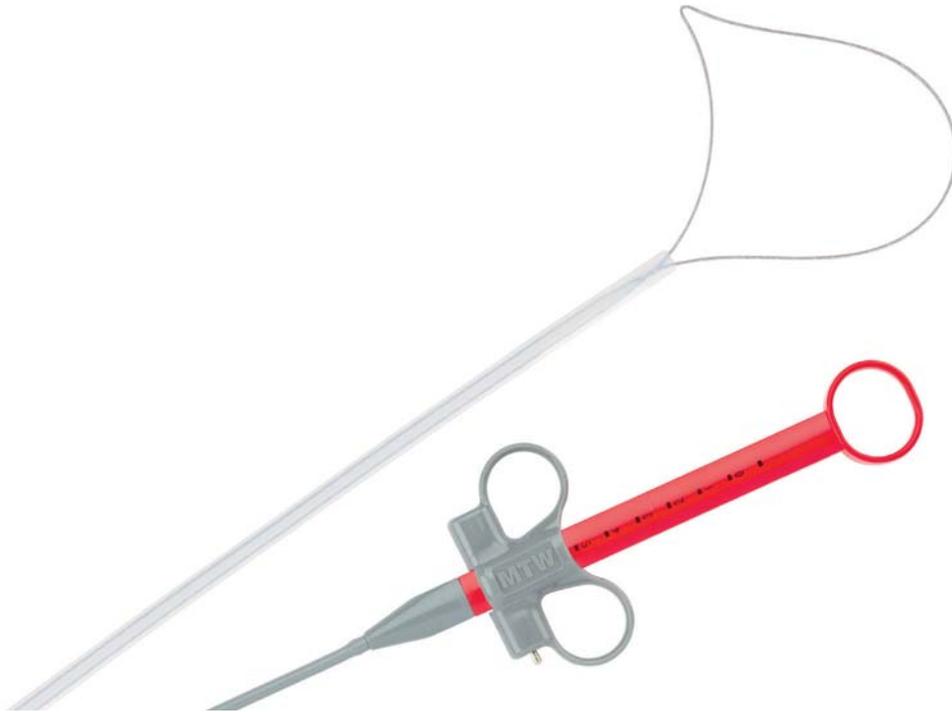


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99052012225	17 x 45	monofil	2,3	230
99052012235	25 x 50	monofil	2,3	230

Figure shows article REF 99052012235

POLYPECTOMY SNARE, ASYMMETRICAL

2



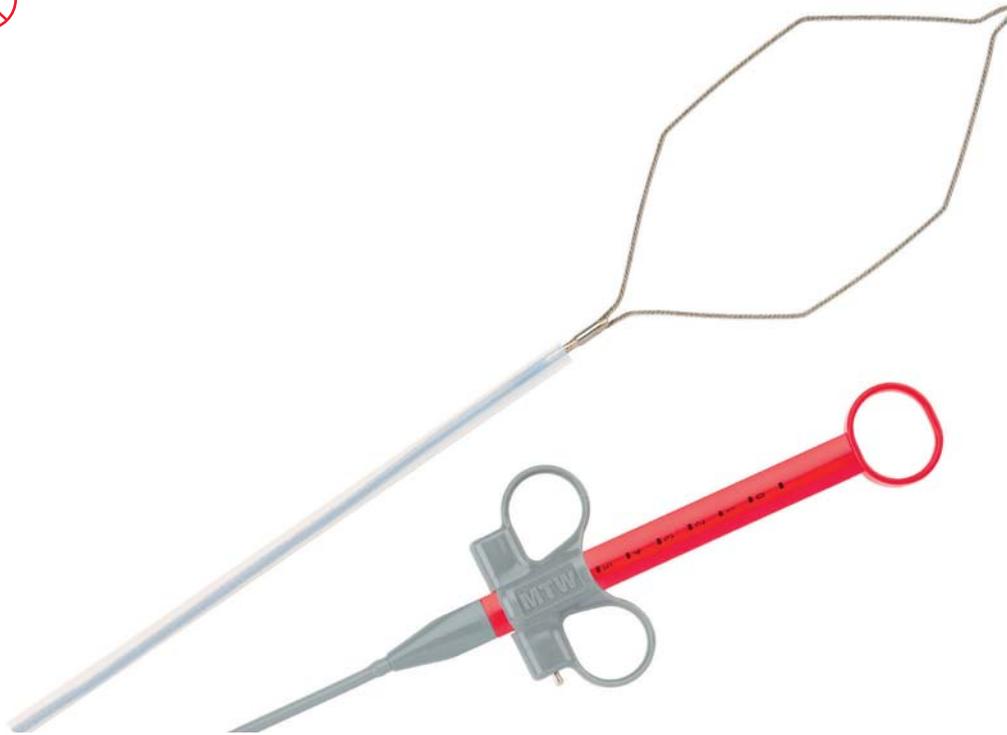
Article no.	Opening size mm	Diameter mm	Length cm
99052012211	15	2,3	230
99052012221	25	2,3	230

Figure shows article REF 99052012221

POLYPECTOMY SNARE, HEXAGONAL

twisted wire

2



Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99052012234	30 x 50	twisted	2,3	230

COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



— Suitable for guide wire 0.035 inch



— Suitable for guide wire 0.025 inch



— Suitable for guide wire 0.018 inch



— Suitable for double- and single-balloon enteroscopy, 250 cm



— Suitable for double- and single-balloon enteroscopy, 280 cm



— Suitable for bronchoscopy, 120 cm

We reserve the right to make technical changes and to deviate from the depicted images.

BIOPSY FORCEPS
HOT-BIOPSY FORCEPS
PUNCTURE BIOPSY FORCEPS
HIGH FREQUENCY CLAMP
MICRO-BITES

06

BIOPSY FORCEPS



BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated or fenestrated with spike, not covered



Article no.	With spike	Diameter mm	Length cm
99060502805		2,3	180
99060502815	•	2,3	180
99060502804		2,3	230
99060502814	•	2,3	230

Figure shows article REF 99060502804

BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated or fenestrated with spike, covered

2



Article no.	With spike	Diameter mm	Length cm
99064502805		2,3	180
99064502815	•	2,3	180
99064502804		2,3	230
99064502814	•	2,3	230

Figure shows article REF 99064502805

BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated with alligator jaws, covered

2

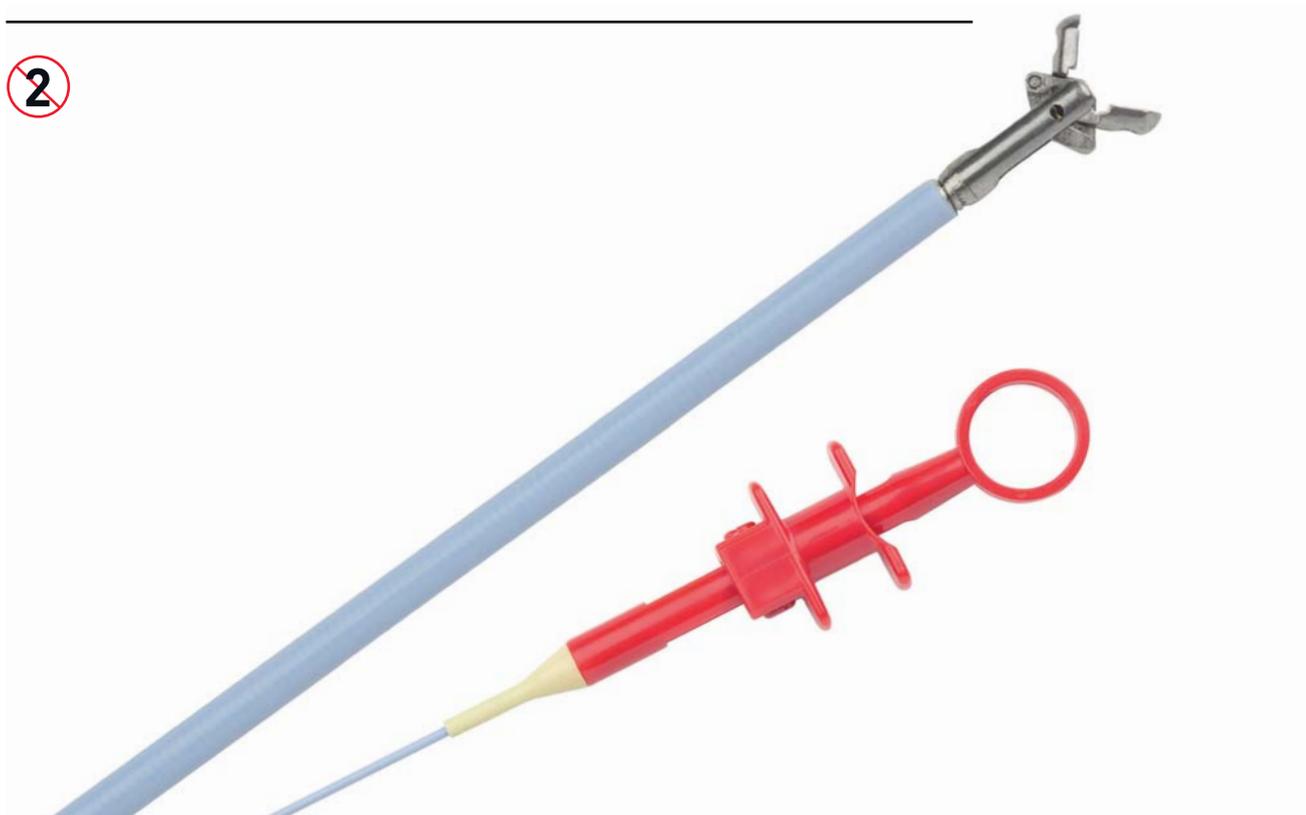


Article no.	Diameter mm	Length cm
99064502831	2,3	120

BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated or fenestrated with spike, covered

2



Article no.	with spike	Diameter mm	Length cm
99063402811		1,8	120
99063402805		1,8	180
99063502805		2,3	180
99063502815	•	2,3	180
99063502804		2,3	230
99063502814	•	2,3	230
99063702804		3,0	230

Figure shows article REF 99063502804

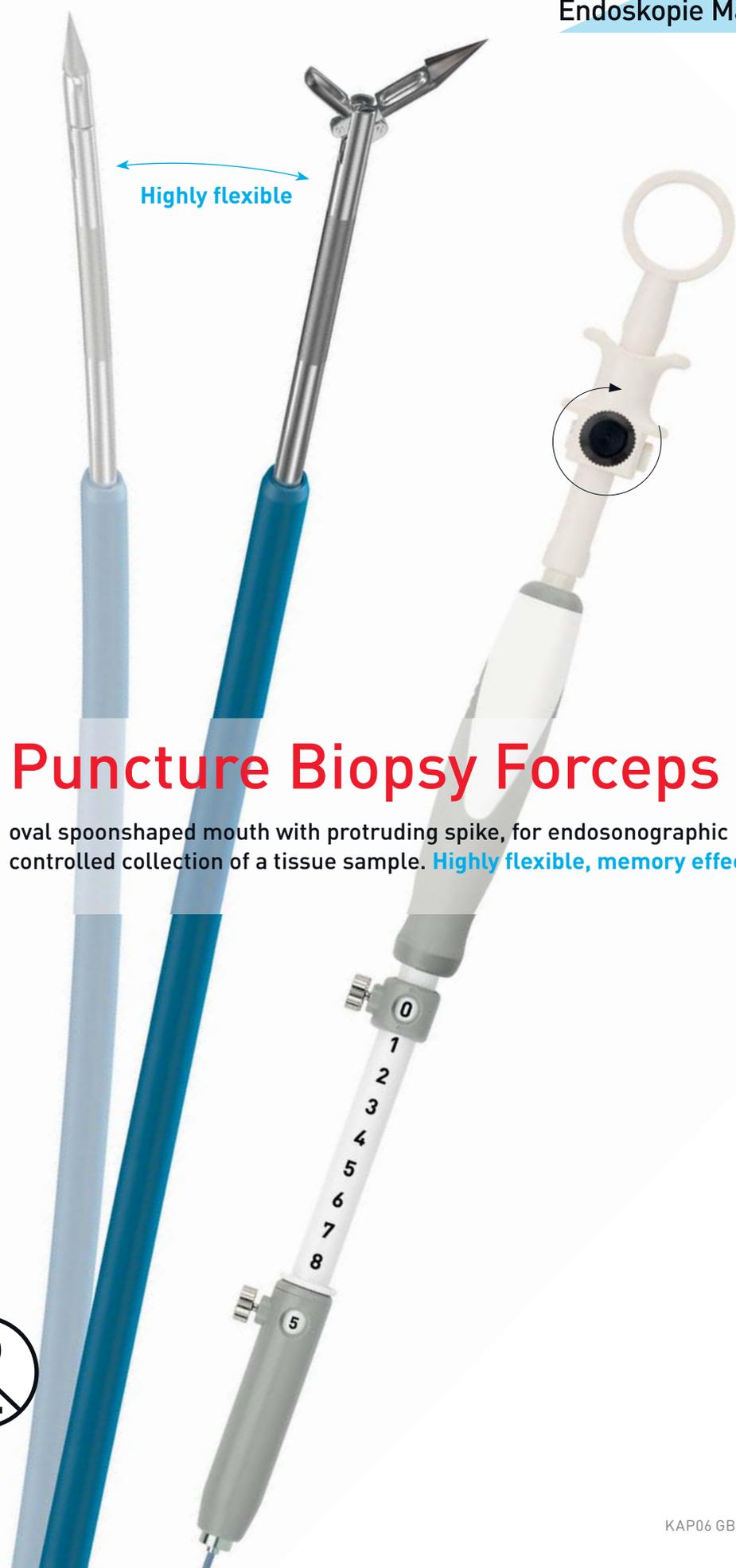
HOT-BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated

