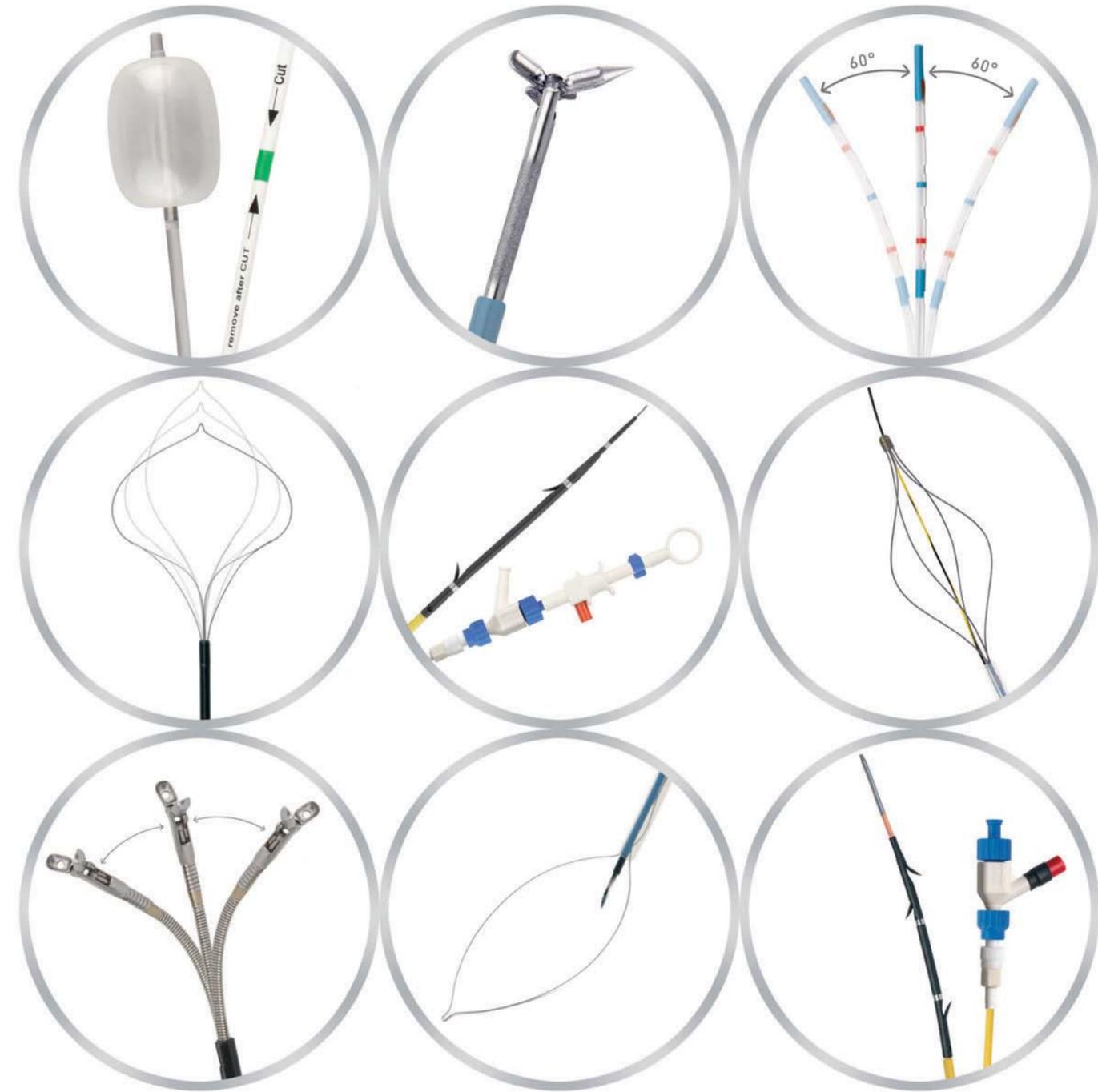


THE CATALOG



НОВАМЕДИЧНАГРУПА
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ERCP-CATHETERS

PAPILLOTOMES

BASKETS

STENTS

POLYPECTOMY SNARES

BIOPSY FORCEPS

FOREIGN BODY REMOVING FORCEPS

BRUSHES

INJECTION NEEDLES

GUIDE WIRES

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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

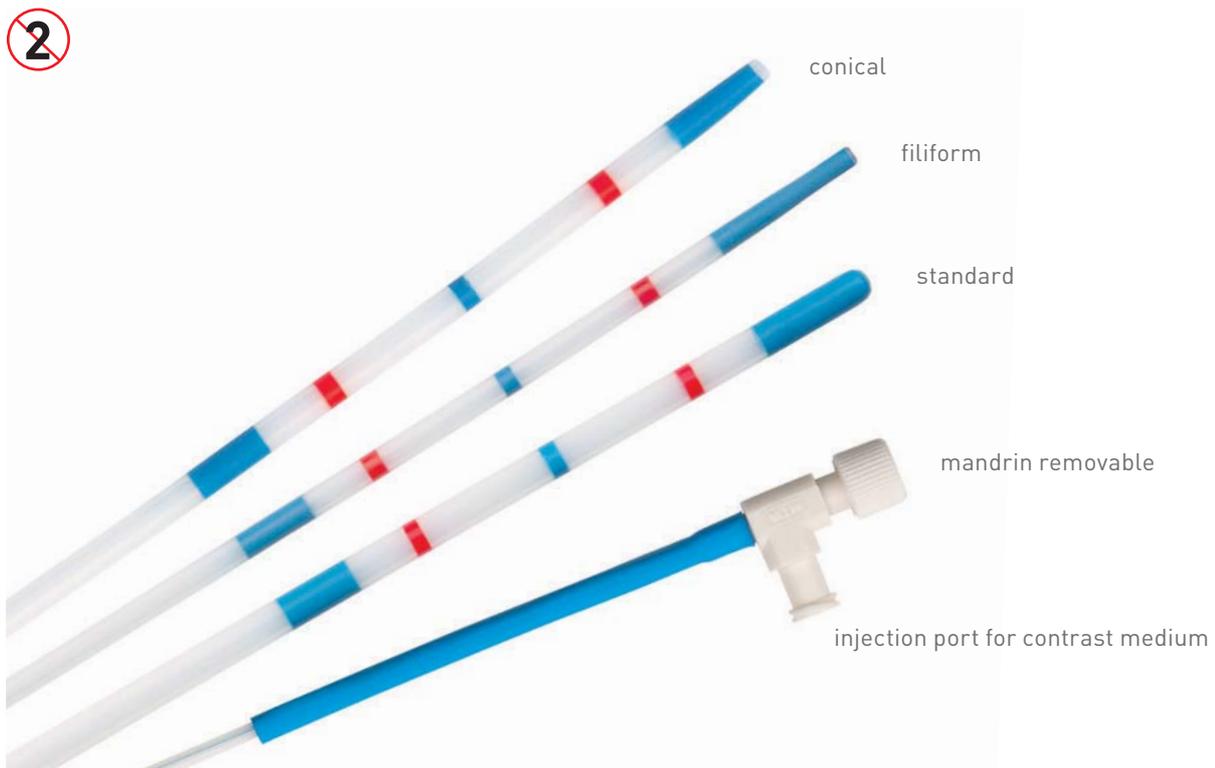
We reserve the right to make technical changes and to deviate from the depicted images.

ERCP-CATHETERS



ERCP-CATHETERS

partly with inside radiopaque metal ring, Luer lock connection, mandrin removable



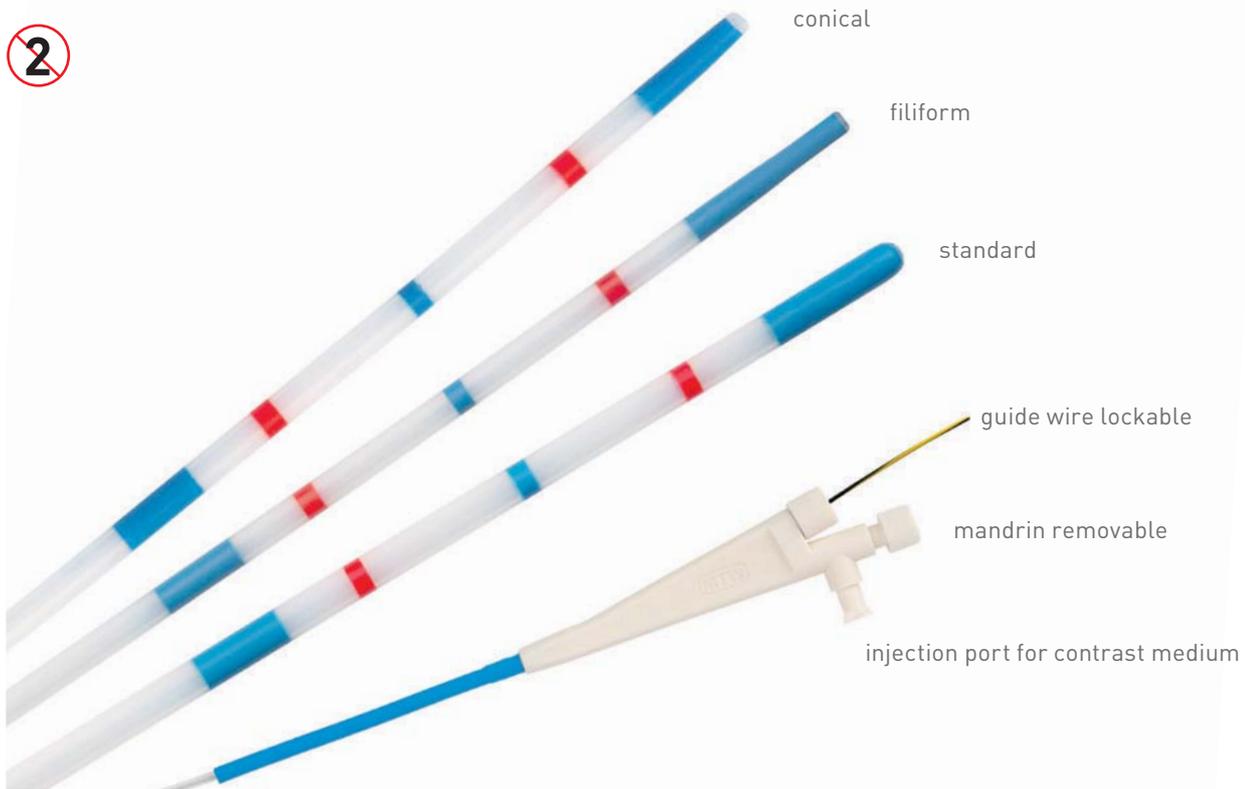
Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
99 01 30 10 0	standard	1,8	215	0.035
99 13 01 30 11 0	standard / with inside metal ring	1,8	250	0.035
99 01 30 20 0	filiform	1,8	215	0.035
99 13 01 30 70 0	conical	1,8	250	0.035
99 01 01 11 0	thin metal cannula: ø 0,7 mm	1,6	215	---

Figure shows article REF 99 01 30 10 0, 99 13 01 30 11 0, 99 01 30 20 0, 99 13 01 30 70 0

ERCP-CATHETERS

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

2



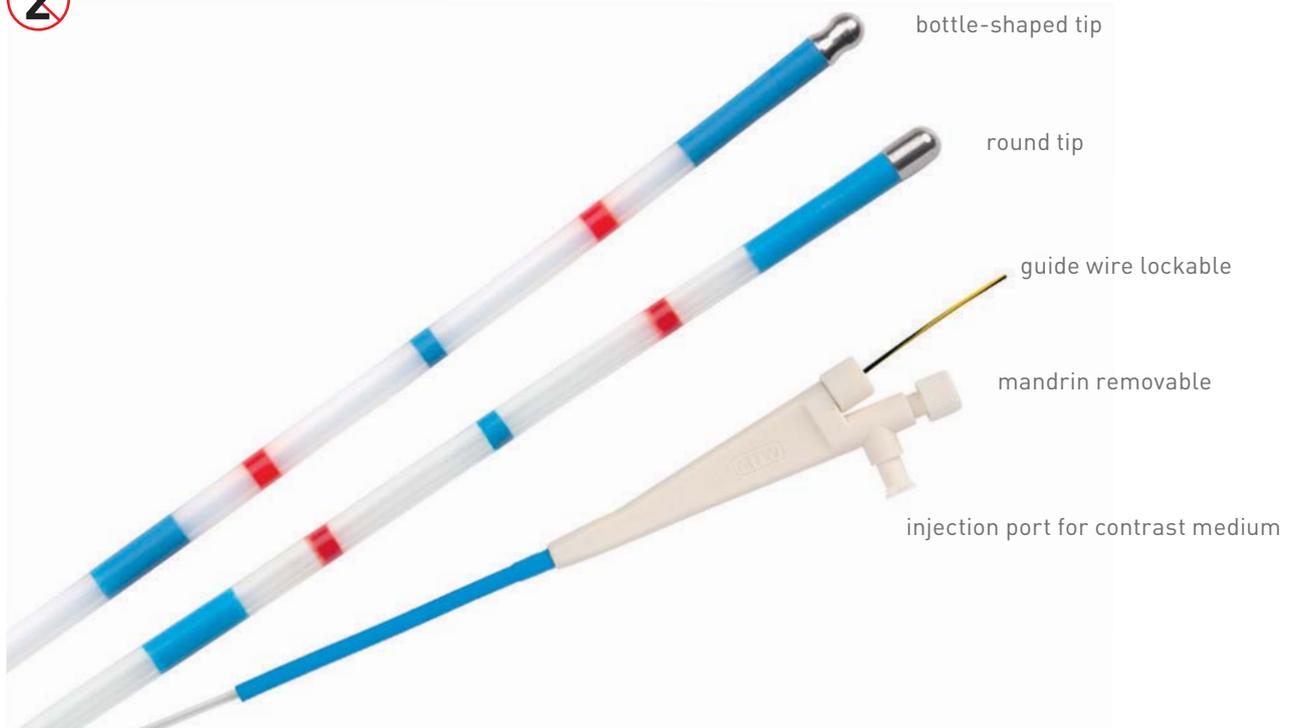
Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
99 01 10 71 2	conical / with inside metal ring	1,6	215	0.018
99 01 20 10 2	standard	2,3 > 1,6	215	0.025
99 01 20 11 2	standard / with inside metal ring	2,3 > 1,6	215	0.025
99 01 30 10 2	standard	2,3 > 1,8	215	0.035
99 01 30 11 2	standard / with inside metal ring	2,3 > 1,8	215	0.035
99 01 20 20 2	filiform	2,3 > 1,6	215	0.025
99 01 20 21 2	filiform / with inside metal ring	2,3 > 1,6	215	0.025
99 01 30 20 2	filiform	2,3 > 1,8	215	0.035
99 01 30 21 2	filiform / with inside metal ring	2,3 > 1,8	215	0.035

Figure shows article REF 99 01 10 71 2, 99 01 20 10 2, 99 01 30 20 2

ERCP-CATHETERS

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

2

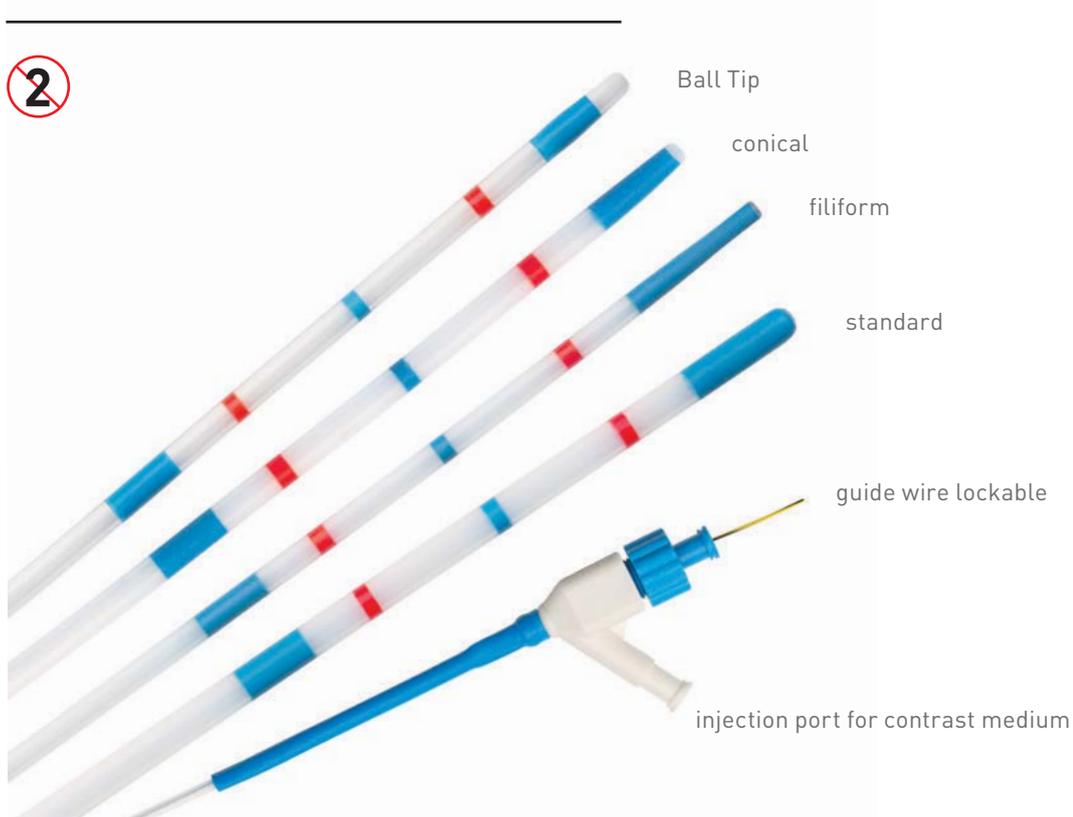


Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
99 01 20 31 2	round metal tip	2,3 > 1,6	215	0.025
99 01 30 31 2	round metal tip	2,3 > 1,8	215	0.035
99 01 20 51 2	bottle-shaped metal tip	2,3 > 1,6	215	0.025
99 01 30 51 2	bottle-shaped metal tip	2,3 > 1,8	215	0.035

Figure shows article REF 99 01 30 31 2, 99 01 30 51 2

ERCP-CATHETERS

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

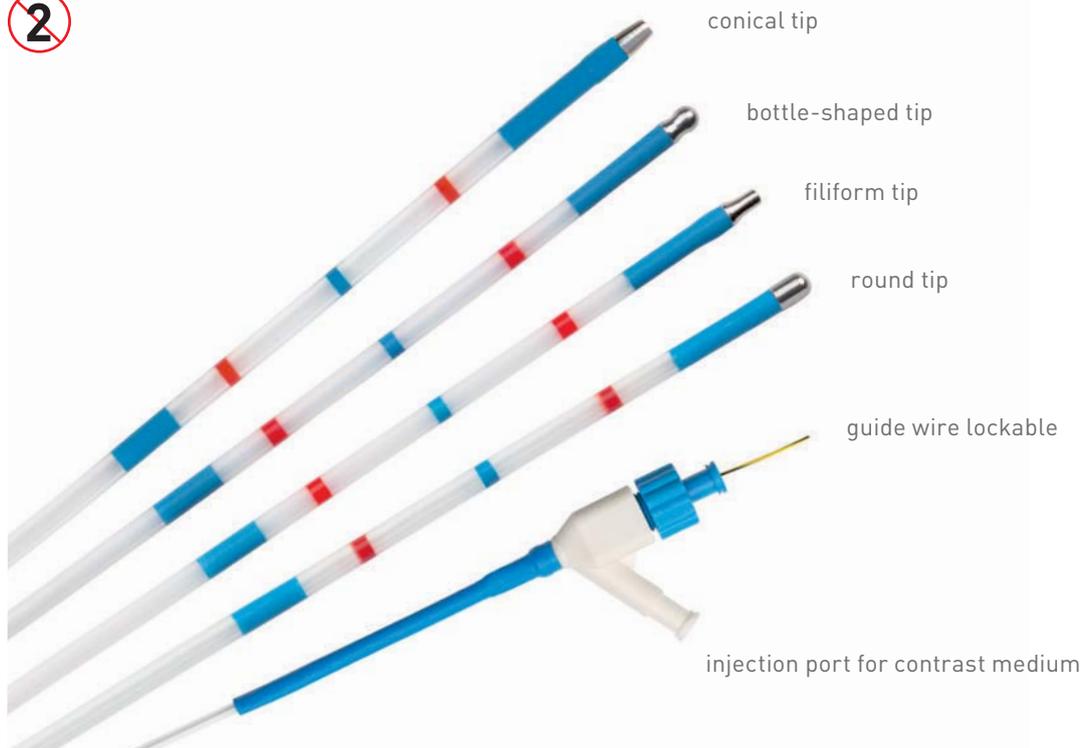


Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
99 01 20 10 1	standard	2,3 > 1,6	215	0.025
99 01 20 11 1	standard / with inside metal ring	2,3 > 1,6	215	0.025
99 01 20 21 1	filiform / with inside metal ring	2,3 > 1,6	215	0.025
99 13 01 20 21 1	filiform / with inside metal ring	2,3 > 1,6	250	0.025
99 01 30 10 1	standard	2,3 > 1,8	215	0.035
99 13 01 31 11 0	standard / with inside metal ring	2,3 > 1,8	250	0.035
99 01 31 11 1	standard / with inside metal ring	2,3 > 1,8	215	0.035
99 01 30 20 1	filiform	2,3 > 1,8	215	0.035
99 01 31 21 1	filiform / with inside metal ring	2,3 > 1,8	215	0.035
99 13 01 30 70 1	conical	2,3 > 1,8	250	0.035
99 01 30 71 1	"Ball Tip" / with inside metal ring	2,3 > 1,8	215	0.035

Figure shows article REF 99 01 31 11 1, 99 01 30 20 1, 99 13 01 30 70 1, 99 01 30 71 1

ERCP-CATHETERS

tapered, metal tip, guide wire lockable,
integrated mandrin

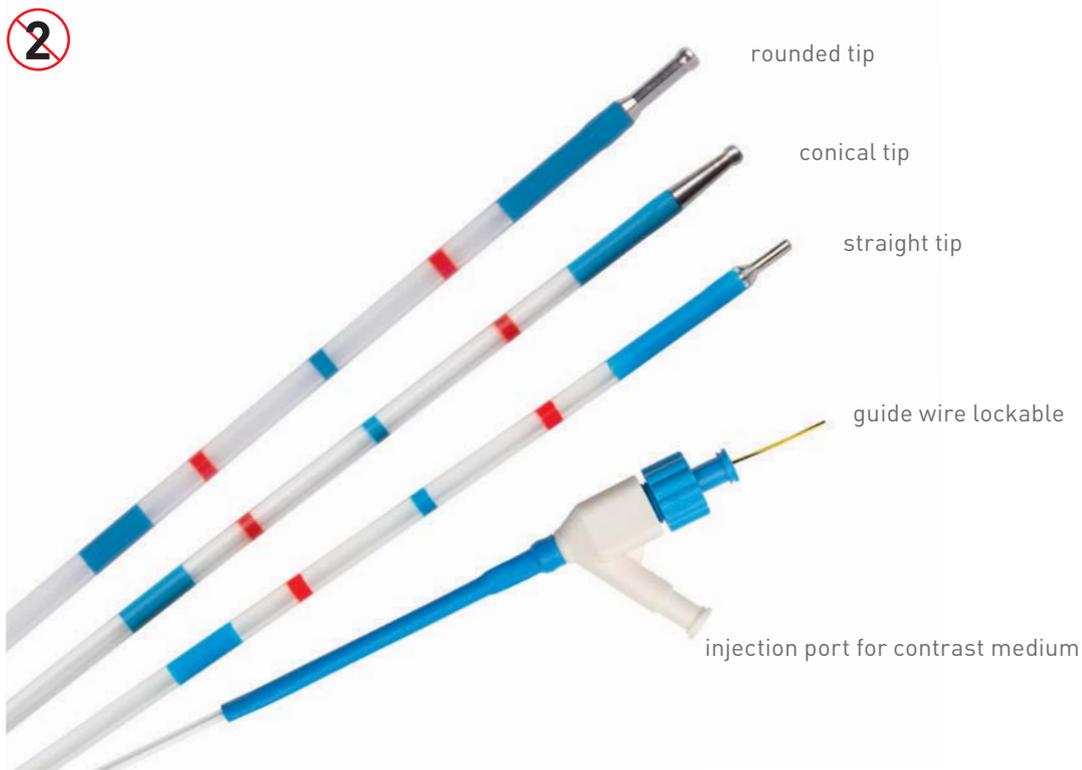


Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
99 01 20 31 1	round metal tip	2,3 > 1,6	215	0.025
99 01 30 31 1	round metal tip	2,3 > 1,8	215	0.035
99 01 30 41 1	filiform metal tip	2,3 > 1,8	215	0.035
99 01 20 51 1	bottle-shaped metal tip	2,3 > 1,6	215	0.025
99 01 30 51 1	bottle-shaped metal tip	2,3 > 1,8	215	0.035
99 01 30 61 1	conical metal tip	2,3 > 1,8	215	0.035

Figure shows article REF 99 01 20 31 1, 99 01 30 41 1, 99 01 30 51 1, 99 01 30 61 1

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
99 01 01 02 0	straight metal cannula / 0,7	2,3 > 1,6	215	0.018
99 01 02 02 0	straight metal cannula / 1,0	2,3 > 1,6	215	0.025
99 01 03 02 0	straight metal cannula / 1,3	2,3 > 1,8	215	0.035
99 01 01 12 0	rounded metal cannula / 1,0	2,3 > 1,6	215	0.018
99 01 02 12 0	rounded metal cannula / 1,3	2,3 > 1,6	215	0.025
99 01 03 12 0	rounded metal cannula / 1,6	2,3 > 1,8	215	0.035
99 01 01 22 0	conical metal cannula / 1,0	2,3 > 1,6	215	0.018
99 01 02 22 0	conical metal cannula / 1,3	2,3 > 1,6	215	0.025
99 01 03 22 0	conical metal cannula / 1,6	2,3 > 1,8	215	0.035

Figure shows article REF 99 01 02 02 0, 99 01 02 12 0, 99 01 03 22 0



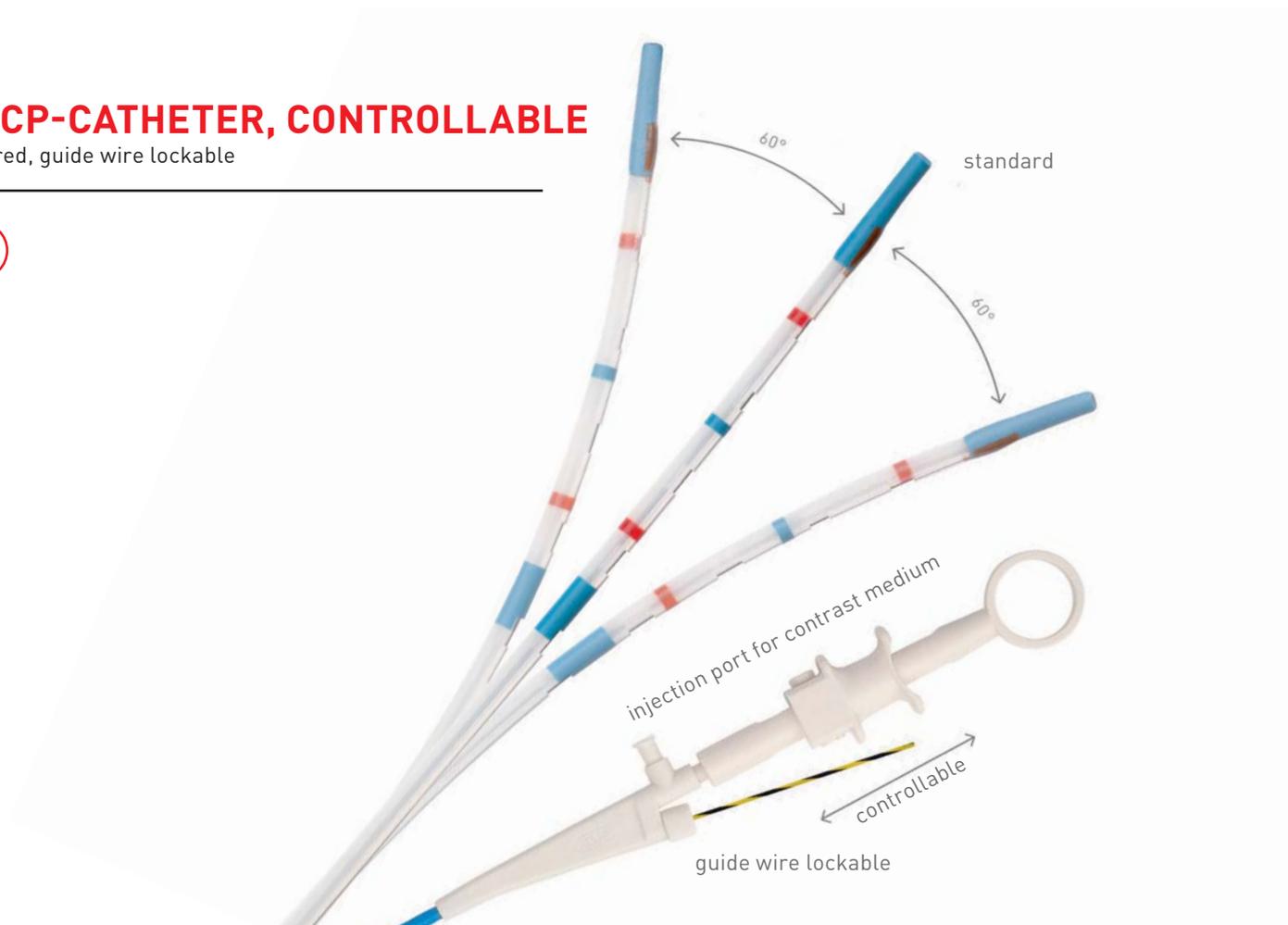
ERCP-CATHETER
controllable



ERCP-CATHETER, CONTROLLABLE

tapered, guide wire lockable

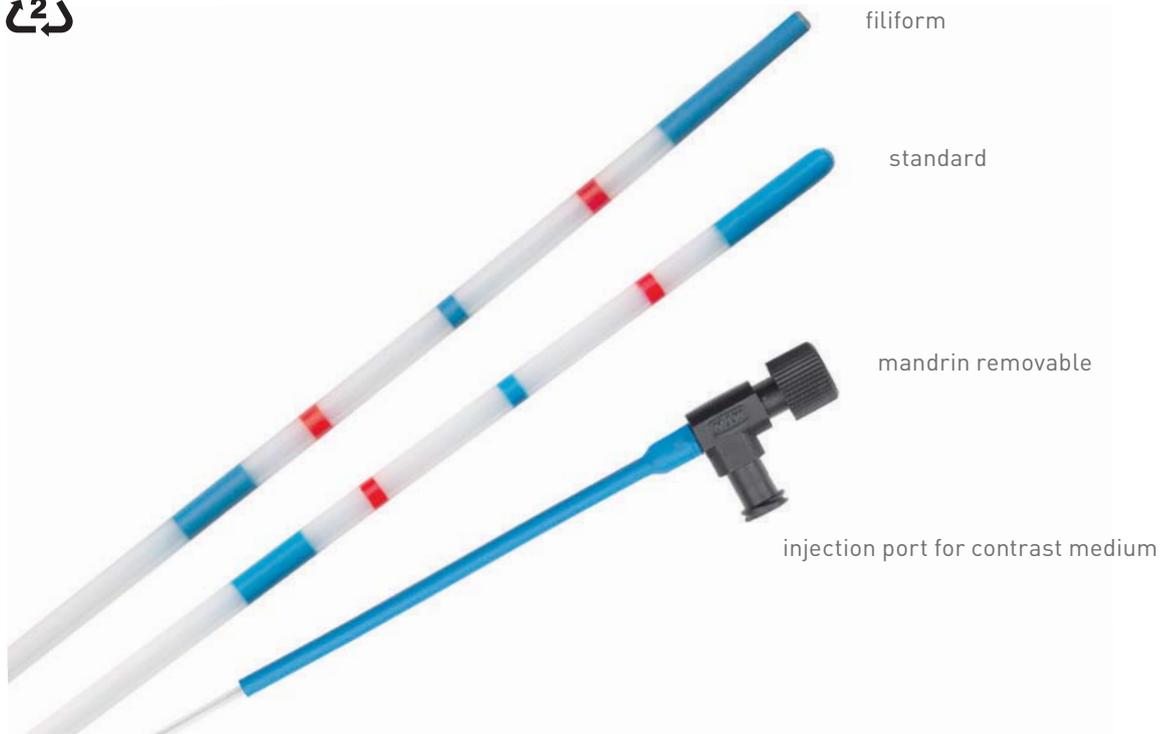
2



Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
99 01 37 10 1	standard, with inside platinum ring	2,6 > 1,8	200	0.035

ERCP-CATHETERS

partly with inside radiopaque metal ring, Luer lock connection, mandrin removable

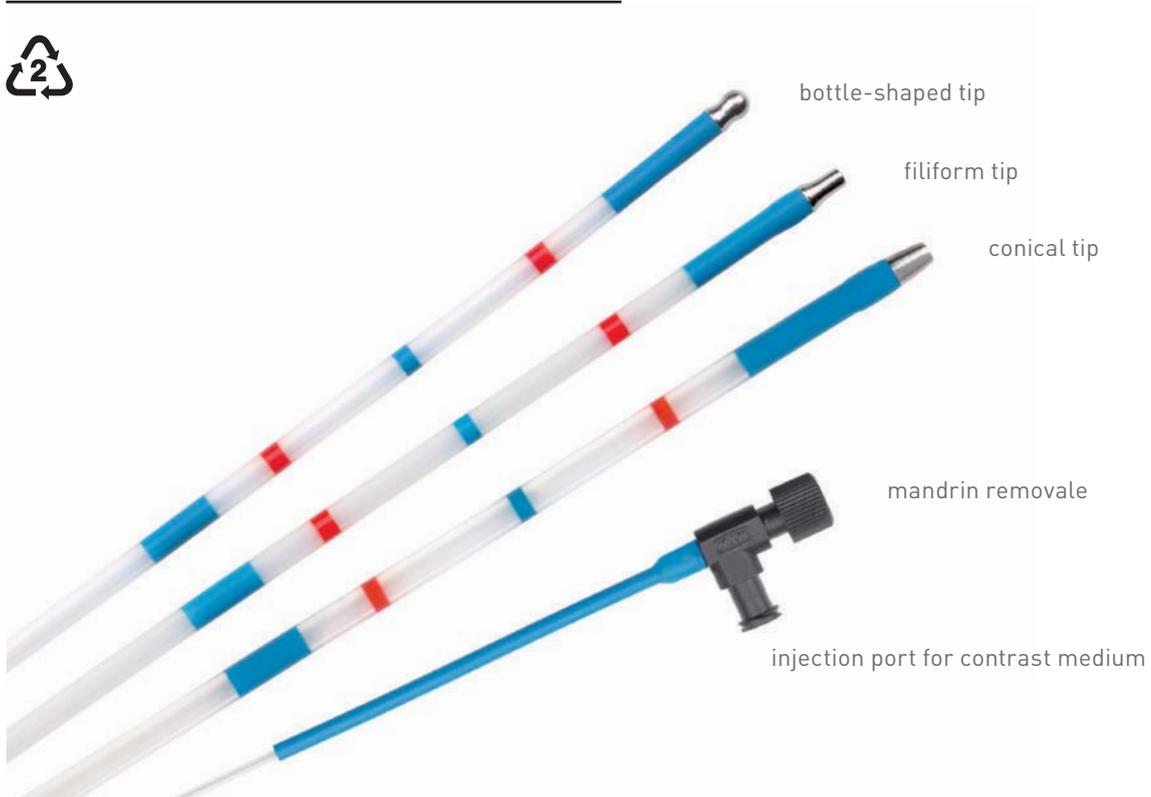


Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
01 20 10 0	standard	1,6	215	0.025
01 20 20 0	filiform	1,6	215	0.025
01 30 20 0	filiform	1,8	215	0.035
01 20 21 0	filiform / with inside metal ring	1,6	215	0.025

Figure shows article REF 01 20 10 0, 01 30 20 0

ERCP-CATHETERS

metal tip, Luer lock connection, mandrin removable



Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
01 20 41 0	filiform metal tip	1,6	215	0.025
01 20 51 0	bottle-shaped metal tip	1,6	215	0.025
01 20 61 0	conical metal tip	1,6	215	0.025

Figure shows article REF 01 20 41 0, 01 20 51 0, 01 20 61 0

ERCP-CATHETERS

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

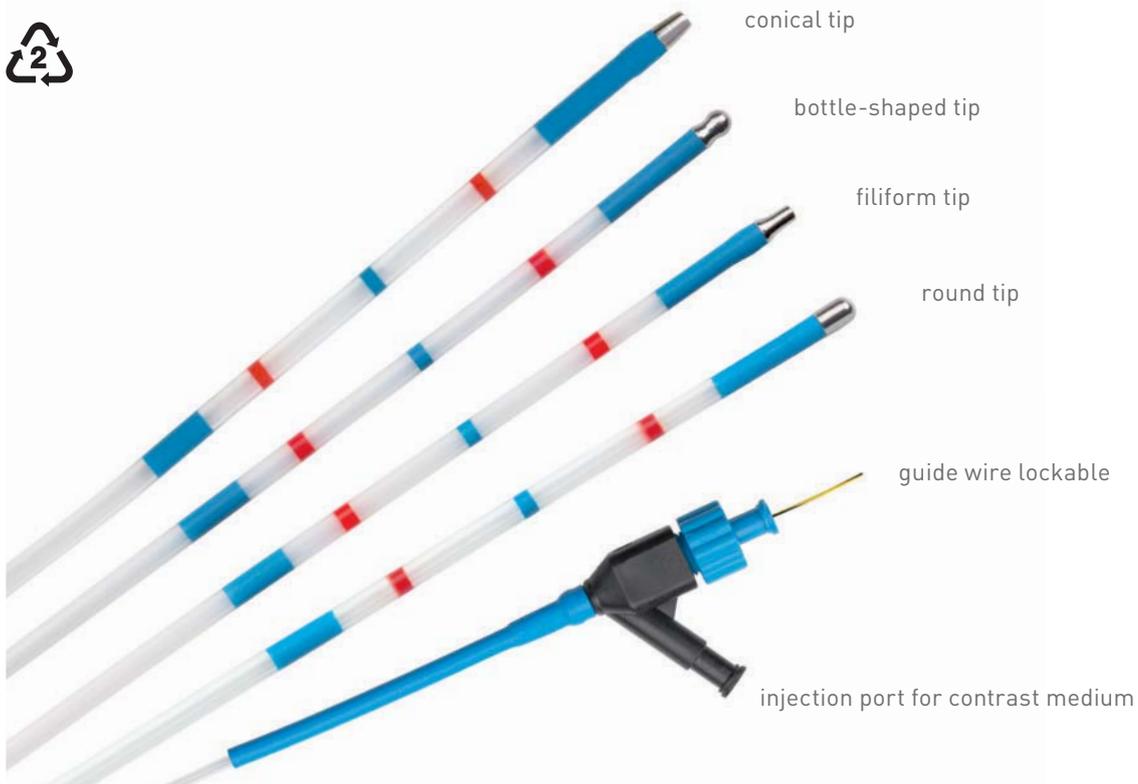


Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
01 21 11 0	standard / with inside metal ring	2,3 > 1,6	215	0.035
01 30 10 1	standard	2,3 > 1,8	215	0.035
01 31 11 0	standard / with inside metal ring	2,3 > 1,8	215	0.035
01 20 20 1	filiform	2,3 > 1,6	215	0.025
01 20 21 1	filiform / with inside metal ring	2,3 > 1,6	215	0.025
01 30 20 1	filiform	2,3 > 1,8	215	0.035
01 30 21 1	filiform / with inside metal ring	2,3 > 1,8	215	0.035

Figure shows article REF 01 20 20 1, 01 30 10 1

ERCP-CATHETERS

tapered, with metal tip, guide wire lockable, integrated mandrin



Article no.	Catheter tip	Diameter mm	Length cm	For guide wire inch
01 20 31 1	round metal tip	2,3 > 1,6	215	0.025
01 30 31 1	round metal tip	2,3 > 1,8	215	0.035
01 20 41 1	filiform metal tip	2,3 > 1,6	215	0.025
01 30 41 1	filiform metal tip	2,3 > 1,8	215	0.035
01 20 51 1	bottle-shaped metal tip	2,3 > 1,6	215	0.025
01 30 51 1	bottle-shaped metal tip	2,3 > 1,8	215	0.035
01 20 61 1	conical metal tip	2,3 > 1,6	215	0.025
01 30 61 1	conical metal tip	2,3 > 1,8	215	0.035