2



Article no.	Diameter mm	Length cm
99062502104	2,3	230



Highly flexible

Puncture Biopsy Forceps

oval spoonshaped mouth with protruding spike, for endosonographic controlled collection of a tissue sample. **Highly flexible, memory effect**





Locking screw



Locking screw for fixing the branches.

In this setting, the spike and branches of the forceps are retracted and protected.

Cautious opening movement to open the forceps branches.



Figure 1:
EUS image of tumor of patient 1 with the MTW PBF needle in the tumor.



Closed branches of forceps



Ultrasound marking
for better visibility in
the EUS display

Locking screw



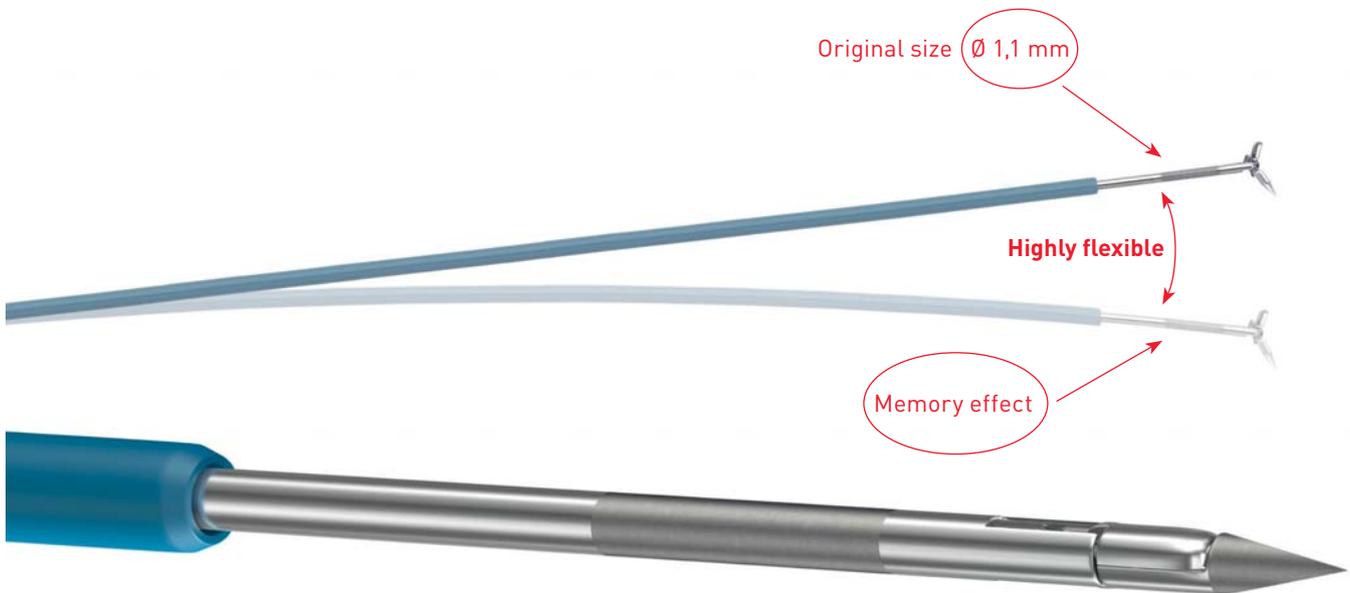
2 mm opening movement for opening the forceps branches



Luer-Lock for connecting to endoscope.

PUNCTURE BIOPSY FORCEPS

oval spoonshaped mouth with protruding spike, for endosonographic controlled collection of a tissue sample. **Highly flexible, memory effect**



Experience with the MTW Puncture Biopsy Forceps – Case series

Geke Litjens¹, MD and Erwin-Jan, M van Geenen², PharmD, MD, PhD | Radboud University Medical Center, Department of Radiology and Nuclear Medicine¹ | Department of Gastroenterology and Hepatology Nijmegen²

Between July 1st and October 31st 2018 EUS-guided biopsy, of the pancreas, with the 19-gauge Puncture Biopsy Forceps (PBF) of MTW Endoskopie Manufaktur, Wesel, Germany was performed at the Radboudumc on 4 patients. In all patients fine needle aspiration (FNA) was also performed with a conventional 22-gauge needle (...), with on-site pathology present. All EUS procedures were performed by the same gastroenterologist (EvG).

All patients were male and the age ranged from 57 to 71 years. Patient 1, 3 and 4 were planned for an EUS-guided biopsy because they were suspected to have pancreatitis but a malignant tumor was also in the differential diagnosis. Patient 2 was suspected to have a locally advanced pancreatic adenocarcinoma for which pathological confirmation was desired before starting systemic therapy. No adverse events occurred.

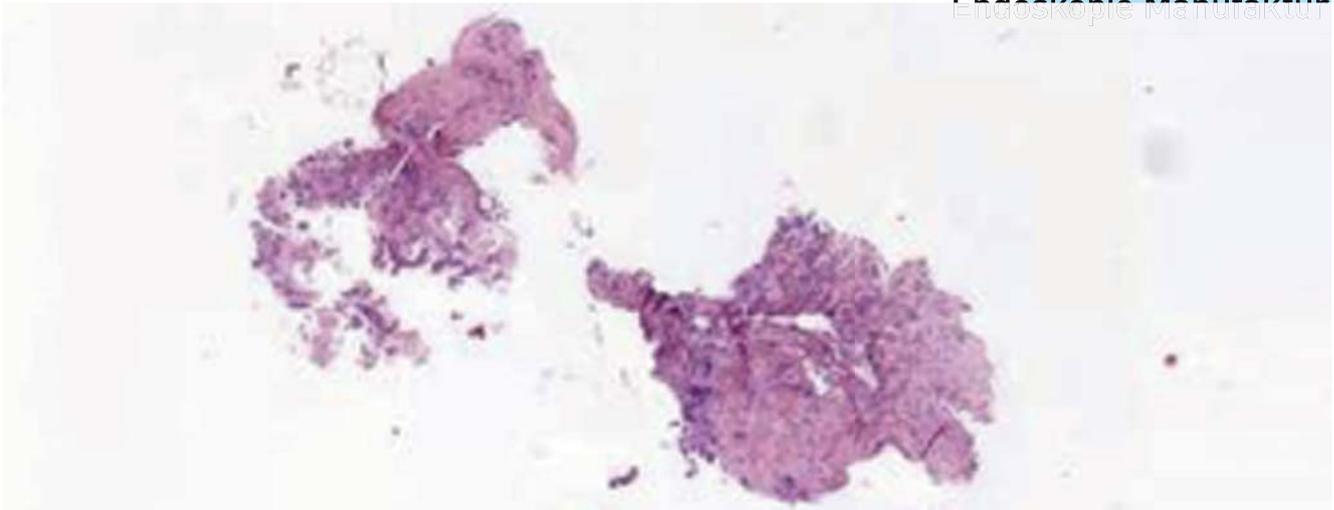
In 2015 we tested a previous version of the PBF [1] after which the needle design is updated. The new needle is still very sharp which results in easy penetration of the gastric or duodenal wall and the pancreatic tissue. The forceps mechanism in the tip continues to work well even after multiple biopsies in the same patient. The tip of the new needle is made of Nitinol which facilitates better bridging possibilities which results into better aiming of the needle. Although the tip is now flexible, working in a position in which the endoscope is strongly curved is still challenging due to the thickness of the needle (19-gauge).

The EUS-opacity of the new needle was decreased, compared to the previous version of the needle (Figure 2). Therefore, EUS-needle was adjusted and tested on a piece of beef, which resulted in an improved (very good) EUS visibility. This newest version was not used on patients in our centre yet.

1. Litjens, G., et al., First experience of obtaining pancreatic tissue with a puncture biopsy forceps versus fine needle aspiration. Endoscopy, 2015. 47 Suppl 1: p. E609-10.

1.Litjens, G., et al., First experience of obtaining pancreatic tissue with a puncture biopsy forceps versus fine needle aspiration. Endoscopy, 2015. 47 Suppl 1: p. E609-10.

Figure 2: Overview of histology of patient 1, obtained with the MTW PBF.



The handle of the needle was also updated since the first version. There is a lock mechanism to prevent the needle from opening while it is being introduced. This is a useful update to improve safety, however in patient 2 the needle was still accidentally opened in the shaft by the nurse that assisted the procedure.

The pathological yield of the needle was very variable. In patient 1 the PBF-biopsy consisted of two small tissue fragments (Figure 2). The histology contained a few groups of strongly atypical cells in a stromal fragment the findings were consistent with adenocarcinoma.

The cytology obtained with FNA of patient 1 also contained atypical cells consistent with adenocarcinoma. The histology of this patient was accidentally fixated in cytology liquid, instead of formalin. The assisting nurse did not realize that it was a histological biopsy. This was communicated with pathology department and the PBF-biopsy was processed as histology.

In patient 2 the PBF-biopsy consisted of 1 tissue fragment with a size of 1mm, the histology contained non-atypical cylindrical epithelia, without signs of malignancy. The cytology obtained with FNA of patient 2 did contain signs of malignancy consistent with adenocarcinoma.

In patient 3 the PBF-biopsy consisted of only bowel epithelia, the tissue was probably not representative. The cytology obtained with FNA showed signs of inflammation and slightly atypical cells consistent with pancreatitis, possibly groove pancreatitis.

In patient 4 the PBF-biopsy contained not enough tissue for diagnostic analysis. The cytology obtained with FNA showed no signs of inflammation or malignancy.

Based on our experiences we have some recommendations

- When the needle is introduced in the lesion it should be opened and then pressed forward into the tissue before closing the needle again. This could improve the tissue yield.
- The nurses that assist EUS biopsy procedures with the MTW PBF should be carefully instructed about the use of the needle to prevent premature opening of the forceps.
- All personnel that is present during EUS biopsy procedures with the MTW PBF should be made aware that histology is obtained with this procedure instead of cytology. This will prevent that the obtained material is being fixated in the wrong liquid.
- If possible, the lock mechanism should be extended so that it is not possible to open the forceps within the shaft.

Possible indications for use of the MTW PBF

- Biopsy of lymph nodes in patients with esophageal carcinoma and lung cancer.
- Biopsy of submucosal tumours, like GISTs.
- Biopsy of pancreatic lesions.
- Biopsy of cyst walls of pancreatic lesions.
- The histology can be used for diagnosis if FNA alone is not adequate.
- The histology obtained can be used for genotyping to determine the best systemic therapy strategy.
- The histology obtained can be used for additional staining in scientific context.

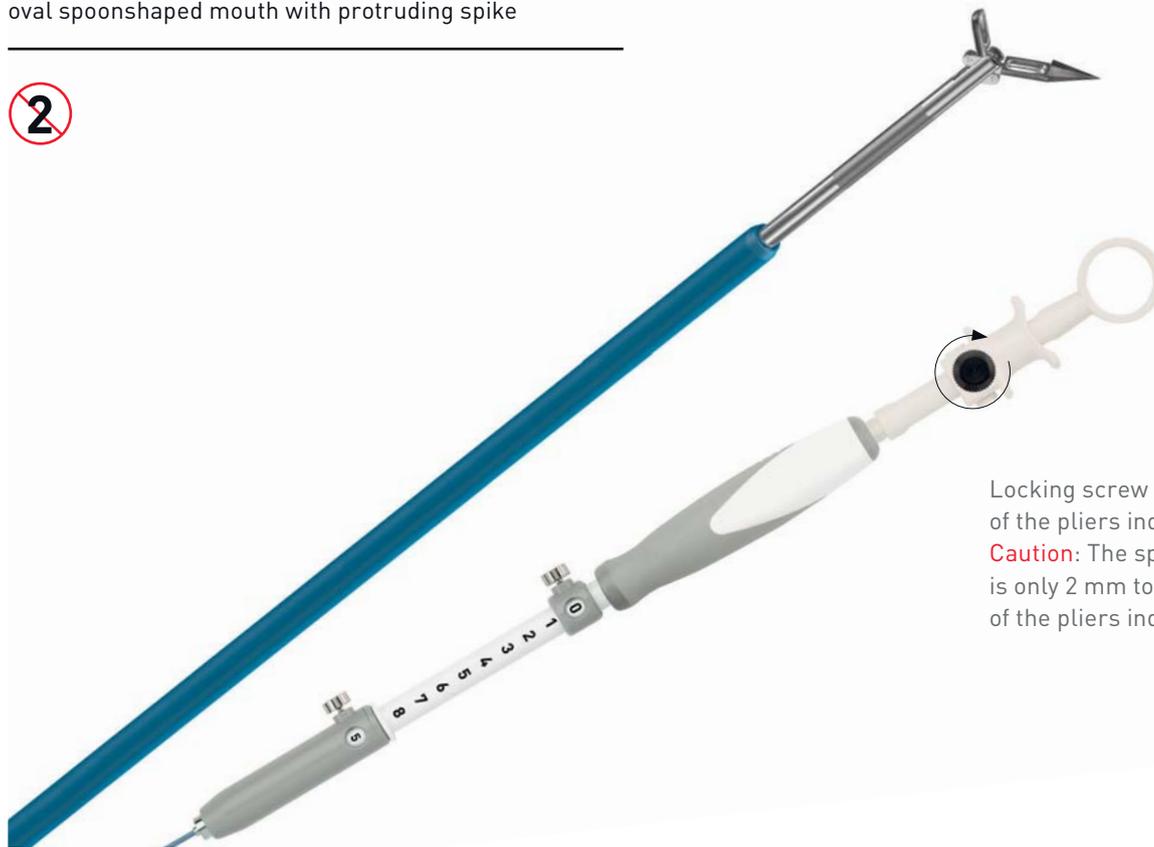
In conclusion, the MTW PBF* is a promising device, potentially for a broad range of indications. To determine the value of the PBF and its position in the diagnostic field a prospective study is needed in which the PBF is compared to other routinely used device(s).

* Puncture Biopsy Forceps

PUNCTURE BIOPSY FORCEPS

oval spoonshaped mouth with protruding spike

2



Locking screw for **fixation** of the pliers industries
Caution: The spool feed rate is only 2 mm to open of the pliers industry.

Article no.	Forceps diameter mm	Tube diameter mm	Tube length cm	Forceps outlet max. cm
99061402115	1,1	1,95	142,2	7,5

COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



— Suitable for guide wire 0.035 inch



— Suitable for guide wire 0.025 inch



— Suitable for guide wire 0.018 inch



— Suitable for double- and single-balloon enteroscopy, 250 cm



— Suitable for double- and single-balloon enteroscopy, 280 cm



— Suitable for bronchoscopy, 120 cm

We reserve the right to make technical changes and to deviate from the depicted images.

FOREIGN BODY REMOVING 07
FORCEPS
POLYPOTOMES
POLYP TRAP NET LOOPS

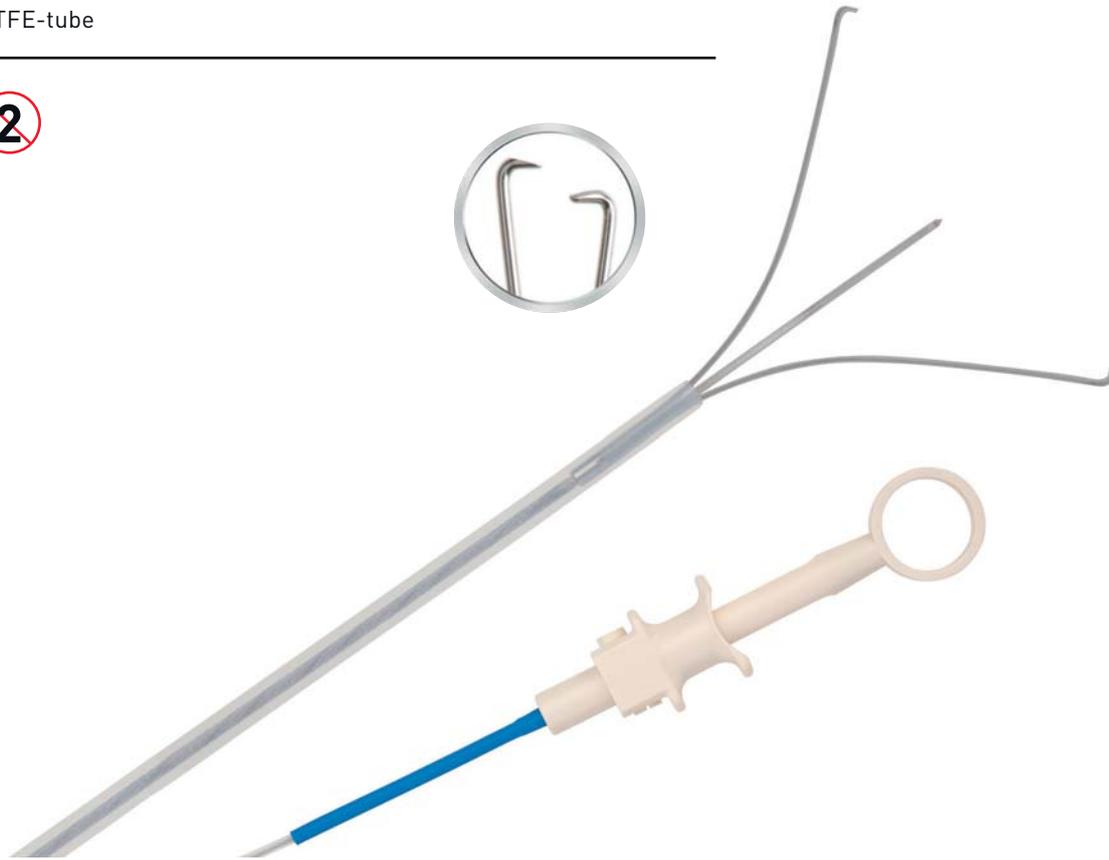
FOREIGN BODY REMOVING FORCEPS



FOREIGN BODY REMOVING FORCEPS

PTFE-tube

2



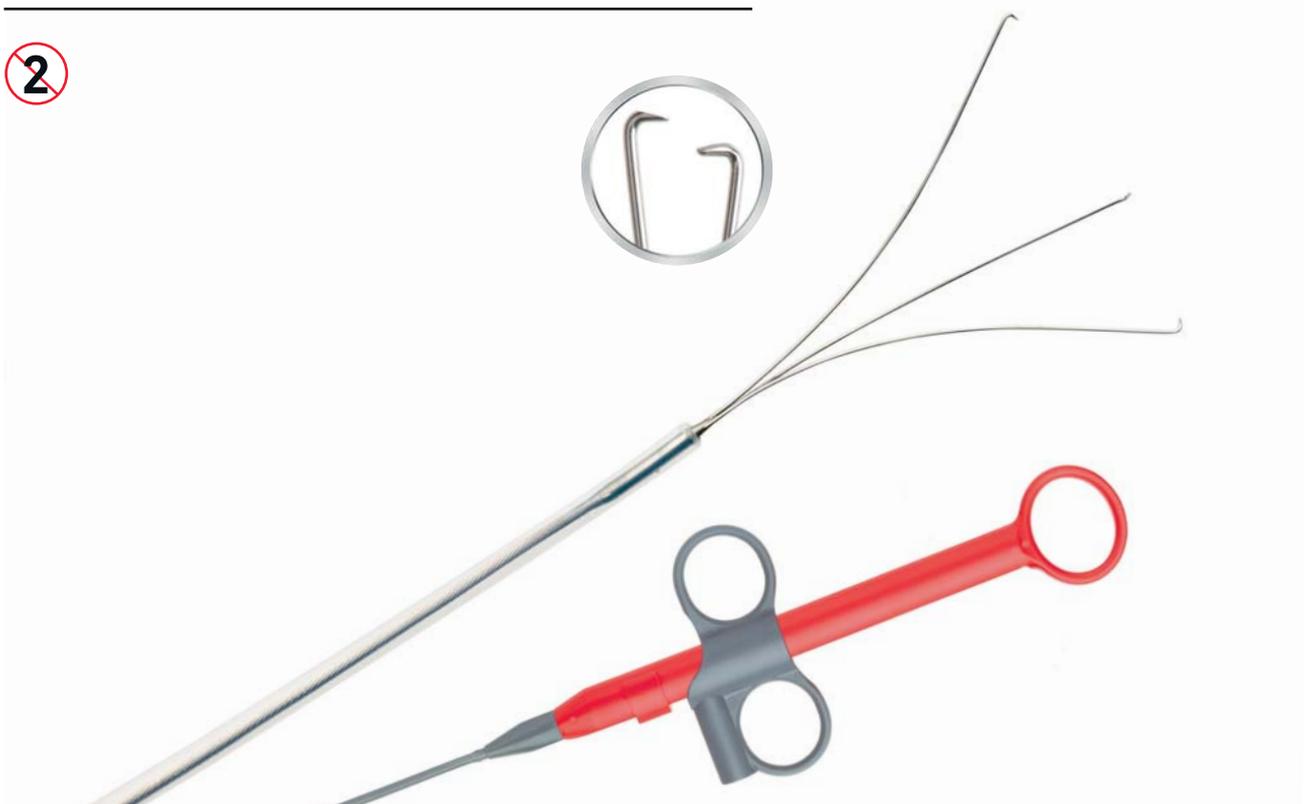
Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
990720123	30	3	2,5	230
990734023	30	4	2,5	230