Figure shows article REF 01 30 31 1, 01 30 41 1, 01 30 51 1, 01 30 61 1

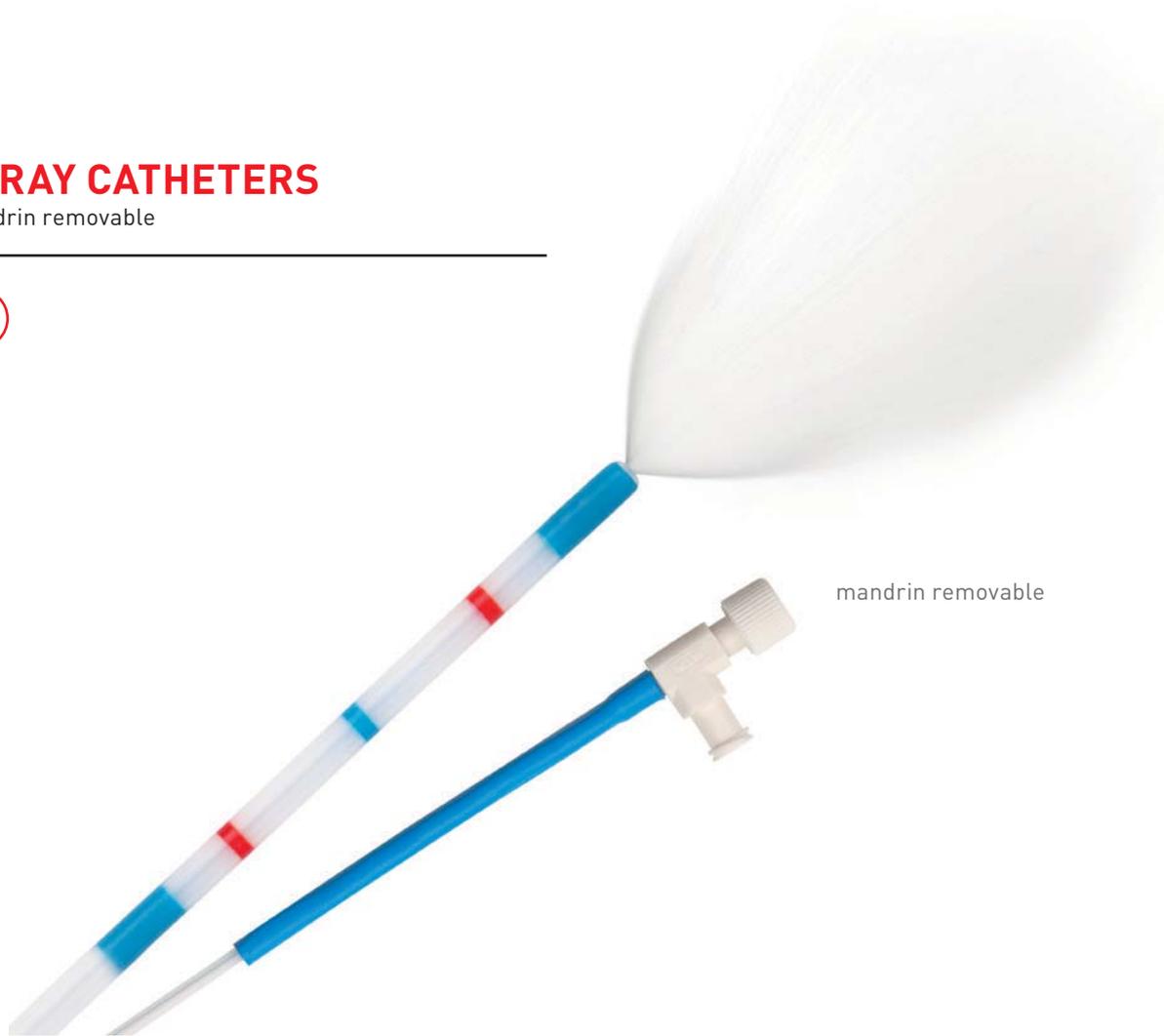
SPRAY CATHETERS AND WASH-OUT PROBES



SPRAY CATHETERS

mandrin removable

2

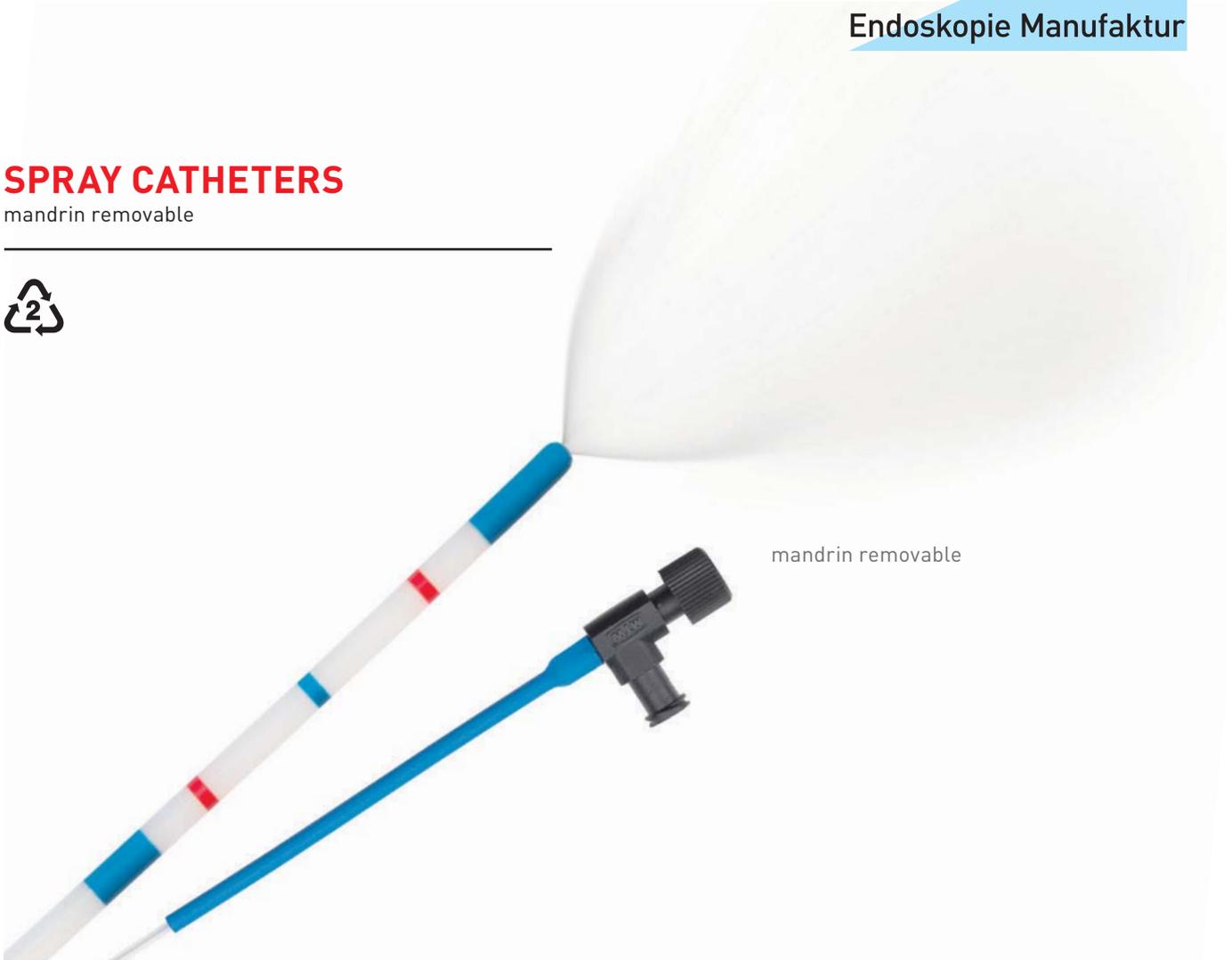


Article no.	Diameter mm	Length cm	
99 11 01 01 21 0	1,8	120	
99 13 01 01 21 0	1,8	250	
99 01 01 31 0	2,3	215	
99 13 01 01 31 0	2,3	250	

Figure shows article REF 99 01 01 31 0

SPRAY CATHETERS

mandrin removable



mandrin removable

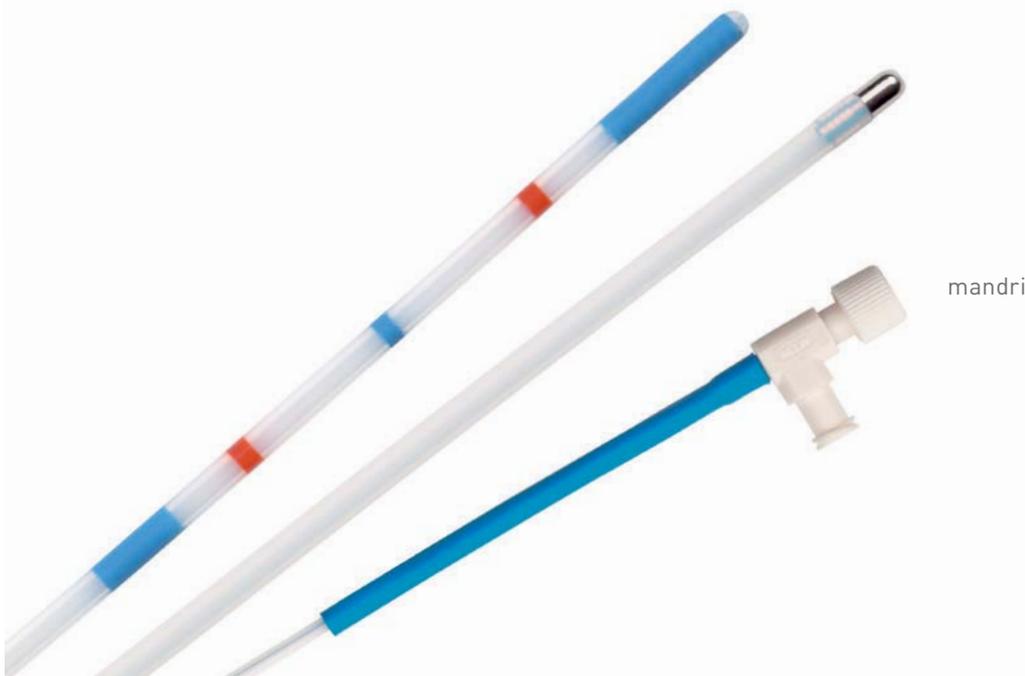
Article no.	Diameter mm	Length cm	
11 01 01 21 0	1,8	120	
01 01 31 0	2,3	215	

Figure shows article REF 01 01 31 0

WASH-OUT PROBES

mandrin removable

2



mandrin removable

Article no.	Catheter tip	Diameter mm	Length cm
99 11 20 00 21 0 *	without metal head, sheath without ring marking	1,8	120
99 11 01 20 10 0	without metal head, sheath with ring marking	1,6	120
99 11 21 00 21 0	without metal head, sheath with ring marking	1,8	120
99 11 01 30 90 0	without metal head, sheath with ring marking	2,3	120
99 01 31 21 0	with metal head, sheath without ring marking	2,3	230
99 11 21 01 21 0	with metal head, sheath with ring marking	1,8	120
99 11 31 01 21 0	with metal head, sheath with ring marking	2,3	120

Figure shows article REF 99 01 31 21 0, 99 11 01 30 90 0

* Wash-out nozzle without mandrin

WASH-OUT PROBE



Article no.	Catheter tip	Diameter mm	Length cm
11 01 20 10 0	without metal head, sheath with ring marking	1,6	120

PAPILLOTOMES CYSTOSTOME ESD-KNIVES

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



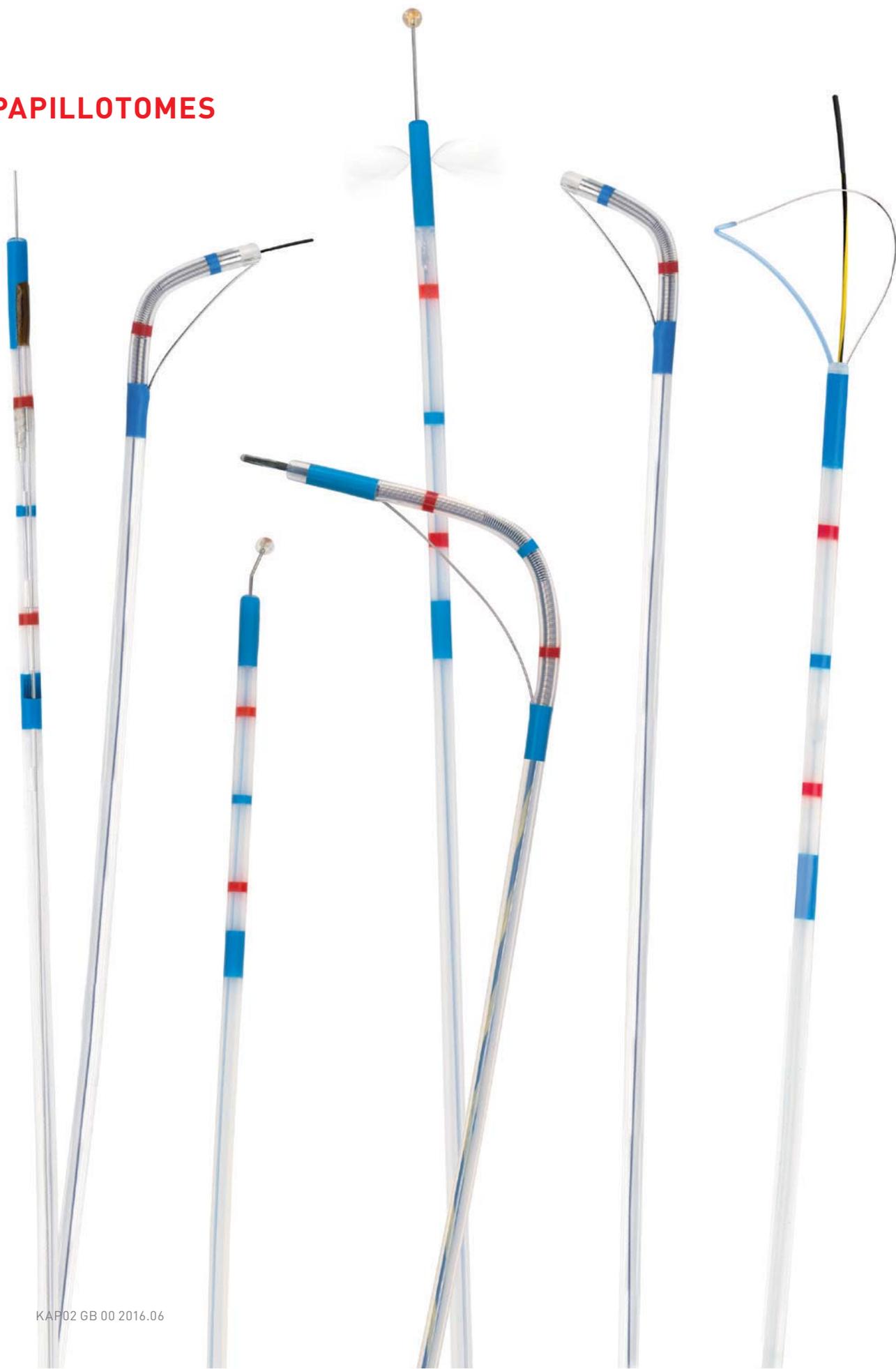
280 — Suitable for double- and single-balloon enteroscopy, 280 cm



120 — Suitable for bronchoscopy, 120 cm

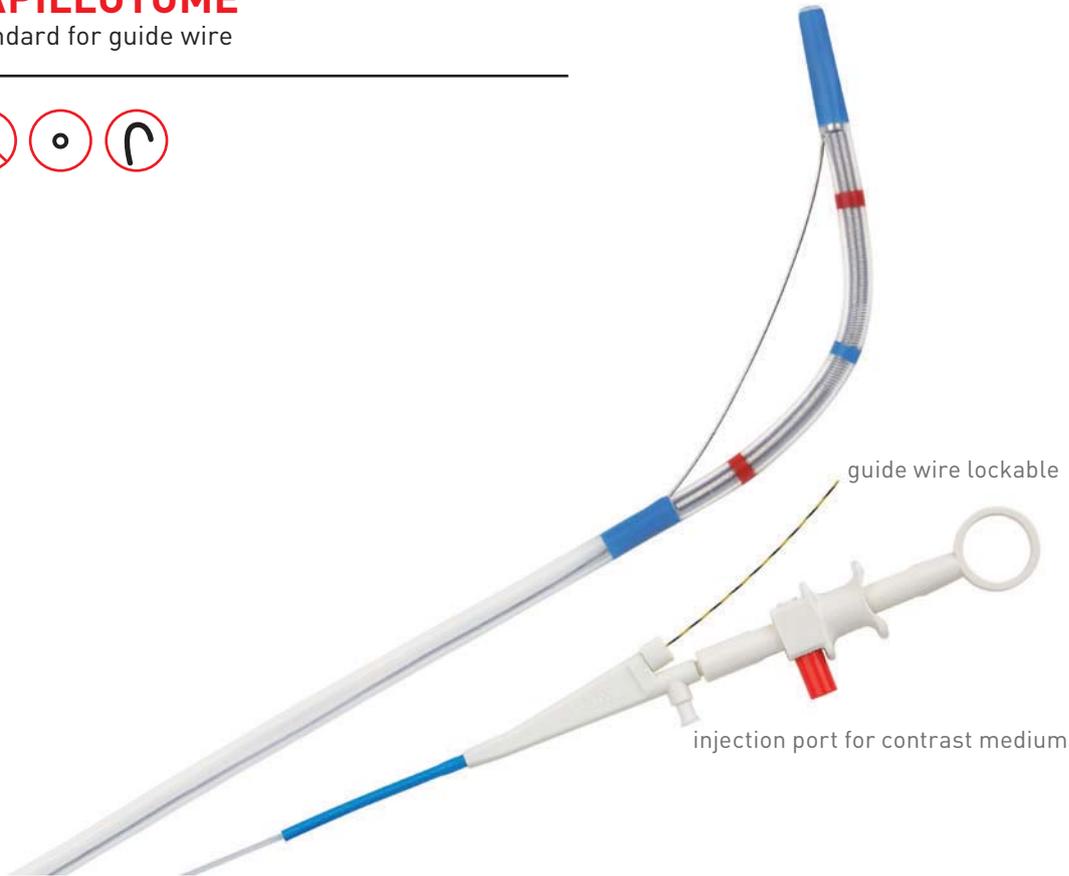
We reserve the right to make technical changes and to deviate from the depicted images.

PAPILLOTOMES



PAPILLOTOME

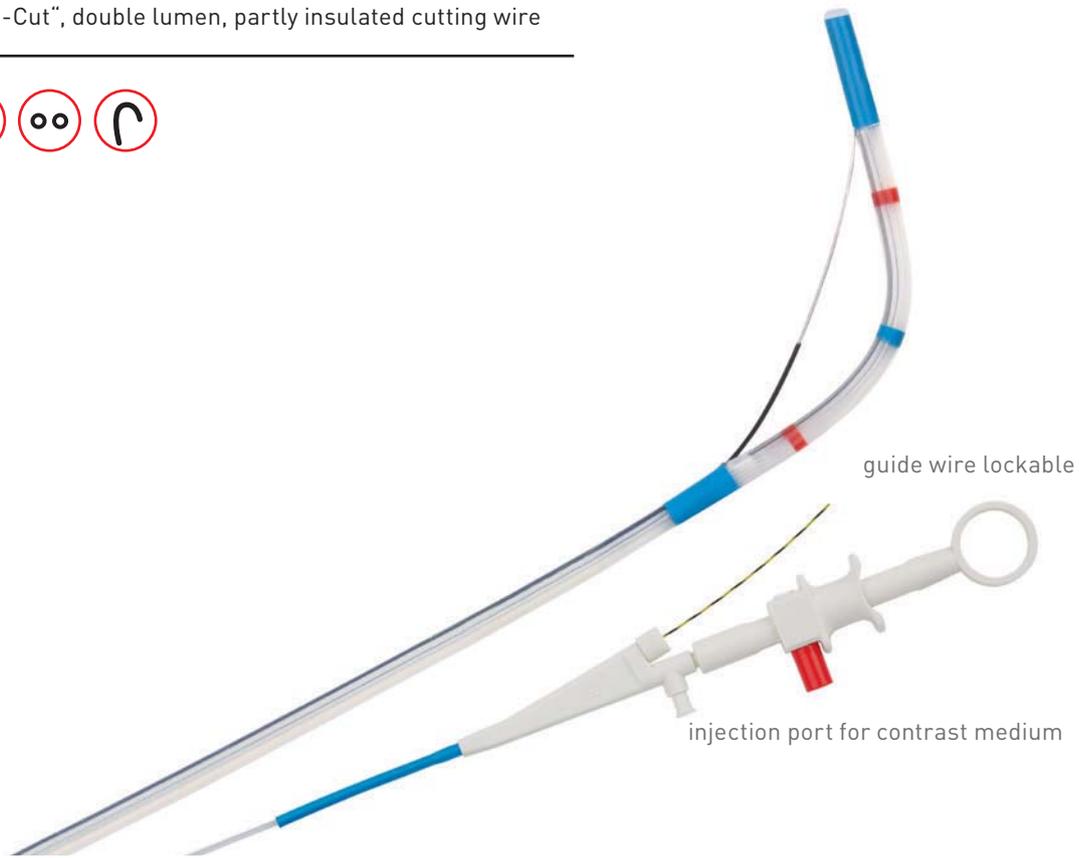
standard for guide wire



Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99 02 30 31	5 mm guiding tip	yes	0.035	30	11 h	2,3 > 1,8	215

PAPILLOTOME

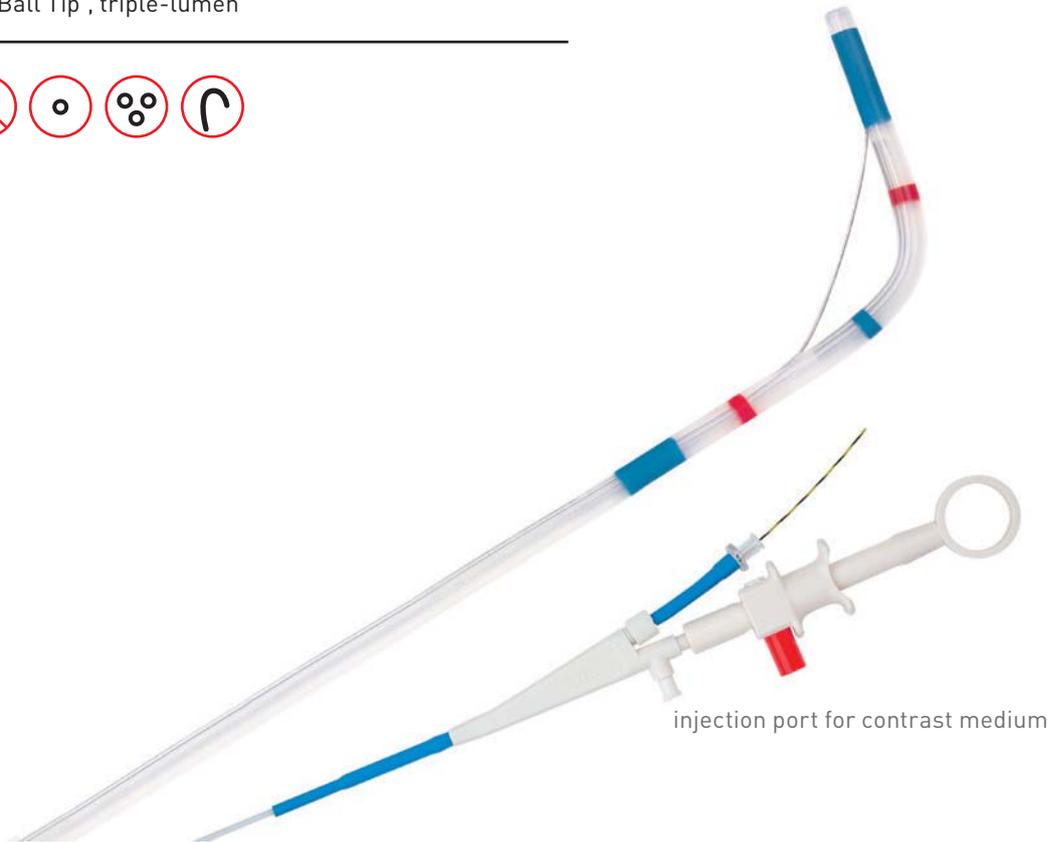
„Safe-Cut“, double lumen, partly insulated cutting wire



Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99 02 82 41	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



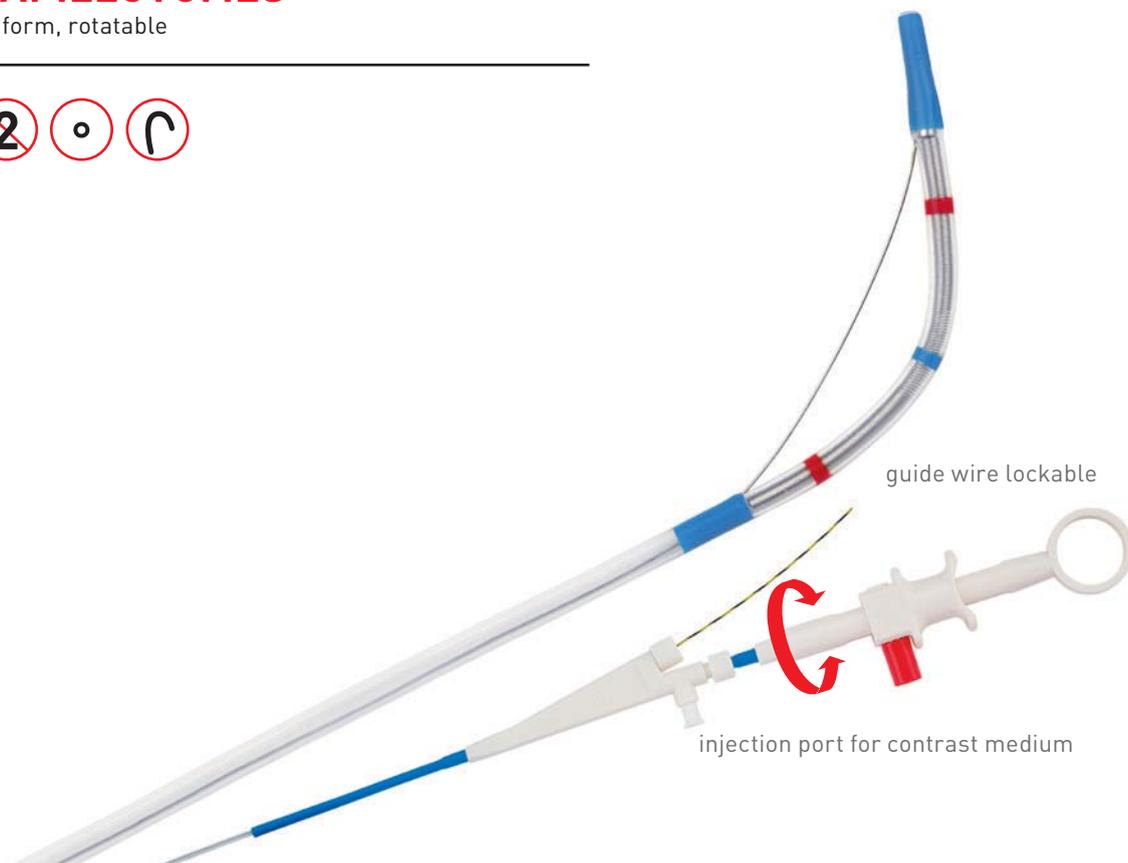
injection port for contrast medium

Article no.	Special features	Lumen	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99 02 36 71	7 mm rounded radiopaque tip single-lumen		yes	0.035	20	11 h	2,3 > 1,8	215
99 02 30 71	7 mm rounded radiopaque tip single-lumen		yes	0.035	30	11 h	2,3 > 1,8	215
99 02 33 61	8 mm rounded radiopaque tip triple-lumen		yes	0.035	20	12 h	2,45 > 1,95	215
99 02 33 71	8 mm rounded radiopaque tip triple-lumen		yes	0.035	25	12 h	2,45 > 1,95	215
99 02 33 81	8 mm rounded radiopaque tip triple-lumen		yes	0.035	30	12 h	2,45 > 1,95	215

Figure shows article REF 99 02 33 81

PAPILLOTOMES

filiform, rotatable

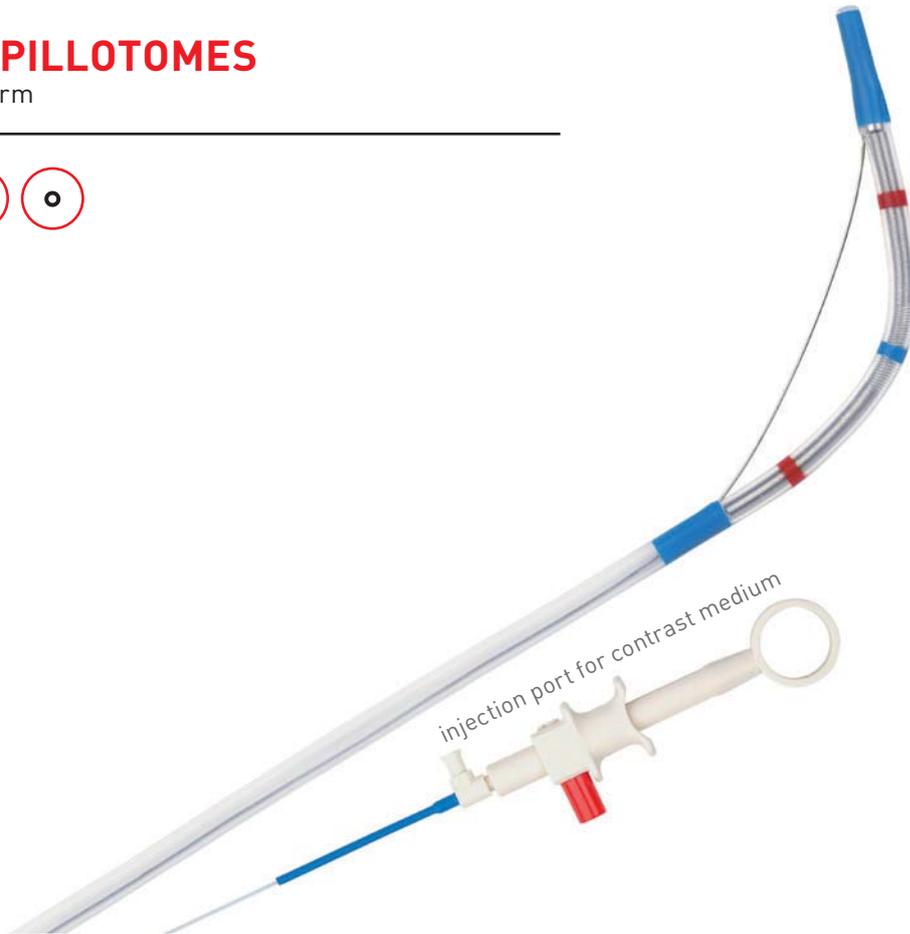


Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99 02 16 51 *)	7 mm radiopaque tip	yes	0.018	20	11 h	1,6	215
99 02 36 81	7 mm radiopaque tip	yes	0.035	20	11 h	2,3 > 1,8	215
99 02 30 81	7 mm radiopaque tip	yes	0.035	30	11 h	2,3 > 1,8	215

Figure shows article REF 99 02 30 81
 *) without shape-stabilizer

PAPILLOTOMES

filiform

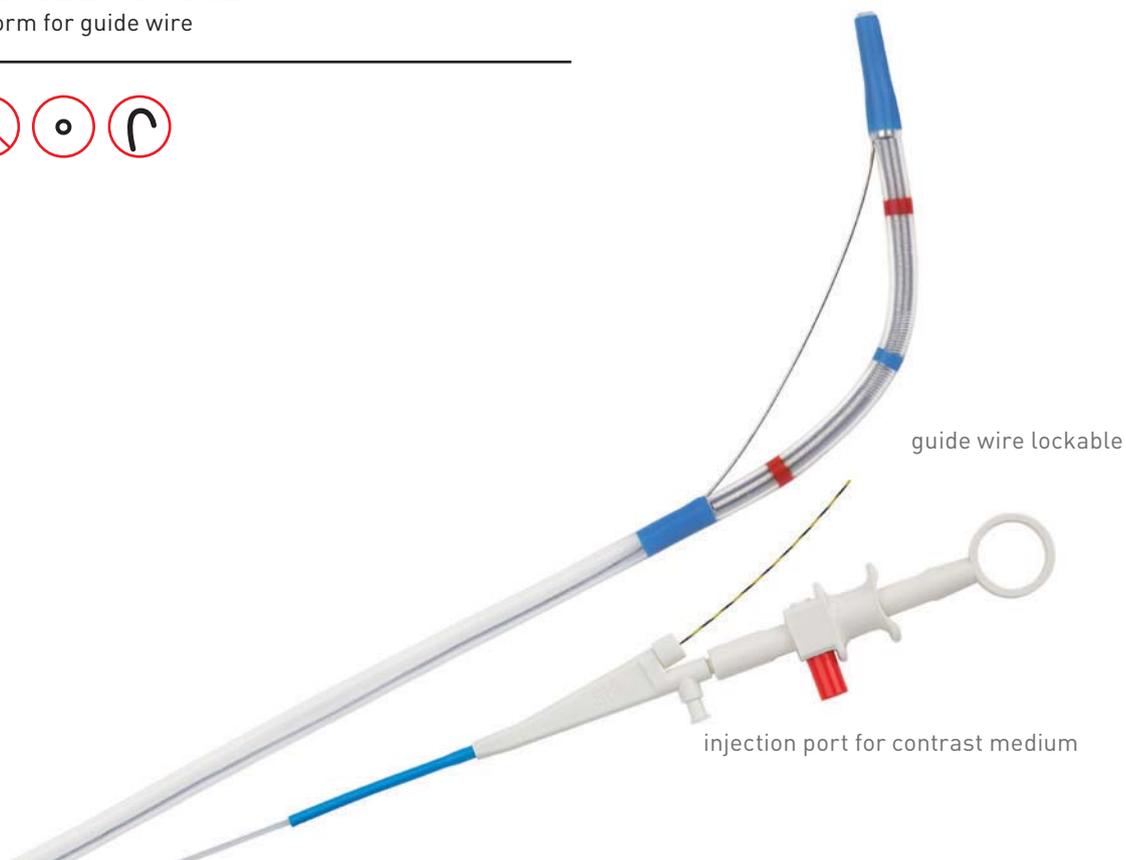


Article no.	Special features	Cutting length mm	Cutting direction	Diameter mm	Length cm
99 02 00 51	7 mm radiopaque tip	30	11 h	1,6	215
99 13 02 00 51	7 mm radiopaque tip	30	11 h	1,6	250

Figure shows article REF 99 02 00 51

PAPILLOTOMES

filiform for guide wire

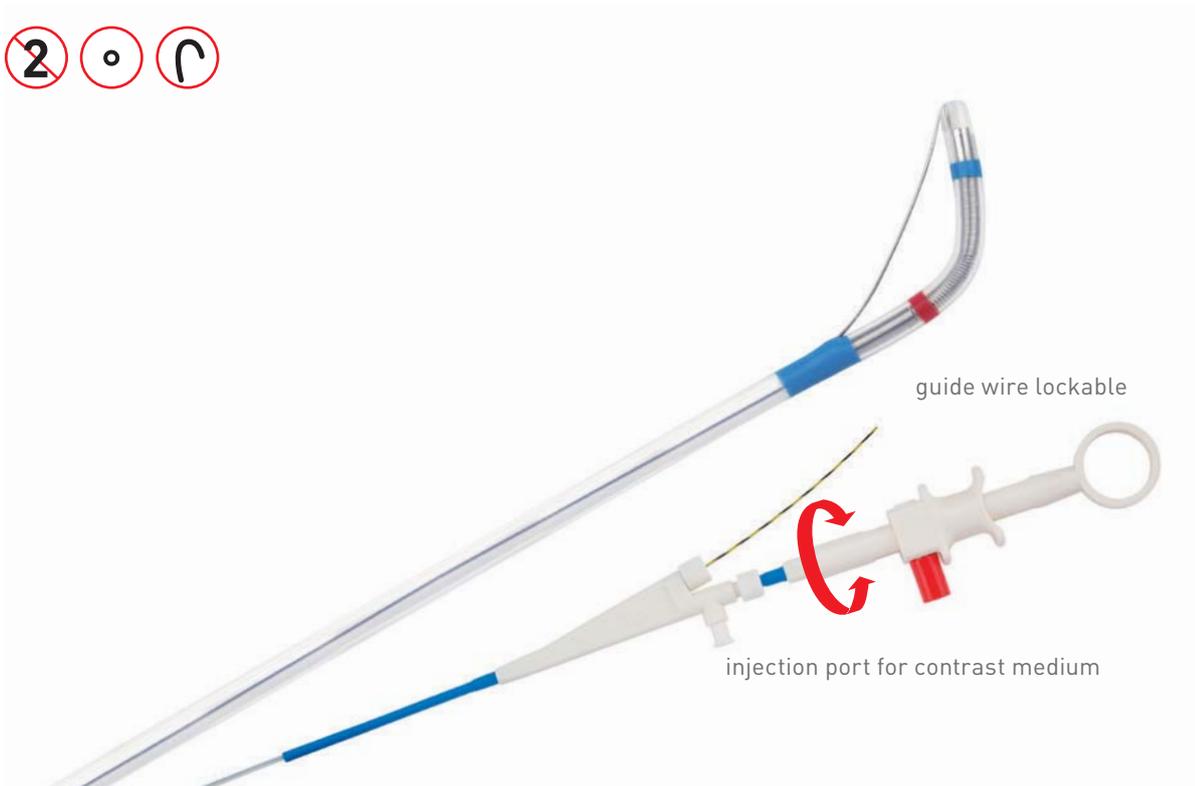


Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99 02 36 51	7 mm radiopaque tip	yes	0.035	20	11 h	2,3 > 1,8	215
99 02 30 51	7 mm radiopaque tip	yes	0.035	30	11 h	2,3 > 1,8	215
99 13 02 30 51	7 mm radiopaque tip	yes	0.035	30	11 h	2,3 > 1,8	250

Figure shows article REF 99 02 30 51

PAPILLOTOME

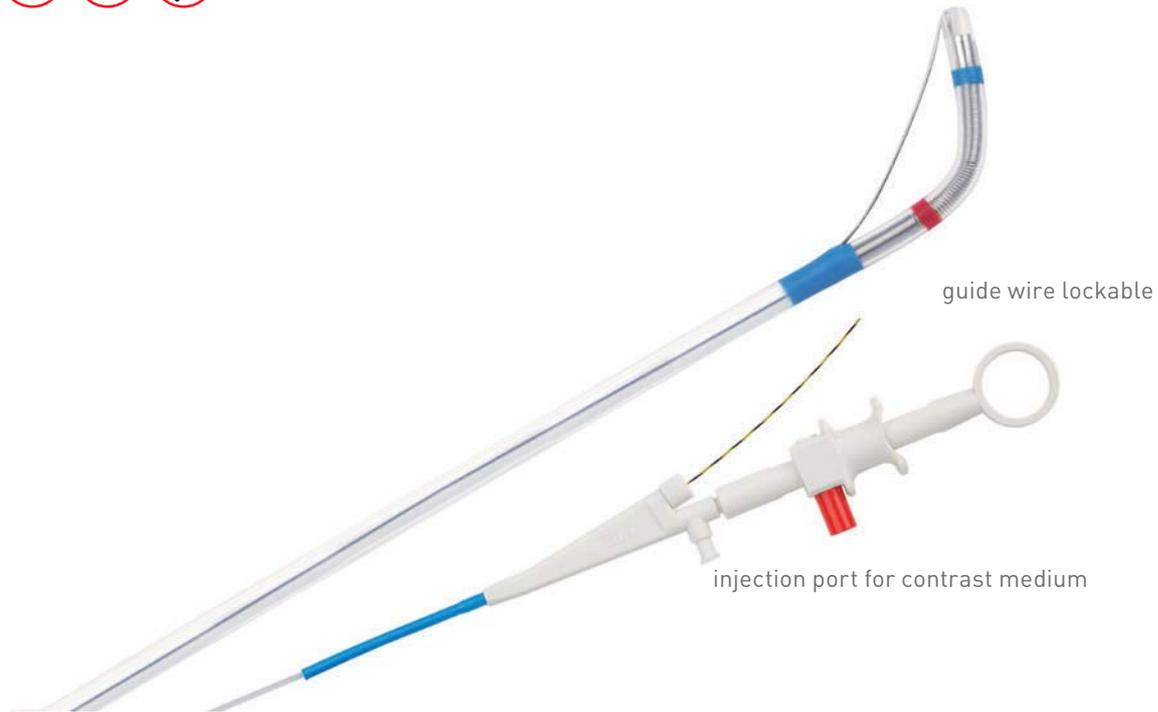
precut, rotatable



Article no.	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99 02 30 91	yes	0.035	20	11 h	2,3 > 1,8	215