Figure shows article REF 990720123

FOREIGN BODY REMOVING FORCEPS

PTFE- tube

2

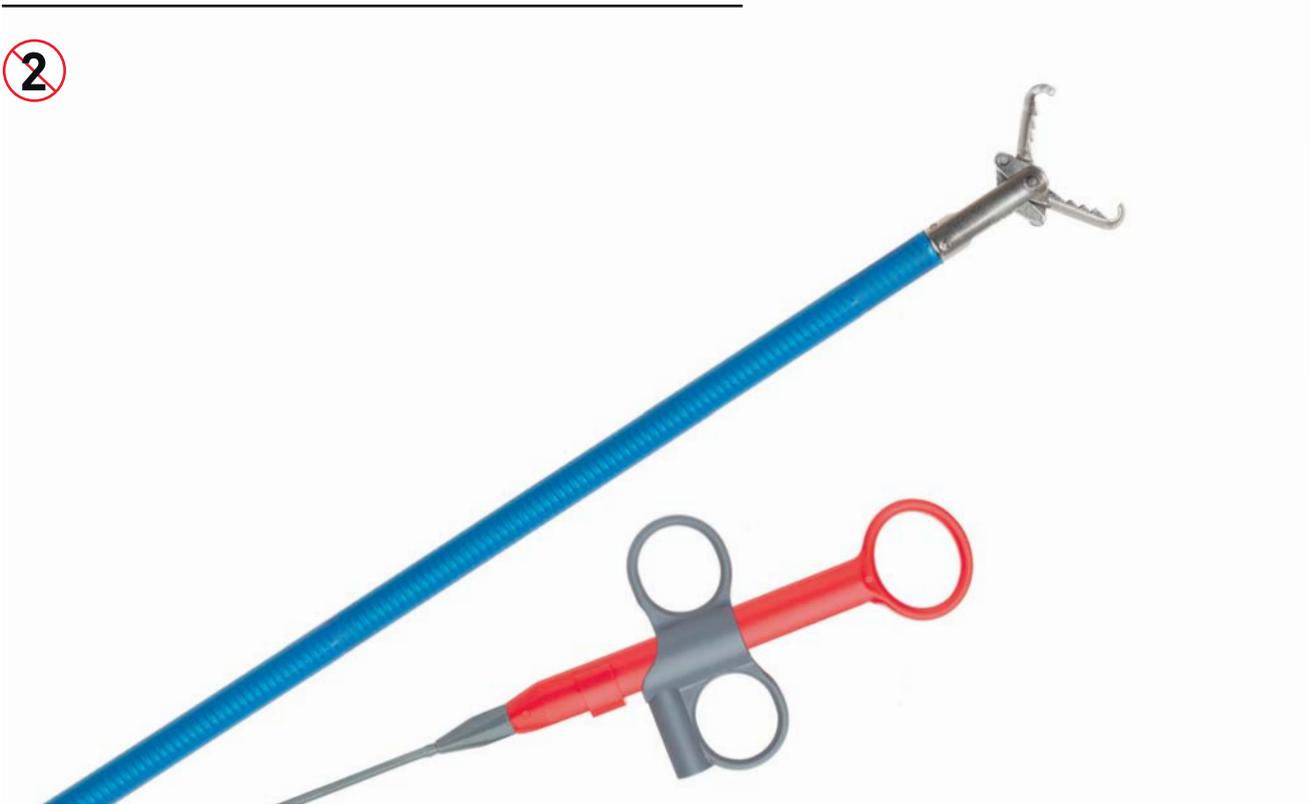


Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
990723123	30	3	2,3	230

FOREIGN BODY REMOVING FORCEPS

short alligator mouth, 1 to 2 teeth, coated

2



Article no.	Opening dimension mm	Diameter mm	Length cm
990721320	7,5	2,3	230
990711320	9	1,8	230

Figure shows article REF 990721320

FOREIGN BODY REMOVING FORCEPS

long alligator mouth, 1 to 2 teeth, coated

2

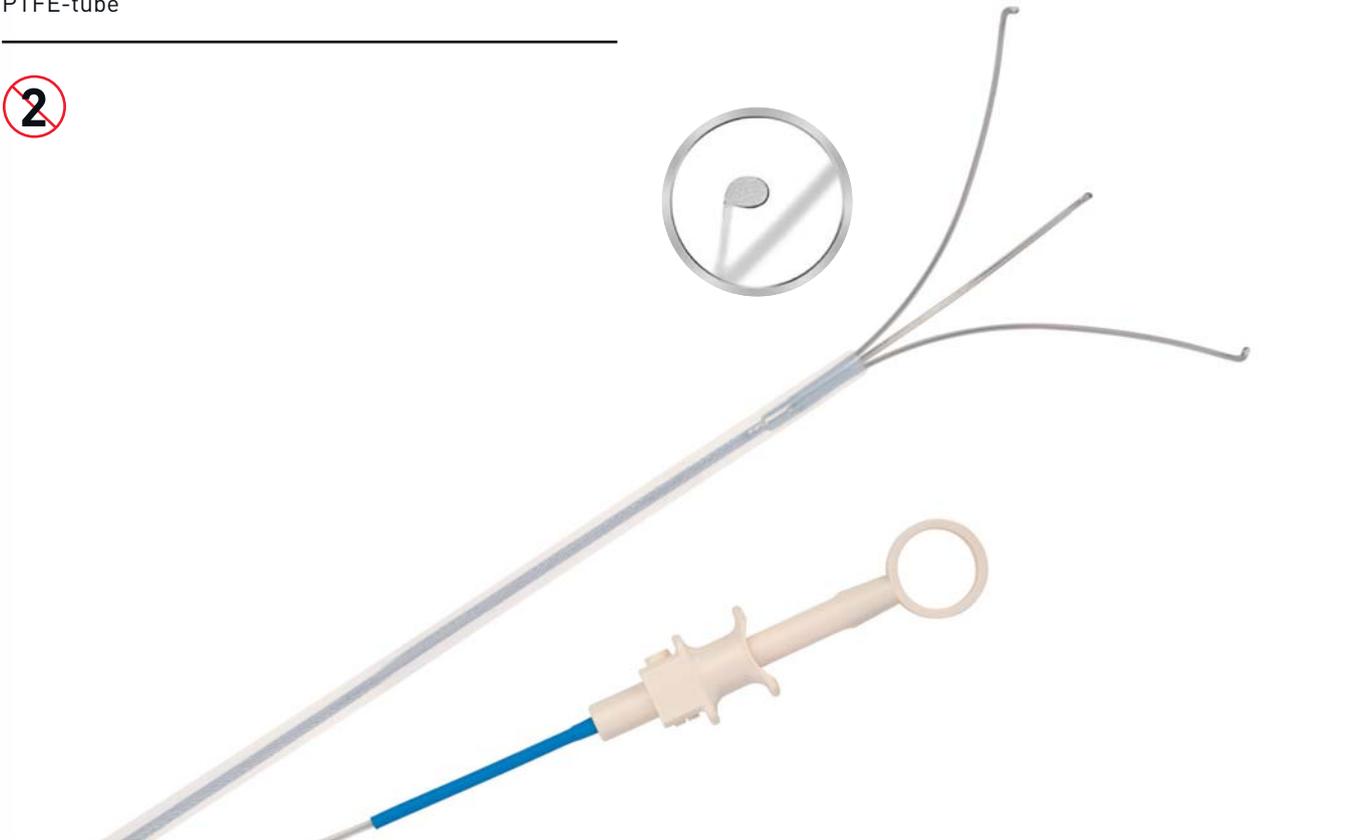


Article no.	Opening dimension mm	Diameter mm	Length cm
990721420	15,5	2,3	230

POLYPOTOME

PTFE-tube

2

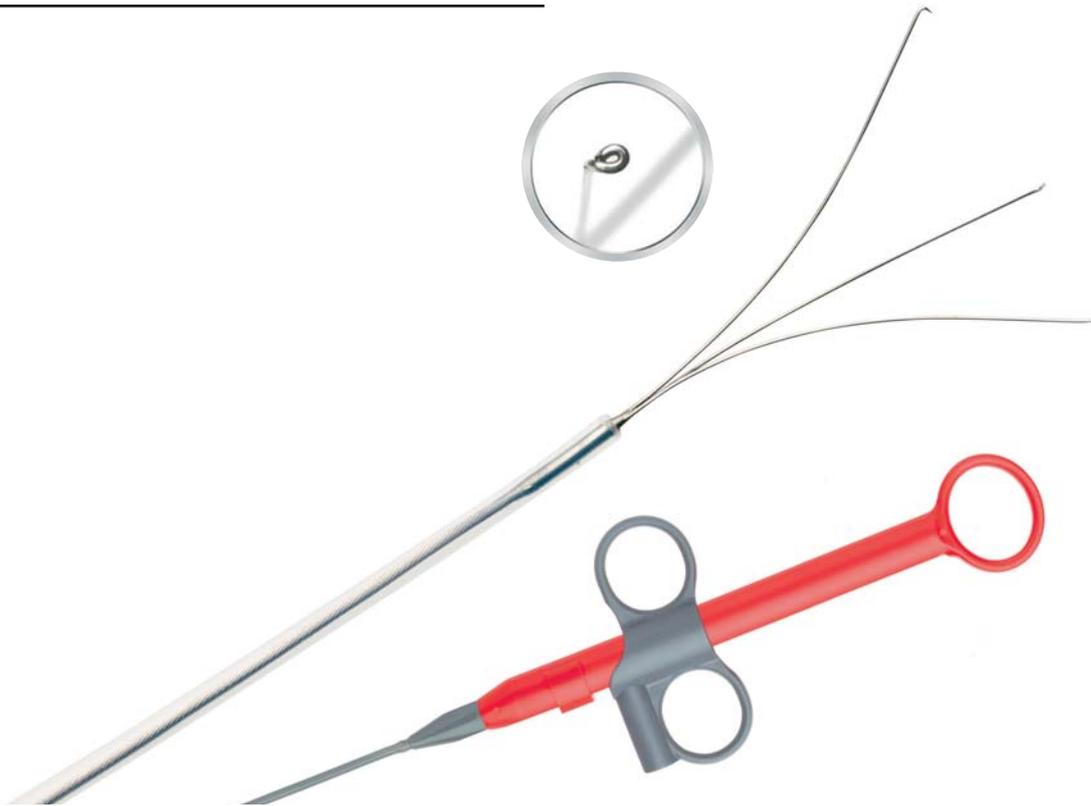


Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
990720223	30	3	2,5	230

POLYPOTOMES

PTFE-tube

2

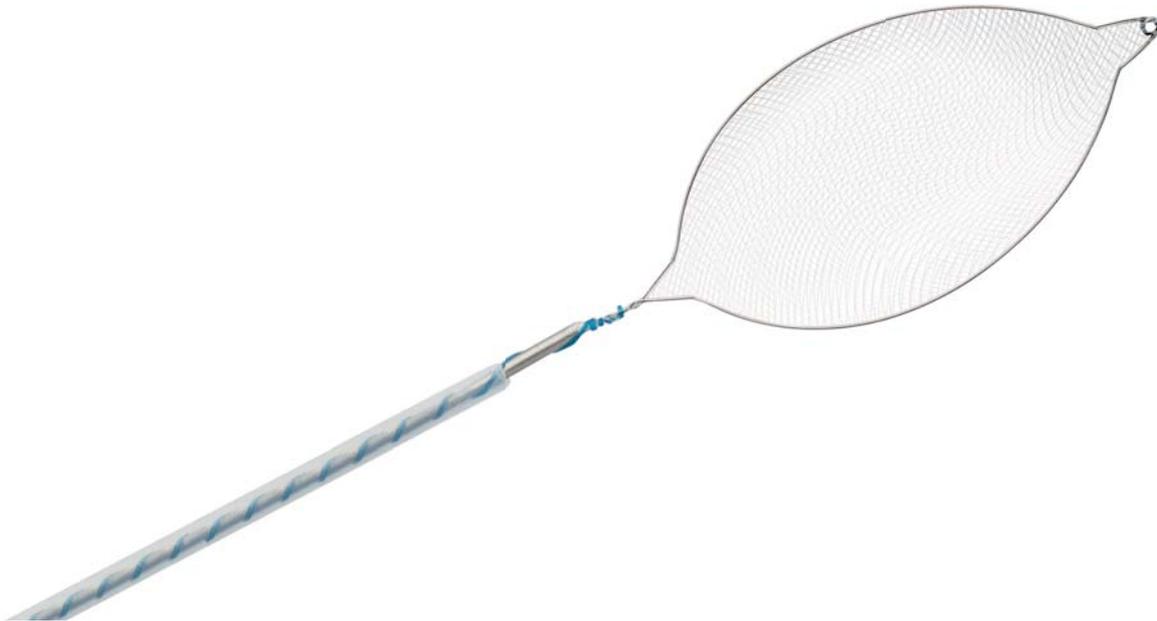


Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
990723223	30	3	2,3	230
990724223	30	4	2,3	230

Figure shows article REF 990723223

POLYP TRAP NET LOOPS “POLYP CATCHER”