PAPILLOTOME

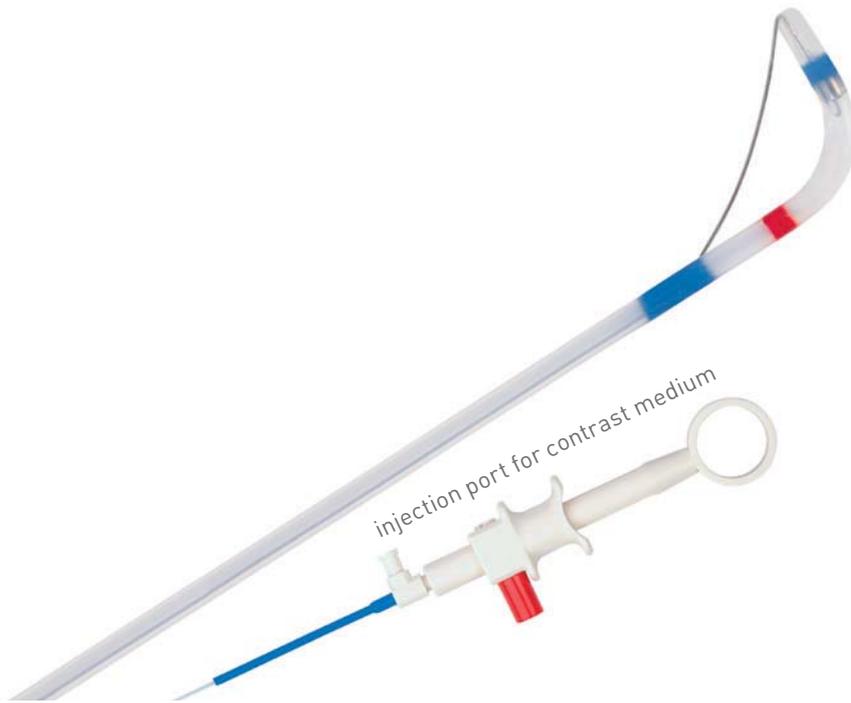
precut, for guide wire



Article no.	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
99 02 30 11	yes	0.035	20	11 h	2,3 > 1,8	215

PAPILLOTOME

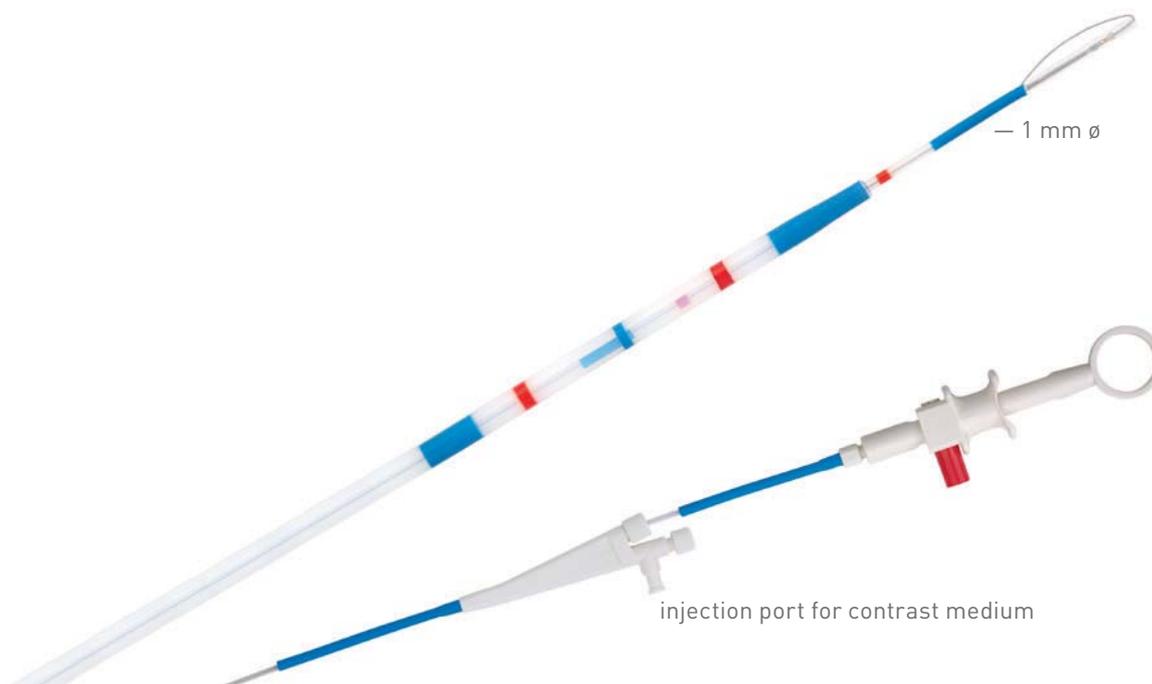
precut



Article no.	Cutting length mm	Cutting direction	Diameter mm	Length cm
99 02 00 11	20	11 h	1,6	215

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 typ	Feather strengthened	Cutting length mm	Cutting direction	Papillotome \varnothing mm	ERCP-catheter with filiform tip	ERCP-catheter \varnothing mm	Length cm
99 02 03 31	precut	yes	10	12 h	1	straight, transparent with ring marking	2,3	230
99 02 03 32	precut	yes	10	12 h	1	pre-bend, black	2,3	230

Figure shows article REF 99 02 03 31

PAPILLOTOME

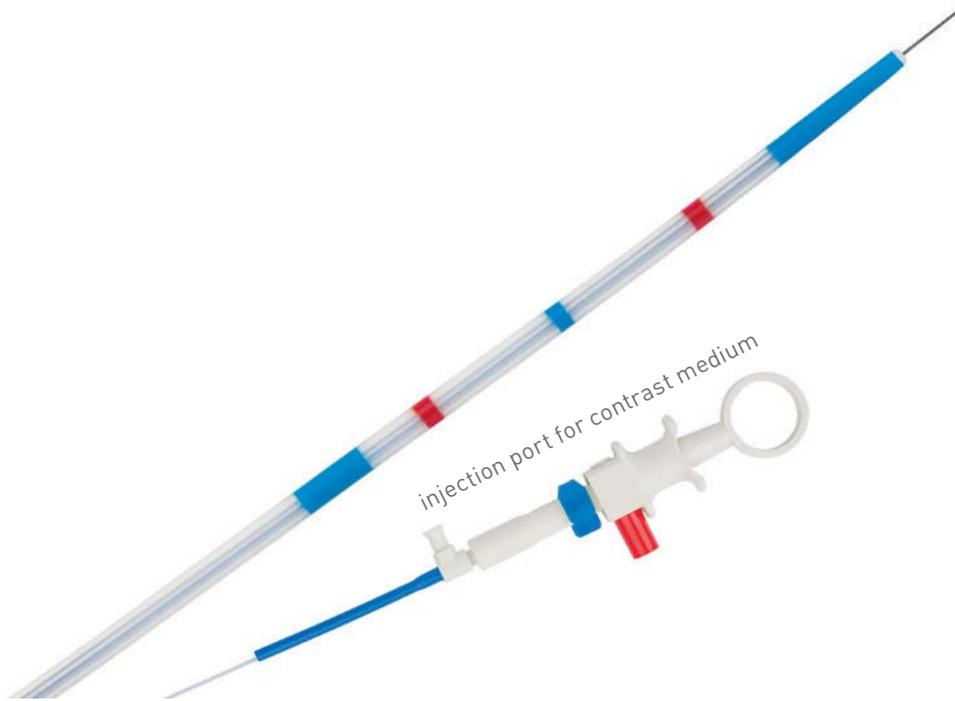
„Angulotome“



Article no.	Diameter of cutting wire mm	Length of cutting wire mm	Diameter mm	Length cm
99 02 82 71	0,6	5	2,3	215

PAPILLOTOMES

needle

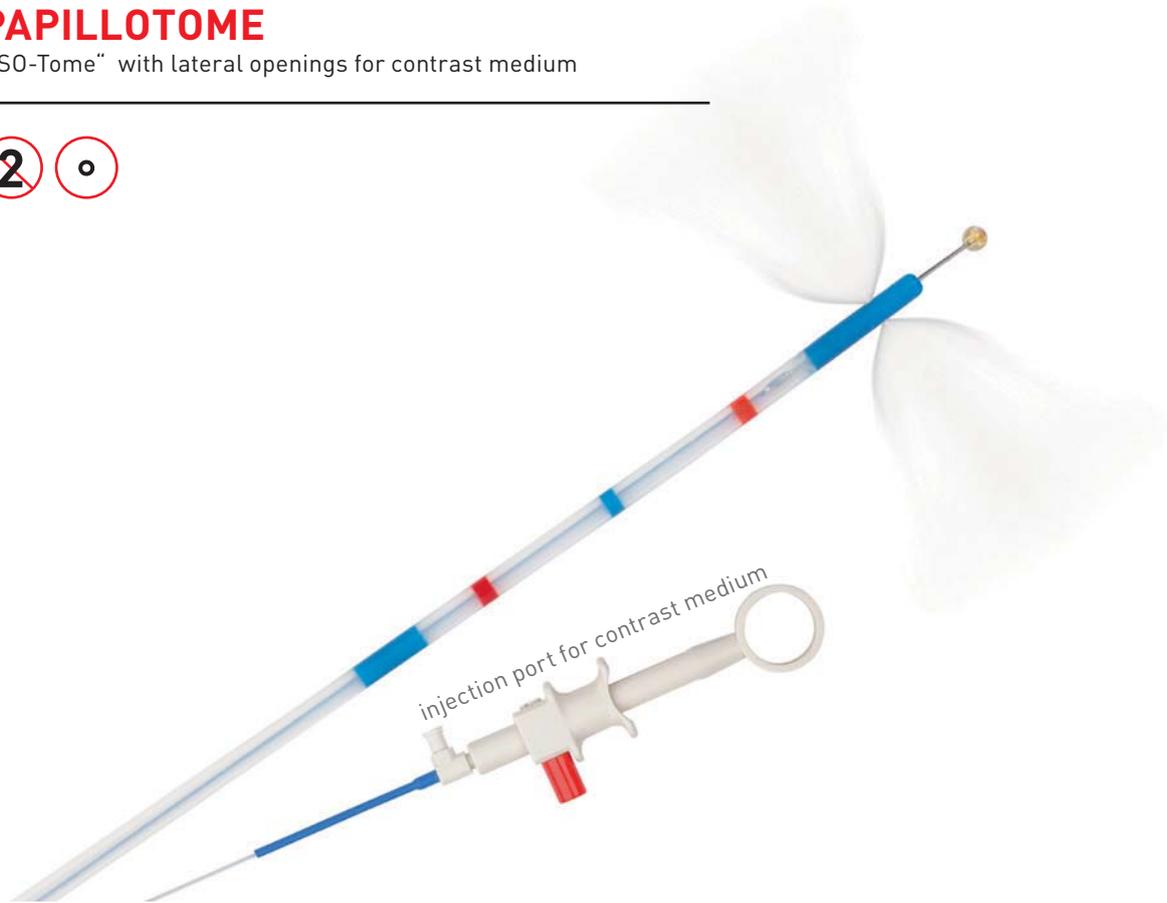


Article no.	Cutting length mm	Diameter mm	Length cm
99 02 01 11	4	1,6	215
99 02 01 21	6	1,6	215

Figure shows article REF 99 02 01 21

PAPILLOTOME

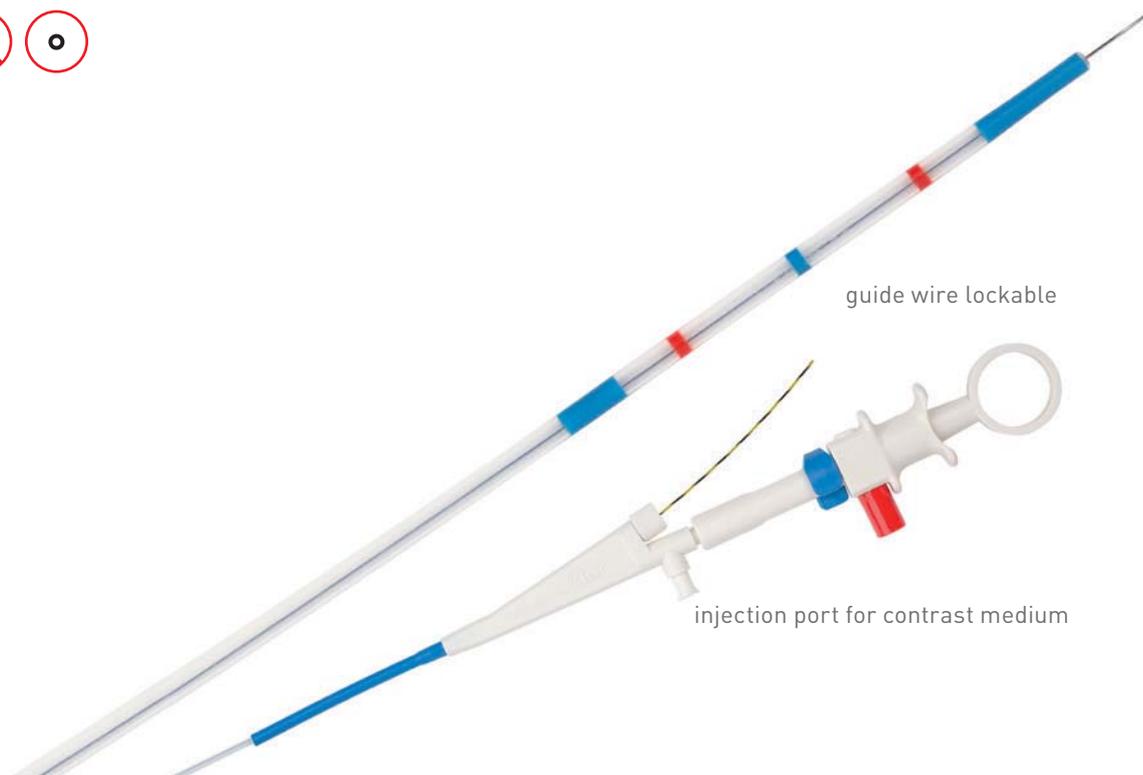
„ISO-Tome“ with lateral openings for contrast medium



Article no.	Cutting length mm	Diameter mm	Length cm
99 02 12 81	10	1,6	195

HF-NEEDLES

HF-KNIFE

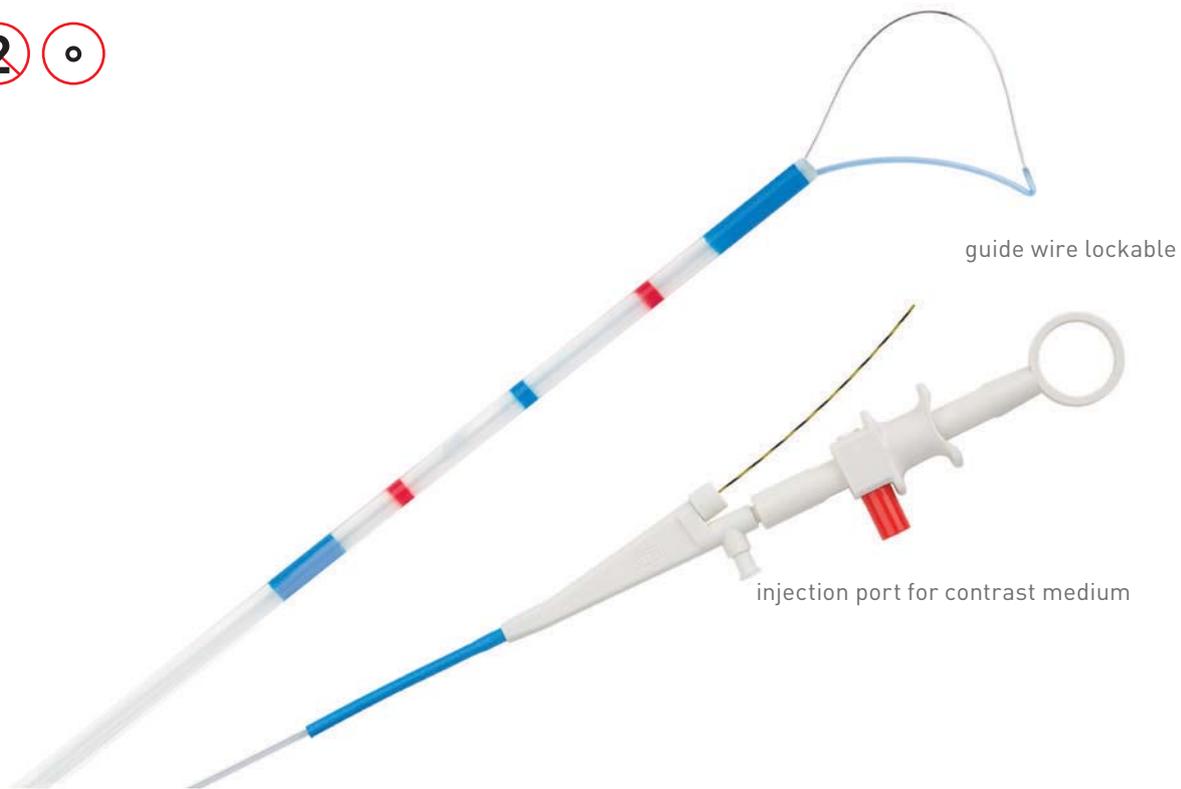


Article no.	Papillotome type	Cutting length mm	For guide wire inch	Diameter mm	Length cm
99 02 31 21	needle	6	0.035	2,3 > 1,8	215
99 13 02 31 21	needle	6	0.035	2,3 > 1,8	250
99 02 31 31	knife	6	0.035	2,3 > 1,8	215

Figure shows article REF 99 02 31 21

PAPILLOTOMES

for B-II-stomach

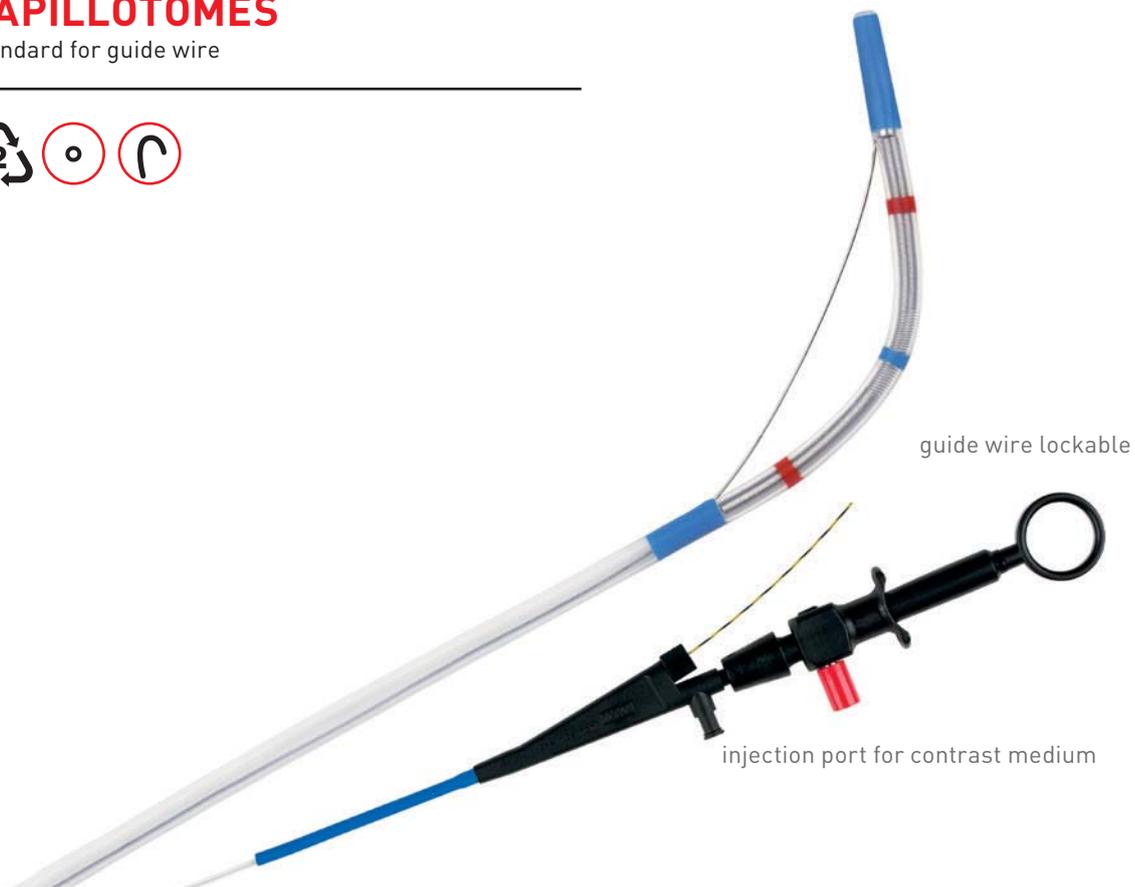


Article no.	For guide wire inch	Maximum cutting arc mm	Diameter mm	Length cm
99 02 31 61	0.035	20	2,3	215
99 13 02 31 61	0.035	20	2,3	250

Figure shows article REF 99 02 31 61

PAPILLOTOMES

standard for guide wire

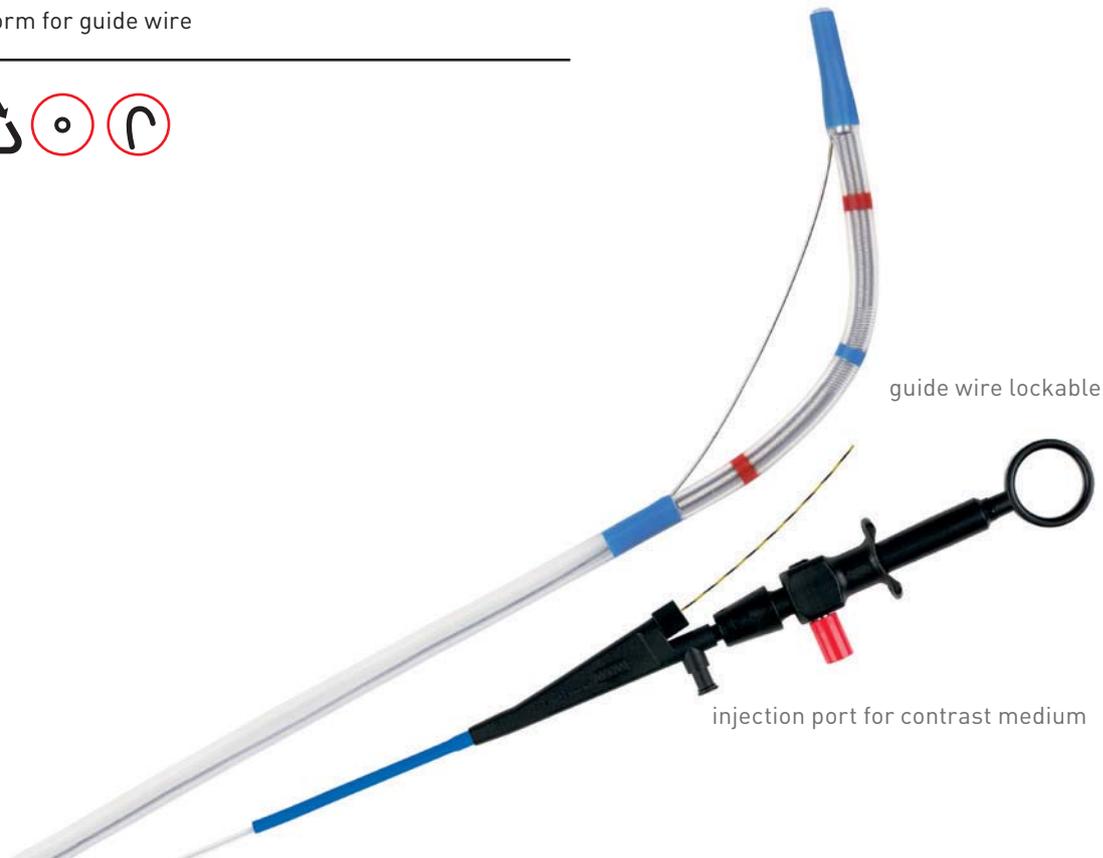


Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
02 30 31	5 mm guiding tip	yes	0.035	30	11 h	2,3 > 1,8	215
02 30 34	5 mm guiding tip	yes	0.035	20	11 h	2,3 > 1,8	215

Figure shows article REF 02 30 31

PAPILLOTOMES

filiform for guide wire

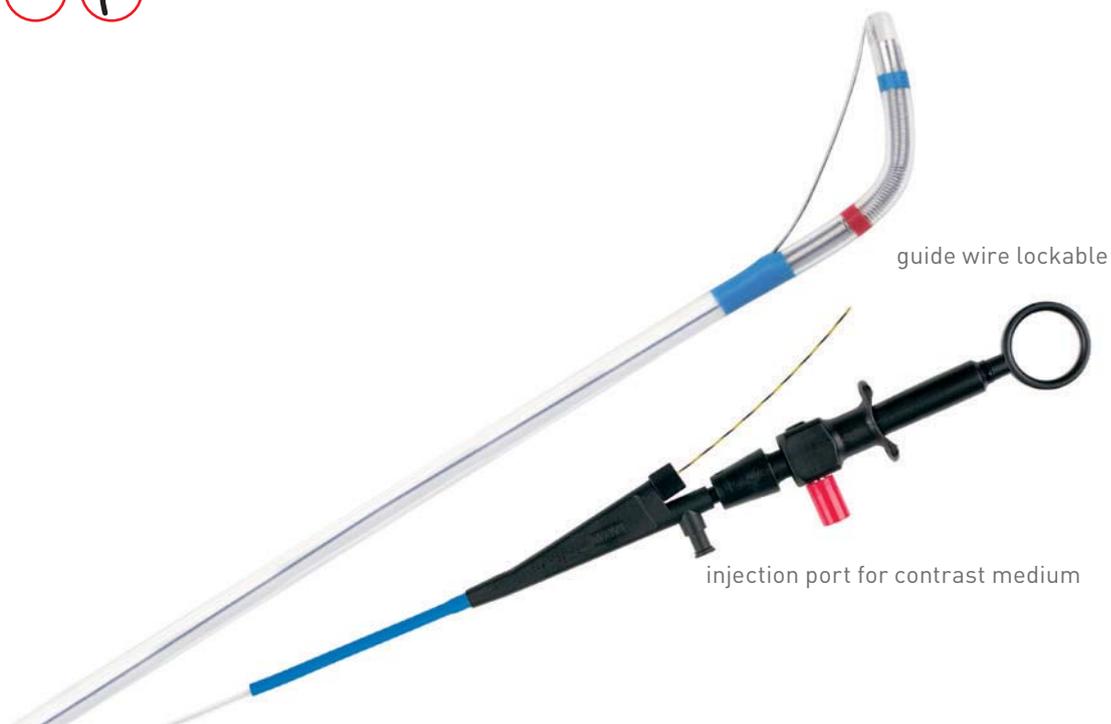


Article no.	Special features	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
02 30 51	7 mm radiopaque tip	yes	0.035	30	11 h	2,3 > 1,8	215
02 36 51	7 mm radiopaque tip	yes	0.035	20	11 h	2,3 > 1,8	215

Figure shows article REF 02 30 51

PAPILLOTOMES

precut for guide wire

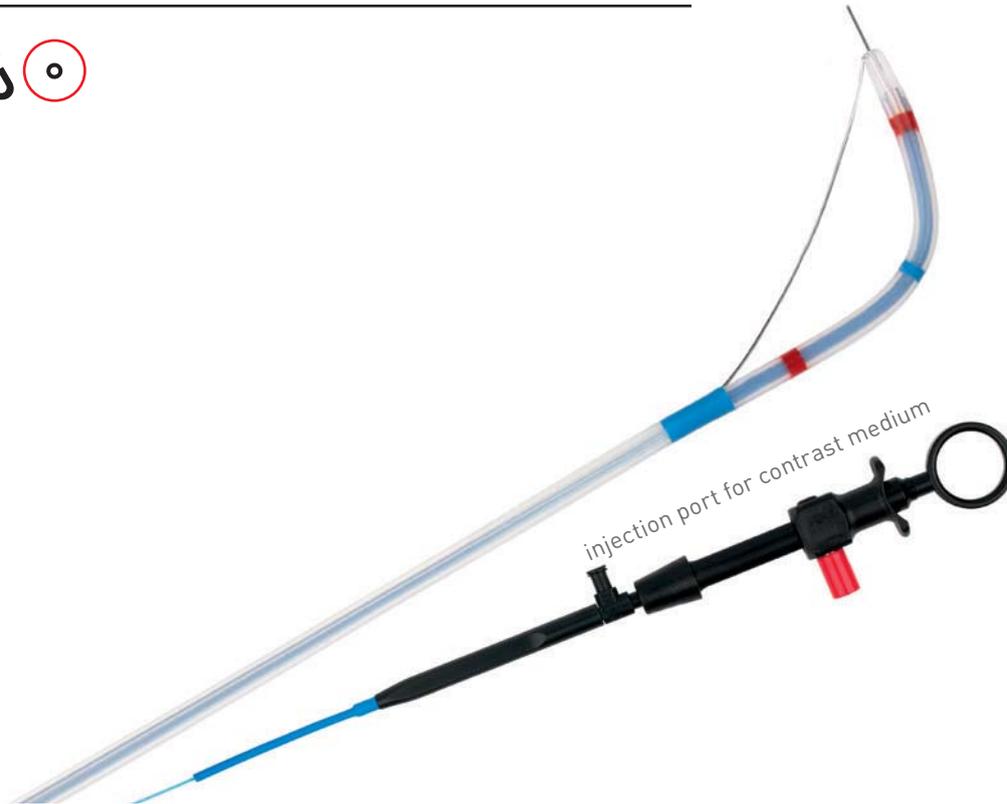


Article no.	Feather strengthened	For guide wire inch	Cutting length mm	Cutting direction	Diameter mm	Length cm
02 30 11	yes	0.035	20	11 h	2,3 > 1,8	215
02 30 21	yes	0.035	30	11 h	2,3 > 1,8	215

Figure shows article REF 02 30 11

PAPILLOTOME, COMBINED

feather strengthened, needle retractable



Article no.	Special features	Needle length mm	Feather strengthened	Cutting length mm	Cutting direction	Diameter mm	Length cm
02 01 01	needle retractable	10	yes	30	11 h	1,6	215

PAPILLOTOMES

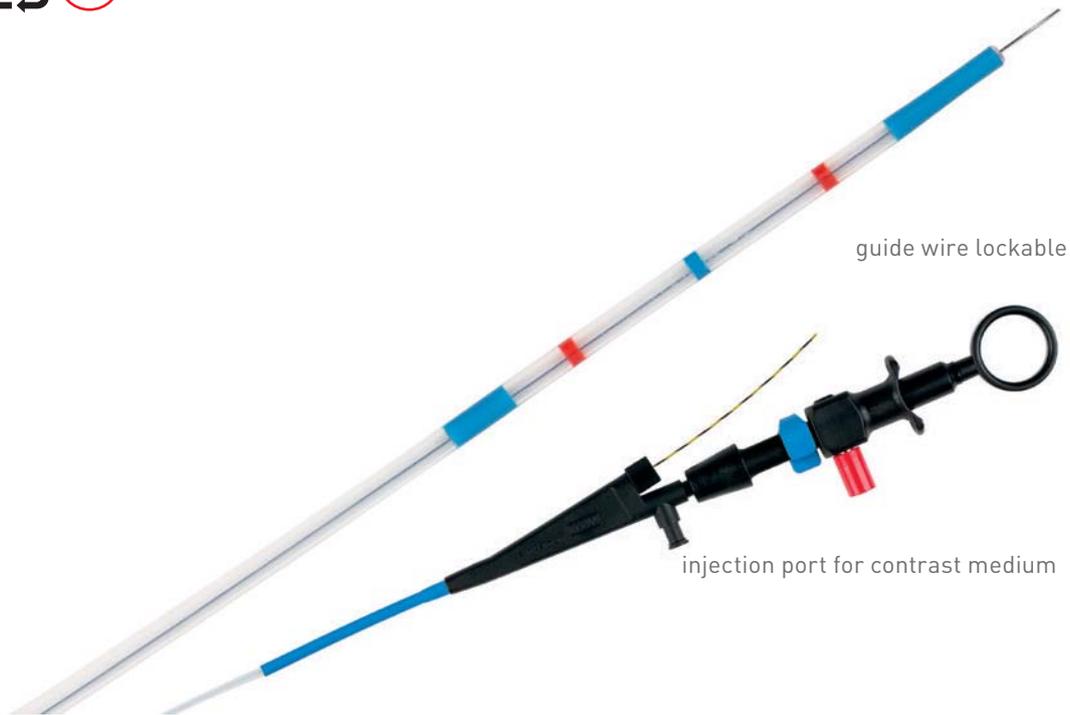
needle
knife



Article no.	Papillotome type	Cutting length mm	Diameter mm	Length cm
02 01 21	needle	6	1,6	215
02 01 31	knife	6	1,6	215

Figure shows article REF 02 01 21

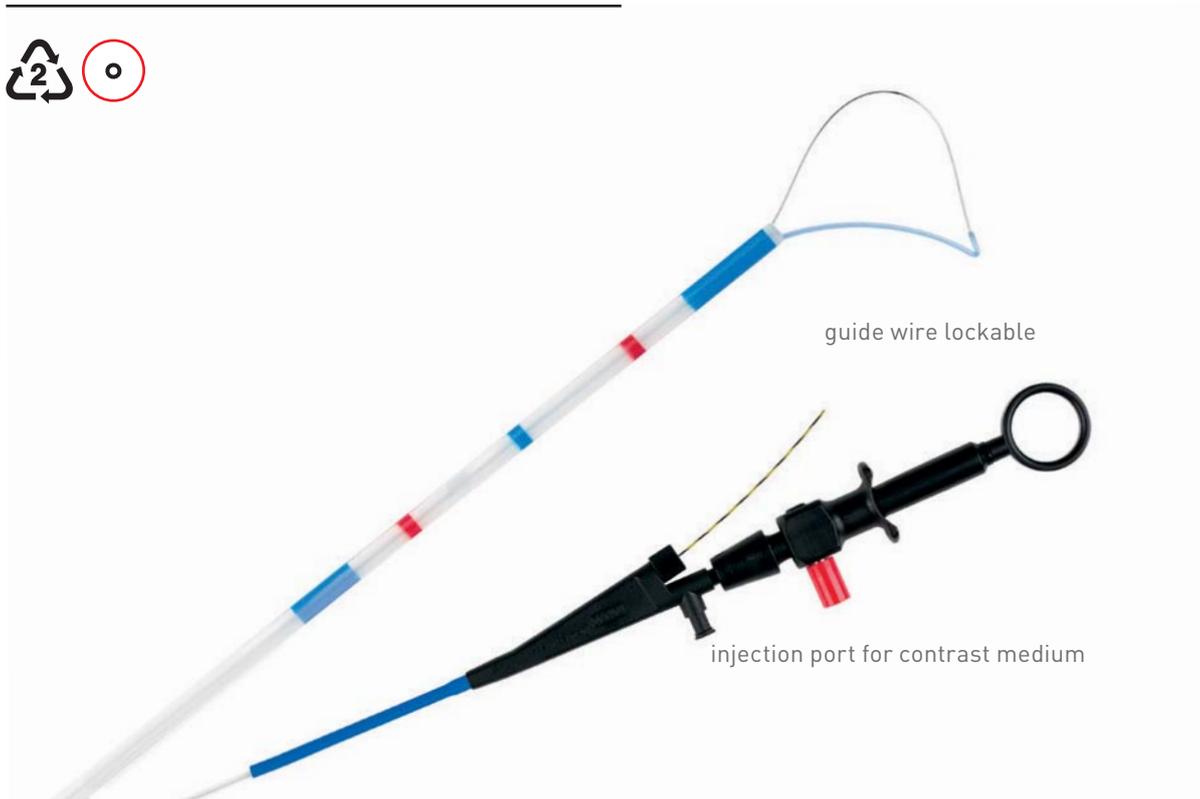
HF-NEEDLE



Article no.	Papillotome type	Needle length mm	For guide wire inch	Diameter mm	Length cm
02 31 21	needle	6	0.035	2,3 > 1,8	215

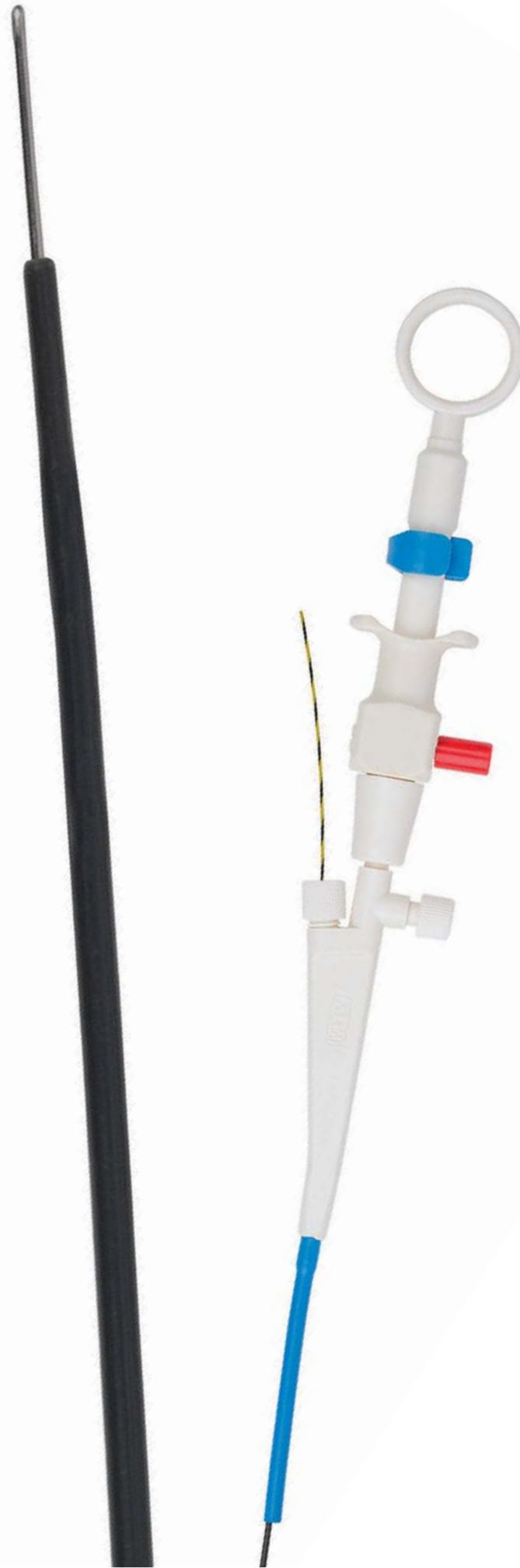
PAPILLOTOME

for B-II-stomach



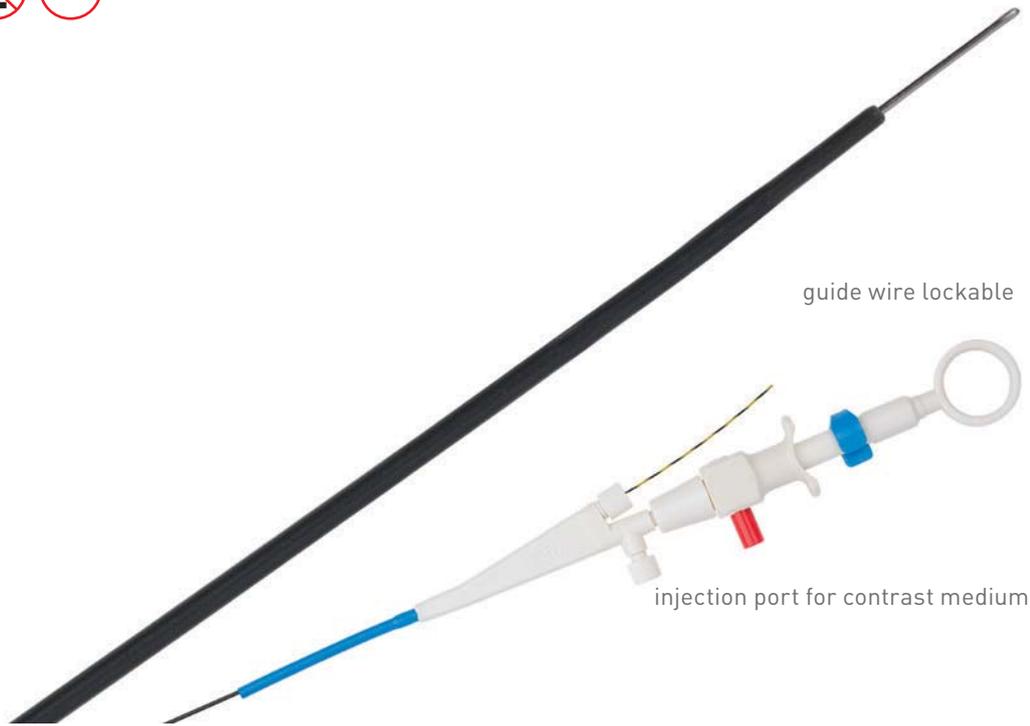
Article no.	For guide wire inch	Maximum cutting arc mm	Diameter mm	Length cm
02 31 61	0.035	20	2,3	215

CYSTOSTOME



CYSTOSTOME

filiform



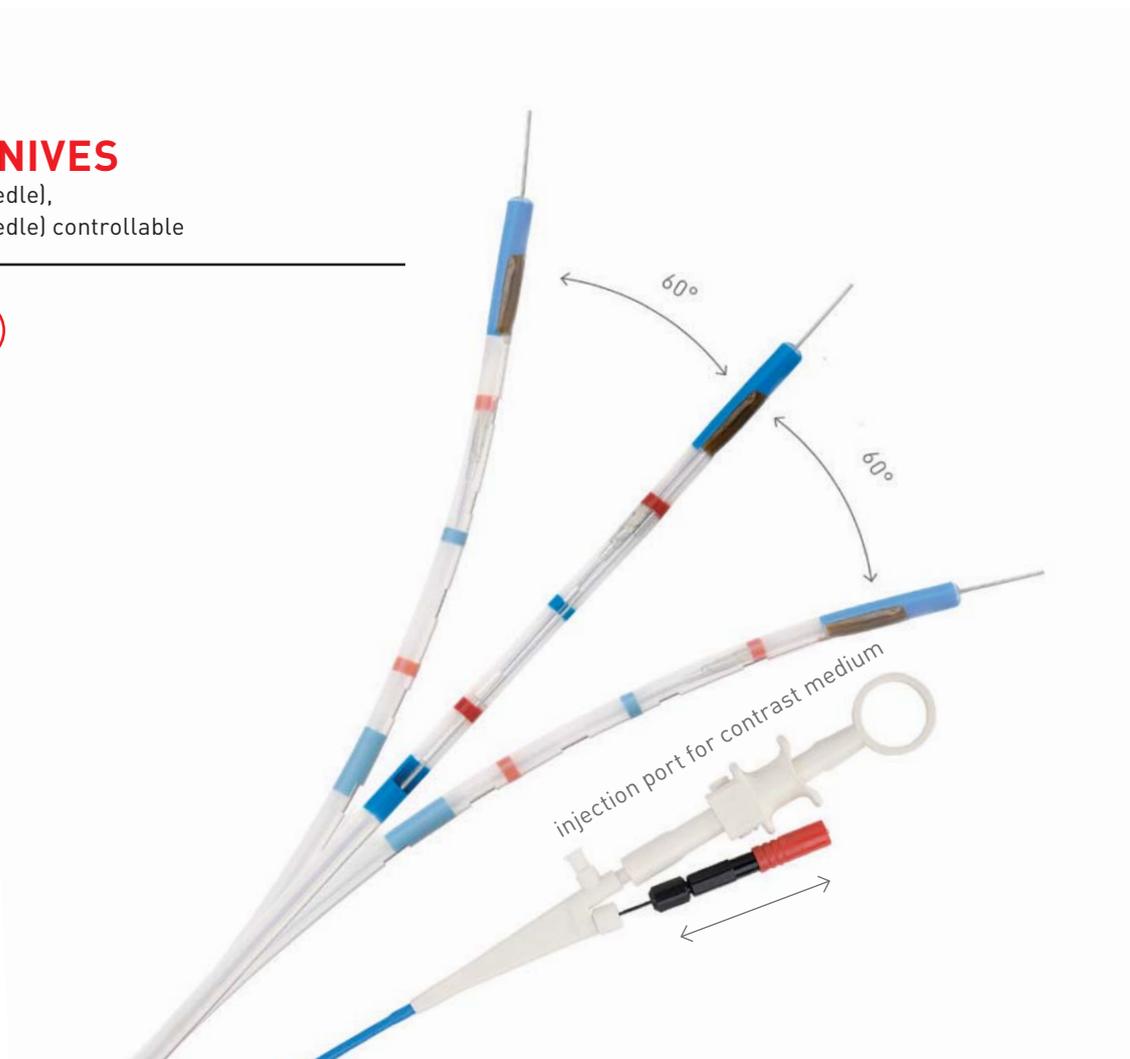
Article no.	Needle diameter mm	Needle length mm	For guide wire inch	Diameter mm	Length cm
99 02 38 92	0,6	10	0.035	1,7	200

ESD-KNIVES



ESD-KNIVES

type „a“ (needle),
type „a“ (needle) controllable

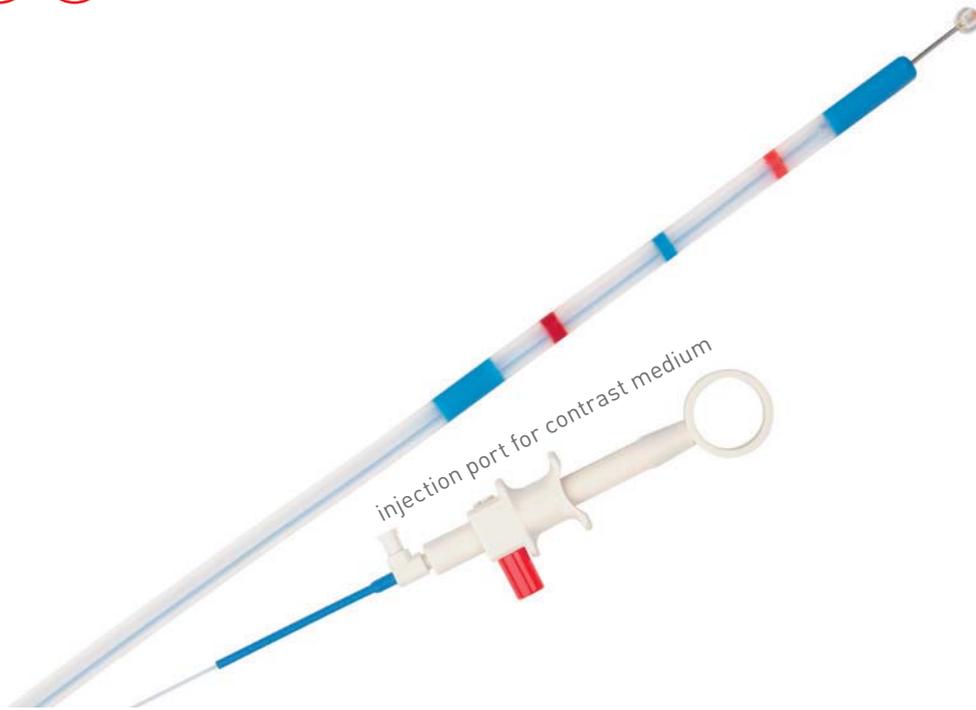


Article no.	Needle diameter mm	Needle length mm	Diameter mm	Length cm	Special features
99 02 02 11	0,4	6	1,6	185	
99 02 72 11	0,3	6	2,6 > 1,8	185	controllable

Figure shows article 99 02 72 11

ESD-KNIFE

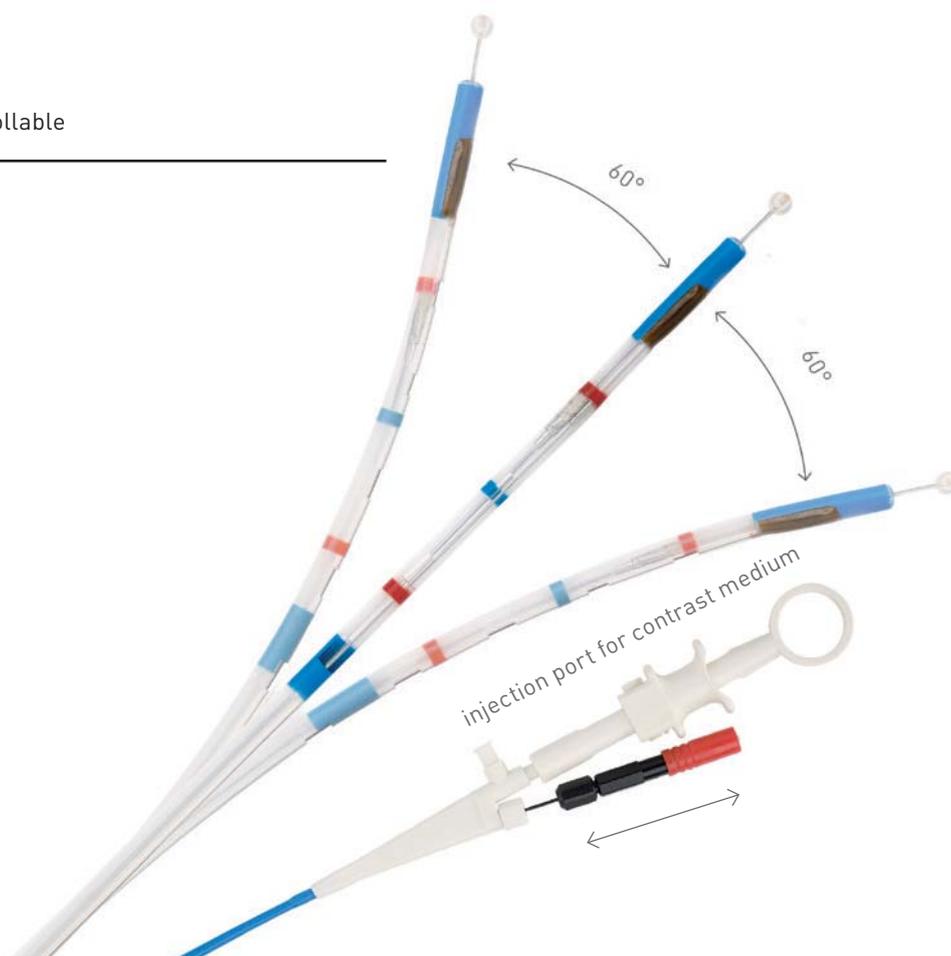
type „b“ (ball)



Article no.	Needle diameter mm	Ball diameter mm	Needle length mm	Diameter mm	Length cm
99 02 02 71	0,4	2,3	5	2,3	185

ESD-KNIFE

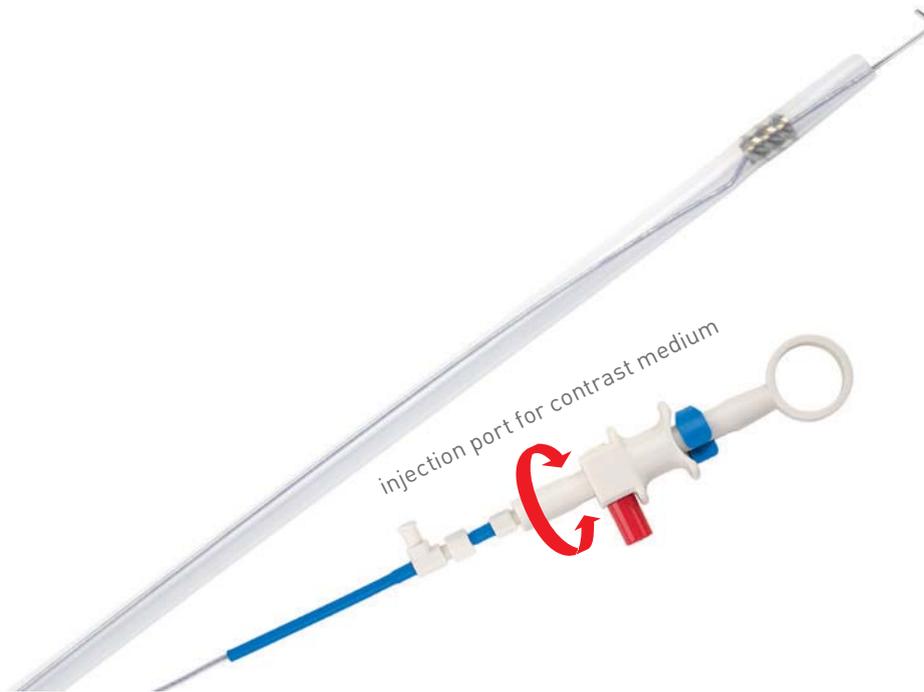
type „b“ (ball), controllable



Article no.	Needle diameter mm	Ball diameter mm	Needle length mm	Special features	Diameter mm	Length cm
99 02 72 81	0,3	1,6	5	controllable	2,6 > 1,8	185

ESD-KNIFE

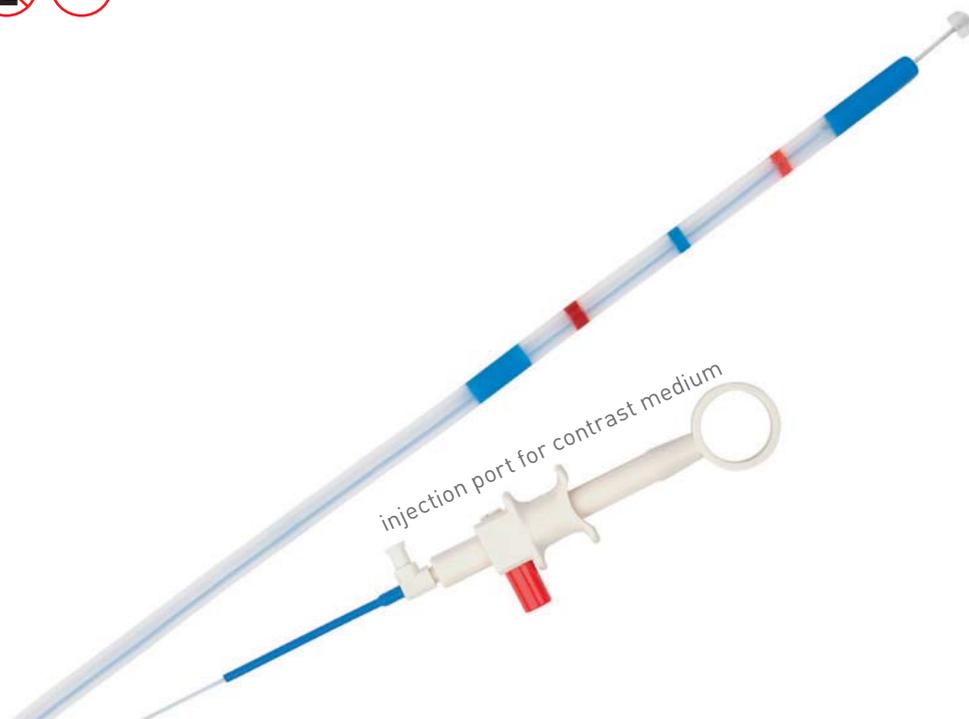
type „c“ (hook)



Article no.	Needle diameter mm	Hook length mm	Needle length mm	Diameter mm	Length cm
99 02 02 81	0,4	2	5	2,6	185

ESD-KNIFE

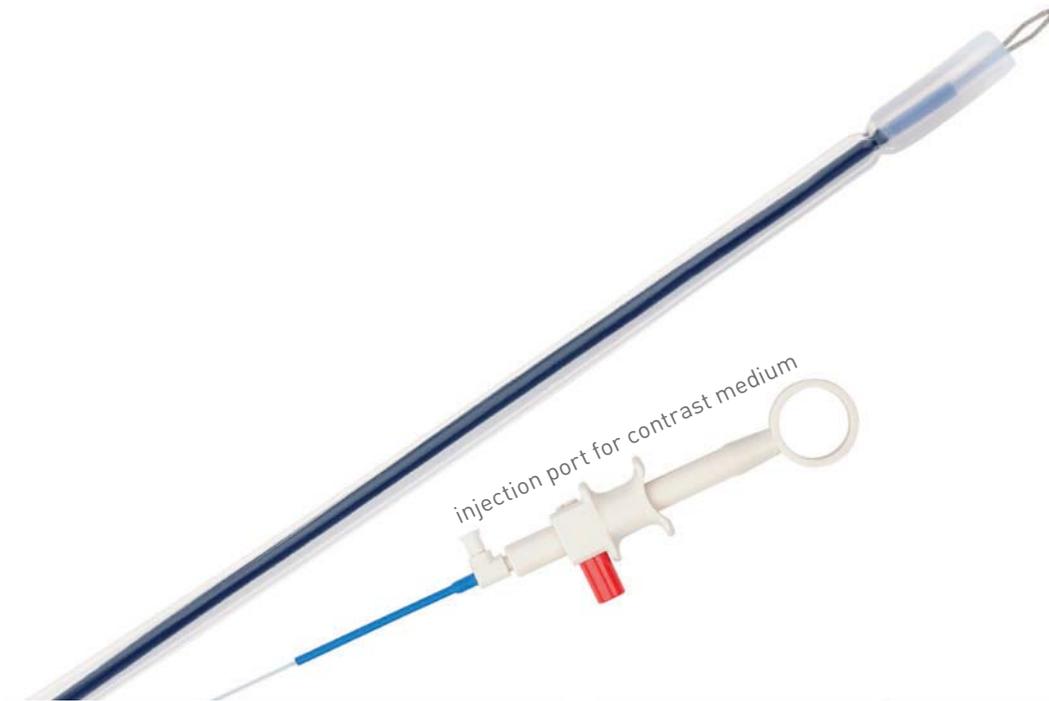
type „e“ (hemisphere)



Article no.	Needle diameter mm	Hemisphere diameter mm	Needle length mm	Diameter mm	Length cm
99 02 22 81	0,4	2,3	5	2,3	185

ESD-KNIFE

type „f“ (flexible tip)



Article no.	Special features	Wire diameter mm	Wire length mm	Diameter mm	Length cm
99 02 05 11	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.

BASKETS LITHOTRIPTOR (SET) BALLOON CATHETERS

03

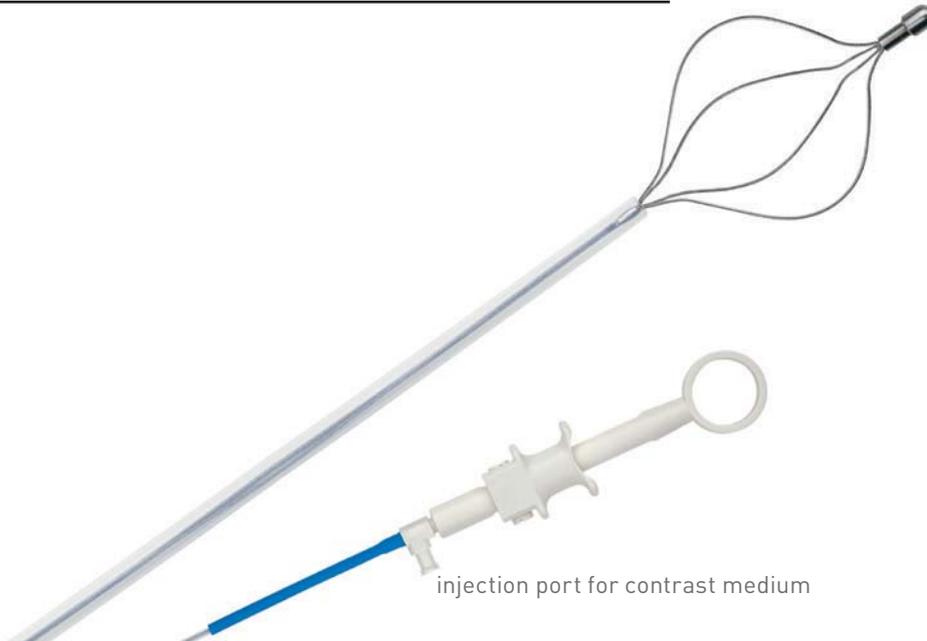
BASKETS



LITHOTOMY BASKETS „EASY-CATCH“

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

2



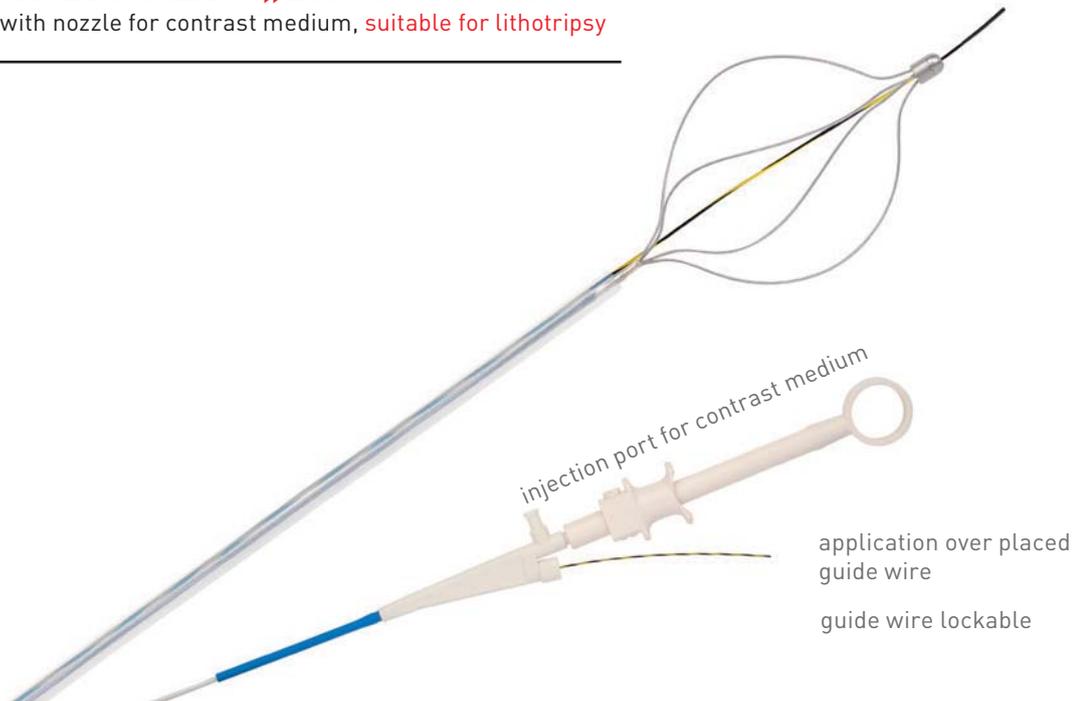
Article no.	Basket expanded dimension mm		Basket type	Diameter mm	Length cm
	Opening width	Opening length			
99 13 03 10 24	20	30	slightly turned	1,8	250
99 13 03 10 34	20	30	slightly turned	2,3	250
99 13 03 10 36	30	45	slightly turned	2,3	250
99 03 10 34 04	20	30	slightly turned	2,6	215
99 03 10 35 04	25	40	slightly turned	2,6	215
99 03 10 36 04	30	45	slightly turned	2,6	215
99 03 10 37 04	40	55	slightly turned	2,6	215
99 03 10 38 04	45	60	slightly turned	2,6	215

Figure shows article REF 99 03 10 36 04

LITHOTOMY BASKETS „EASY-CATCH“

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

2



Article no.	Basket expanded dimension mm		Basket type	For guide wire inch	Diameter mm	Length cm
	Opening width	Opening length				
99 03 10 23 24	15	25	slightly turned	0.025	1,8	215
99 03 10 24 24	20	30	slightly turned	0.025	1,8	215
99 03 10 44 33	20	30	slightly turned	0.035	2,6	215
99 03 10 45 33	25	40	slightly turned	0.035	2,6	215
99 03 10 46 33	30	45	slightly turned	0.035	2,6	215
99 03 10 47 33	40	55	slightly turned	0.035	2,6	215

Figure shows article REF 99 03 10 46 33

LITHOTOMY BASKETS

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

2



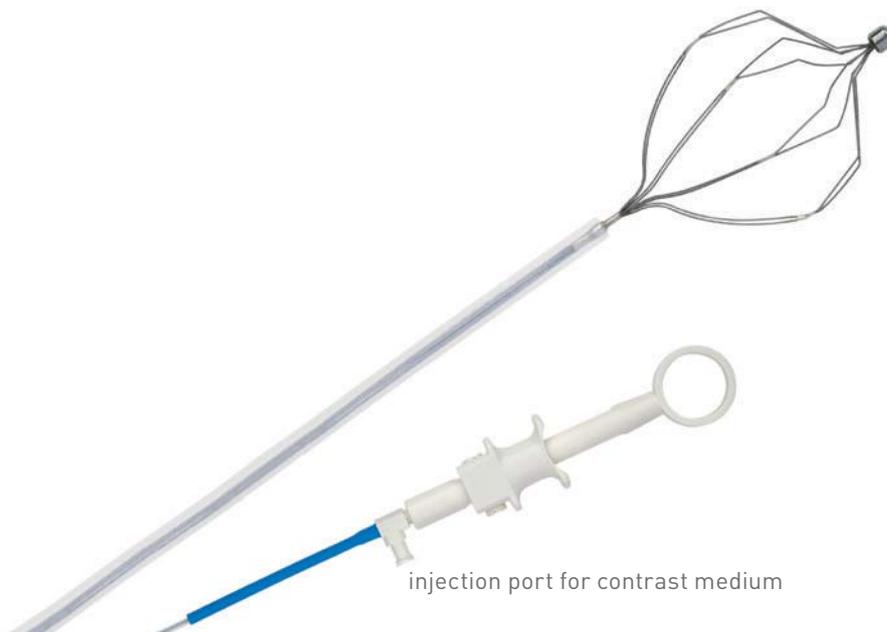
Article no.	Basket expanded dimension mm		Basket type	Diameter mm	Length cm
	Opening width	Opening length			
99 03 11 21 04	10	20	straight	1,8	215
99 03 11 23 04	15	25	straight	1,8	215
99 03 11 24 04	20	30	straight	1,8	215
99 03 11 25 04	25	40	straight	1,8	215
99 03 11 26 04	30	45	straight	1,8	215
99 03 11 27 04	40	55	straight	1,8	215
99 03 11 28 04	45	60	straight	1,8	215
99 03 11 31 04	10	20	straight	2,6	215
99 03 11 33 04	15	25	straight	2,6	215
99 03 11 34 04	20	30	straight	2,6	215
99 03 11 35 04	25	40	straight	2,6	215
99 03 11 36 04	30	45	straight	2,6	215
99 03 11 37 04	40	55	straight	2,6	215
99 03 11 38 04	45	60	straight	2,6	215

Figure shows article REF 99 03 11 36 04

LITHOTOMY BASKET

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

2

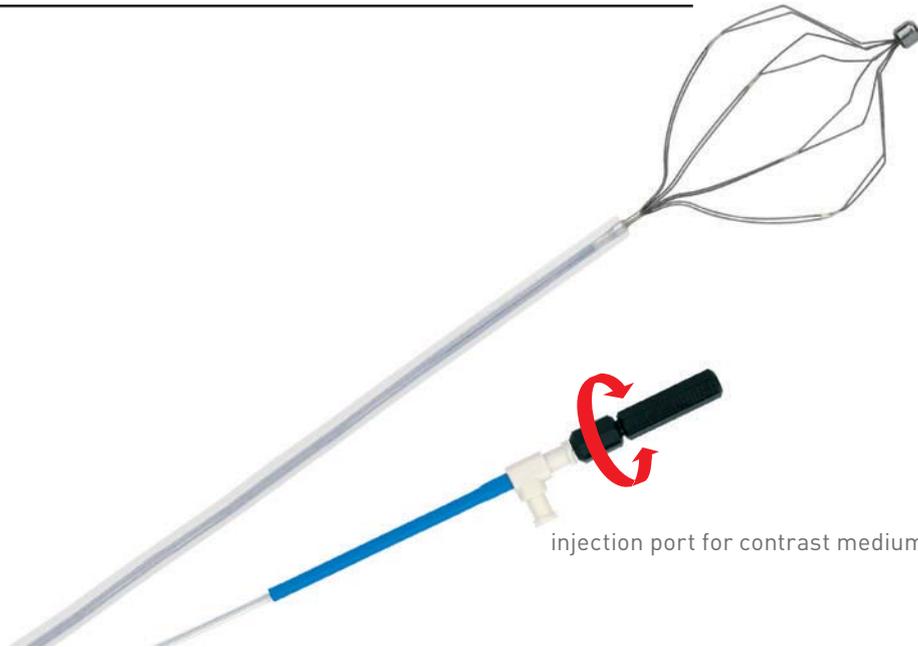


Article no.	Basket expanded dimension mm		Diameter mm	Length cm
	Opening width	Opening length		
99 03 11 36 09	30	45	2,6	215

LITHOTOMY BASKET

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

2

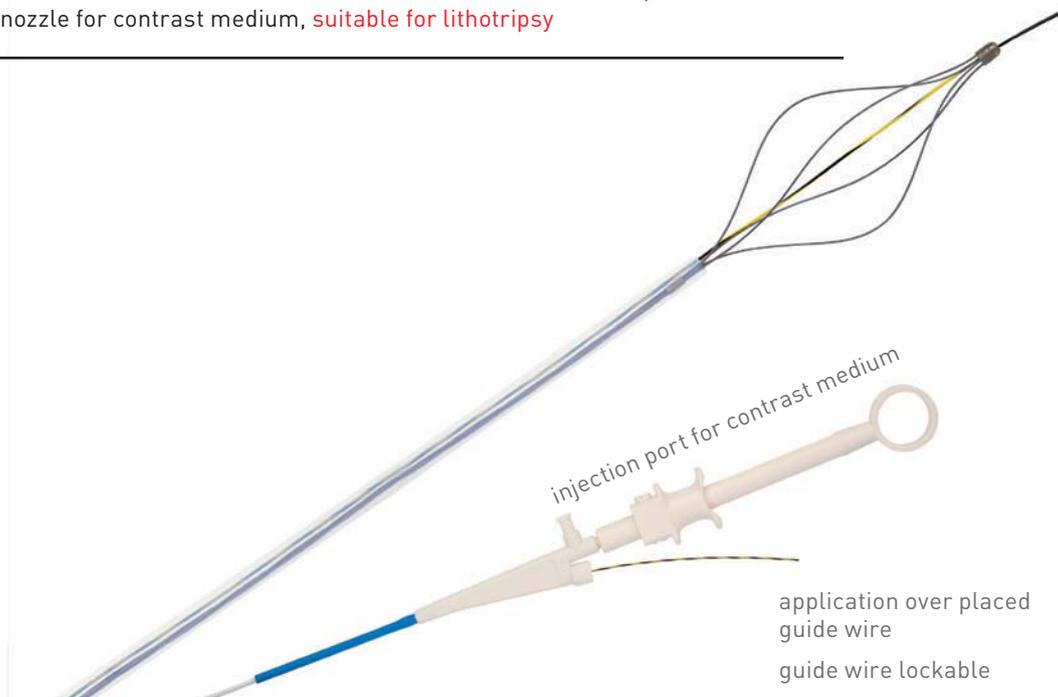


Article no.	Basket expanded dimension mm		Basket wire	Diameter mm	Length cm
	Opening width	Opening length			
99 03 11 36 08	30	45	twisted	2,6	215

LITHOTOMY BASKETS „POWER-CATCH“, NITINOL

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

2



Article no.	Basket expanded dimension mm		Basket type	For guide wire inch	Diameter mm	Length cm
	Opening width	Opening length				
99 03 16 34 32	25	40	turned	0.035	2,9	215
99 03 16 36 32	30	45	turned	0.035	2,9	215
99 03 16 38 32	40	55	turned	0.035	2,9	215
99 03 17 36 32 *)	30	45	turned	0.035	2,9	180

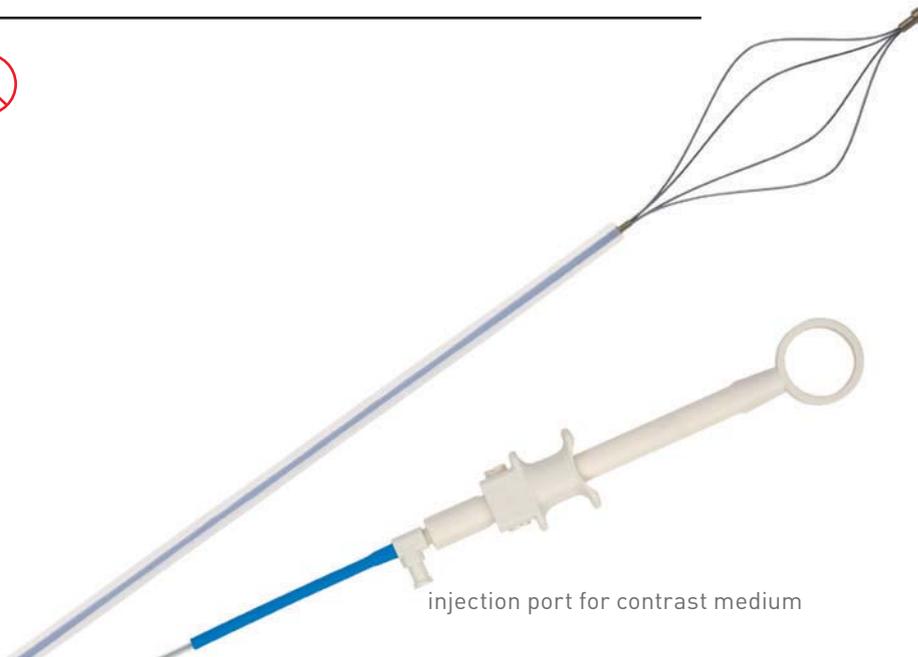
Figure shows article REF 99 03 16 36 32

*) Pulling wire is PTFE coated

LITHOTOMY BASKETS, NITINOL

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

2



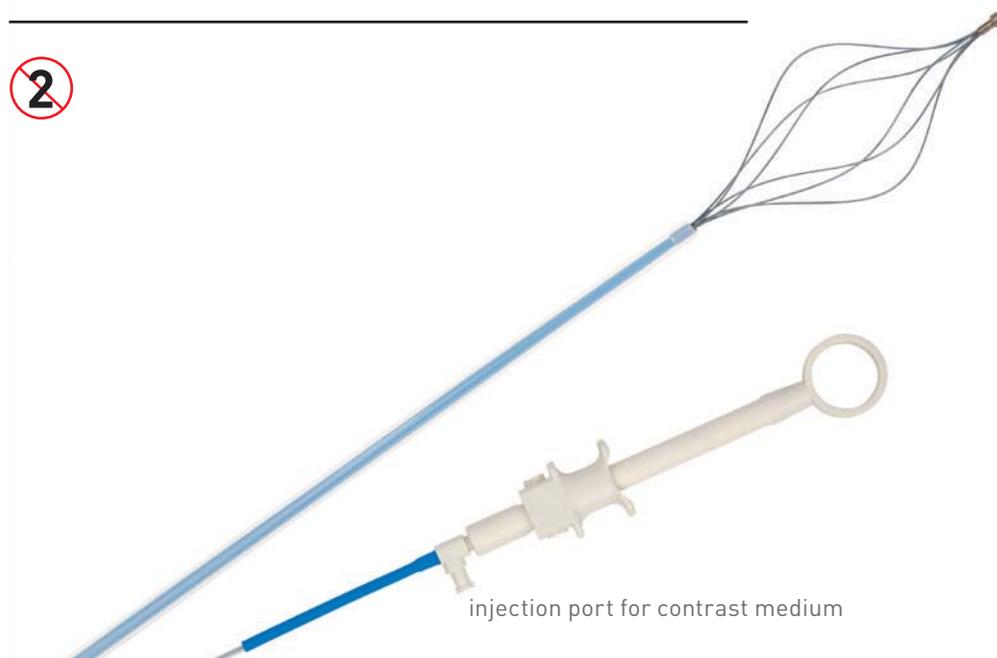
Article no.	Basket expanded dimension mm		Basket type	Diameter mm	Length cm
	Opening width	Opening length			
99 03 11 23 02	15	25	straight	1,8	215
99 03 11 24 02	20	30	straight	1,8	215
99 03 11 25 02	25	40	straight	1,8	215
99 03 11 26 02	30	45	straight	1,8	215
99 03 11 27 02	35	55	straight	1,8	215
99 03 11 33 02	15	25	straight	2,3	215
99 03 11 34 02	20	30	straight	2,3	215
99 03 11 35 02	25	40	straight	2,3	215
99 03 11 36 02	30	45	straight	2,3	215
99 03 11 37 02	35	55	straight	2,3	215

Figure shows article REF 99 03 11 36 02

LITHOTOMY BASKETS, NITINOL

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

2

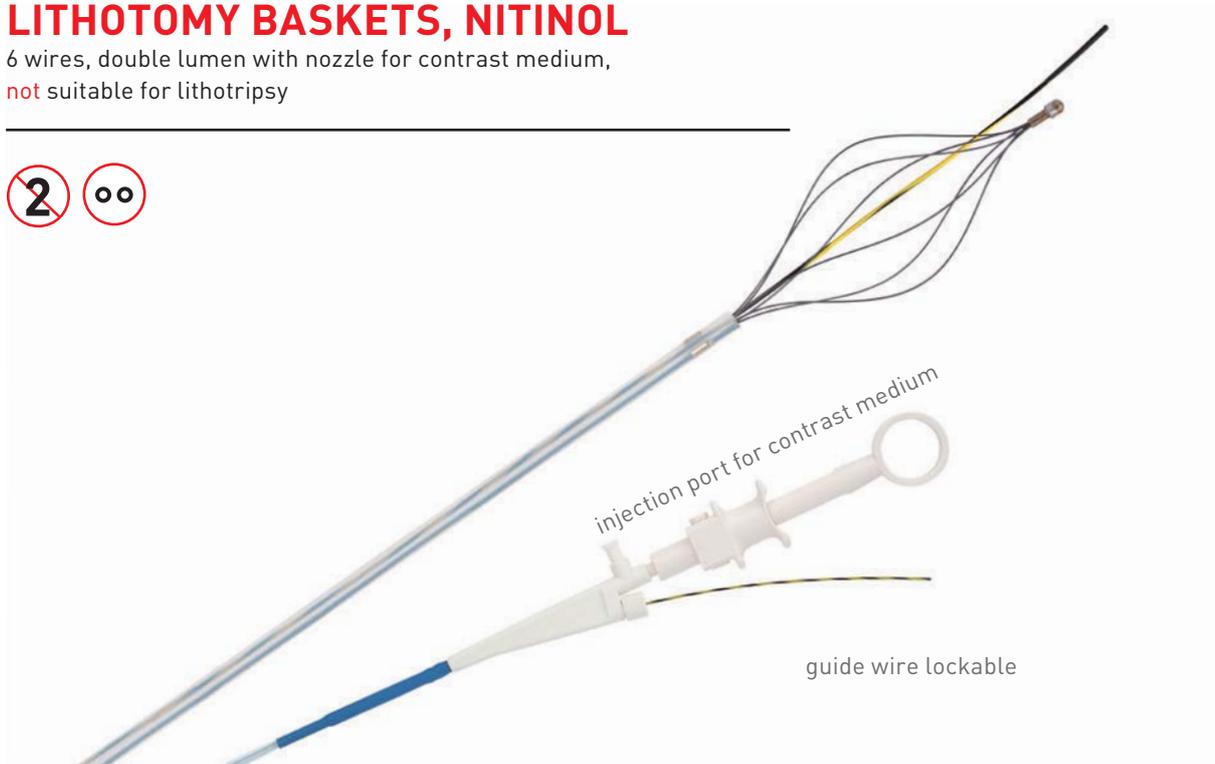


Article no.	Basket expanded dimension mm		Basket type	Diameter mm	Length cm
	Opening width	Opening length			
99 03 12 23 03	15	25	turned	1,8	215
99 03 12 24 03	20	30	turned	1,8	215
99 03 12 25 03	25	40	turned	1,8	215
99 03 12 26 03	30	45	turned	1,8	215
99 03 12 27 03	35	55	turned	1,8	215
99 03 12 33 03	15	25	turned	2,3	215
99 03 12 34 03	20	30	turned	2,3	215
99 03 12 35 03	25	40	turned	2,3	215
99 03 12 36 03	30	45	turned	2,3	215
99 03 12 37 03	35	55	turned	2,3	215

Figure shows article REF 99 03 12 36 03

LITHOTOMY BASKETS, NITINOL

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



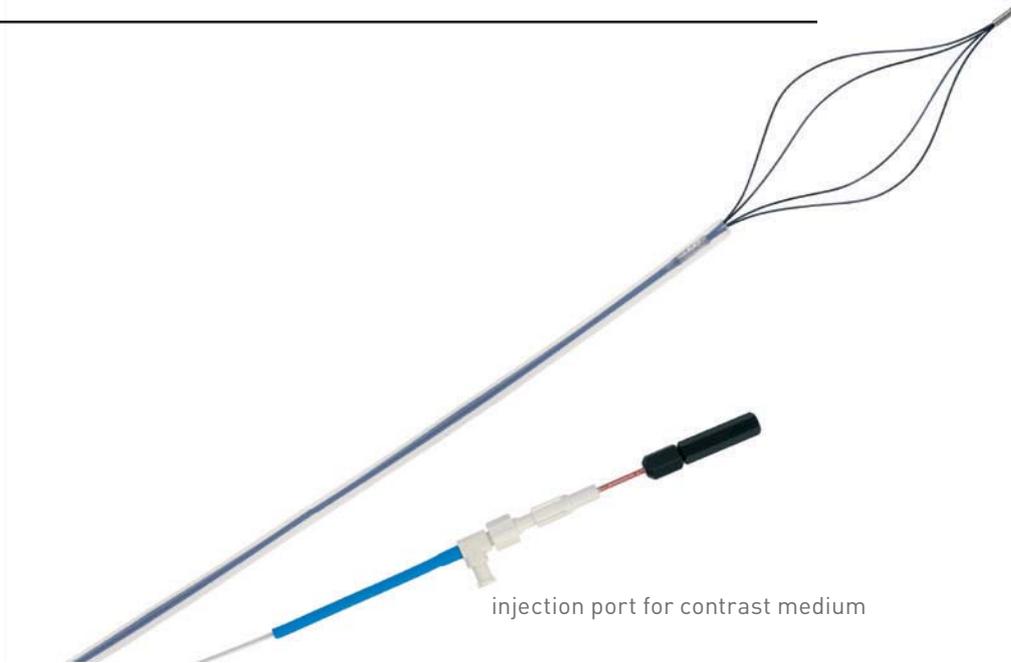
Article no.	Basket expanded dimension mm		Basket type	For guide wire inch	Diameter mm	Length cm
	Opening width	Opening length				
99 03 11 63 32	15	25	turned	0.035	2,7	215
99 03 11 64 32	20	30	turned	0.035	2,7	215
99 03 11 65 32	25	40	turned	0.035	2,7	215