2



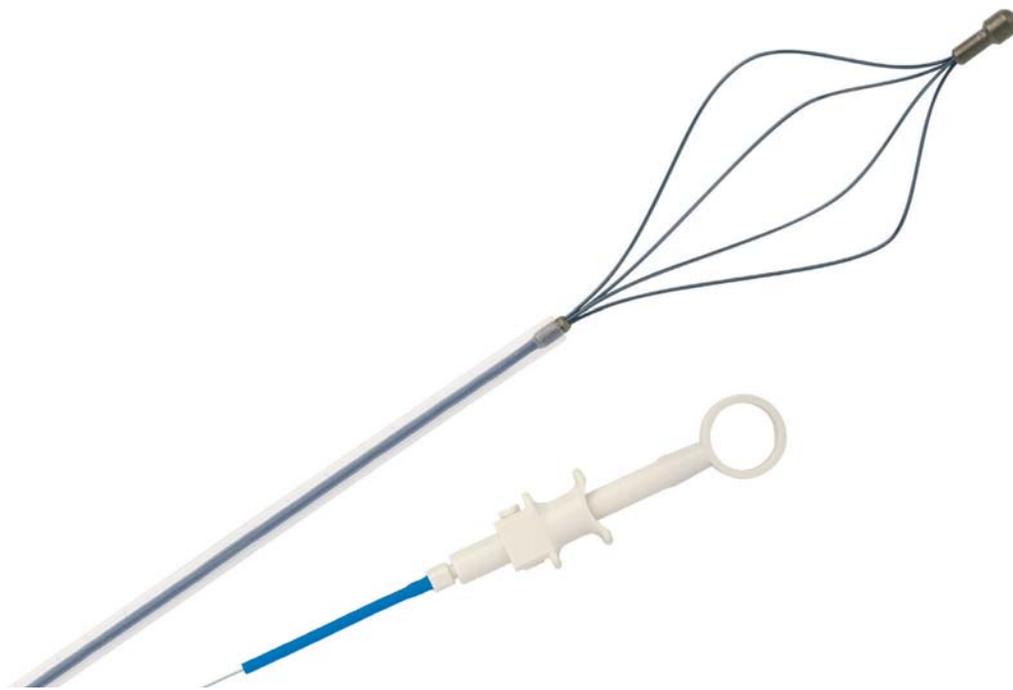
Article no.	Opening dimension width x height mm	Diameter mm	Length cm
990730230	30 x 60	2,5	230
990740230	40 x 75	2,5	230

Figure shows article REF 990730230

BASKET FOR FOREIGN BODIES, NITINOL

for bronchoscopy

2



Article no.	Basket expanded dimension mm		Basket type	Diameter mm	Length cm
	Opening width	Opening length			
991103112302	15	25	straight	1,8	120

COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



0.035 — Suitable for guide wire 0.035 inch



0.025 — Suitable for guide wire 0.025 inch



0.018 — Suitable for guide wire 0.018 inch



250 — Suitable for double- and single-balloon enteroscopy, 250 cm



280 — Suitable for double- and single-balloon enteroscopy, 280 cm



120 — Suitable for bronchoscopy, 120 cm

We reserve the right to make technical changes and to deviate from the depicted images.

BRUSHES
CYTOLOGY BRUSHES
CLEANING BRUSHES

BRUSHES



CYTOLOGY BRUSHES

2



Article no.	Brush diameter mm	Diameter mm	Length cm	Name
0832011	2,5	1,75	120	Broncho-Set
0833111	3,0	2,35	160	Gastro-Set
0833211	3,0	2,35	220	Colo-Set

Figure shows article REF 0832011

CYTOLOGY BRUSH

double-lumen, with guiding tip, for guide wire



Article no.	Brush diameter mm	For guide wire inch	Diameter mm	Length cm
0821281	2,5	0.035	2,7	200

CLEANING BRUSHES



CLEANING BRUSHES, ONE-SIDED

2



Article no.	Brush diameter mm	Working channel mm	Diameter mm	Length cm
0841250	1,8	1,0 - 1,6	0,8	230
0843050	3,0	1,8	1,6	100
0843050x10	3,0	1,8	1,6	100
0843150	3,0	1,8	1,6	180
0843150x10	3,0	1,8	1,6	180
0843250	3,0	1,8	1,6	230
0843250x10	3,0	1,8	1,6	230
0843350	3,0	1,8	1,6	280
0845150	5,0	2,8	1,8	180
0845150x10	5,0	2,8	1,8	180
0845250	5,0	2,8	1,8	230
0845250x10	5,0	2,8	1,8	230
0845350	5,0	2,8	1,8	280

Figure shows article REF 0841250

CLEANING BRUSHES, DOUBLE-SIDED

2



Article no.	Brush diameter mm	Working channel mm	Diameter mm	Length cm
0843152	3,0	1,8	1,6	180
0843152x10	3,0	1,8	1,6	180
0843252	3,0	1,8	1,6	230
0843252x10	3,0	1,8	1,6	230
0845152	5,0	2,8	1,8	180
0845152x10	5,0	2,8	1,8	180
0845252	5,0	2,8	1,8	230
0845252x10	5,0	2,8	1,8	230
0845352	5,0	2,8	1,8	280
0848252	8,0	4,2	1,8	230
0848252x10	8,0	4,2	1,8	230

Figure shows article REF 0843152

CLEANING BRUSH FOR BIOPSY VALVE

2



Article no.	Diameter brush 1 mm	Diameter brush 2 mm	Length cm
081105	11	5	15,5
081105x10	11	5	15,5

COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



0.035 — Suitable for guide wire 0.035 inch



0.025 — Suitable for guide wire 0.025 inch



0.018 — Suitable for guide wire 0.018 inch



250 — Suitable for double- and single-balloon enteroscopy, 250 cm



280 — Suitable for double- and single-balloon enteroscopy, 280 cm



120 — Suitable for bronchoscopy, 120 cm

We reserve the right to make technical changes and to deviate from the depicted images.

INJECTION NEEDLES



INJECTION NEEDLES

with click-lock-system, pinpoint working



Article no.	Cannula diameter mm	Needle length mm	Metal tip	Diameter mm	Length cm
0910518211	0,5	5		1,75	180
0910523112	0,5	3	•	2,35	230
0910523112x50	0,5	3	•	2,35	230
0910718212	0,7	5	•	2,35	180
0910718212AS	0,7	5	•	2,35	180
0910723212	0,7	5	•	2,35	230
0910723212AS	0,7	5	•	2,35	230
0910728111	0,7	5		1,75	280
0910728212	0,7	5	•	2,35	280
0911018212	1,0	5	•	2,35	180
0911023212	1,0	5	•	2,35	230
0911023212AS	1,0	5	•	2,35	230

Figure shows article REF 0910723212

INJECTION NEEDLE, SET FOR HISTOACRYL

②



Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
990930723207	0,7	5	2,3	230

INJECTION NEEDLES, DOUBLE-LUMEN

for fibrin-adhesive injection



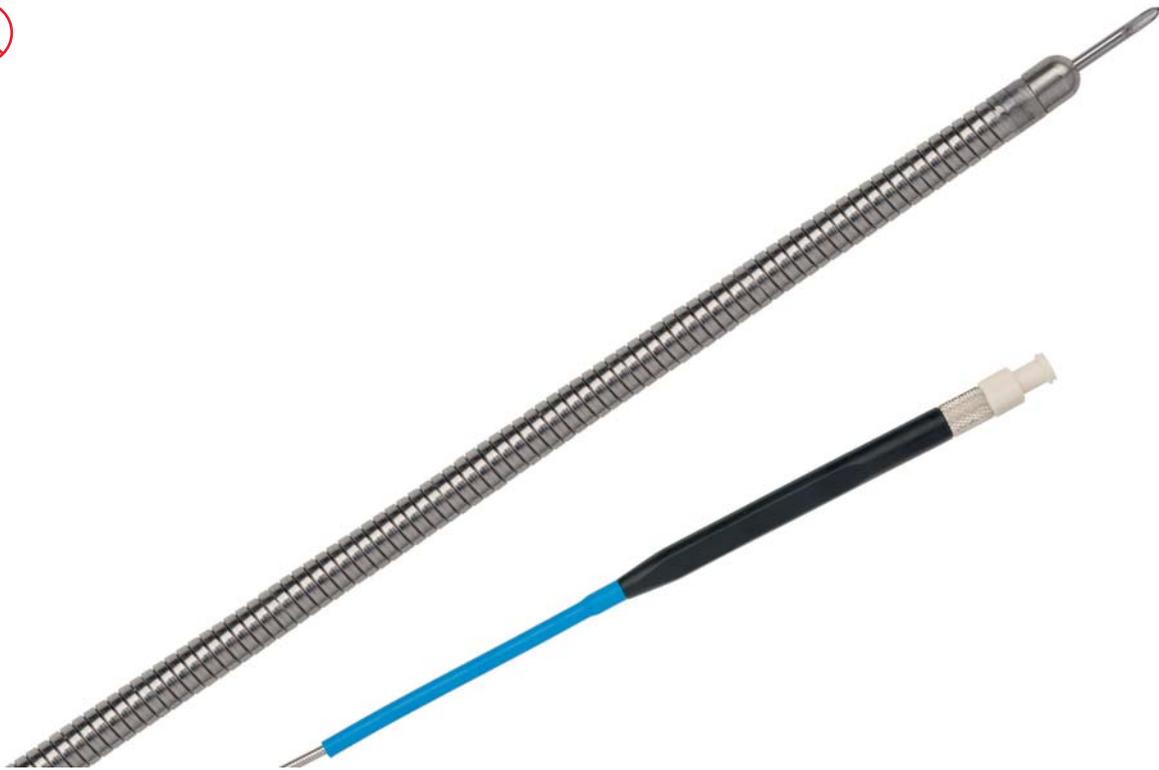
Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
990927523426	0,5 / 0,7	6	2,6	230
990927723426	0,7 / 0,7	6	2,6	230