Figure shows article 99 03 11 64 32

LITHOTOMY BASKET „MICRO-CATCH“, NITINOL

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

2



injection port for contrast medium

Article no.	Basket expanded dimension mm		Basket type	Diameter mm	Length cm
	Opening width	Opening length			
99 03 12 11 02	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

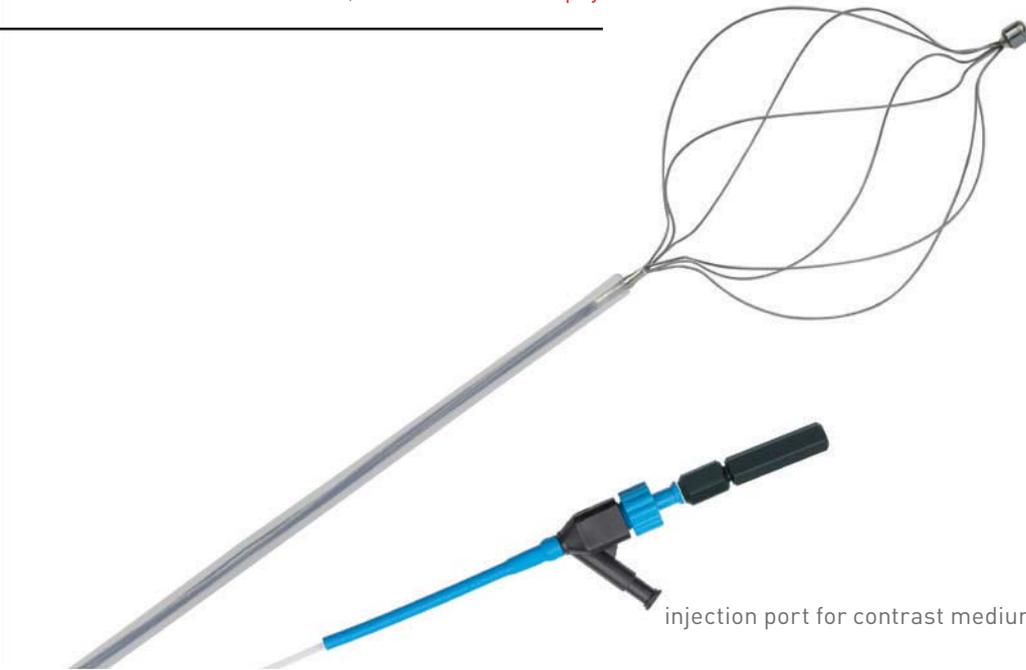
2



Article no.	Basket expanded dimension mm		Basket type	Guide wire for ERCP- catheter inch	Diameter Basket mm	Diameter ERCP-catheter mm	Length cm
	Opening width	Opening length					
99 03 12 12 09	15	30	straight	0.035	1,0	2,3	200

LITHOTOMY BASKET

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

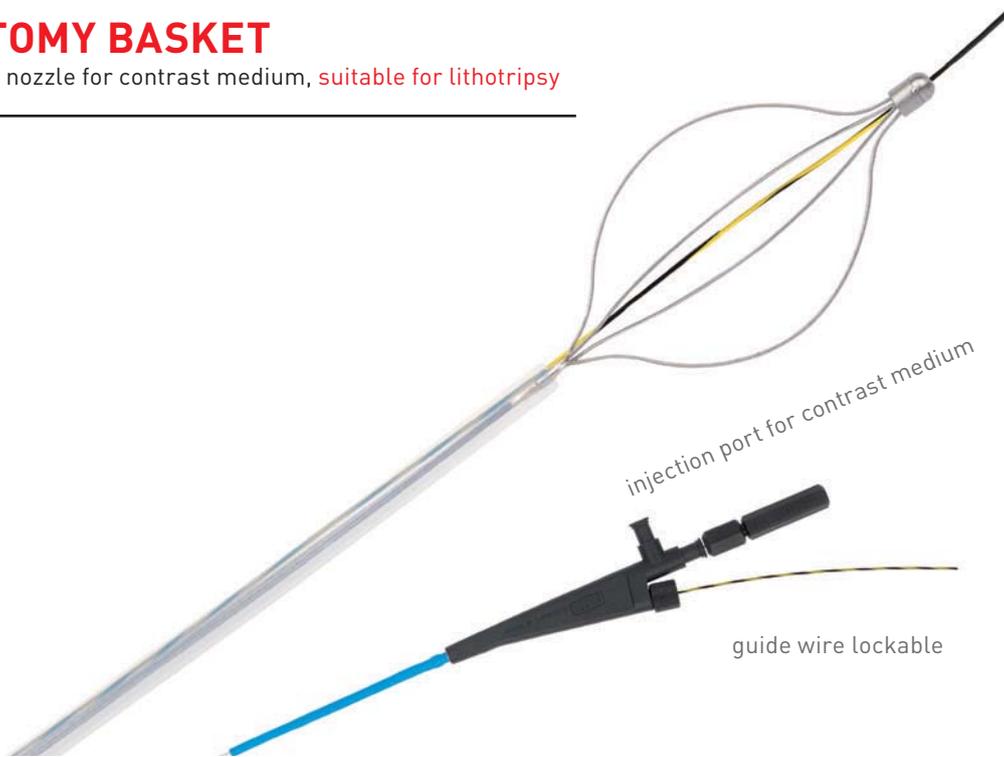


injection port for contrast medium

Article no.	Basket expanded dimension mm		Basket type	Basket wire	Diameter mm	Length cm
	Opening width	Opening length				
03 12 37 04	35	50	slightly turned	twisted	2,6	215

LITHOTOMY BASKET

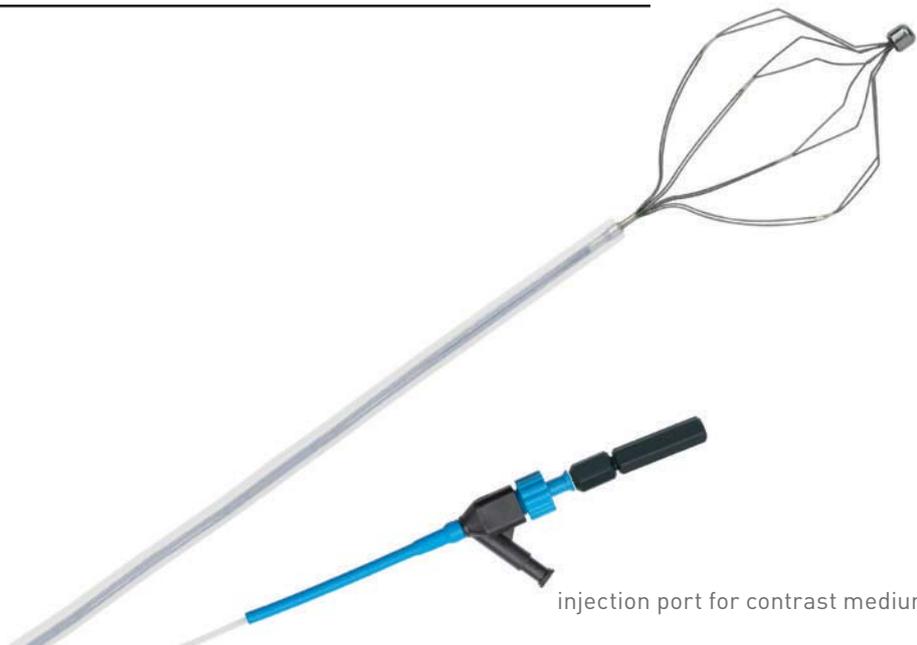
4 wires, with nozzle for contrast medium, suitable for lithotripsy



Article no.	Basket expanded dimension mm		Basket type	Basket wire	For guide wire inch	Diameter mm	Length cm
	Opening width	Opening length					
03 14 44 34	20	30	round	twisted	0.035	2,6	215

LITHOTOMY BASKET

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



injection port for contrast medium

Article no.	Basket expanded dimension mm		Basket wire	Diameter mm	Length cm
	Opening width	Opening length			
03 11 36 08	30	45	twisted	2,6	215

LITHOTOMY BASKETS

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



application over placed
guide wire

guide wire lockable

Article no.	Basket expanded dimension mm		Basket type	Basket wire	For guide wire inch	Diameter mm	Length cm
	Opening width	Opening length					
03 11 23 24	15	25	diamond shaped	twisted	0.025	1,8	215
03 11 24 24	20	30	diamond shaped	twisted	0.025	1,8	215
03 11 25 24	25	40	diamond shaped	twisted	0.025	1,8	215
03 11 26 24	30	45	diamond shaped	twisted	0.025	1,8	215
03 11 27 24	40	55	diamond shaped	twisted	0.025	1,8	215
03 11 44 34	20	30	diamond shaped	twisted	0.035	2,6	215
03 11 45 34	25	40	diamond shaped	twisted	0.035	2,6	215
03 11 46 34	30	45	diamond shaped	twisted	0.035	2,6	215
03 11 47 34	40	55	diamond shaped	twisted	0.035	2,6	215
03 11 48 34	45	60	diamond shaped	twisted	0.035	2,6	215

Figure shows article REF 03 11 46 34





123 Stonecrusher

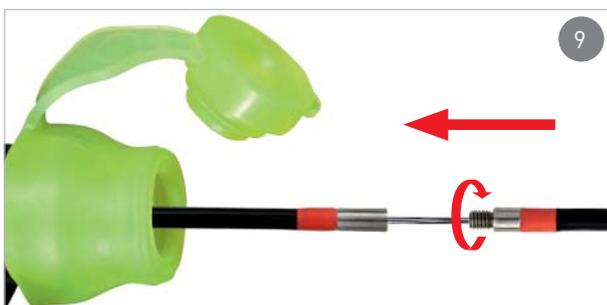
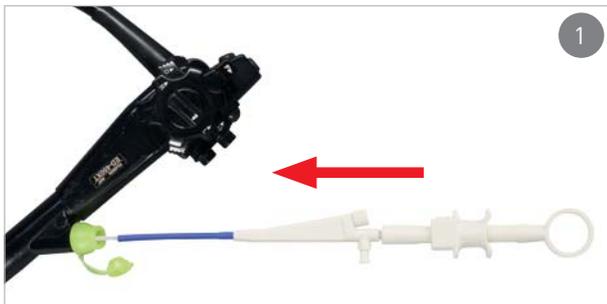
Transendoscopic stone crushing latest generation

TEL
TRANSENDOSCOPIC
LITHOTRIPSY

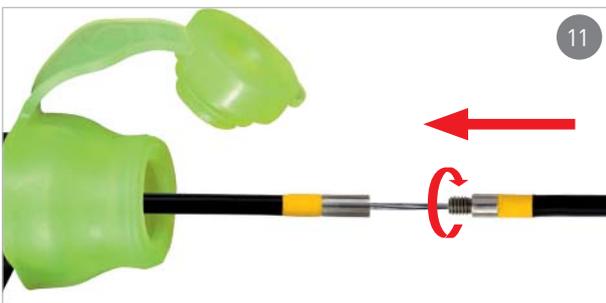
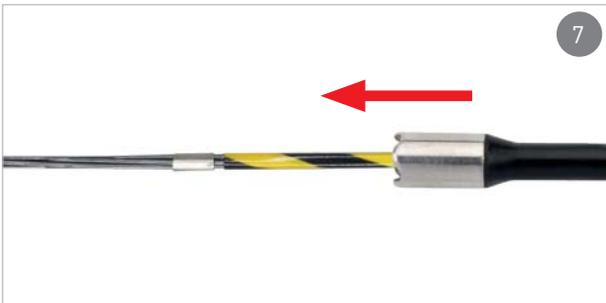
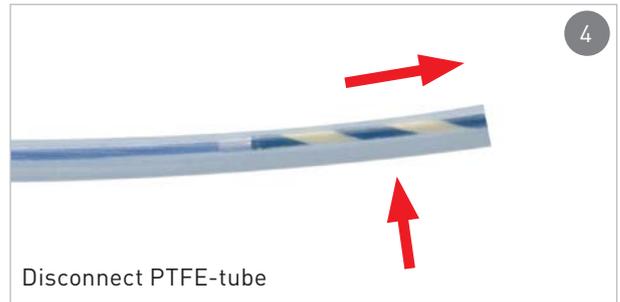


The principle of the transendoscopic lithotripsy in three steps

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 \approx >215 cm).
An emergency lithotripsy without endoscopy is thus generally avoided.



IN THREE STEPS

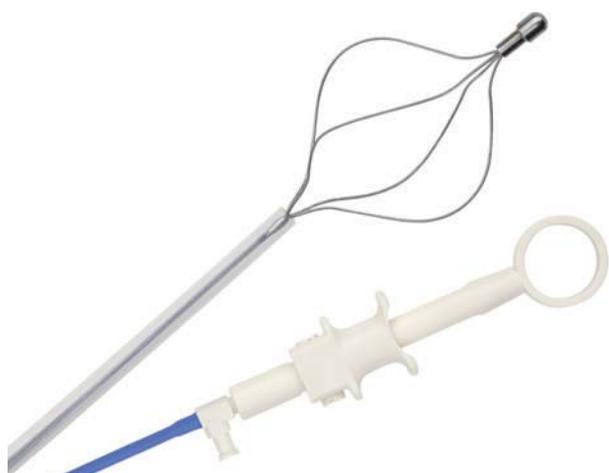


STARTER-KIT COMPLETE SET



Article no.	Product description (see also tables below)
99 03 31 66 09	Starter-Kit (4-part set) consisting of:
99 03 10 36 04	Lithotomy basket, „Easy-Catch“
99 03 16 36 32	Lithotomy basket, „Power-Catch“, Nitinol
99 03 37	Metal tube, 3-part
03 35	Handle for lithotripter

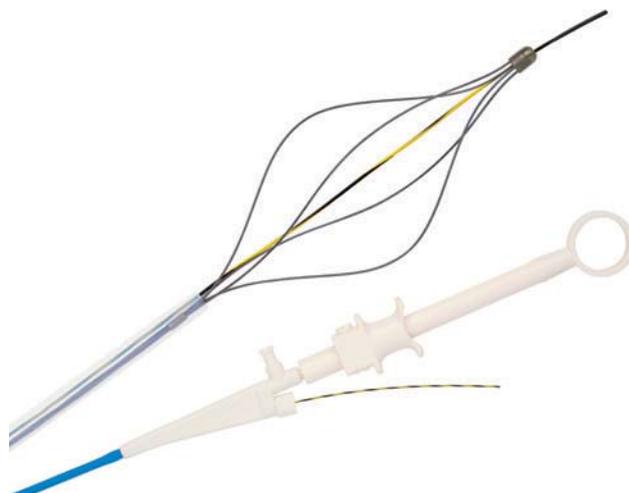
The set components for follow-up orders:



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		
99 03 10 36 04	30	45	2,6	215



Lithotomy basket, „Power-Catch“

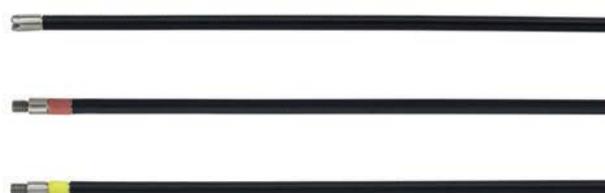
Nitinol, with nozzle for contrast medium, for guide wire 0.035 inch, suitable for lithotripsy

Article no.	Basket expanded dimension mm		Ø mm	Length cm
	Opening width	Opening length		
99 03 16 36 32	30	45	2,9	215



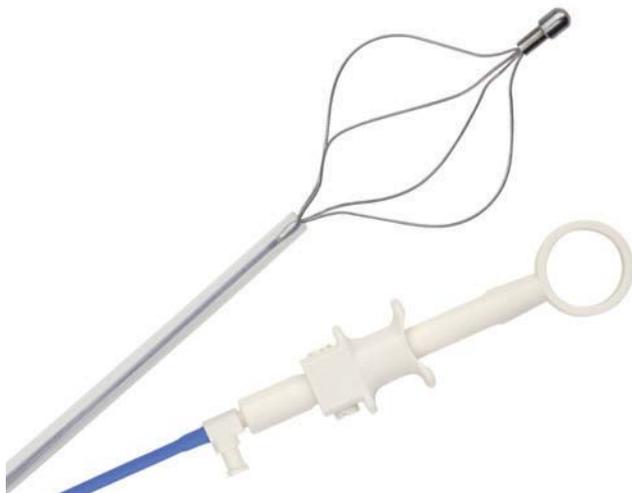
Handle for lithotripter

Article no.	
03 35	mit LL-connector



Metal tube, 3-part

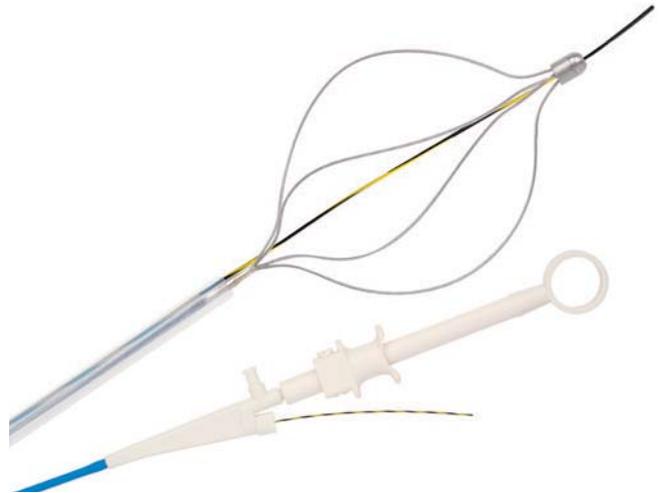
Article no.		Diameter mm	Length cm
99 03 37	3-part	3,1	170



Lithotomy baskets, „Easy-Catch“

with nozzle for contrast medium, suitable for lithotripsy

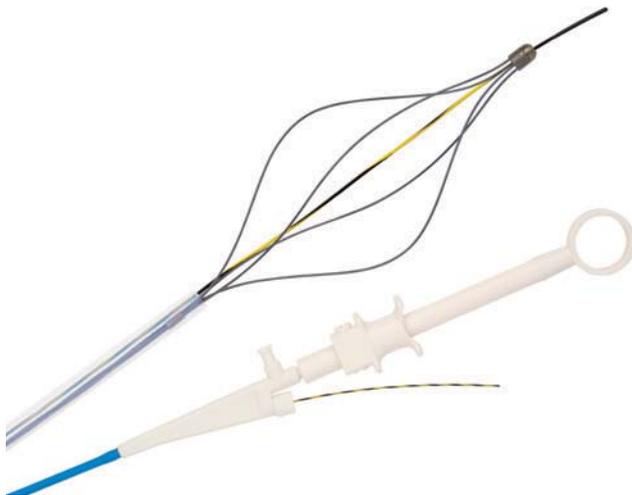
Article no.	Basket expanded dimension mm		Ø mm	Length cm
	Opening width	Opening length		
99 03 10 34 04	20	30	2,6	215
99 03 10 35 04	25	40	2,6	215
99 03 10 36 04	30	45	2,6	215
99 03 10 37 04	40	55	2,6	215
99 03 10 38 04	45	60	2,6	215



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		
99 03 10 44 33	20	30	2,6	215
99 03 10 45 33	25	40	2,6	215
99 03 10 46 33	30	45	2,6	215
99 03 10 47 33	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
	Opening width	Opening length		
99 03 16 34 32	25	40	2,9	215
99 03 16 36 32	30	45	2,9	215
99 03 16 38 32	40	55	2,9	215



Emergency metal tube

with LL-connector

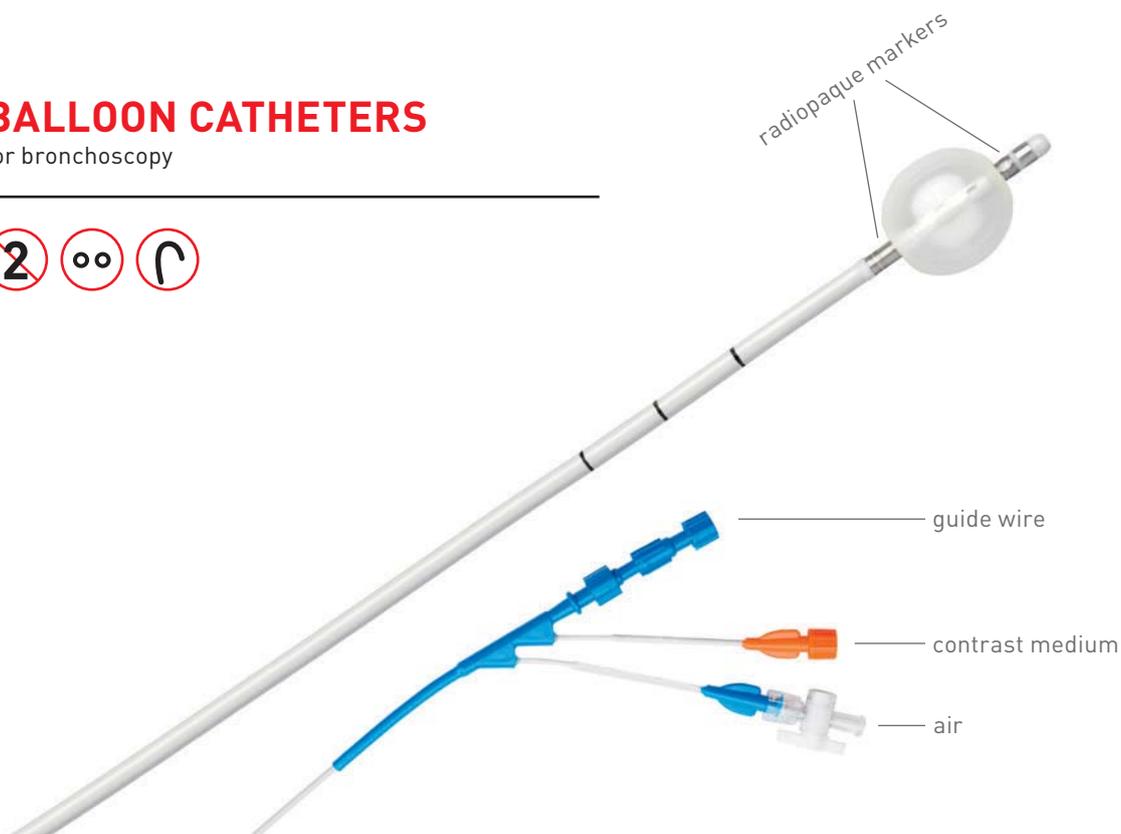
Article no.	Diameter mm	Length cm
99 03 30 7	3,8	100

BALLOON CATHETERS



BALLOON CATHETERS

for bronchoscopy

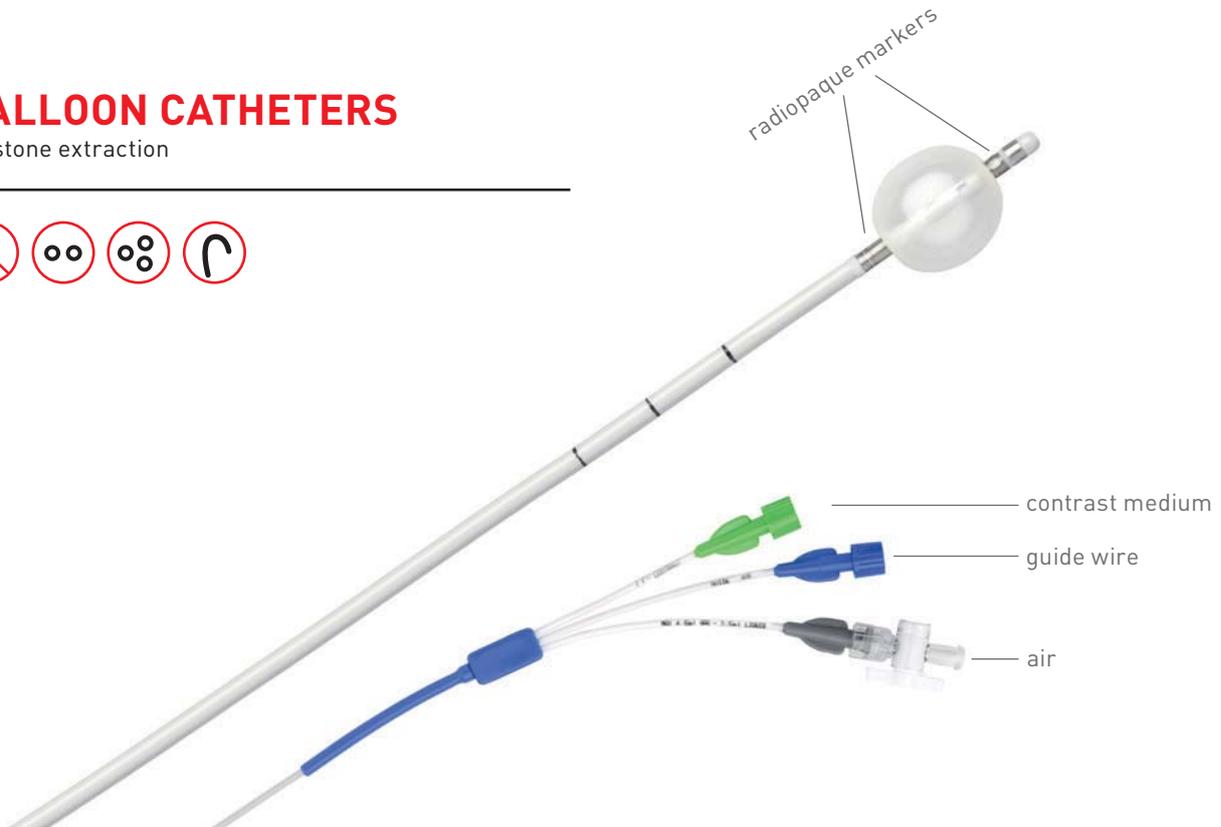


Article no.	Balloon ø mm	Description	For guide wire inch	Diameter Ch.	Length cm
11 03 20 51 20	12	double lumen, grey catheter	0.025	5	100
11 03 20 72 30	16	double lumen, grey catheter	0.035	5	100

Figure shows article REF 11 03 20 72 30

BALLOON CATHETERS

for stone extraction



Article no.	Balloon ø mm	Description	For guide wire inch	Diameter Ch.	Length cm
03 20 51 20	12	double lumen, grey catheter	0.025	5	200
03 20 72 30	16	double lumen, grey catheter	0.035	7	200
03 20 72 32	16	double lumen, grey catheter, tapered	0.035	7 > 5	200
03 20 73 30	18	double lumen, grey catheter	0.035	7	200
03 20 72 36	16	triple-lumen, grey catheter	0.035	7	200
03 20 72 36 LF	16	triple-lumen, grey catheter, latexfree	0.035	7	200
03 26 72 32	16	triple-lumen, transparent catheter, tapered	0.035	7 > 5	200
03 26 72 33	16	triple-lumen, transparent catheter	0.035	7	200
13 03 26 72 33	16	triple-lumen, transparent catheter	0.035	7	250

Figure shows article REF 03 20 72 36

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

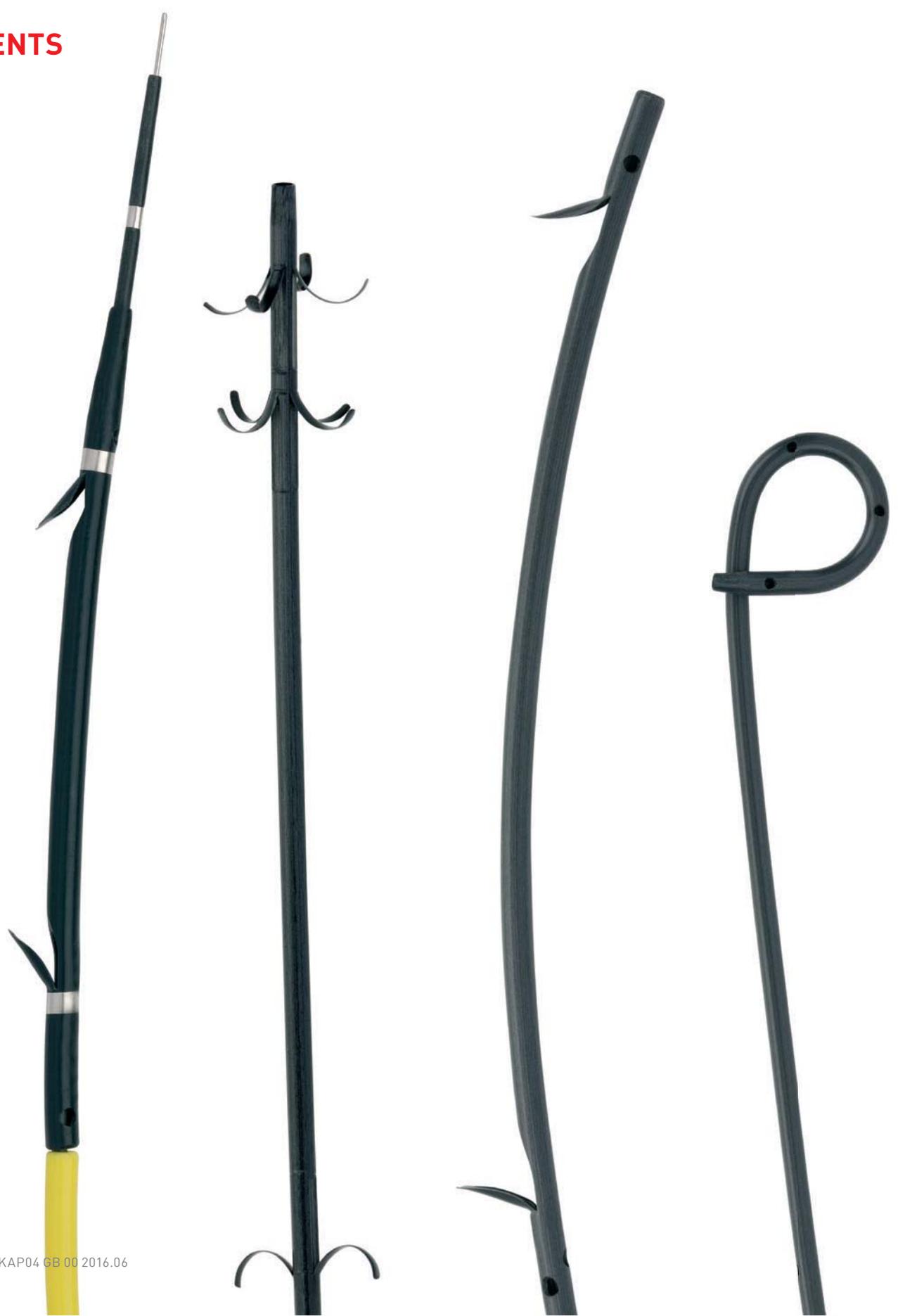
STENT-SETS

CYST DRAINAGE SETS

RING KNIFE SET

DPOC-GUIDING CATHETER

STENTS



STENTS

Pancreas, PTFE



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 3		
04 30 30 10 03	30	50
04 30 30 10 05	50	70
04 30 30 10 07	70	90
04 30 30 10 09	90	110

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 7		
04 30 70 10 03	30	50
04 30 70 10 05	50	70
04 30 70 10 07	70	90
04 30 70 10 09	90	110

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 5		
04 30 50 10 03	30	50
04 30 50 10 05	50	70
04 30 50 10 07	70	90
04 30 50 10 09	90	110

STENTS

straight, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 5		
04 00 50 10 03	30	50
04 00 50 10 05	50	70
04 00 50 10 07	70	90
04 00 50 10 10	100	120
04 00 50 10 13	130	150

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 7		
04 00 70 10 03	30	50
04 00 70 10 04	40	60
04 00 70 10 05	50	70
04 00 70 10 06	60	80
04 00 70 10 07	70	90
04 00 70 10 08	80	100
04 00 70 10 09	90	110
04 00 70 10 10	100	120
04 00 70 10 11	110	130
04 00 70 10 12	120	140
04 00 70 10 13	130	150
04 00 70 10 15	150	170

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
04 00 80 10 03	30	50
04 00 80 10 04	40	60
04 00 80 10 05	50	70
04 00 80 10 06	60	80
04 00 80 10 07	70	90
04 00 80 10 08	80	100
04 00 80 10 09	90	110
04 00 80 10 10	100	120
04 00 80 10 11	110	130
04 00 80 10 12	120	140
04 00 80 10 13	130	150
04 00 80 10 15	150	170

STENTS

straight, PTFE



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
04 01 00 10 03	30	50
04 01 00 10 04	40	60
04 01 00 10 05	50	70
04 01 00 10 06	60	80
04 01 00 10 07	70	90
04 01 00 10 08	80	100
04 01 00 10 09	90	110
04 01 00 10 10	100	120
04 01 00 10 11	110	130
04 01 00 10 12	120	140
04 01 00 10 13	130	150
04 01 00 10 15	150	170

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 11,5		
04 01 10 10 03	30	50
04 01 10 10 04	40	60
04 01 10 10 05	50	70
04 01 10 10 06	60	80
04 01 10 10 07	70	90
04 01 10 10 08	80	100
04 01 10 10 09	90	110
04 01 10 10 10	100	120
04 01 10 10 11	110	130
04 01 10 10 12	120	140
04 01 10 10 13	130	150
04 01 10 10 15	150	170

STENTS

straight, with platinum ring, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 7		
04 20 70 10 03	30	50
04 20 70 10 04	40	60
04 20 70 10 05	50	70
04 20 70 10 06	60	80
04 20 70 10 07	70	90
04 20 70 10 08	80	100
04 20 70 10 09	90	110
04 20 70 10 10	100	120
04 20 70 10 11	110	130
04 20 70 10 12	120	140
04 20 70 10 13	130	150

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
04 20 80 10 03	30	50
04 20 80 10 04	40	60
04 20 80 10 05	50	70
04 20 80 10 06	60	80
04 20 80 10 07	70	90
04 20 80 10 08	80	100
04 20 80 10 09	90	110
04 20 80 10 10	100	120
04 20 80 10 11	110	130
04 20 80 10 12	120	140
04 20 80 10 13	130	150
04 20 80 10 15	150	170

STENTS

straight, with platinum ring, PTFE



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
04 21 00 10 03	30	50
04 21 00 10 04	40	60
04 21 00 10 05	50	70
04 21 00 10 06	60	80
04 21 00 10 07	70	90
04 21 00 10 08	80	100
04 21 00 10 09	90	110
04 21 00 10 10	100	120
04 21 00 10 11	110	130
04 21 00 10 12	120	140
04 21 00 10 13	130	150
04 21 00 10 15	150	170

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 11,5		
04 21 10 10 03	30	50
04 21 10 10 04	40	60
04 21 10 10 05	50	70
04 21 10 10 06	60	80
04 21 10 10 07	70	90
04 21 10 10 08	80	100
04 21 10 10 09	90	110
04 21 10 10 10	100	120
04 21 10 10 11	110	130
04 21 10 10 12	120	140
04 21 10 10 13	130	150

STENTS

straight, with two platinum rings and sideholes, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
04 10 80 10 12	120	140
04 10 80 10 13	130	150
04 10 80 10 15	150	170
04 10 80 10 16	160	180

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
04 11 00 10 12	120	140
04 11 00 10 13	130	150
04 11 00 10 15	150	170
04 11 00 10 16	160	180

STENTS

centrally bent, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
04 70 80 10 05	50	70
04 70 80 10 07	70	90
04 70 80 10 10	100	120
04 70 80 10 13	130	150
04 70 80 10 15	150	170

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
04 71 00 10 05	50	70
04 71 00 10 07	70	90
04 71 00 10 10	100	120
04 71 00 10 13	130	150
04 71 00 10 15	150	170

STENTS

duodenally bent, PTFE

2



Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 8,5		
04 90 80 10 05	50	70
04 90 80 10 07	70	90
04 90 80 10 10	100	120
04 90 80 10 13	130	150
04 90 80 10 15	150	170

Article no.	Stent dimension	
	Length between flaps mm	Total length mm
Ch. 10		
04 91 00 10 05	50	70
04 91 00 10 07	70	90
04 91 00 10 10	100	120
04 91 00 10 13	130	150
04 91 00 10 15	150	170

STENTS

10-Flap, straight, PTFE



Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 7		
04 00 70 20 05	50	75
04 00 70 20 07	70	95
04 00 70 20 09	90	115
04 00 70 20 12	120	145

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 10		
04 01 00 20 05	50	75
04 01 00 20 07	70	95
04 01 00 20 09	90	115
04 01 00 20 12	120	145

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 8,5		
04 00 80 20 05	50	75
04 00 80 20 07	70	95
04 00 80 20 09	90	115
04 00 80 20 12	120	145

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 11,5		
04 01 10 20 05	50	75
04 01 10 20 07	70	95
04 01 10 20 09	90	115
04 01 10 20 12	120	145

STENTS

pigtail, PTFE

2

side holes —



Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 7		
04 00 70 30 05	50	70
04 00 70 30 07	70	90
04 00 70 30 09	90	110
04 00 70 30 12	120	140

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 8,5		
04 00 80 30 05	50	70
04 00 80 30 07	70	90
04 00 80 30 09	90	110
04 00 80 30 12	120	140

STENTS

double pigtail, PTFE

2



Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 7		
04 00 70 40 05	50	80
04 00 70 40 07	70	100
04 00 70 40 09	90	120
04 00 70 40 12	120	150

Article no.	Stent dimension	
	Straight part mm	Total length mm
Ch. 8,5		
04 00 80 40 05	50	90
04 00 80 40 07	70	110
04 00 80 40 09	90	130
04 00 80 40 12	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
04 40 51 0	5	220	8,5	8,5	1	0.035
04 10 51 0	5	220	8,5	8,5	3	0.035
04 10 51 1	5	320	8,5	8,5	3	0.035
04 40 71 0	6	220	10	10 / 11,5	1	0.035
04 10 71 0	6	220	10	10 / 11,5	3	0.035
04 10 71 1	6	320	10	10 / 11,5	3	0.035

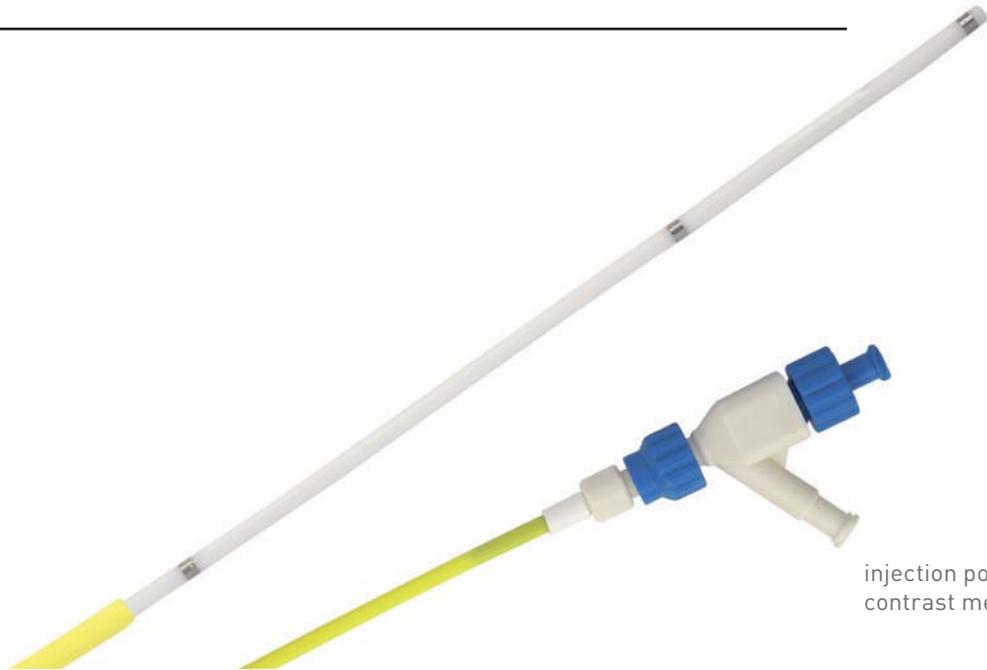
Pushers:

Article no.	Diameter Ch.	Total length cm	Suitable for Guiding catheters Ch.	Suitable for stents Ch.	Suitable guide wire inch
04 00 31 7	3	175	---	3	0.018
04 10 51 7	5	175	---	5	0.035
04 13 51 7	5	250	---	5	0.035
04 10 71 7	7	175	---	7	0.035
04 13 71 7	7	250	---	7	0.035
04 10 81 7	8,5	175	5	8,5	0.035
04 11 01 7	10	175	6	10 / 11,5	0.035