Figure shows article REF 990927723426

INJECTION NEEDLE FOR HEMOSTASIS

with metal tube

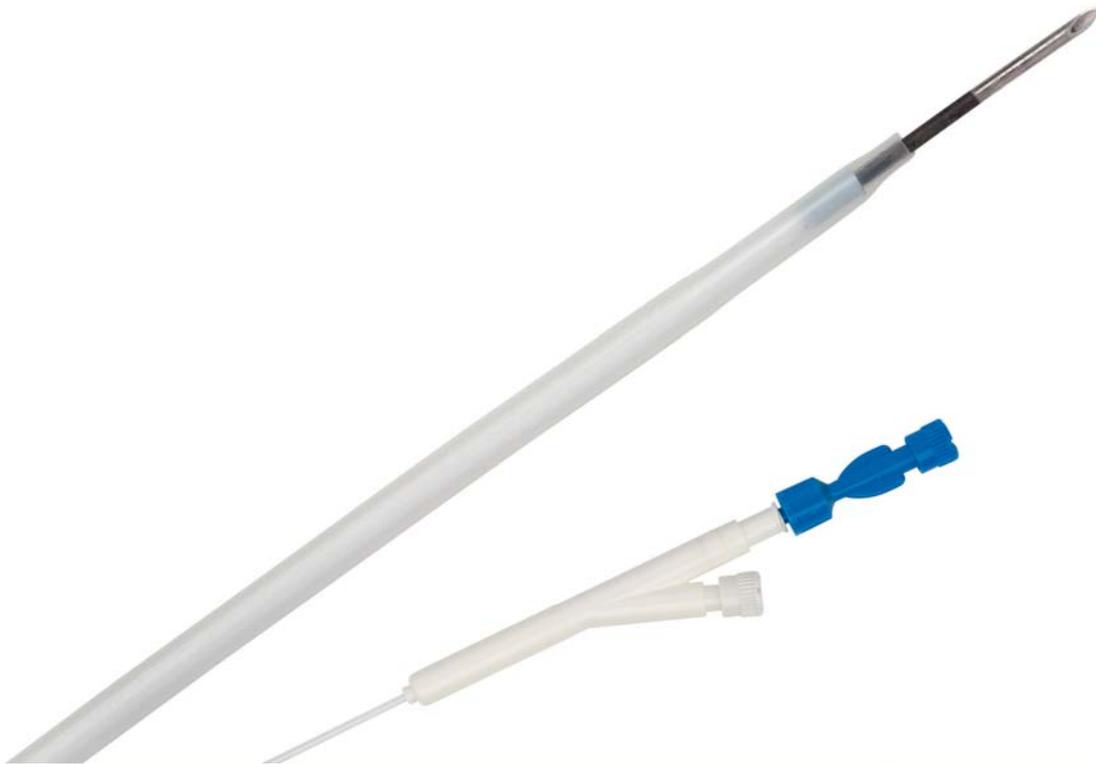
2



Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
990930723107	0,7	5	2,3	230

ASPIRATION NEEDLE

2



Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
0910712216	0,7	10	1,75	120

COLOUR CODES AND SYMBOLS



— Disposable products



— Reusable products



— Single-lumen products



— Double-lumen products



— Triple-lumen products



— Shape-stabilizer



— Suitable for guide wire 0.035 inch



— Suitable for guide wire 0.025 inch



— Suitable for guide wire 0.018 inch



— Suitable for double- and single-balloon enteroscopy, 250 cm



— Suitable for double- and single-balloon enteroscopy, 280 cm



— Suitable for double- and single-balloon enteroscopy, 550 cm



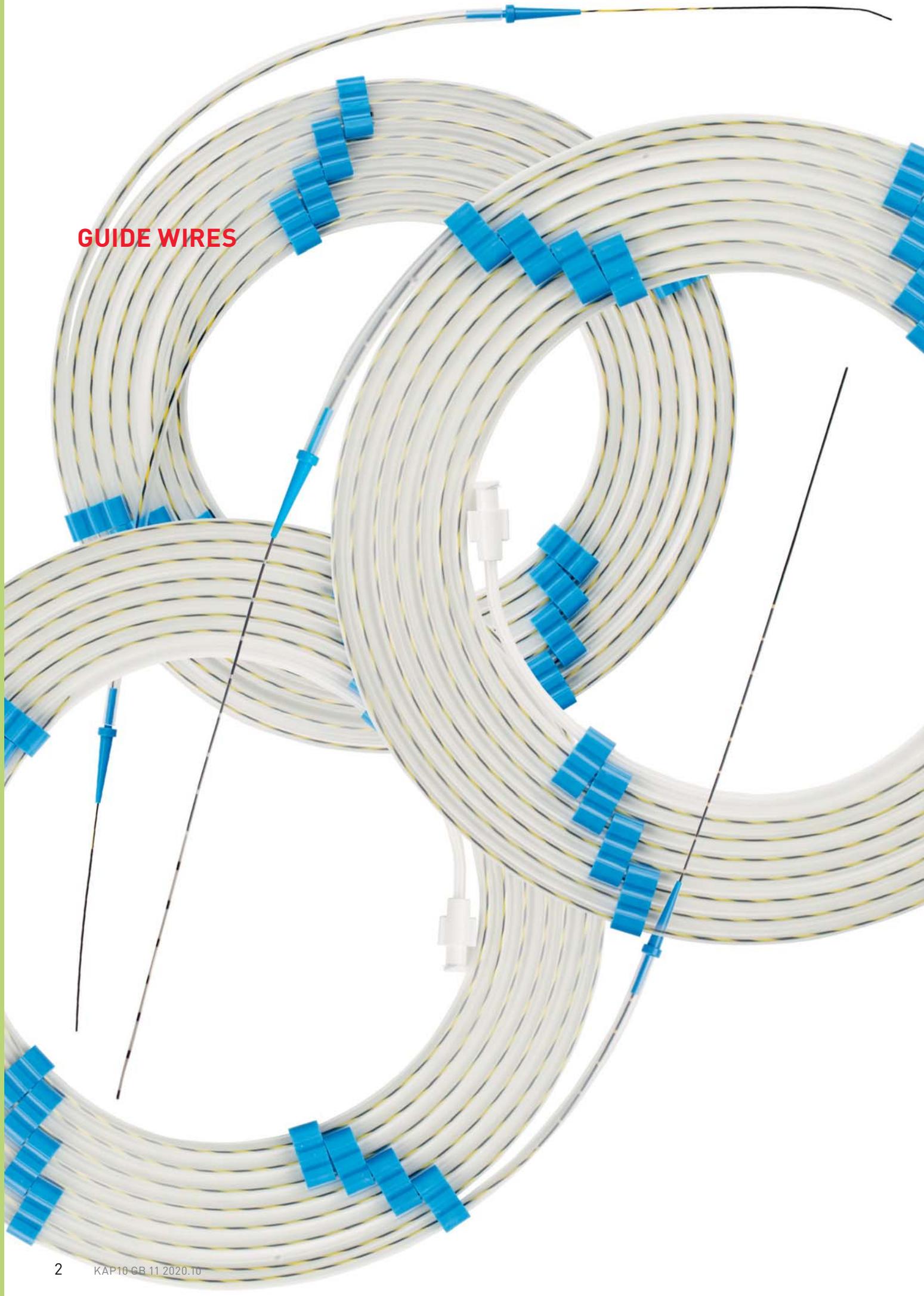
— Suitable for bronchoscopy, 120 cm



— Extra long

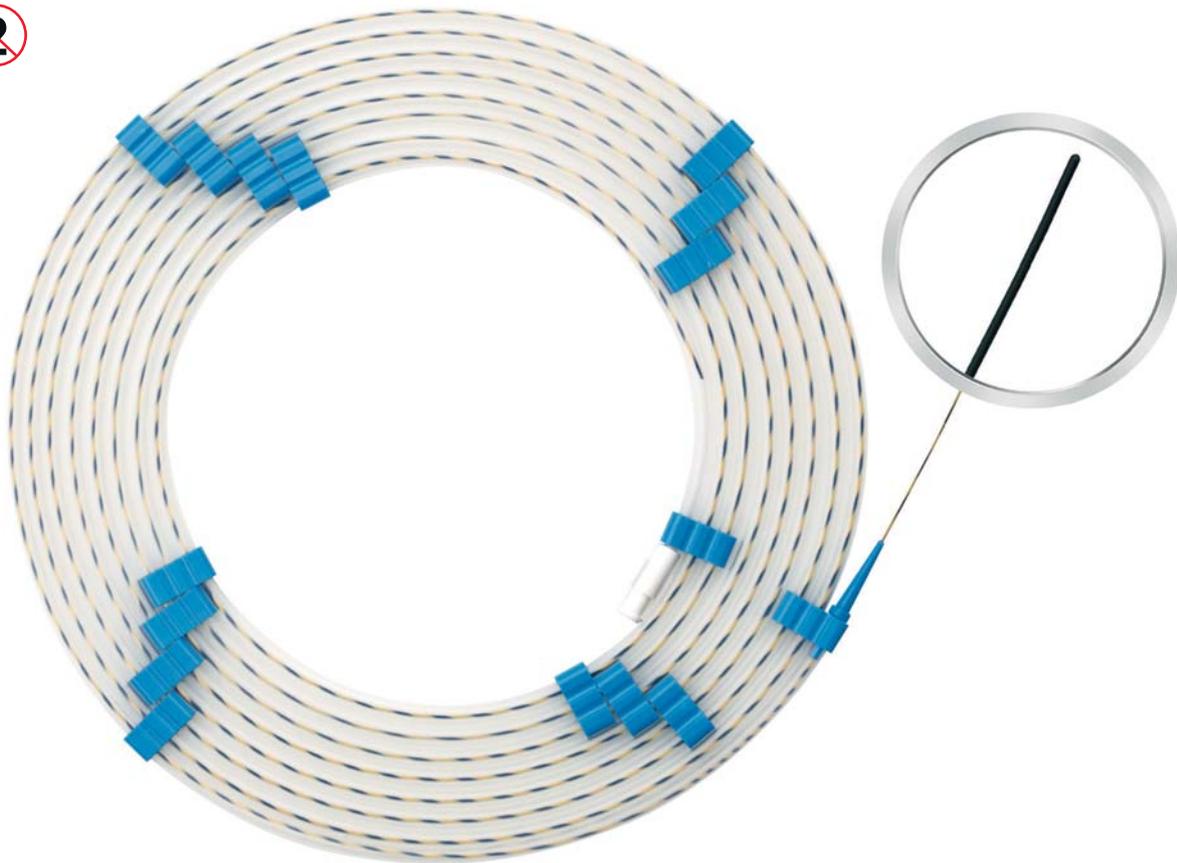
We reserve the right to make technical changes and to deviate from the depicted images.

GUIDE WIRES



GUIDE WIRES "SNAP-TIP"

kink-resistant, Nitinol



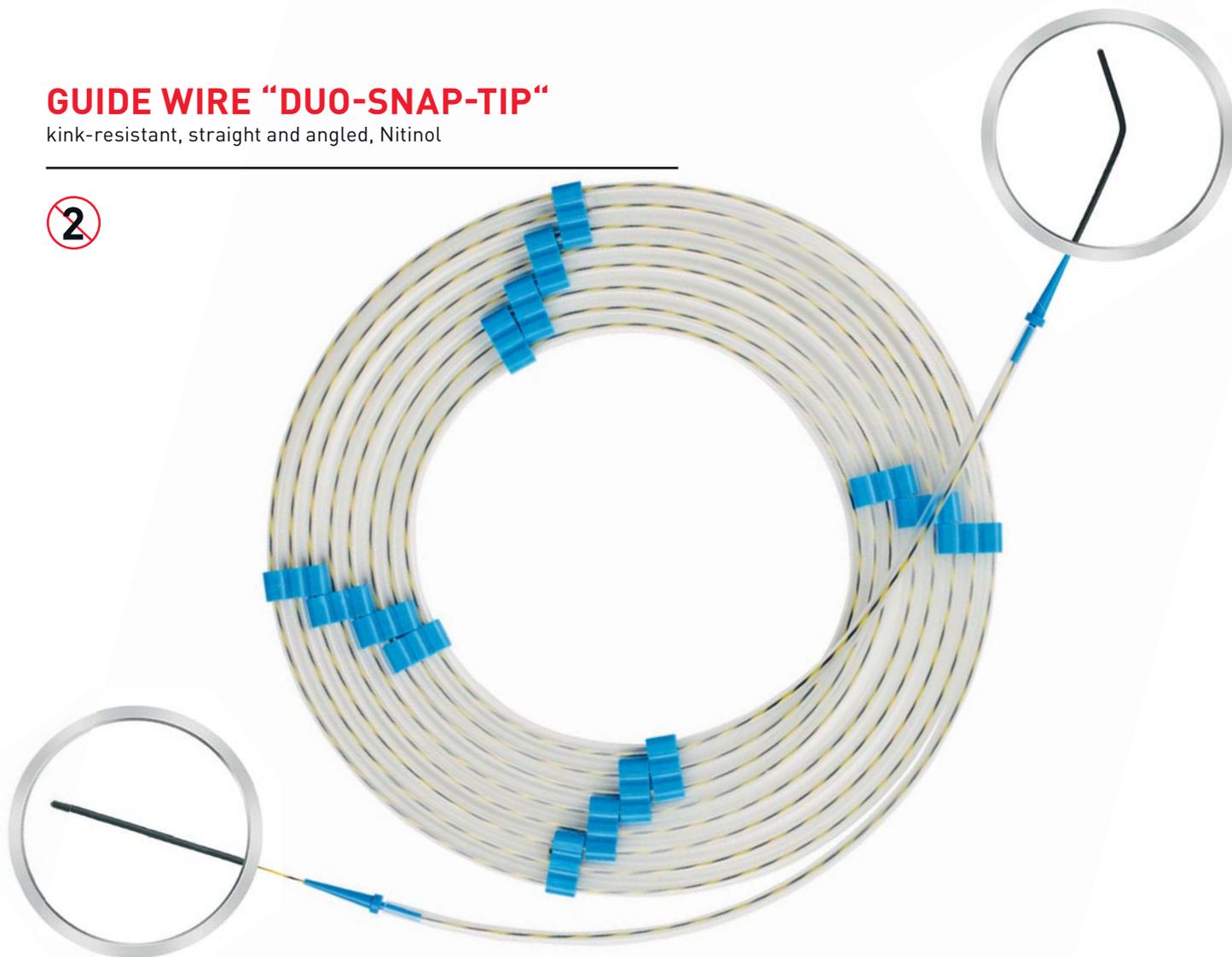
Article no.	Guide wire tip	Color version coiled	Diameter inch	Length cm
002926	straight, "Snap-Tip"	green-black	0.025	260
002926A	angled, "Snap-Tip"	green-black	0.025	260
002946	straight, "Snap-Tip"	green-black	0.025	460
002946A	angled, "Snap-Tip"	green-black	0.025	460
002955	straight, "Snap-Tip"	green-black	0.025	550
003901	angled, "Snap-Tip"	yellow-black	0.035	400
003926	straight, "Snap-Tip"	yellow-black	0.035	260
003926A	angled, "Snap-Tip"	yellow-black	0.035	260
003946	straight, "Snap-Tip"	yellow-black	0.035	460
003946A	angled, "Snap-Tip"	yellow-black	0.035	460
003955	straight, "Snap-Tip"	yellow-black	0.035	550

Figure shows article REF 003946

GUIDE WIRE "DUO-SNAP-TIP"

kink-resistant, straight and angled, Nitinol

2

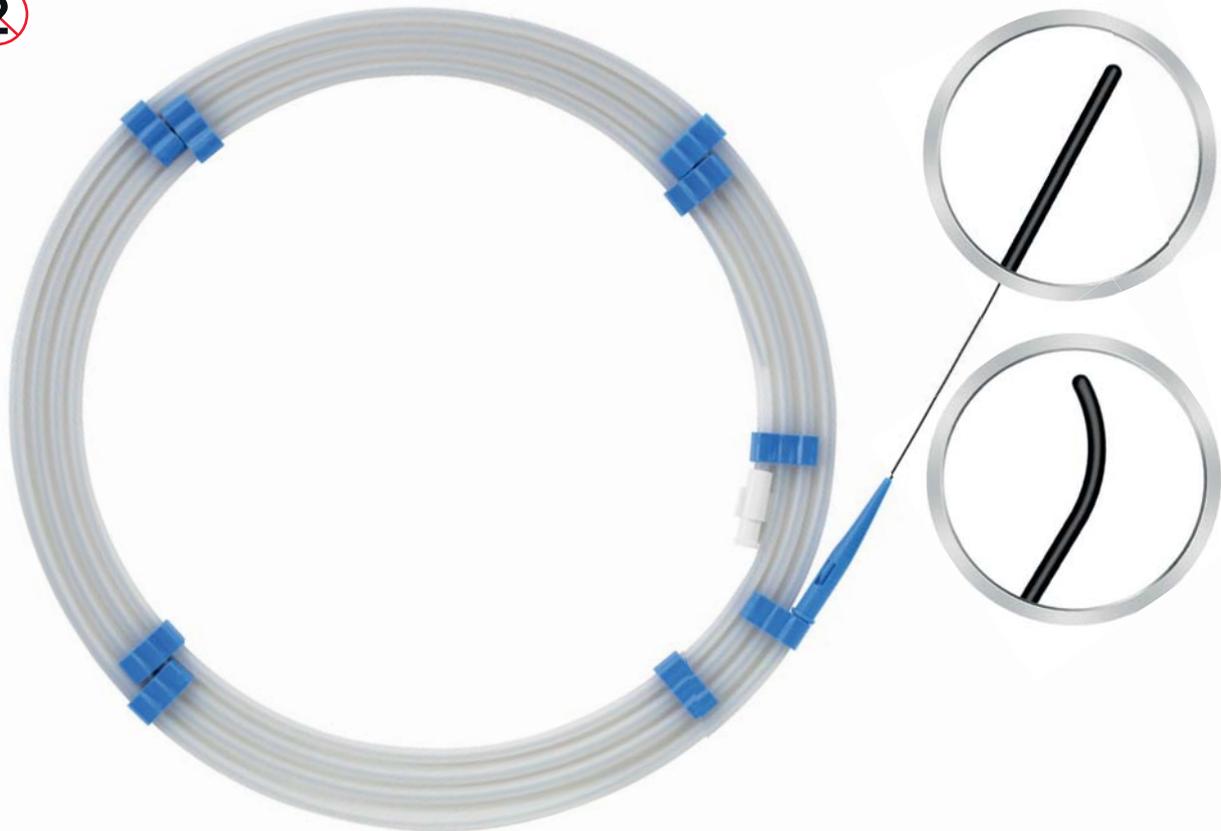


Article no.	Guide wire tip	Color version coiled	Diameter inch	Length cm
004346	1 x straight + 1 x angled, "Snap-Tip"	yellow-black	0.035	460

GUIDE WIRE "BLACK-TIP"

hydrophilic, straight and angled

2



Article no.	Guide wire tip	Features	Colour	Diameter inch	Length cm	PU
0035260	straight	fully radiopaque	black	0.035	260	5
0035460	straight	fully radiopaque	black	0.035	460	5
0035261	angled	fully radiopaque	black	0.035	260	5
0035461	angled	fully radiopaque	black	0.035	460	5

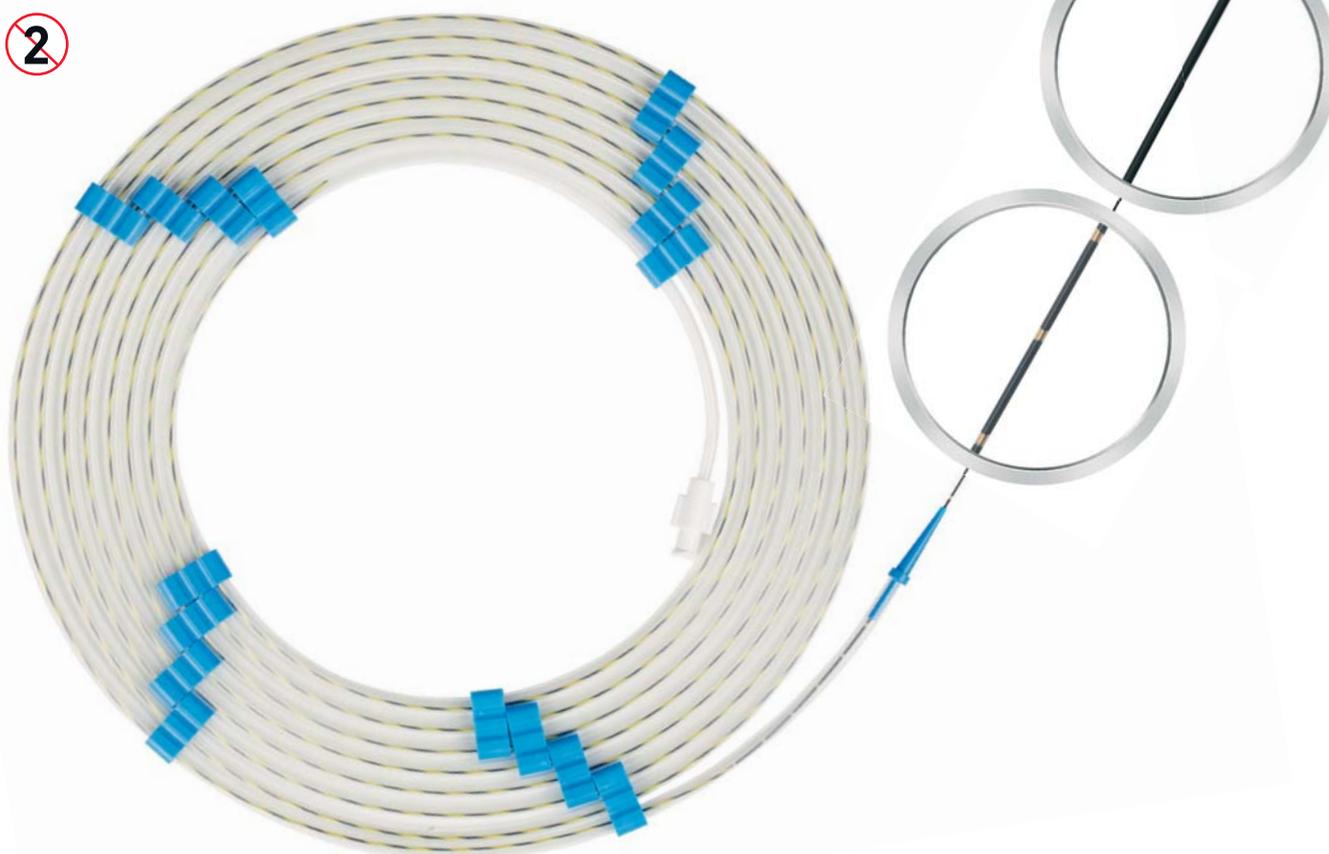


The Torquer is included in the delivery!

GUIDE WIRE "GOLD-STAR" WITH "SNAP-TIP"

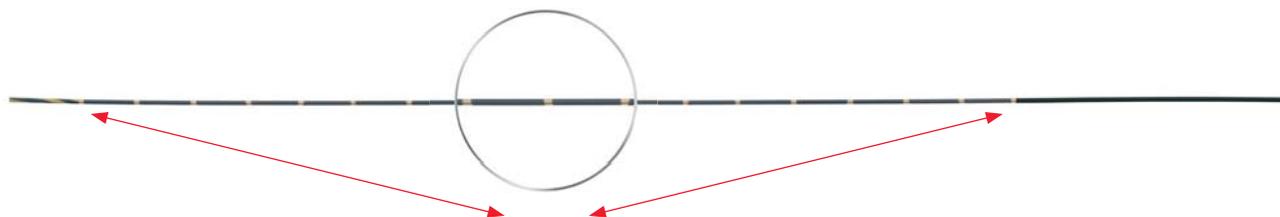
kink-resistant, Nitinol

2



Article no.	Guide wire tip	Color version coiled	Diameter inch	Length cm
004046	straight "Snap-Tip"	yellow-black	0.035	460

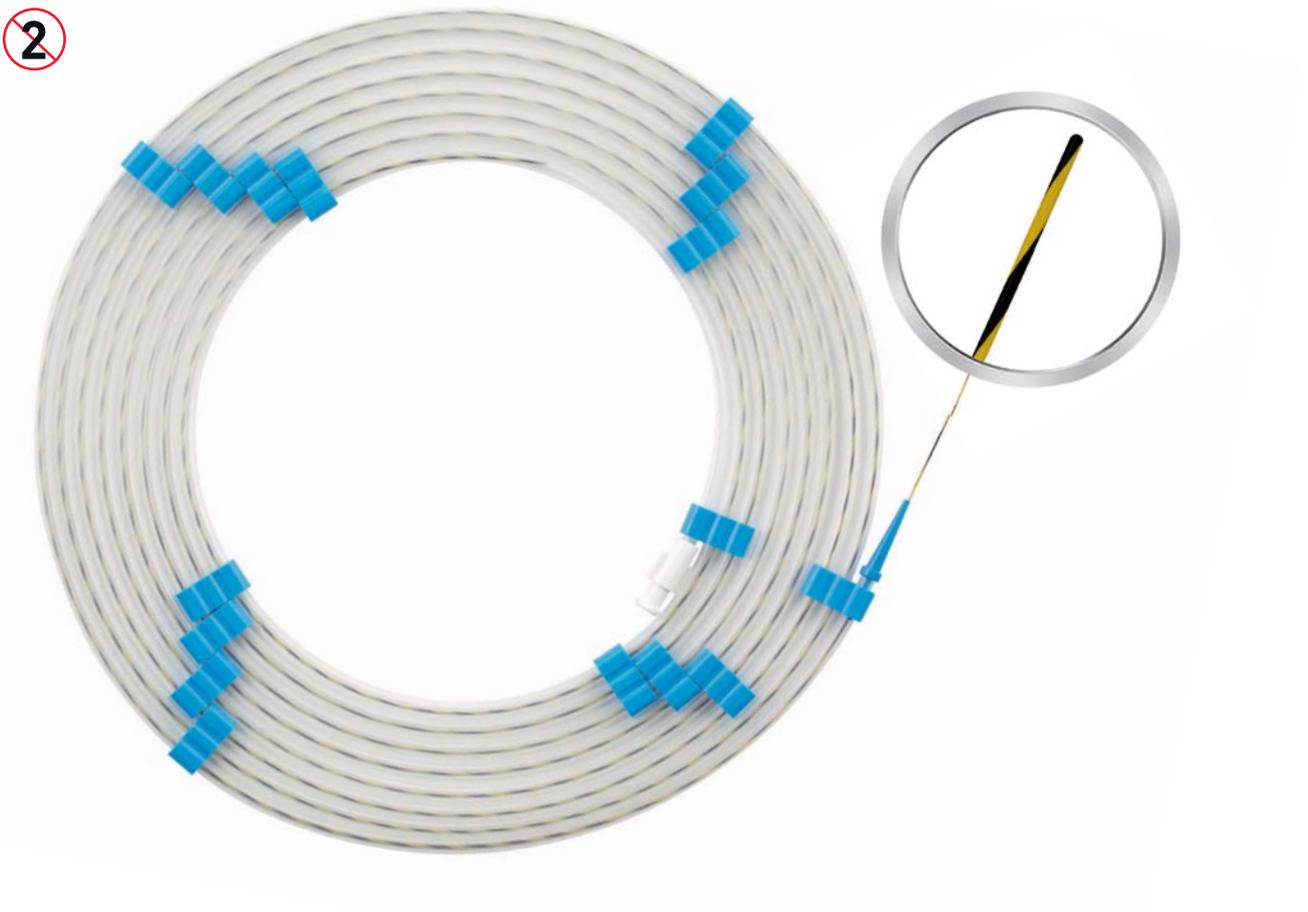
The guide wire is equipped with 18 visible endoscopic and X-ray gold marks