Figure shows article REF 04 10 51 0, 04 10 81 7

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

2



injection port for contrast medium

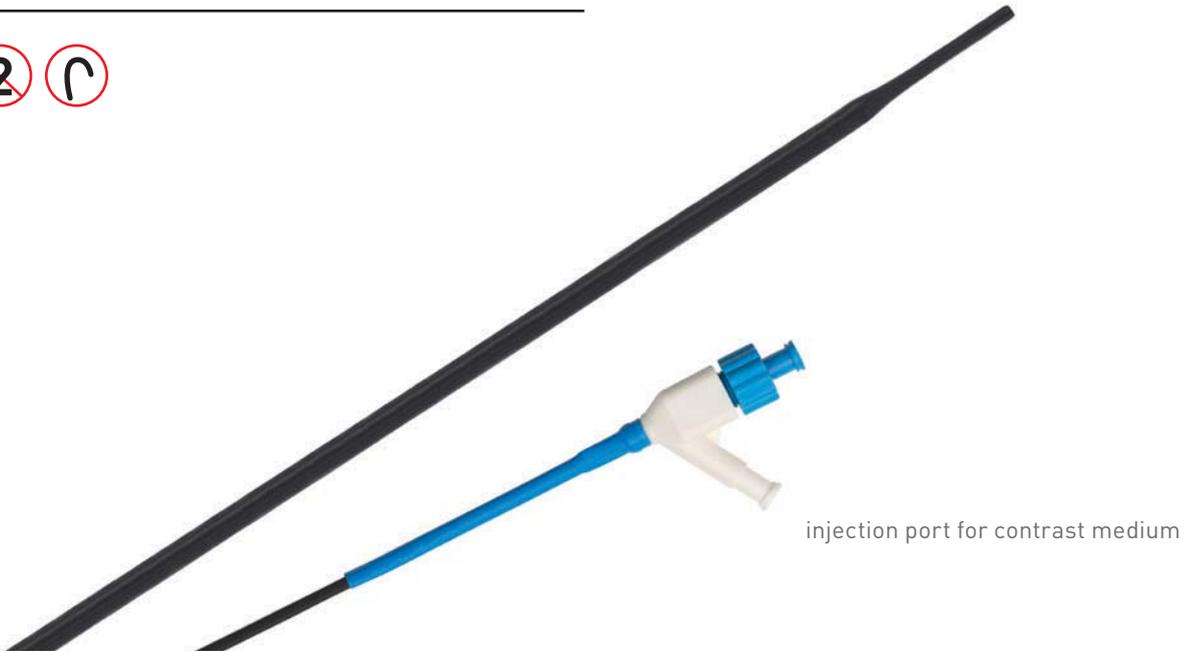
Article no.	Diameter guiding catheter Ch.	Diameter Pusher Ch.	Length of introducer system cm	Suitable for stents Ch.	Number of platinum rings	Suitable guide wire inch
04 09 81 8	5	8,5	190	8,5	1	0.035
04 10 81 8 *)	5	8,5	205	8,5	3	0.035
04 11 81 8 *)	5	8,5	230	8,5	1	0.035
04 13 81 8 *)	5	8,5	260	8,5	3	0.035
04 09 81 9	6	10	190	10 / 11,5	1	0.035
04 10 81 9 *)	6	10	205	10 / 11,5	3	0.035
04 11 81 9 *)	6	10	230	10 / 11,5	1	0.035

Figure shows article REF 04 10 81 9

*) Jet-Set

DILATATION CATHETERS

for guide wire, guide wire lockable



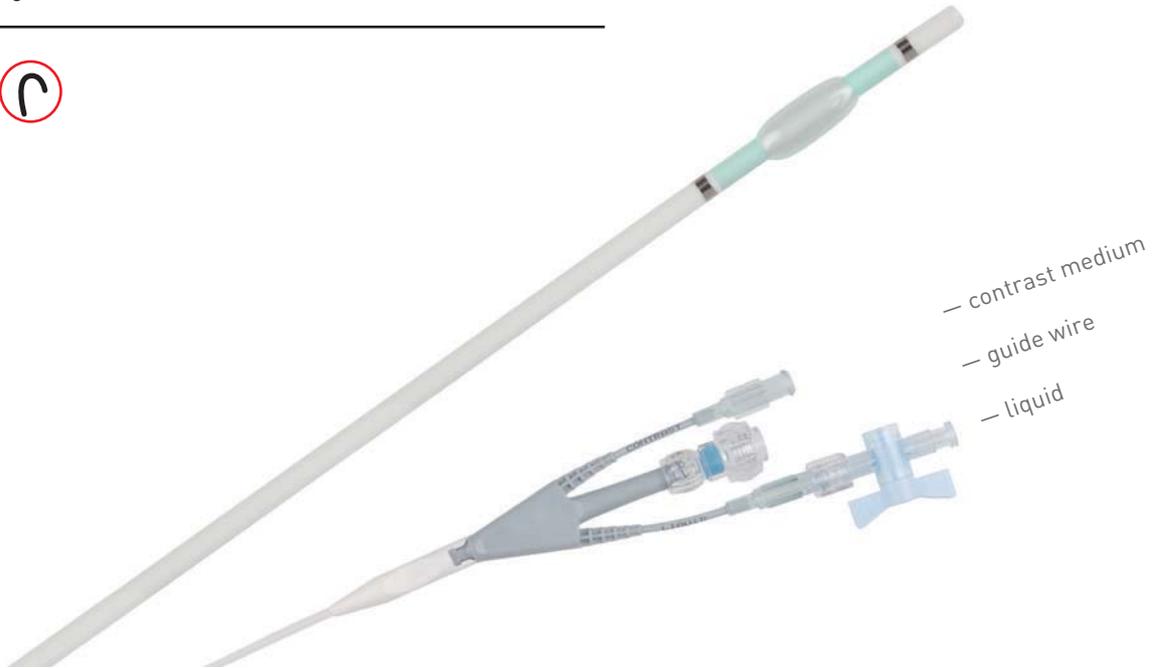
injection port for contrast medium

Article no.	Special features	For guide wireinch	Diameter Ch.	Length cm
99 04 10 50 02 00	---	0.035	5	200
99 04 10 70 02 00	with inside metal ring	0.035	7	200
99 04 10 80 02 00	with inside metal ring	0.035	8	200
99 04 10 90 02 00	with inside metal ring	0.035	9	200
99 04 11 00 02 00	with inside metal ring	0.035	10	200
99 04 11 20 02 00	with inside metal ring	0.035	12	200

Figure shows article REF 99 04 11 00 02 00

EXTRACTION CATHETERS

for straight stents



Article no.	Diameter balloon catheter Ch.	Maximum capacity of balloon ml	Diameter Pusher Ch.	Length cm	Suitable for stents Ch.	Suitable guide wire inch
04 12 81 8	5	0,8	8,5	220	8,5	0.035
04 12 81 9	6	0,8	10	220	10	0.035

Figure shows article REF 04 12 81 8

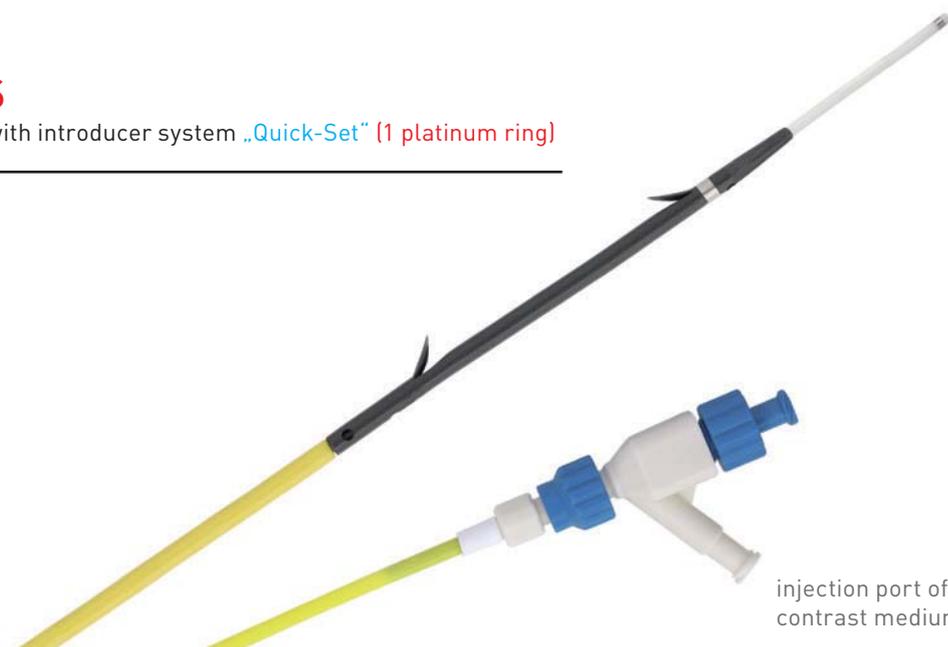
STENT-SETS



STENT-SETS

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

2

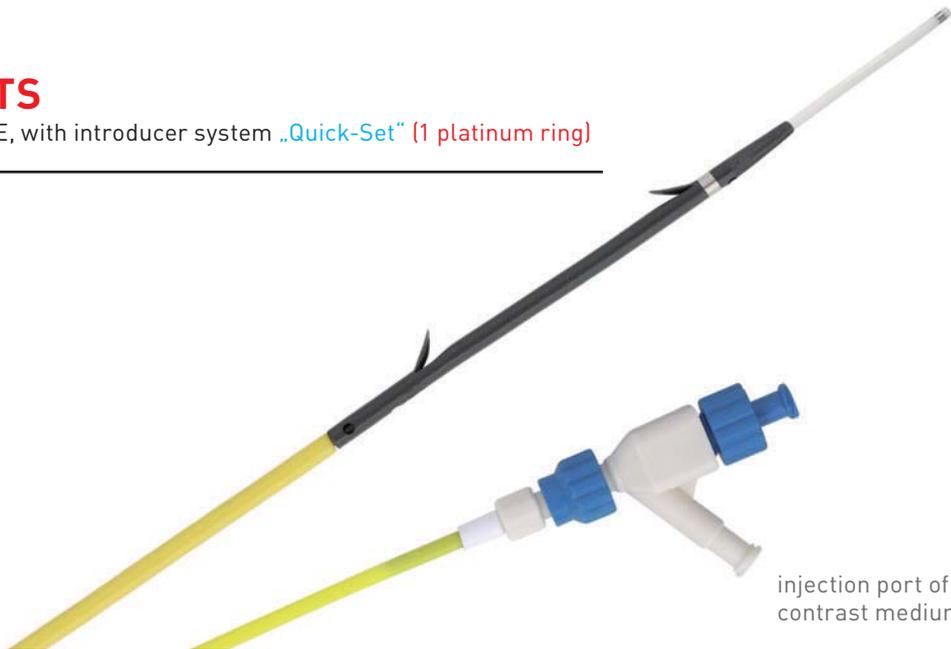


injection port of contrast medium

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						
04 20 80 10 03 QS	30	50	8,5	8,5	190	0.035
04 20 80 10 04 QS	40	60	8,5	8,5	190	0.035
04 20 80 10 05 QS	50	70	8,5	8,5	190	0.035
04 20 80 10 06 QS	60	80	8,5	8,5	190	0.035
04 20 80 10 07 QS	70	90	8,5	8,5	190	0.035
04 20 80 10 08 QS	80	100	8,5	8,5	190	0.035
04 20 80 10 09 QS	90	110	8,5	8,5	190	0.035
04 20 80 10 10 QS	100	120	8,5	8,5	190	0.035
04 20 80 10 11 QS	110	130	8,5	8,5	190	0.035
04 20 80 10 12 QS	120	140	8,5	8,5	190	0.035
04 20 80 10 13 QS	130	150	8,5	8,5	190	0.035
04 20 80 10 14 QS	140	160	8,5	8,5	190	0.035
04 20 80 10 15 QS	150	170	8,5	8,5	190	0.035
04 20 80 10 16 QS	160	180	8,5	8,5	190	0.035
04 20 80 10 17 QS	170	190	8,5	8,5	190	0.035
04 20 80 10 18 QS	180	200	8,5	8,5	190	0.035

STENT-SETS

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



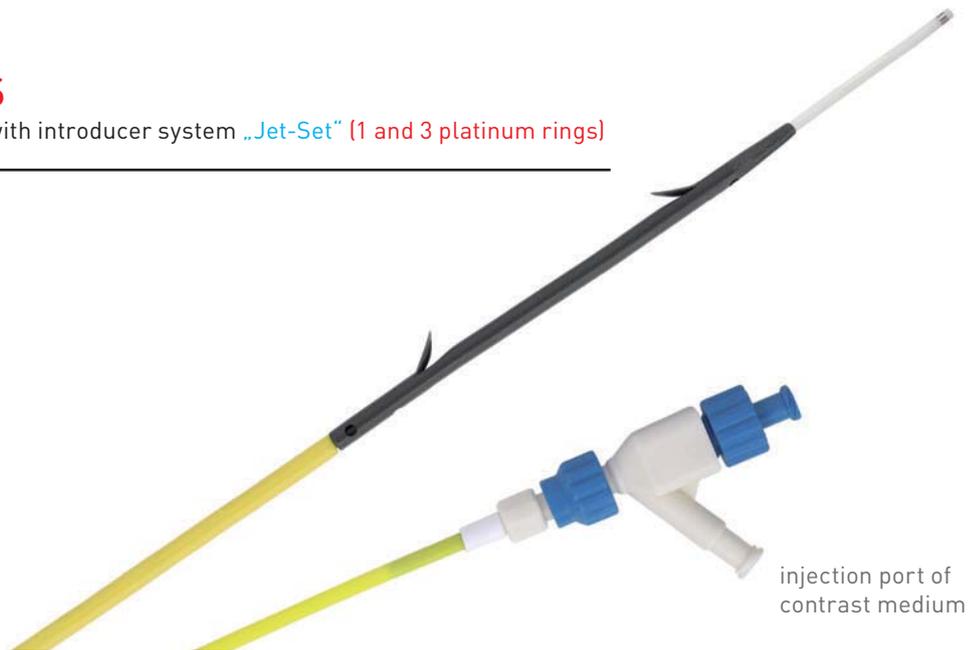
injection port of
contrast medium

Article no.	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. 10						
04 21 00 10 03 QS	30	50	10	10	190	0.035
04 21 00 10 04 QS	40	60	10	10	190	0.035
04 21 00 10 05 QS	50	70	10	10	190	0.035
04 21 00 10 06 QS	60	80	10	10	190	0.035
04 21 00 10 07 QS	70	90	10	10	190	0.035
04 21 00 10 08 QS	80	100	10	10	190	0.035
04 21 00 10 09 QS	90	110	10	10	190	0.035
04 21 00 10 10 QS	100	120	10	10	190	0.035
04 21 00 10 11 QS	110	130	10	10	190	0.035
04 21 00 10 12 QS	120	140	10	10	190	0.035
04 21 00 10 13 QS	130	150	10	10	190	0.035
04 21 00 10 14 QS	140	160	10	10	190	0.035
04 21 00 10 15 QS	150	170	10	10	190	0.035
04 21 00 10 16 QS	160	180	10	10	190	0.035
04 21 00 10 17 QS	170	190	10	10	190	0.035
04 21 00 10 18 QS	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							
04 00 70 10 03 JS	30	50	7	7	205	0.035	1 *)
04 00 70 10 05 JS	50	70	7	7	205	0.035	1 *)
04 00 70 10 07 JS	70	90	7	7	205	0.035	1 *)
04 00 70 10 10 JS	100	120	7	7	205	0.035	1 *)
04 00 70 10 13 JS	130	150	7	7	205	0.035	1 *)
04 00 70 10 15 JS	150	170	7	7	205	0.035	1 *)
04 13 70 10 03 JS	30	50	7	7	260	0.035	1 *)
04 13 70 10 05 JS	50	70	7	7	260	0.035	1 *)
04 13 70 10 07 JS	70	90	7	7	260	0.035	1 *)
04 13 70 10 10 JS	100	120	7	7	260	0.035	1 *)
04 13 70 10 13 JS	130	150	7	7	260	0.035	1 *)
Ch. 8,5							
04 00 80 10 03 JS	30	50	8,5	8,5	205	0.035	3
04 00 80 10 05 JS	50	70	8,5	8,5	205	0.035	3
04 00 80 10 07 JS	70	90	8,5	8,5	205	0.035	3
04 00 80 10 10 JS	100	120	8,5	8,5	205	0.035	3
04 00 80 10 13 JS	130	150	8,5	8,5	205	0.035	3
04 00 80 10 15 JS	150	170	8,5	8,5	205	0.035	3
04 00 80 10 16 JS	160	180	8,5	8,5	205	0.035	3
04 00 80 10 17 JS	170	190	8,5	8,5	205	0.035	3
04 00 80 10 18 JS	180	200	8,5	8,5	205	0.035	3

*) guiding catheter with inside guiding catheter

STENT-SETS

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



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							
04 01 00 10 03 JS	30	50	10	10	205	0.035	3
04 01 00 10 05 JS	50	70	10	10	205	0.035	3
04 01 00 10 07 JS	70	90	10	10	205	0.035	3
04 01 00 10 10 JS	100	120	10	10	205	0.035	3
04 01 00 10 13 JS	130	150	10	10	205	0.035	3
04 01 00 10 15 JS	150	170	10	10	205	0.035	3
04 01 00 10 16 JS	160	180	10	10	205	0.035	3
04 01 00 10 17 JS	170	190	10	10	205	0.035	3
04 01 00 10 18 JS	180	200	10	10	205	0.035	3
Ch. 11,5							
04 01 10 10 03 JS	30	50	11,5	10	205	0.035	3
04 01 10 10 05 JS	50	70	11,5	10	205	0.035	3
04 01 10 10 07 JS	70	90	11,5	10	205	0.035	3
04 01 10 10 10 JS	100	120	11,5	10	205	0.035	3
04 01 10 10 13 JS	130	150	11,5	10	205	0.035	3
04 01 10 10 15 JS	150	170	11,5	10	205	0.035	3
04 01 10 10 16 JS	160	180	11,5	10	205	0.035	3
04 01 10 10 17 JS	170	190	11,5	10	205	0.035	3
04 01 10 10 18 JS	180	200	11,5	10	205	0.035	3

STENT-SETS „GPAK“



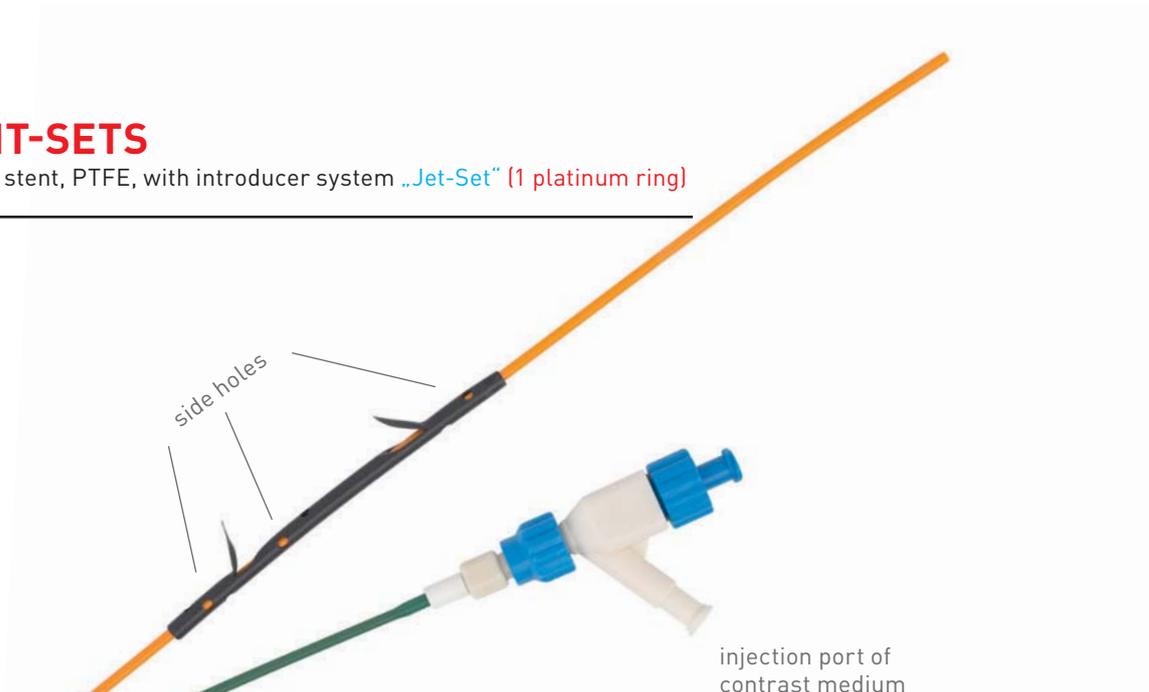
Article no.	Stent dimension			Introducer system dimension			Maximum capacity of balloon ml	Suitable guide wire inch
	Length between flaps mm	Total length mm	Diameter Ch.	Diameter ballon Ch.	Diameter pusher Ch.	Total length cm		
04 20 80 10 03 G	30	50	8,5	5	8,5	220	0,8	0.035
04 20 80 10 05 G	50	70	8,5	5	8,5	220	0,8	0.035
04 20 80 10 07 G	70	90	8,5	5	8,5	220	0,8	0.035
04 20 80 10 10 G	100	120	8,5	5	8,5	220	0,8	0.035
04 20 80 10 13 G	130	150	8,5	5	8,5	220	0,8	0.035
04 20 80 10 15 G	150	170	8,5	5	8,5	220	0,8	0.035
04 21 00 10 03 G	30	50	10	6	10	220	0,8	0.035
04 21 00 10 05 G	50	70	10	6	10	220	0,8	0.035
04 21 00 10 07 G	70	90	10	6	10	220	0,8	0.035
04 21 00 10 10 G	100	120	10	6	10	220	0,8	0.035
04 21 00 10 13 G	130	150	10	6	10	220	0,8	0.035
04 21 00 10 15 G	150	170	10	6	10	220	0,8	0.035

Figure shows article REF 04 20 80 10 15 G

STENT-SETS

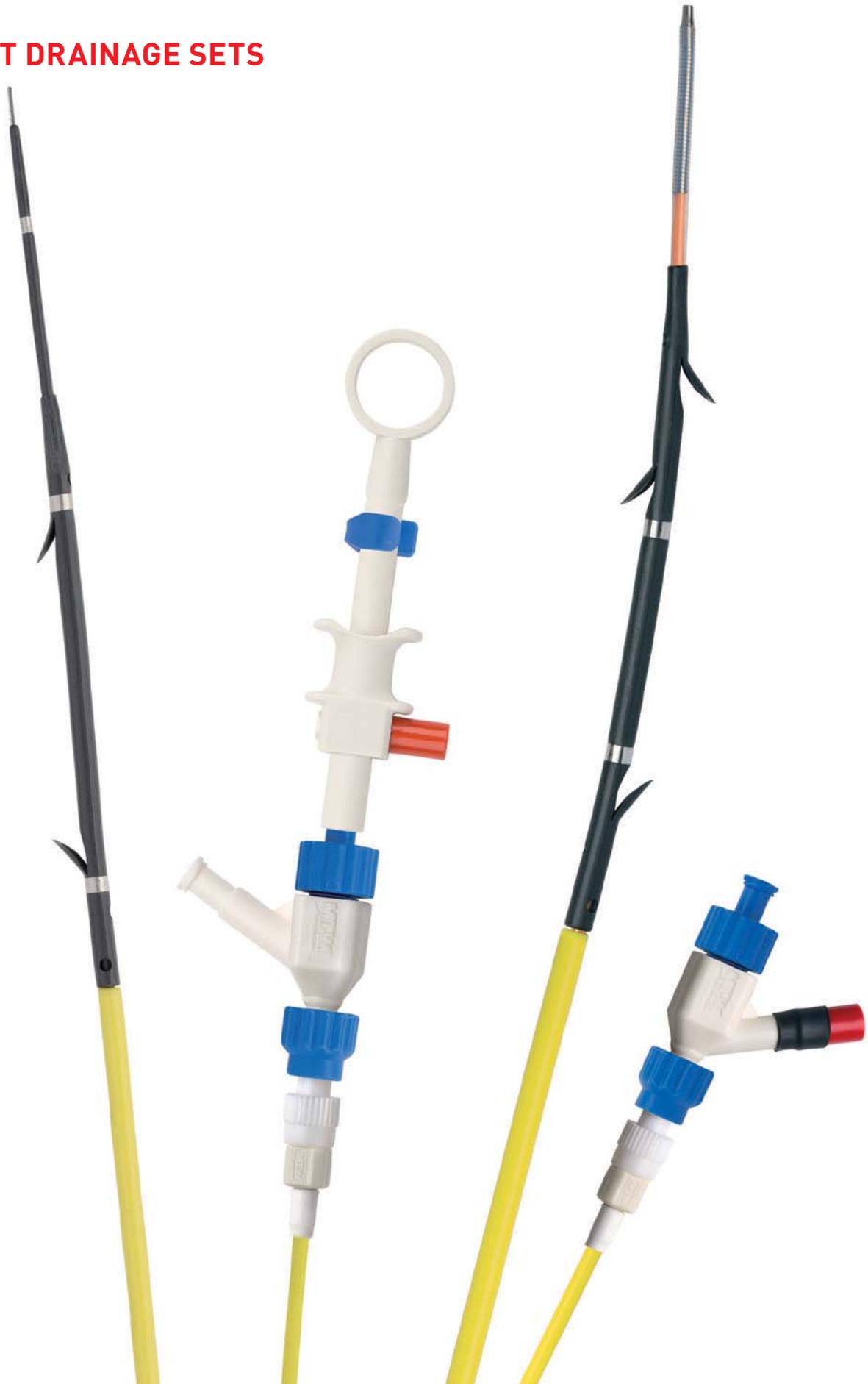
pancreas stent, PTFE, with introducer system „Jet-Set“ (1 platinum ring)

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						
04 30 70 10 03 JS	30	50	7	7	205	0.035
04 30 70 10 05 JS	50	70	7	7	205	0.035
04 30 70 10 07 JS	70	90	7	7	205	0.035
04 30 70 10 09 JS	90	110	7	7	205	0.035

CYST DRAINAGE SETS



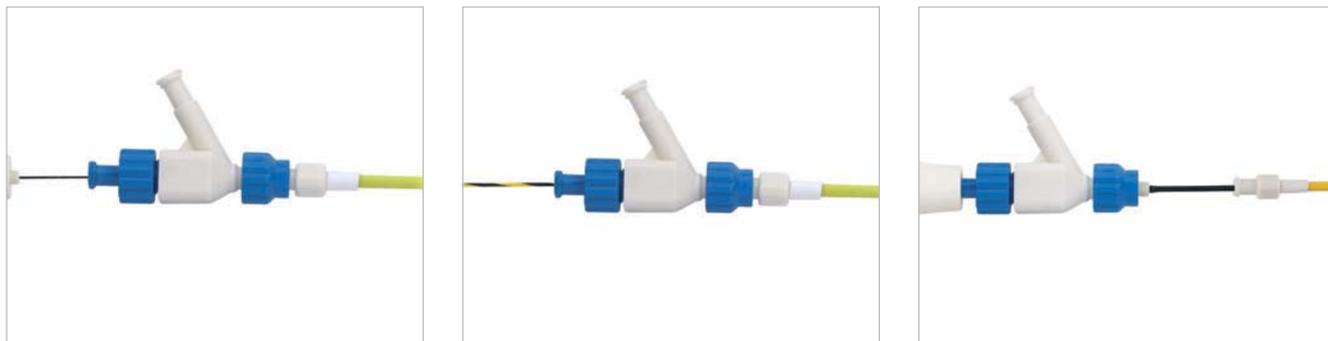
CYST DRAINAGE SETS

Dr. C. Grotjahn



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).

The prosthesis is pushed forward with the pusher.

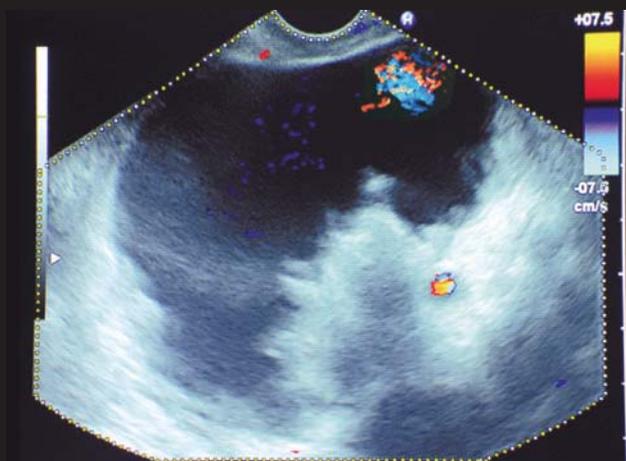


Figure 1

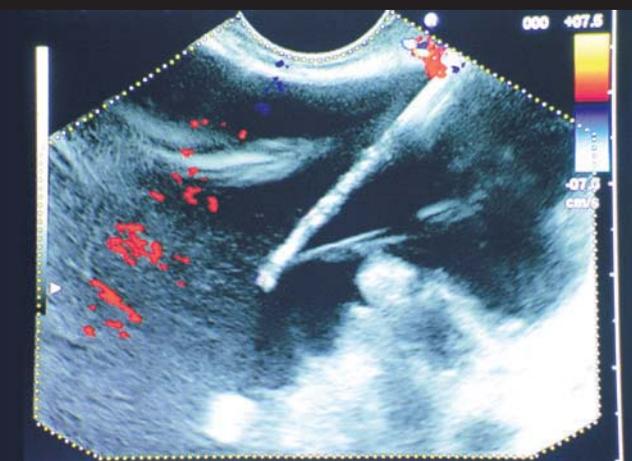


Figure 2



Figure 7

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.



Figure 3

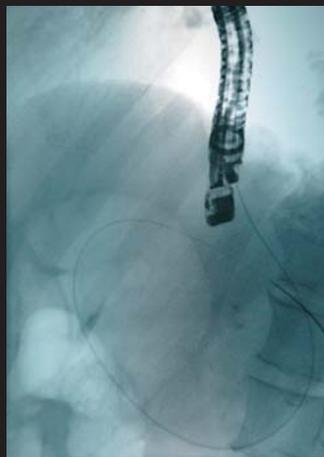


Figure 4



Figure 5

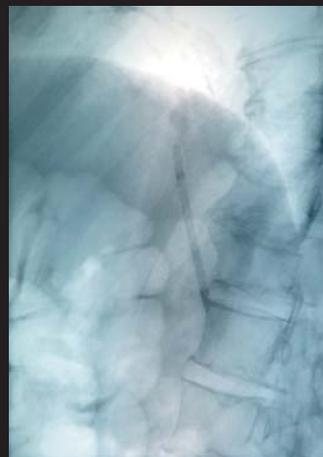


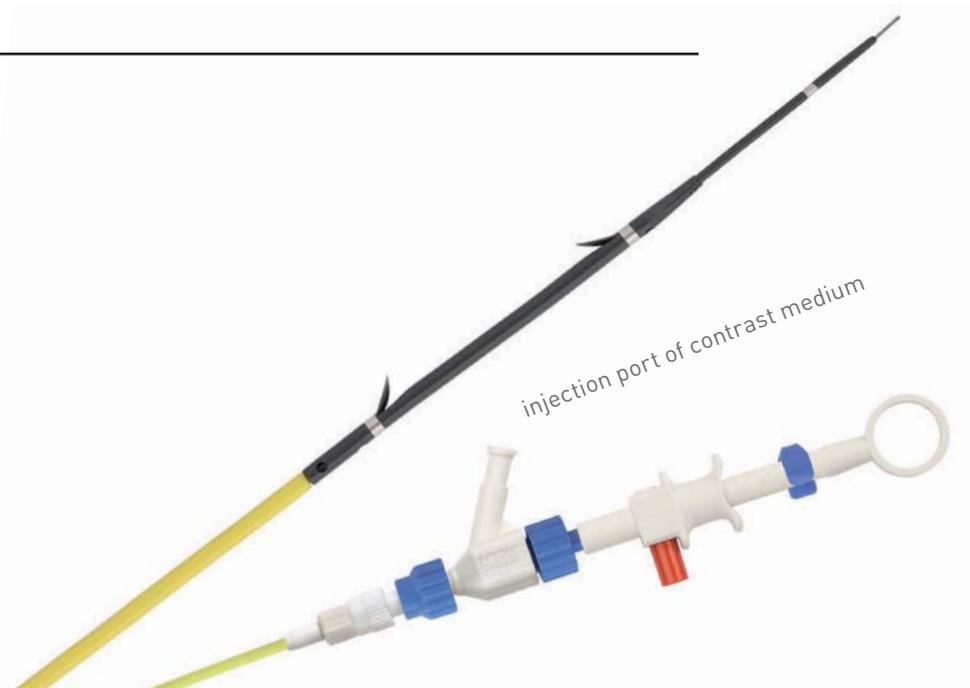
Figure 6



Figure 8

ZYSTENDRAINAGE-SET DR. GROTJAHN

2



Article no.	Cyst drainage set consisting of:	Extension mm	Guide wire inch	Diameter	Length
04 80 05 03	Cystostome Pusher Straight Stent	5	0.035	Cystostome: 5 Ch. Pusher: 8,5 Ch. Stent: 8,5 Ch.	Cystostome: 195 cm Pusher: 155 cm Stent: Total length: 50 mm Length between flaps: 20 mm
04 80 08 03	Cystostome Pusher Straight Stent	5	0.035	Cystostome: 5 Ch. Pusher: 8,5 Ch. Stent: 8,5 Ch.	Cystostome: 195 cm Pusher: 155 cm Stent: Total length: 80 mm Length between flaps: 50 mm
04 80 10 03	Cystostome Pusher Straight Stent	5	0.035	Cystostome: 5 Ch. Pusher: 10 Ch. Stent: 10 Ch.	Cystostome: 195 cm Pusher: 155 cm Stent: Total length: 80 mm Length between flaps: 50 mm

Figure shows article REF 04 80 10 03

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
04 90 10 03	Legekatheter Pusher Straight Stent	0.035	Legekatheter: 5 Ch. Pusher: 10 Ch. Stent: 10 Ch.	Legekatheter: 195 cm Pusher: 155 cm Stent: Total length: 80 mm Length between flaps: 50 mm

Recommended guide wires:

Article no.	Outer diameter inch	Special features	Length cm
00 39 46	0.035	„Snap-Tip“ kink-resistant guide wire	460
00 39 26	0.035	„Snap-Tip“ kink-resistant guide wire	260



Ring knife & Ring knife set

Model Prof. Dr. U. Will



Ring knife for therapy of pseudocysts



Figure 1



Abbildung 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

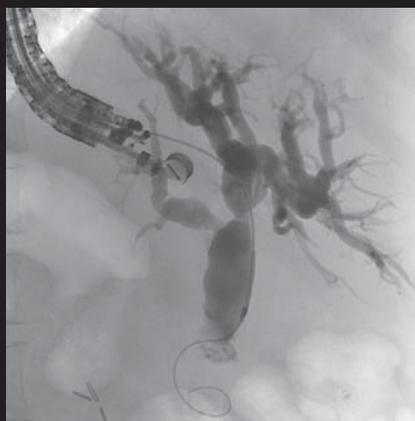


Figure 5

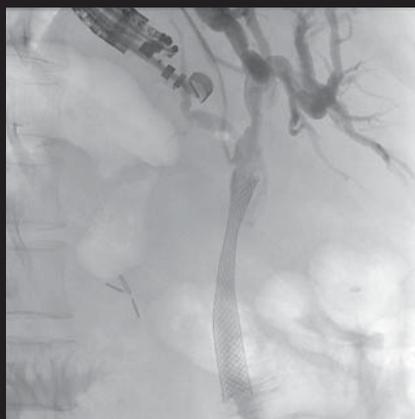


Figure 6

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.

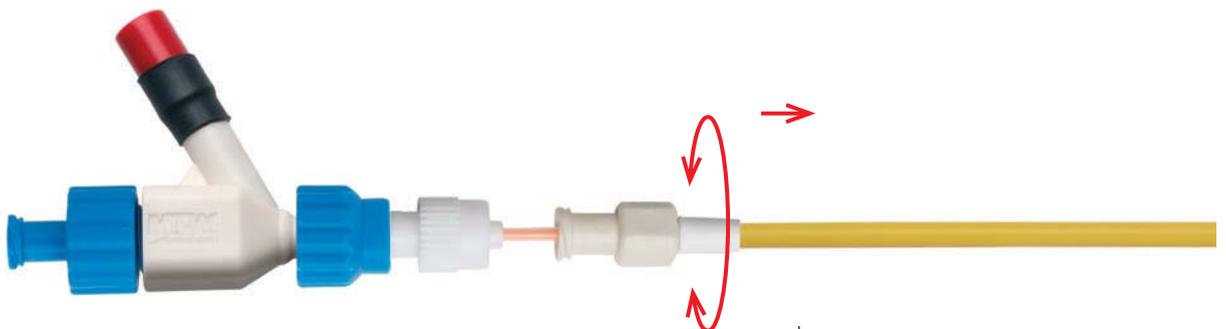
The ring knife set consists of a ring knife with a connected pusher and a preloaded 3-flap straight endoprosthesis. After gaining access to the target lesion, the endoprosthesis for drainage can be placed without changing instruments.



ring knife



Stent, 3-Flap



The stent is pushed forward with the pusher.

RING KNIFE SET PROF. DR. U. WILL

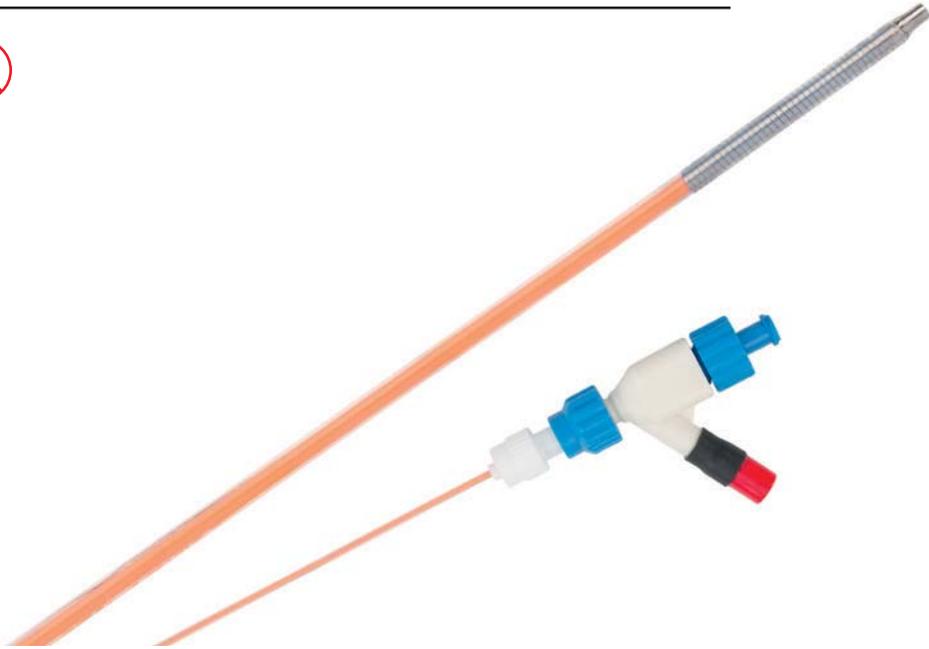
2



Article no.	Ring knife set consisting of:	For guide wire inch	Diameter	Length
04 82 10 03	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

RINGMESSER NACH PROF. DR. U. WILL

2

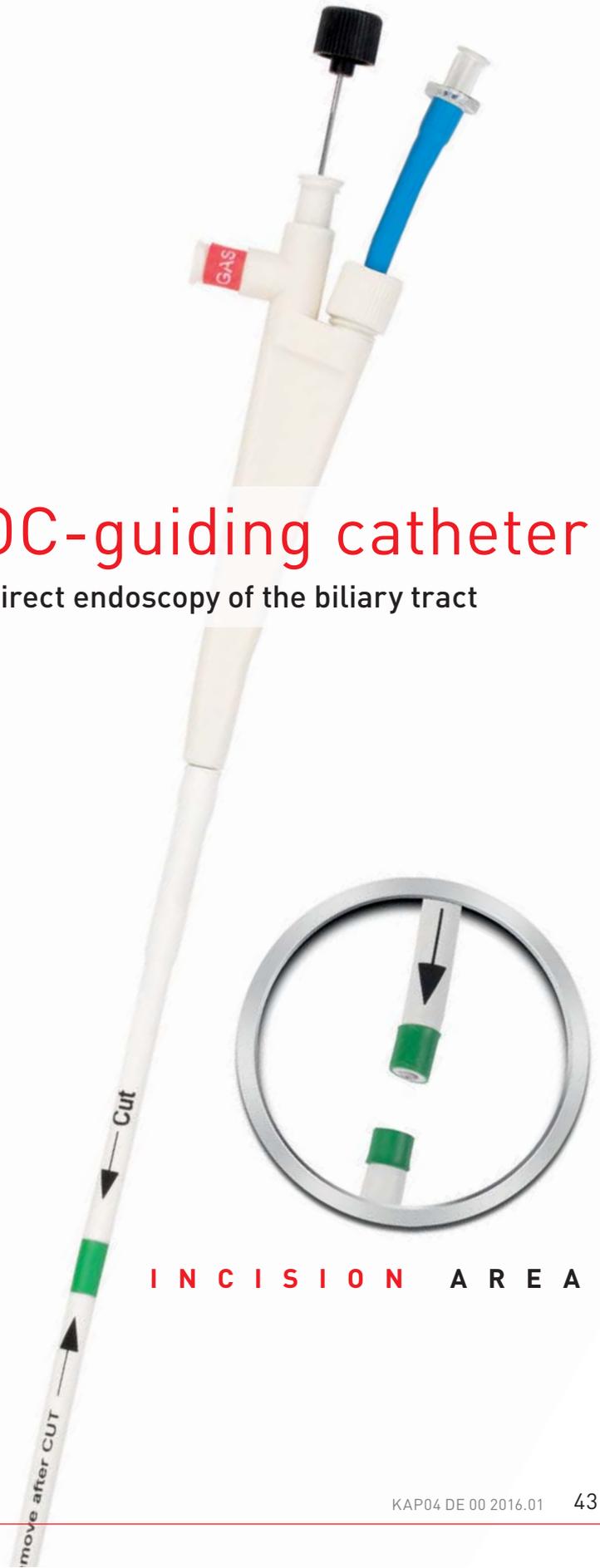


Article no.	For guide wire inch	Diameter mm	Length cm
04 82 10 00	0.035	1,8	215



DPOC-guiding catheter

for the direct endoscopy of the biliary tract



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



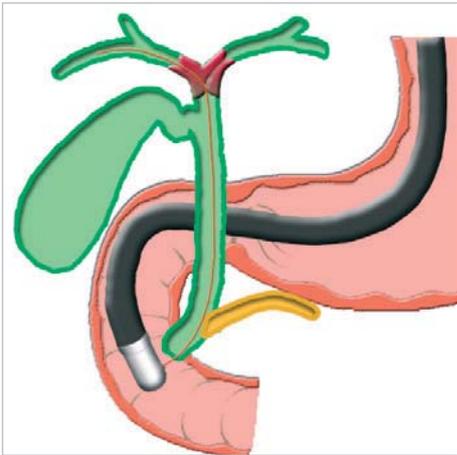


Illustration 1

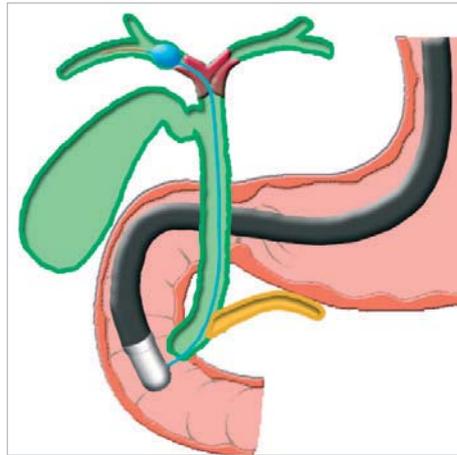


Illustration 2

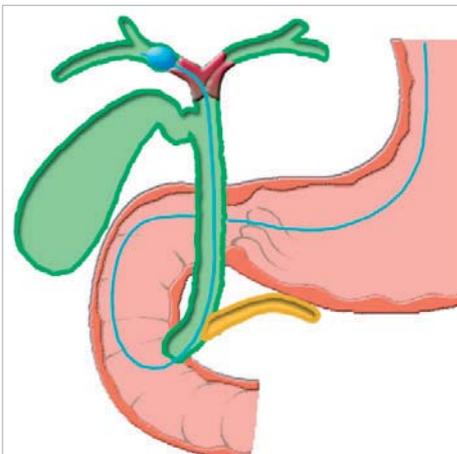


Illustration 3

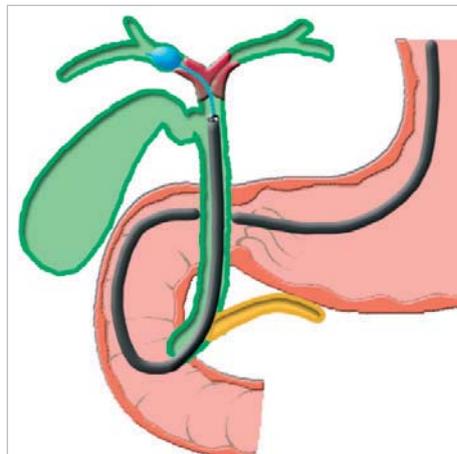


Illustration 4



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).

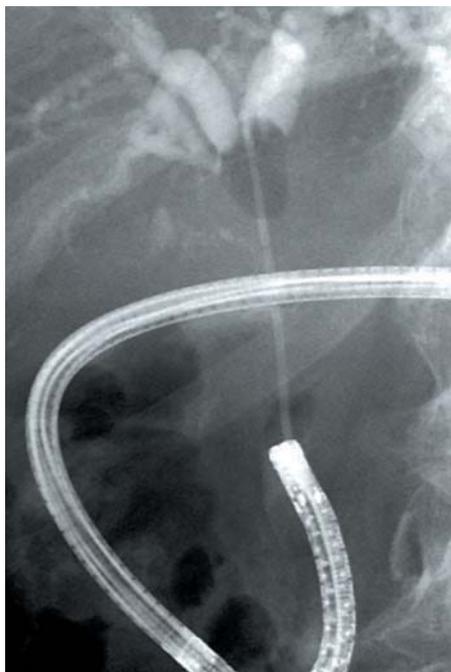
The DPOC-guiding catheter is positioned through the working channel of a duodenoscope, and the balloon is inflated through the insufflation lumen of the catheter until the balloon anchors behind the stenosis.

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.	For guide wire inch	Length cm
04 20 51 20	5	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

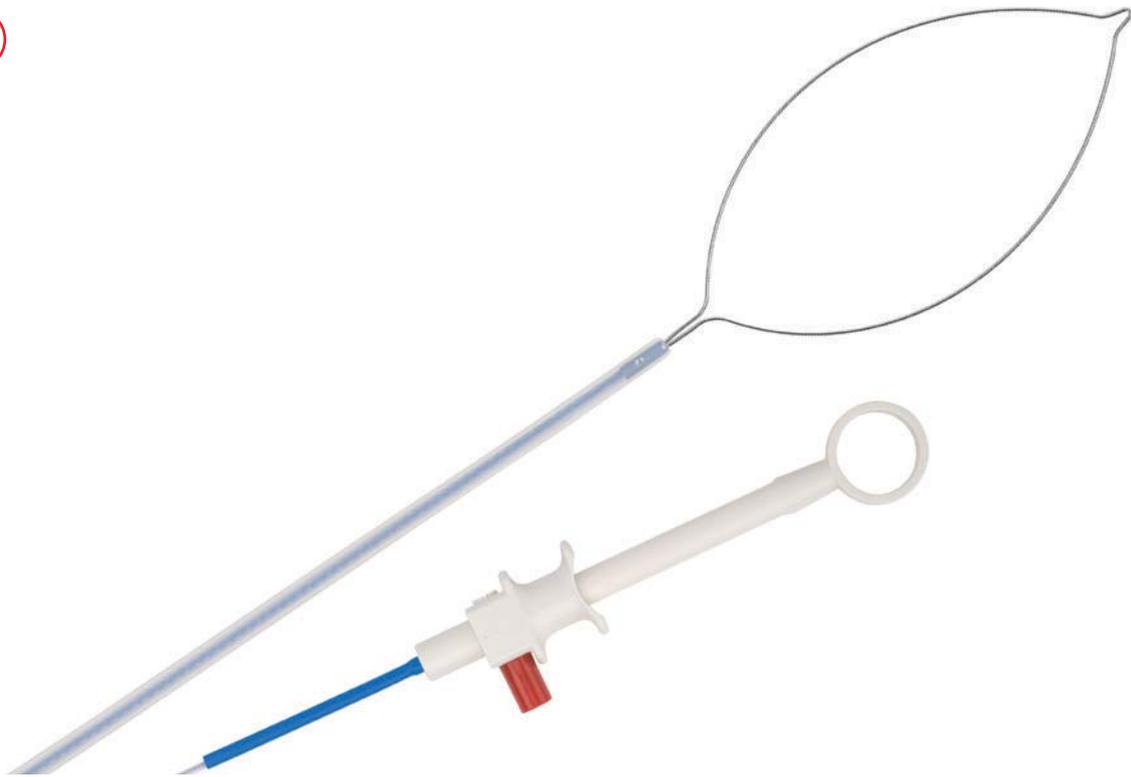
We reserve the right to make technical changes and to deviate from the depicted images.

POLYPECTOMY SNARES



POLYPECTOMY SNARES, SYMMETRICAL

2

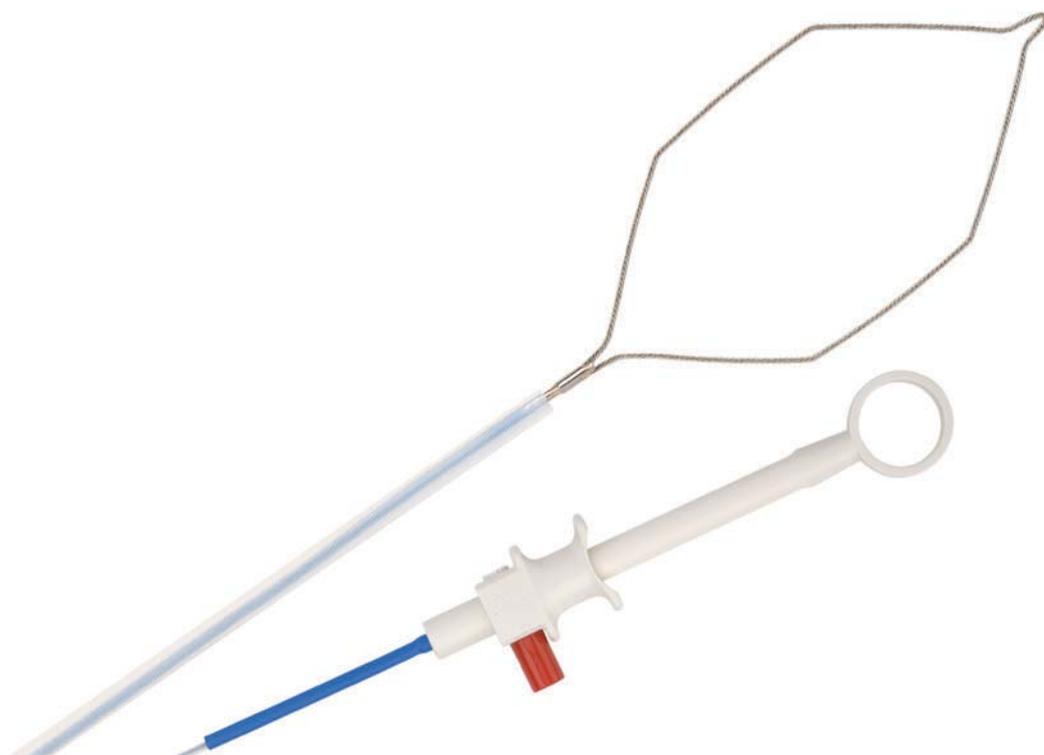


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 20 11 20 2	10 x 25	twisted	2,3	230
99 05 20 11 22 2	15 x 30	twisted	2,3	230
99 05 20 11 21 2	20 x 40	twisted	2,3	230
99 05 20 11 24 2	25 x 50	twisted	2,3	230
99 05 40 11 12 2	20 x 40	twisted	1,8	250
99 05 40 11 21 2	20 x 40	twisted	2,3	250
99 05 40 11 13 2	30 x 55	twisted	1,8	250
99 05 20 11 23 2	30 x 55	twisted	2,3	230
99 05 40 11 23 2	30 x 55	twisted	2,3	250
99 05 20 11 21 5	15 x 30	monofil	2,3	230
99 05 20 11 22 5	20 x 40	monofil	2,3	230
99 05 20 11 23 5	25 x 50	monofil	2,3	230
99 05 40 11 23 5	25 x 50	monofil	2,3	250

Figure shows article REF 99 05 20 11 23 2

POLYPECTOMY SNARES, HEXAGONAL

2

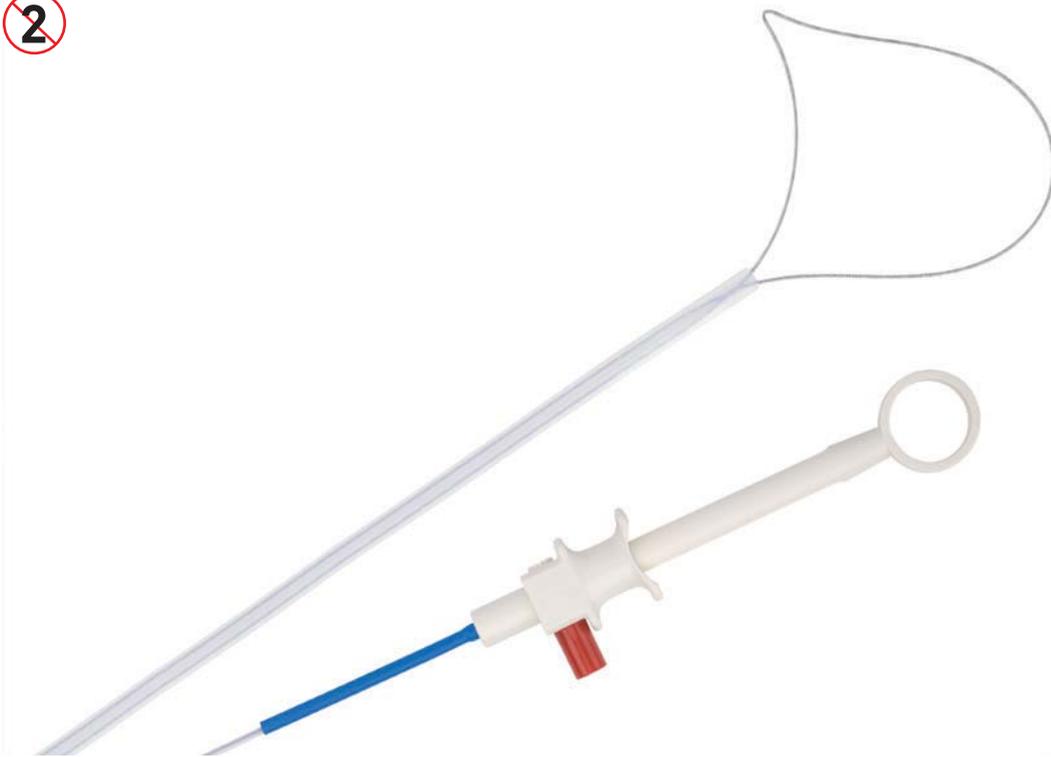


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 40 11 11 4	15 x 30	twisted	1,8	250
99 05 20 11 23 4	30 x 50	twisted	2,3	230

Figure shows article REF 99 05 20 11 23 4

POLYPECTOMY SNARES, ASYMMETRICAL

2

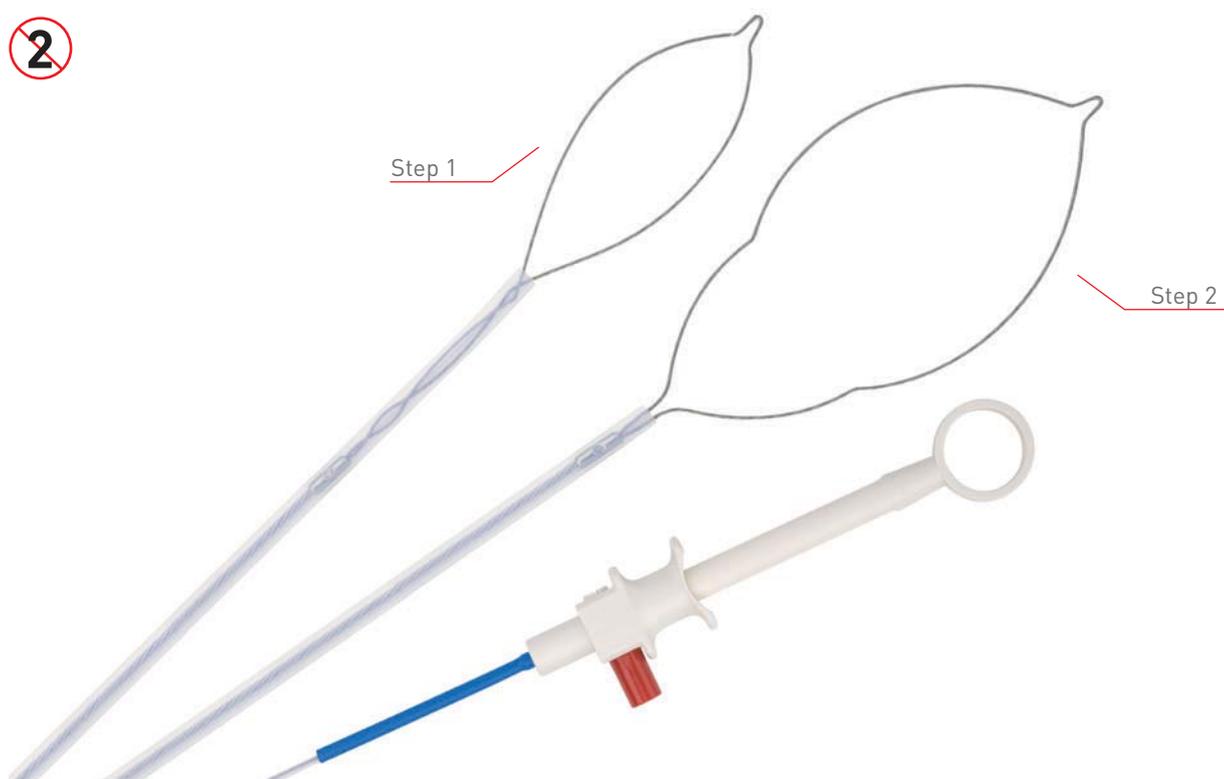


Article no.	Opening size mm	Diameter mm	Length cm
99 05 20 11 21 1	15	2,3	230
99 05 20 11 22 1	25	2,3	230

Figure shows article REF 99 05 20 11 22 1

POLYPECTOMY SNARE „VARIO-SNARE“, SYMMETRICAL

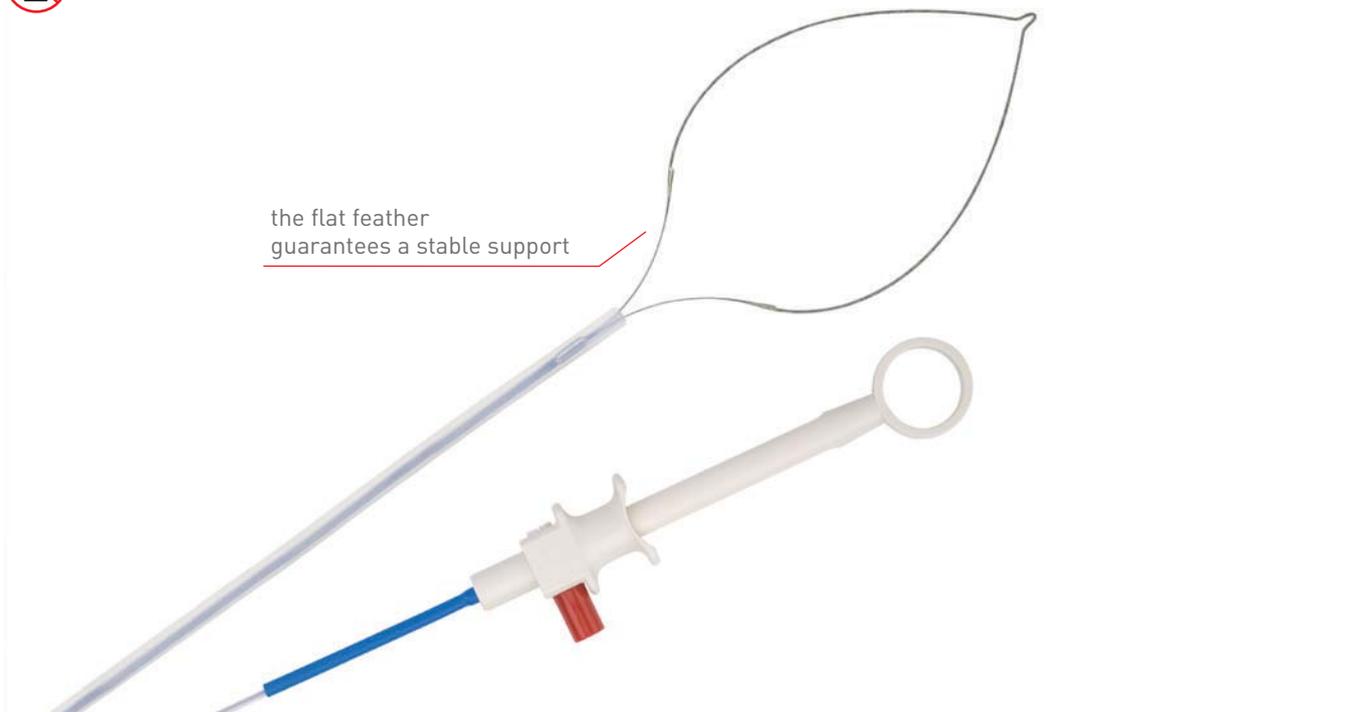
2



Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 20 81 23 2	ca. 15 x 33 (Step 1) or ca. 27 x 50 (Step 2)	twisted	2,3	230

POLYPECTOMY SNARES, SYMMETRICAL WITH FLAT FEATHER

2

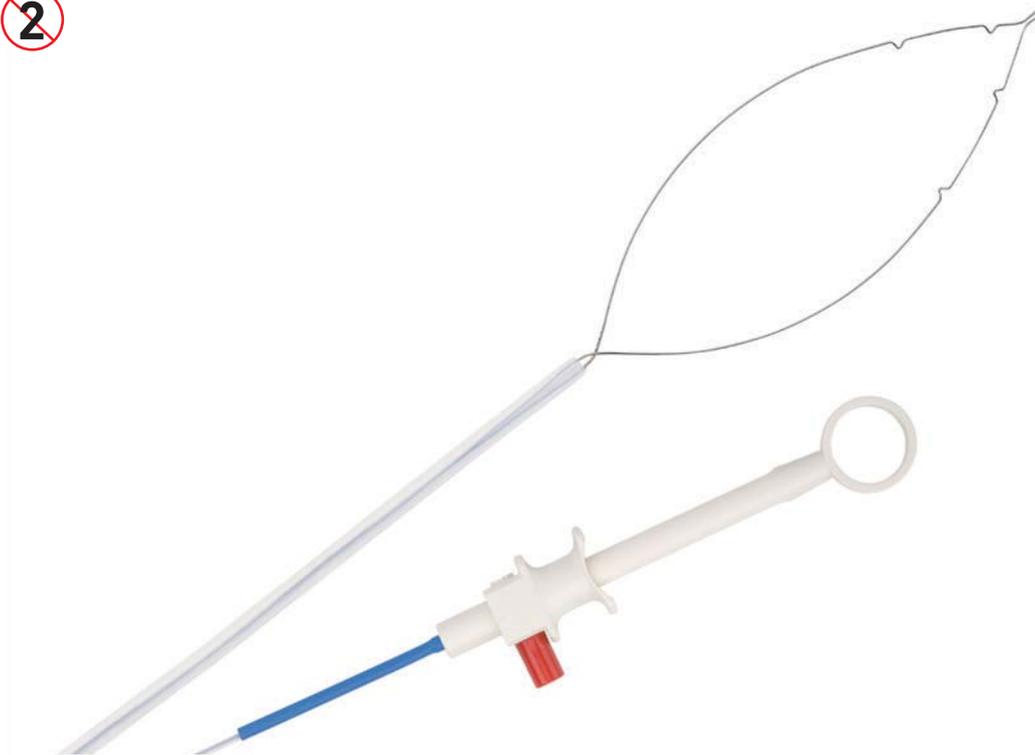


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 20 11 20 6	10 x 30	twisted, with flat feather	2,3	230
99 05 20 11 21 6	15 x 35	twisted, with flat feather	2,3	230
99 05 20 11 22 6	20 x 40	twisted, with flat feather	2,3	230
99 05 20 11 23 6	30 x 60	twisted, with flat feather	2,3	230

Figure shows article REF 99 05 20 11 22 6

POLYPECTOMY SNARES, SHARK TEETH, SYMMETRICAL

2

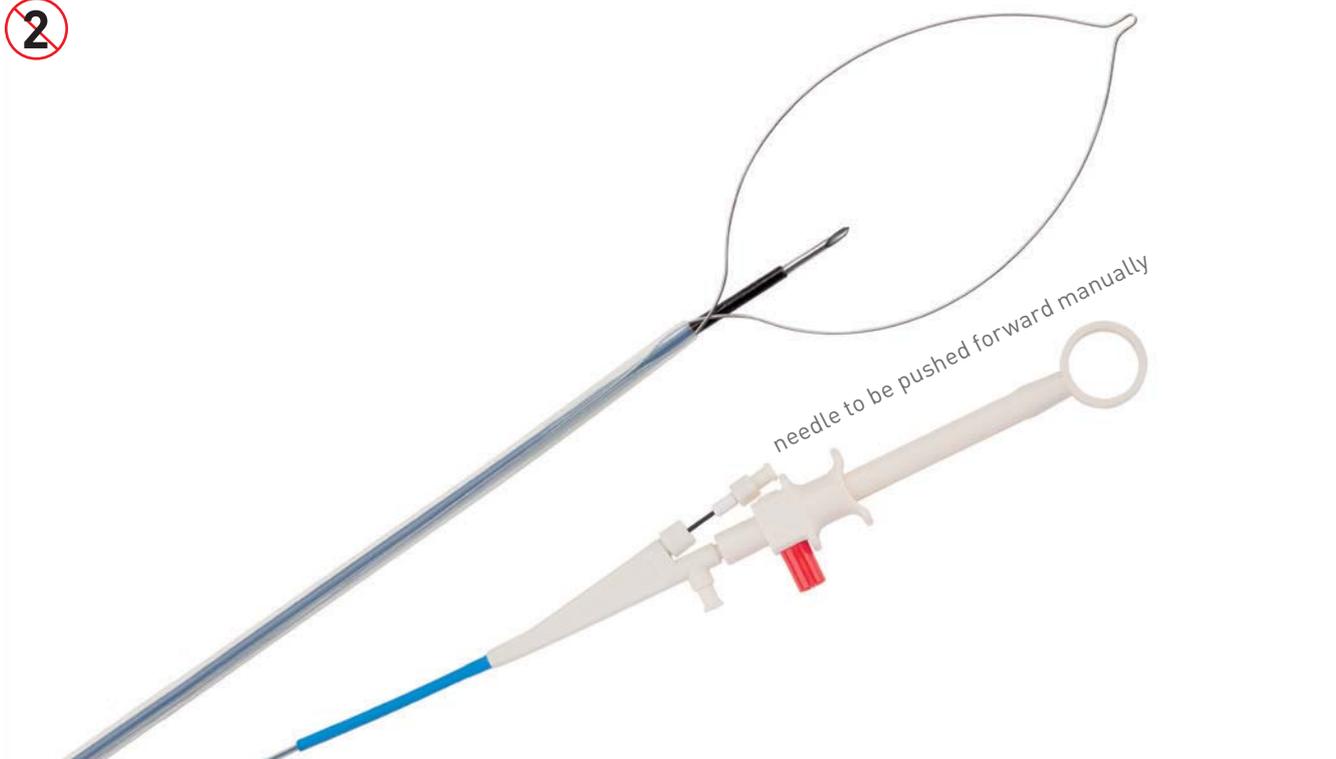


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 20 51 21 5	15 x 37	monofil, with 4 teeth	2,3	230
99 05 20 51 22 5	25 x 55	monofil, with 4 teeth	2,3	230

Figure shows article REF 99 05 20 51 22 5

POLYPECTOMY SNARE „SKORPIO-SNARE“, WITH INJECTION NEEDLE

2



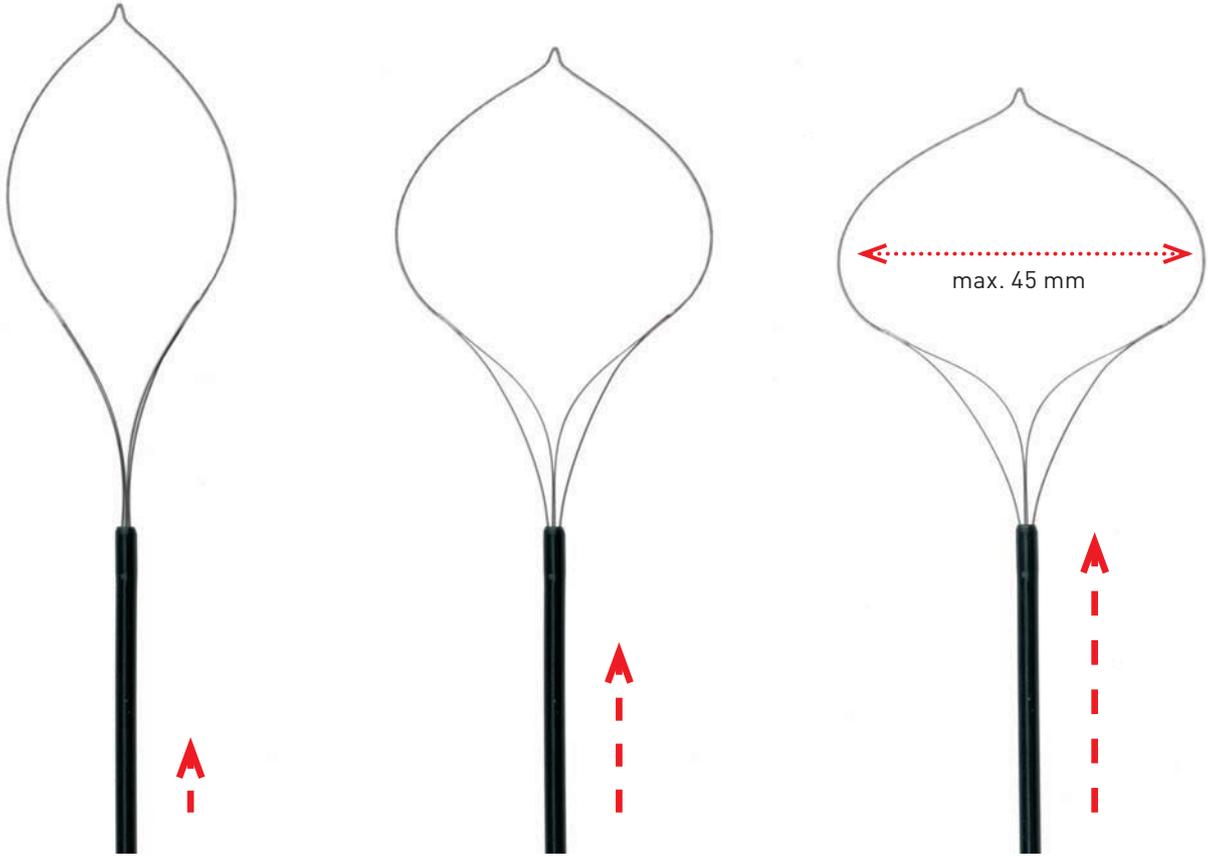
Article no.	Opening size width x height mm	Wire type	Needle ø mm	Diameter mm	Length cm
99 05 21 11 22 5	approx. 20 x 40	monofil	0,7	2,6	230



KUDO-SNARE

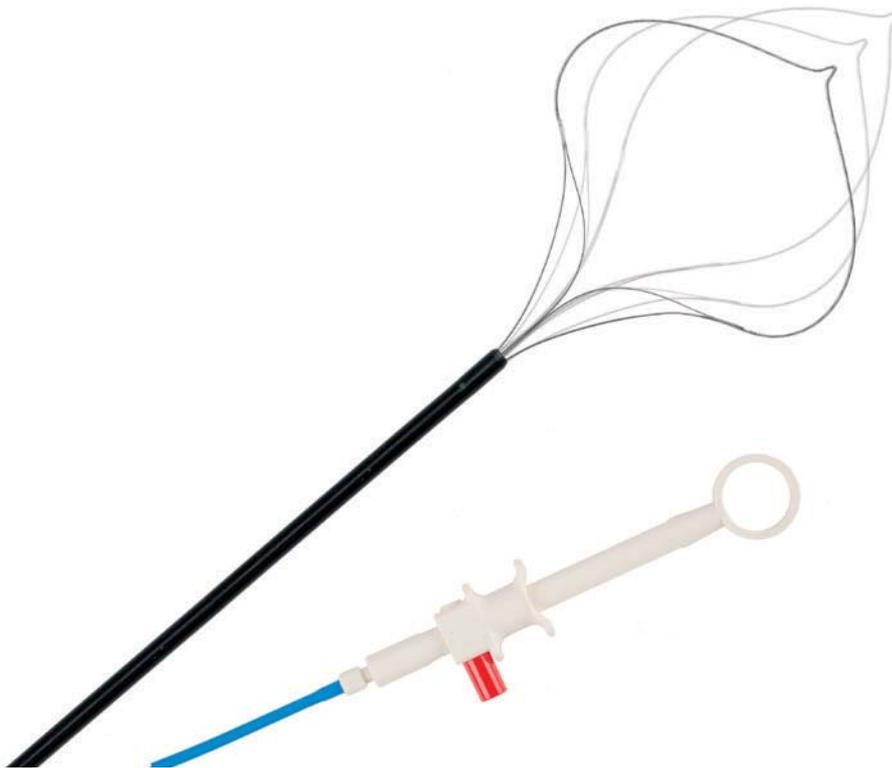
controllable opening width,
polypectomy snare
suitable for mucosectomy





POLYPECTOMY SNARE „KUDO-SNARE“, CONTROLLABLE

2

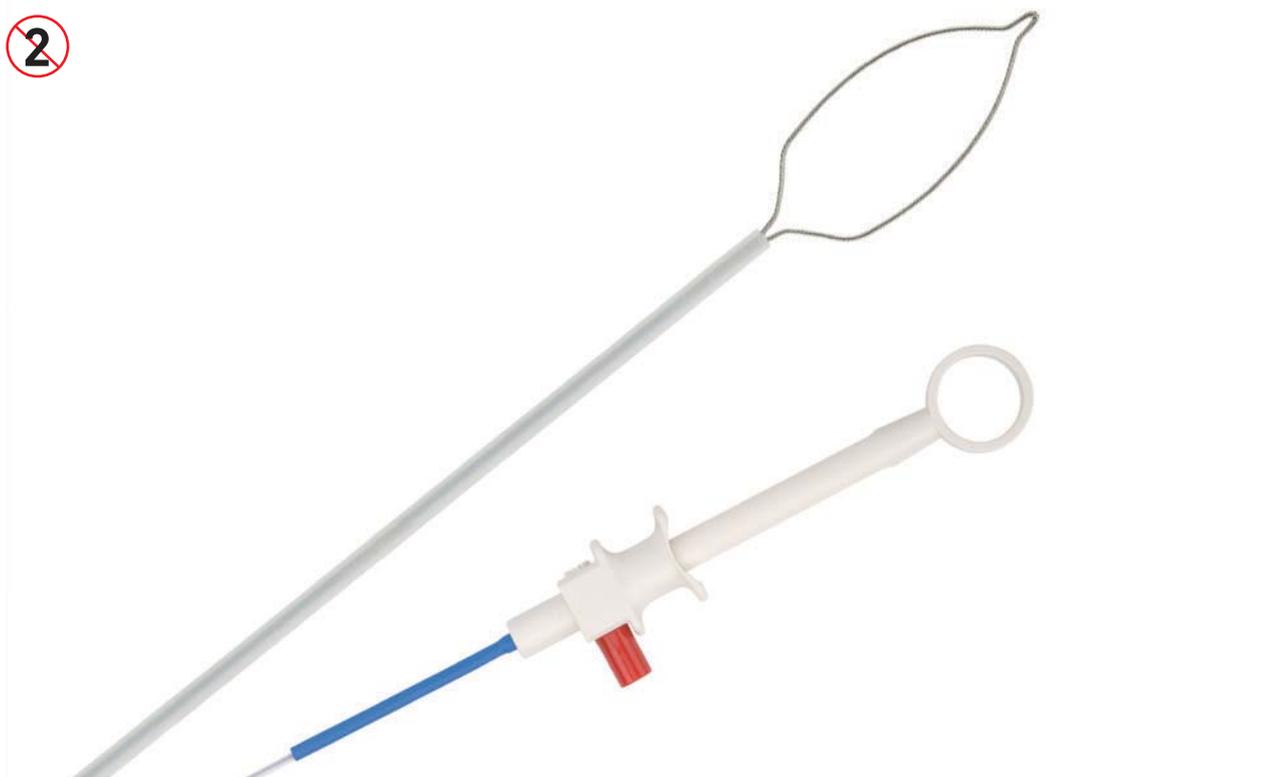


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 20 11 23 8	min. approx. 29 x 57 max. approx. 45 x 43	twisted, with flat feather	2,6	230

POLYPECTOMY SNARE FOR COLD ABLATION

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

2



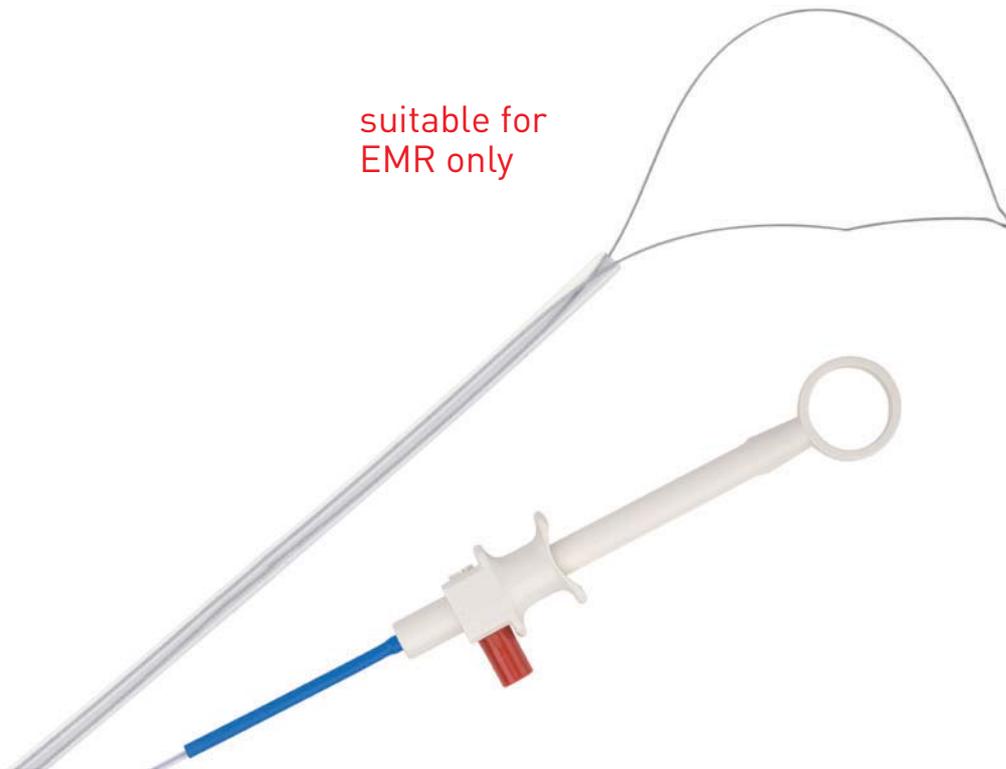
Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 21 11 20 2	10 x 20	twisted	2,3	230
99 05 21 11 20 5	10 x 20	monofil	2,3	230