18 visible endoscopic and X-ray gold rings

GUIDE WIRES, NITINOL

kink-resistant, 50 mm flexible platinum tip



Article no.	Guide wire tip	Color version coiled	Diameter inch	Length cm
002246	straight platinum tip	green-black	0.025	460
003246	straight platinum tip	yellow-black	0.035	460

Figure shows article REF 003246

GUIDE WIRE

with flexible tip for esophageal bougie

2

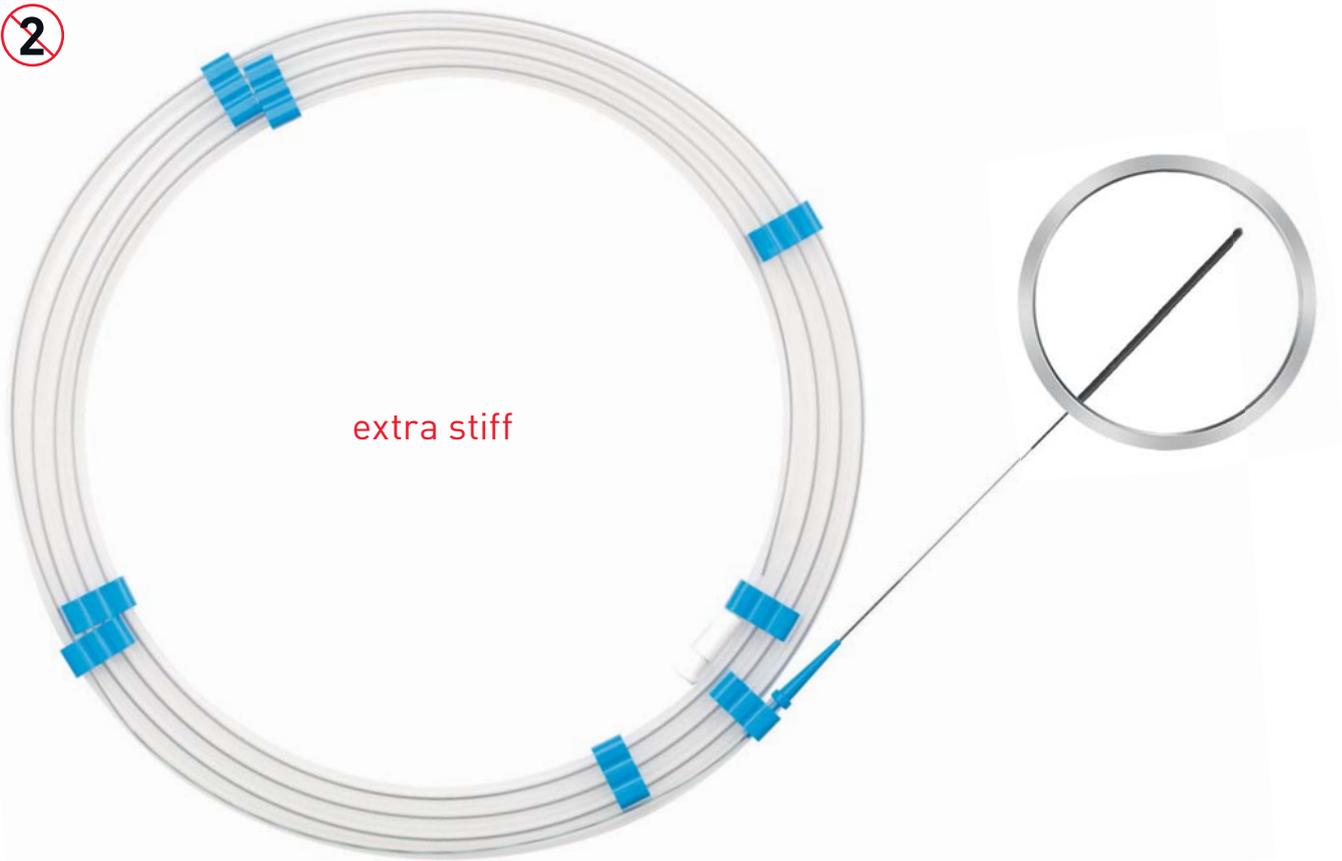


Article no.	Guide wire tip	Diameter inch	Length cm
0088215	stainless steel spring	0.079 / 0.035	215
0088350	stainless steel spring	0.079 / 0.035	350

GUIDE WIRE

with flexible tip, for esophageal bougies and self-expanding esophageal stents

2



Article no.	Guide wire tip	Diameter inch	Length cm
004126	Nitinol	0.035	260



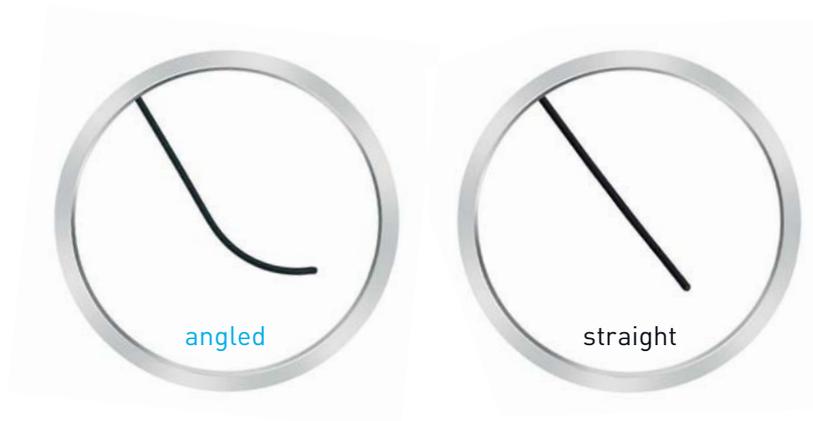
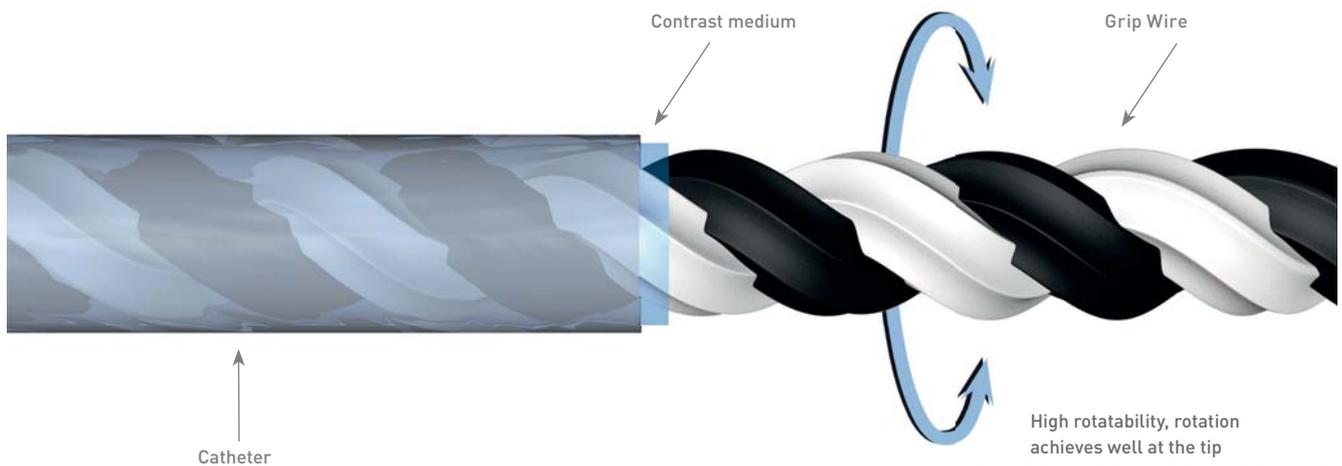
Guide Wire **Grip-Wire**

straight or angled in
460 cm and 260 cm



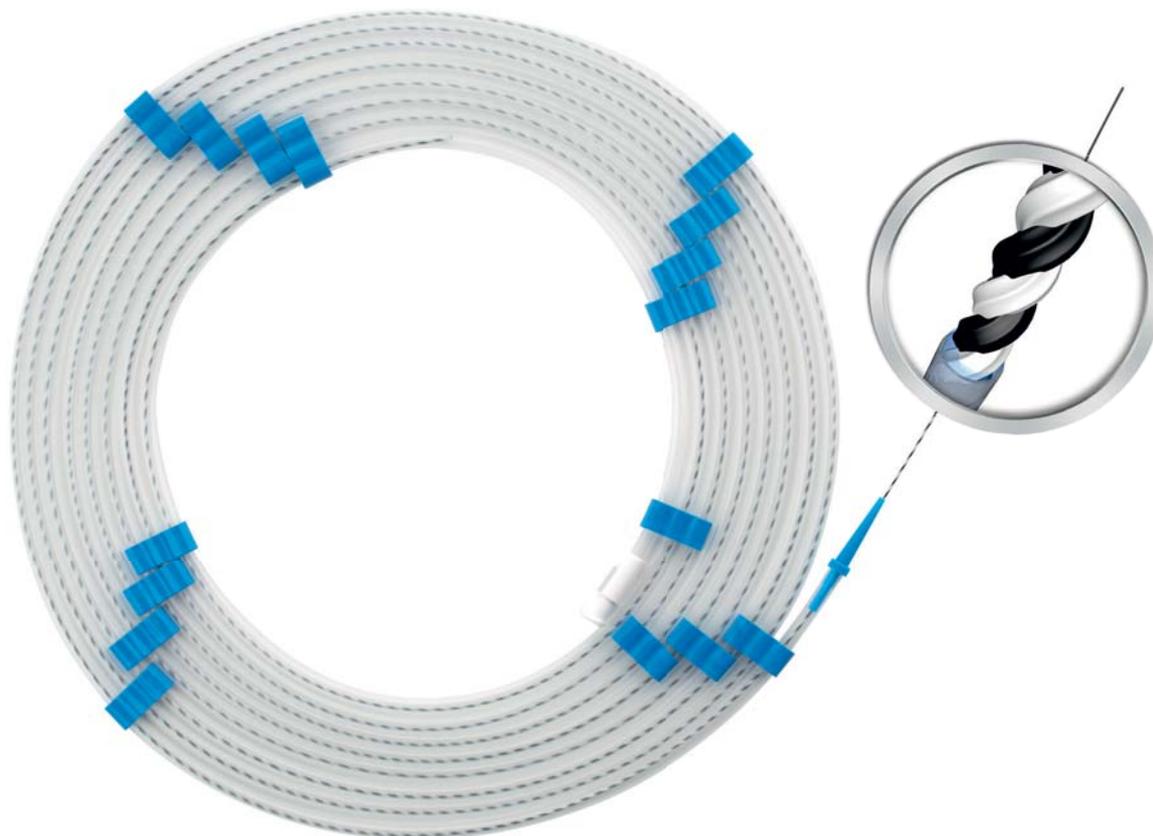
Guide Wire Grip-Wire

- Excellent grip (perfect control)
- Significantly better control of feed rate by “ripples” and high inner stiffness
- High rotatability, rotation achieves well at the tip
- High flexible “Snap-tip”
- According to the users better stiffness of the wire, with more control in the direction of feed
- High and clearly visibility in the x-ray
- Runs very easily through low contact finish of the spiral surface
- Very good contrast medium transport



GUIDE WIRE GRIP-WIRE

2



Article-No.	Guide wire tip	Colour design coiled	Diameter inch	Length cm	PU
004426	straight	black / white	0.035	260	1
004426A	angled	black / white	0.035	260	1
004446	straight	black / white	0.035	460	1
004446A	angled	black / white	0.035	460	1

MTW[®]

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