Figure shows article REF 99 05 21 11 20 2

POLYPECTOMY SNARE FOR „EMR“, ASYMMETRICAL

soft, twisted snare wire

2

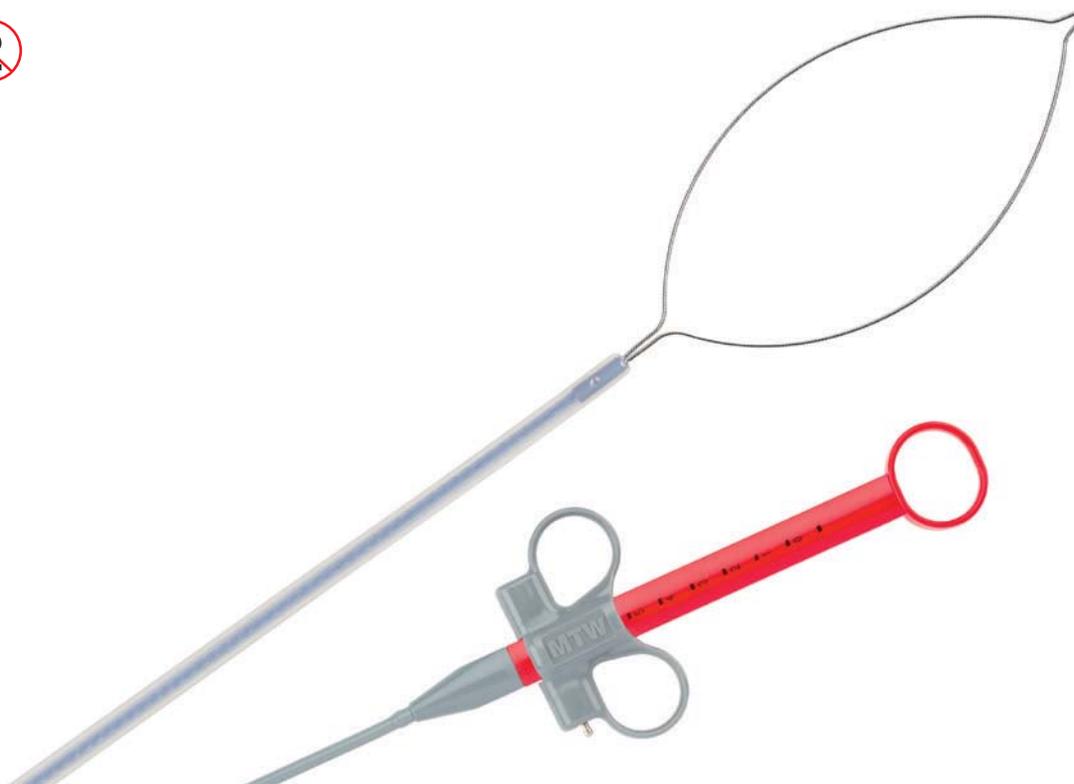


Article no.	Opening size mm	Diameter mm	Length cm
99 05 20 11 12 3	22	1,8	230

POLYPECTOMY SNARE, SYMMETRICAL

twisted wire

2



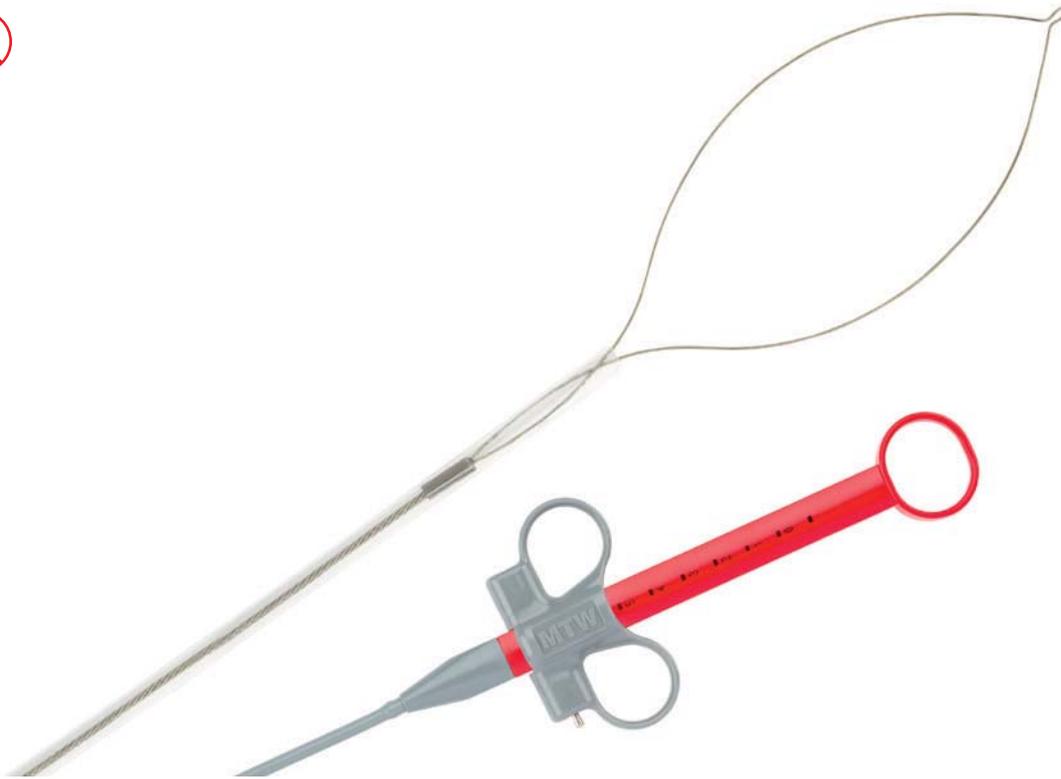
Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 20 12 20 2	15 x 25	twisted	2,3	230
99 05 20 12 23 2	30 x 50	twisted	2,3	230

Figure shows article REF 99 05 20 12 23 2

POLYPECTOMY SNARE, SYMMETRICAL

monofil wire

2

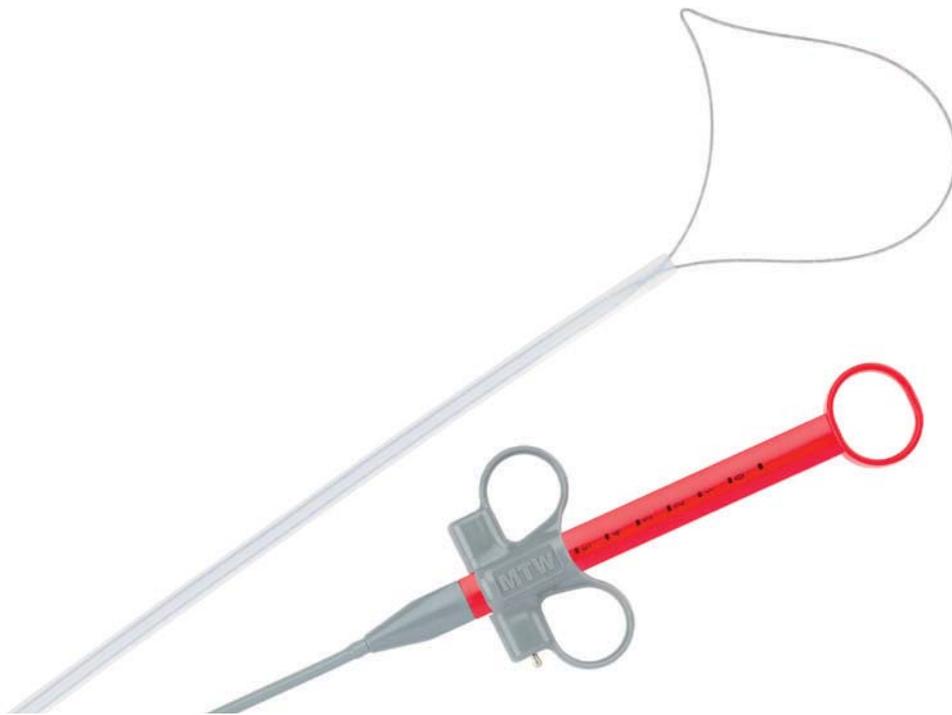


Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 20 12 22 5	17 x 45	monofil	2,3	230
99 05 20 12 23 5	25 x 50	monofil	2,3	230

Figure shows article REF 99 05 20 12 23 5

POLYPECTOMY SNARE, ASYMMETRICAL

2

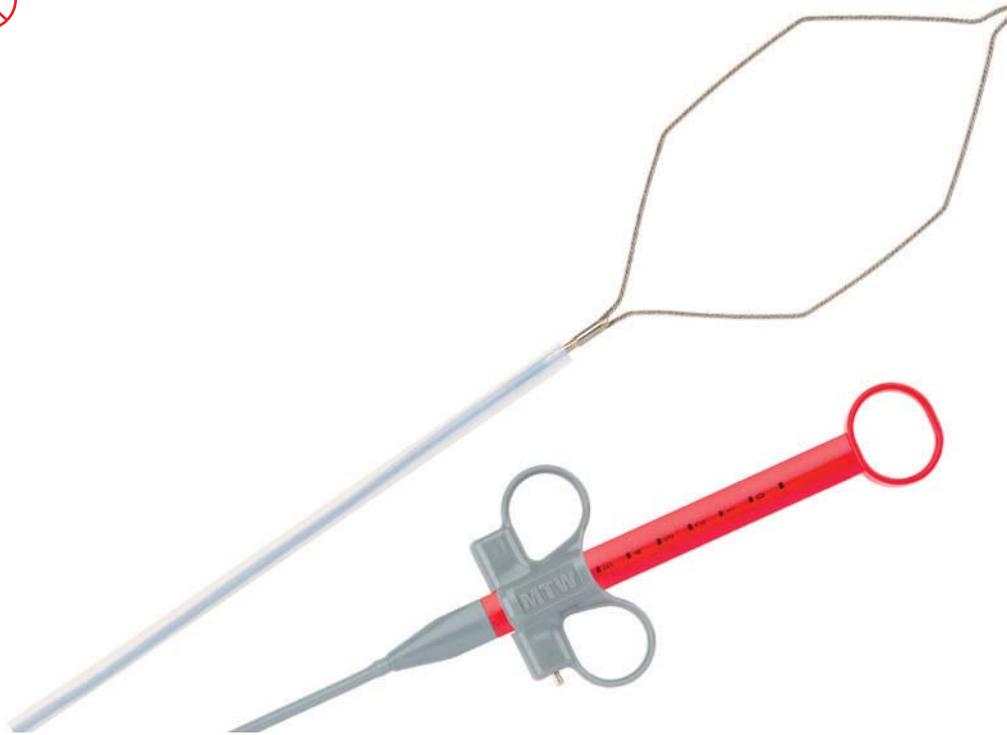


Article no.	Opening size mm	Diameter mm	Length cm
99 05 20 12 21 1	15	2,3	230
99 05 20 12 22 1	25	2,3	230

Figure shows article REF 99 05 20 12 22 1

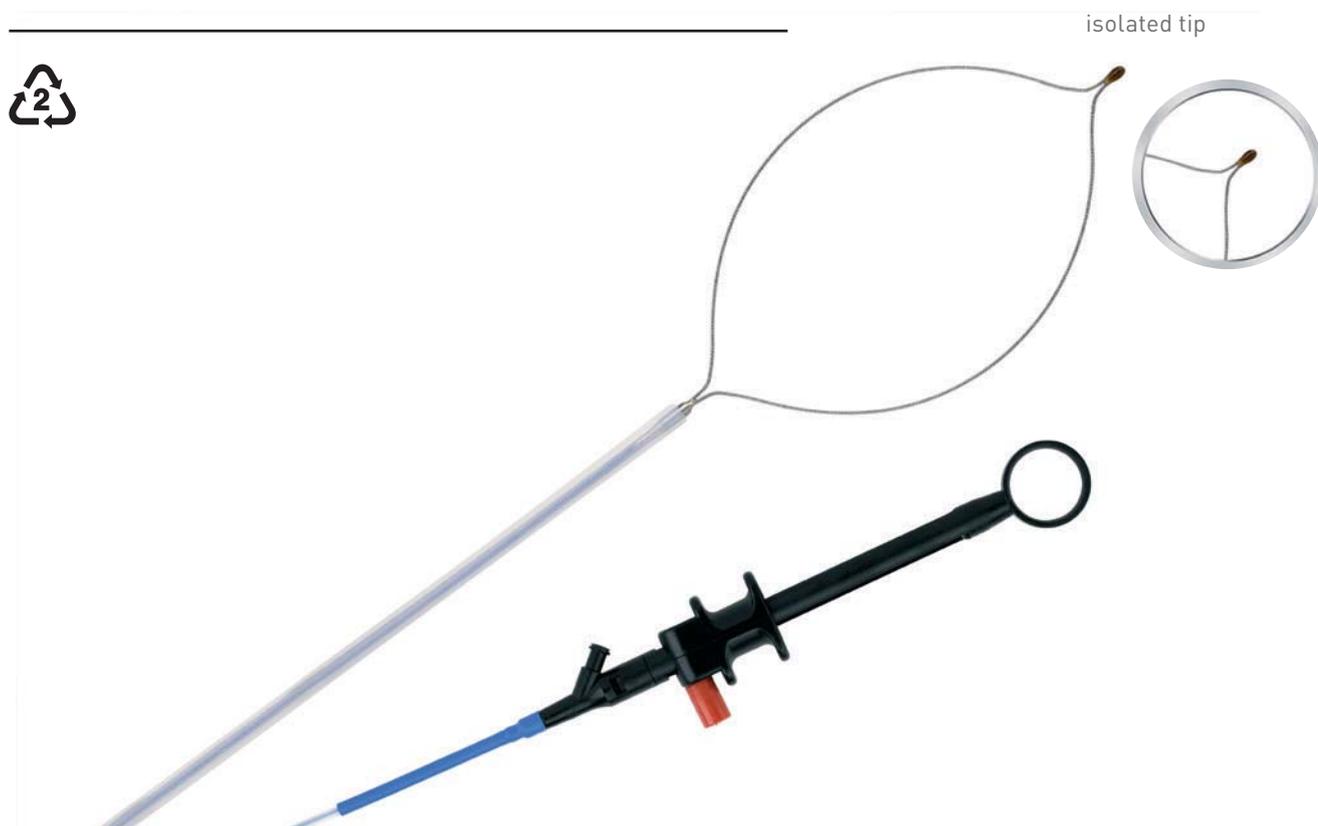
POLYPECTOMY SNARE, HEXAGONAL

twisted wire



Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
99 05 20 12 23 4	30 x 50	twisted	2,3	230

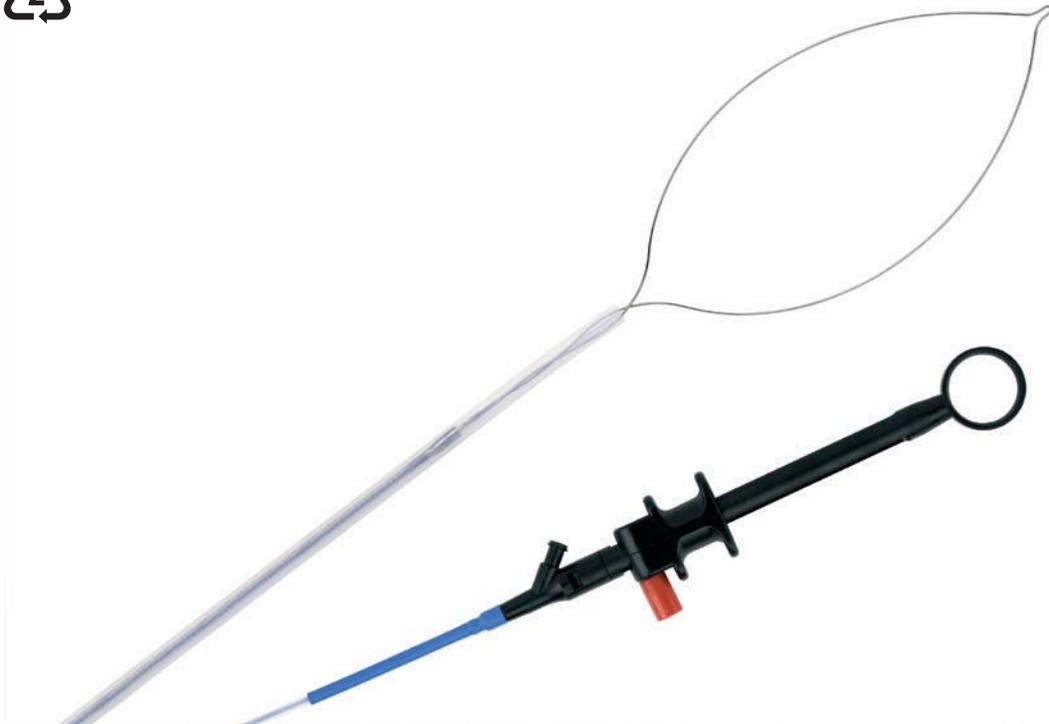
POLYPECTOMY SNARE, SYMMETRICAL



Article no.	Opening size width x height mm	Wire type	Isolated tip	Diameter mm	Length cm
05 20 11 20 2	10 x 20	twisted	no	2,3	230
05 20 11 22 2	15 x 30	twisted	no	2,3	230
05 20 11 21 2	20 x 40	twisted	no	2,3	230
05 20 11 23 2	30 x 55	twisted	no	2,3	230
05 20 31 20 2	10 x 20	twisted	yes	2,3	230
05 20 31 21 2	20 x 30	twisted	yes	2,3	230
05 20 31 23 2	30 x 55	twisted	yes	2,3	230

Figure shows article REF 05 20 31 21 2

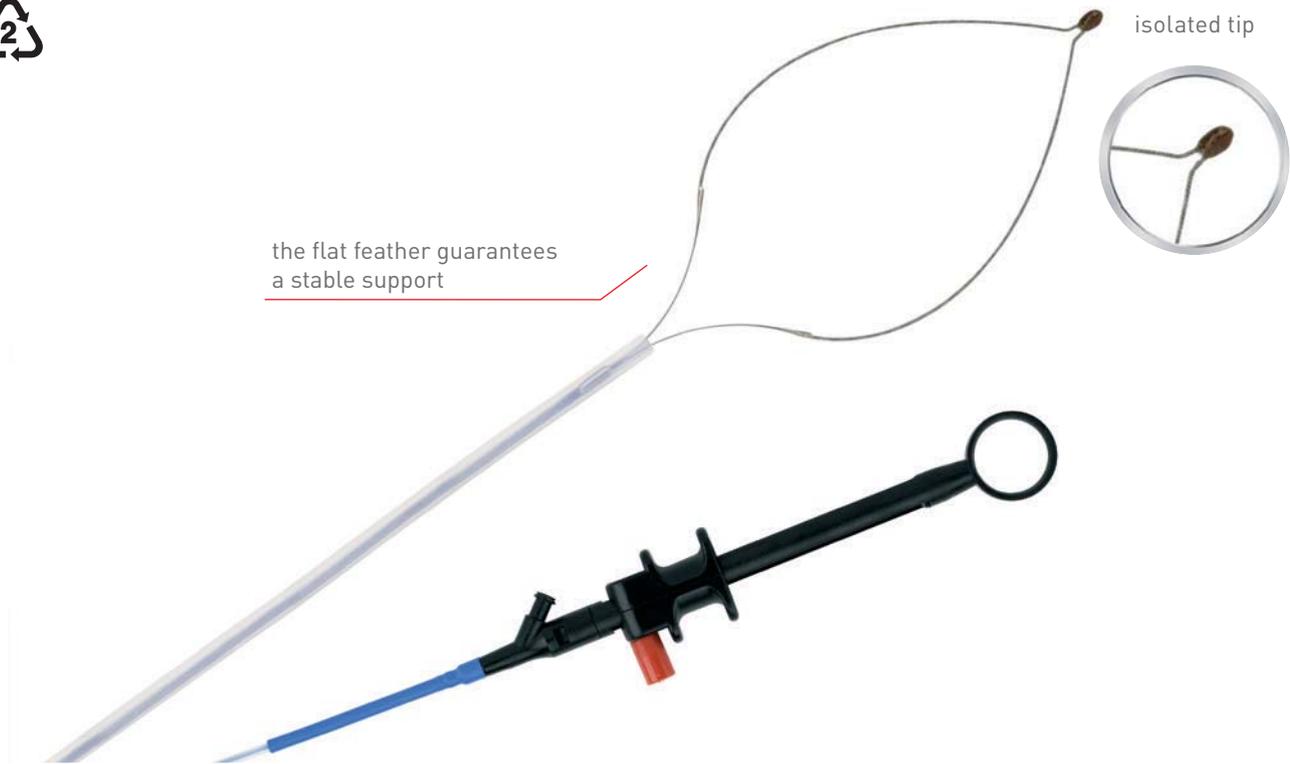
POLYPECTOMY SNARE, SYMMETRICAL



Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
05 20 11 22 5	20 x 40	monofil	2,3	230
05 20 11 23 5	25 x 50	monofil	2,3	230

Figure shows article REF 05 20 11 22 5

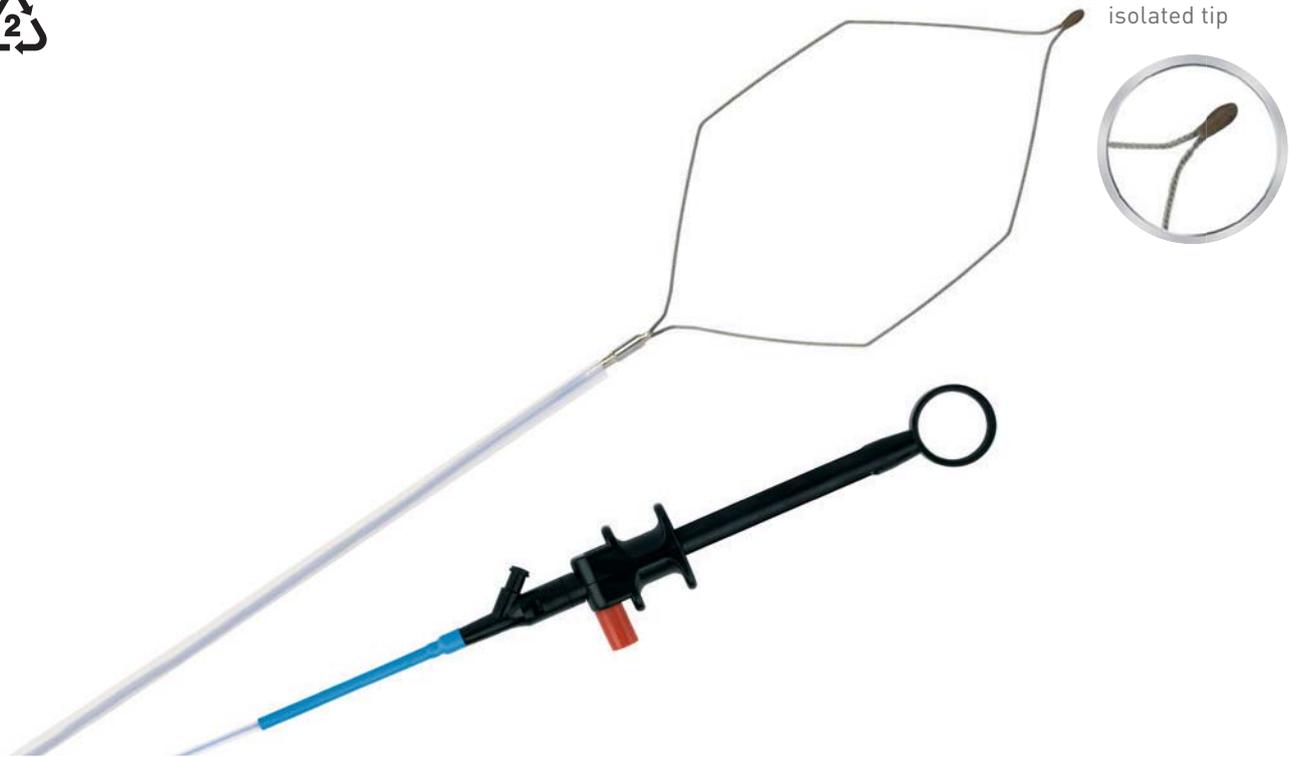
POLYPECTOMY SNARE, SYMMETRICAL WITH FLAT FEATHER



Article no.	Opening size width x height mm	Wire type	Isolated tip	Diameter mm	Length cm
05 20 11 20 6	10 x 24	twisted with flat feather	no	2,3	230
05 20 11 22 6	20 x 40	twisted with flat feather	no	2,3	230
05 20 11 23 6	30 x 60	twisted with flat feather	no	2,3	230
05 20 31 22 6	20 x 40	twisted with flat feather	yes	2,3	230
05 20 31 23 6	30 x 60	twisted with flat feather	yes	2,3	230

Figure shows article REF 05 20 31 22 6

POLYPECTOMY SNARE, HEXAGONAL



Article no.	Opening size width x height mm	Wire type	Isolated tip	Diameter mm	Length cm
05 20 11 23 4	30 x 50	twisted	no	2,3	230
05 20 31 23 4	30 x 50	twisted	yes	2,3	230

Figure shows article REF 05 20 31 23 4

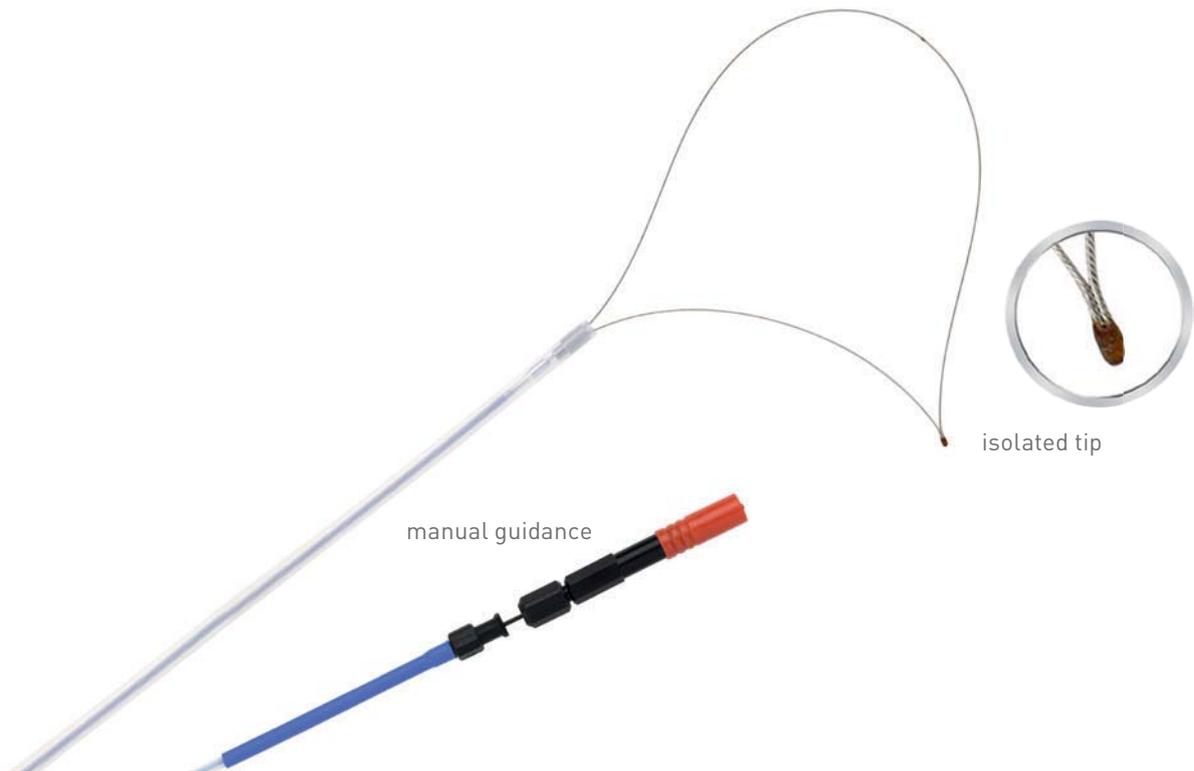
POLYPECTOMY SNARE, ASYMMETRICAL



Article no.	Opening size mm	Isolated tip	Diameter mm	Length cm
05 10 11 12 1	25	no	1,8	160
05 20 11 21 1	15	no	2,3	230
05 20 11 22 1	25	no	2,3	230
05 20 31 21 1	15	yes	2,3	230
05 20 31 22 1	25	yes	2,3	230

Figure shows article REF 05 20 31 22 1

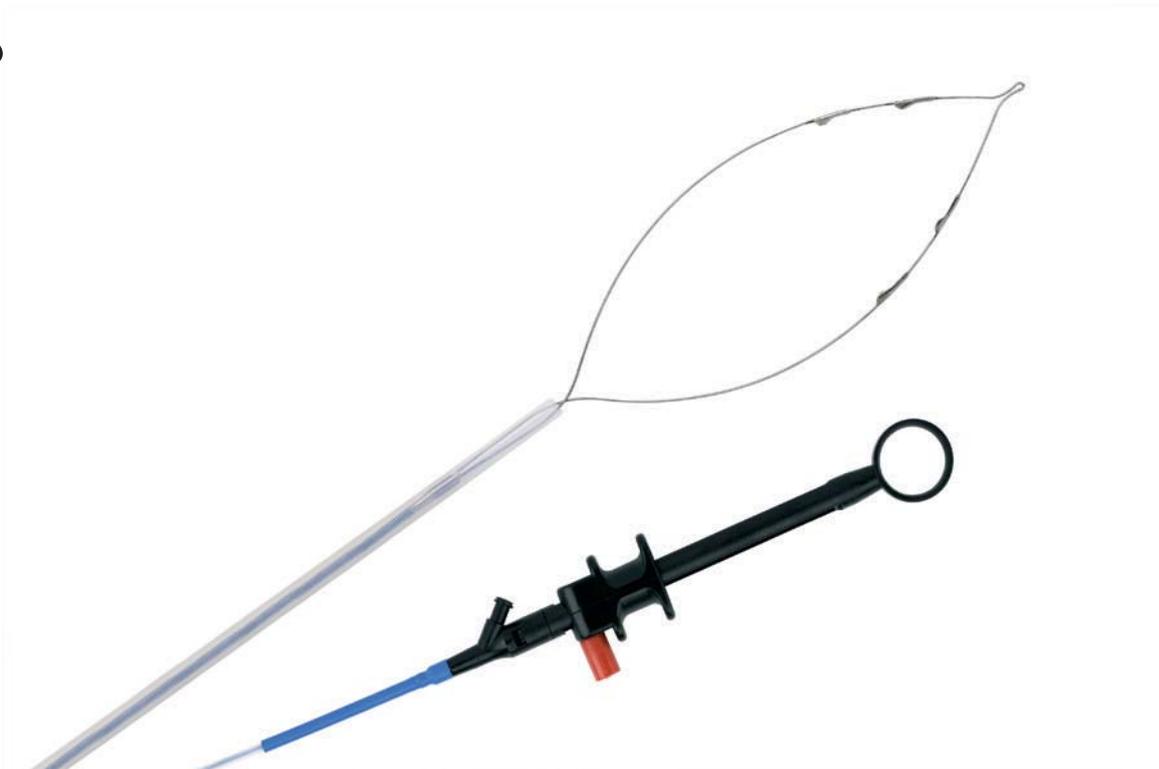
POLYPECTOMY SNARE, ASYMMETRICAL



Article no.	Opening size mm	Isolated tip	Diameter mm	Length cm
05 20 10 24 8	40	no	2,3	230
05 20 10 26 8	60	no	2,3	230
05 20 30 24 8	40	yes	2,3	230
05 20 30 26 8	60	yes	2,3	230

Figure shows article REF 05 20 30 24 8

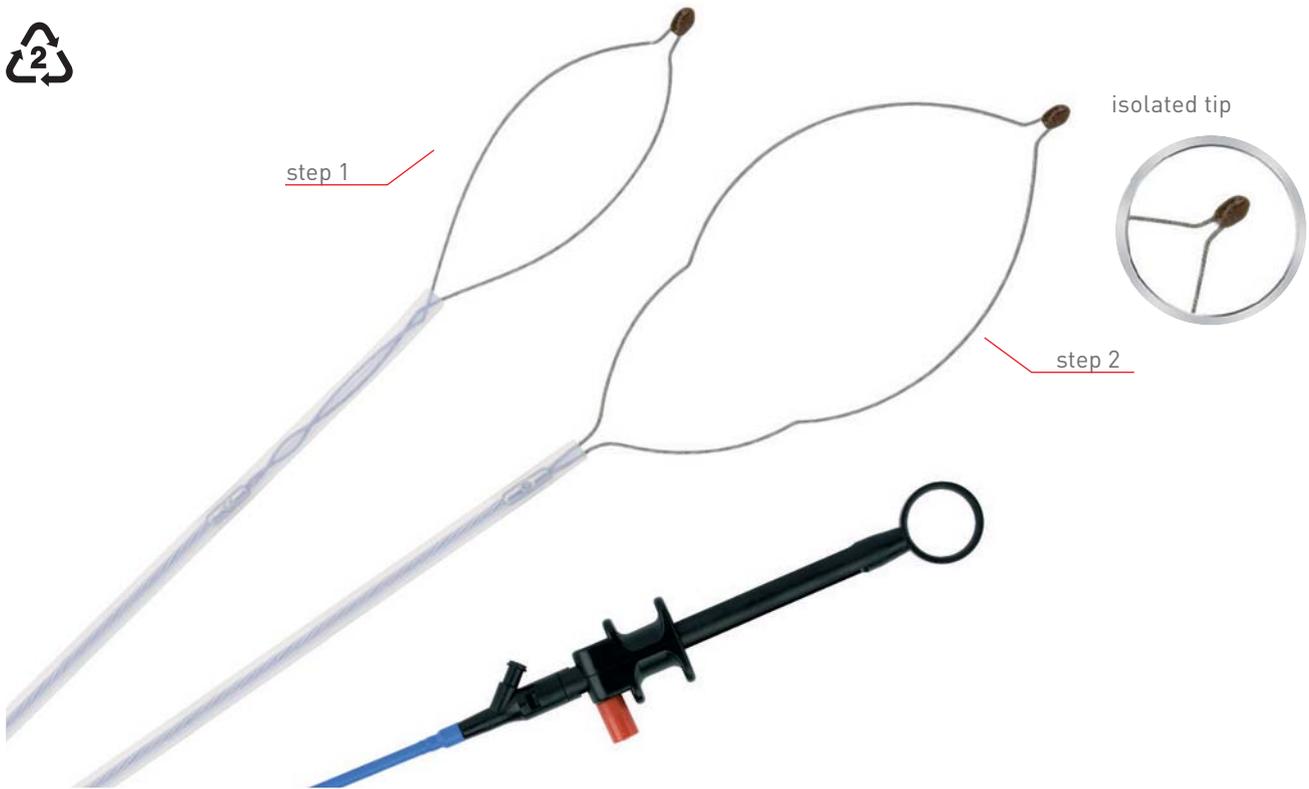
POLYPECTOMY SNARE, SHARK TEETH, SYMMETRICAL



Article no.	Opening size width x height mm	Wire type	Diameter mm	Length cm
05 20 51 22 5	20 x 40	monofil, with 4 teeth	2,3	230
05 20 61 23 5	25 x 50	monofil, with 4 teeth	2,3	230

Figure shows article REF 05 20 51 22 5

POLYPECTOMY SNARE „VARIO-SNARE“, SYMMETRICAL



Article no.	Opening size width x height mm	Wire type	Isolated tip	Diameter mm	Length cm
05 20 91 23 2	approx. 15 x 33 (step 1) or approx. 27 x 50 (step 2)	twisted	yes	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

06

BIOPSY FORCEPS



BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated or fenestrated with spike, not covered

2



Article no.	With spike	Diameter mm	Length cm
99 06 05 02 80 5		2,3	180
99 06 05 02 81 5	•	2,3	180
99 06 05 02 80 4		2,3	230
99 06 05 02 81 4	•	2,3	230

Figure shows article REF 99 06 05 02 80 4

BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated or fenestrated with spike, covered

2



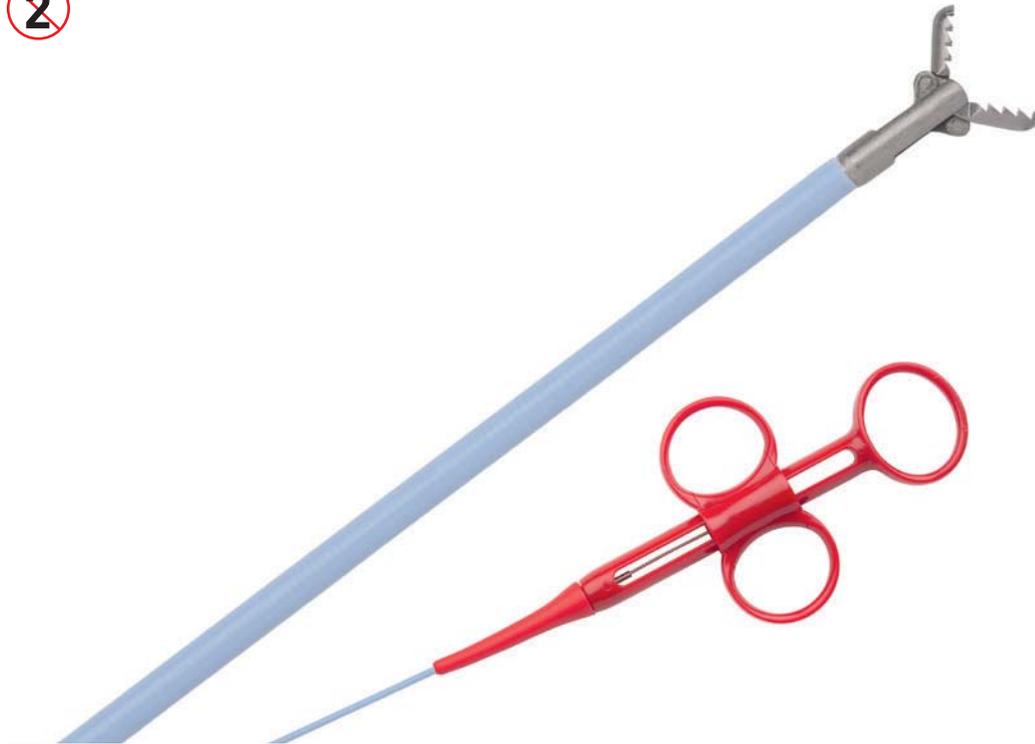
Article no.	With spike	Diameter mm	Length cm
99 06 45 02 80 5		2,3	180
99 06 45 02 81 5	•	2,3	180
99 06 45 02 80 4		2,3	230
99 06 45 02 81 4	•	2,3	230

Figure shows article REF 99 06 45 02 80 5

BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated with alligator jaws, covered

2

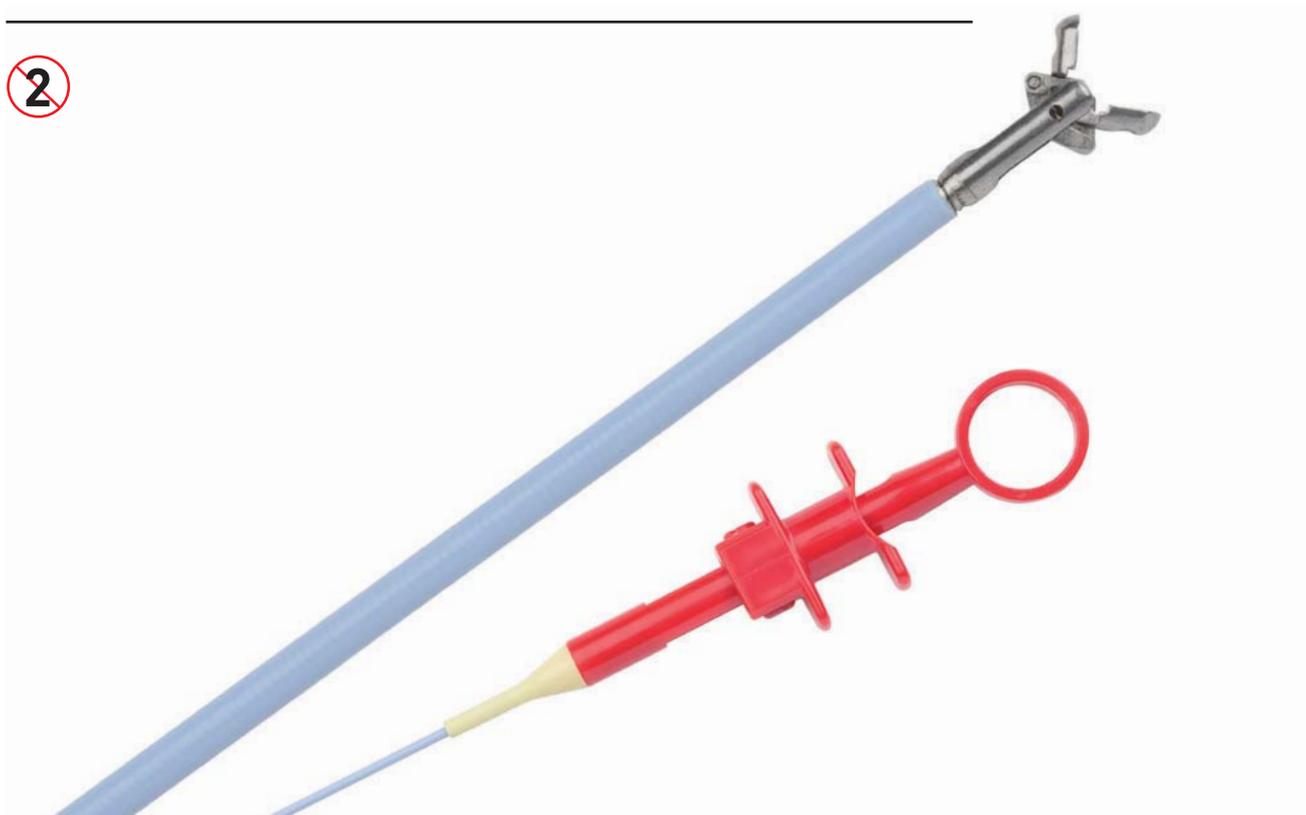


Article no.	Diameter mm	Length cm
99 06 45 02 83 1	2,3	120

BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated or fenestrated with spike, covered

2



Article no.	with spike	Diameter mm	Length cm
99 06 34 02 81 1		1,8	120
99 06 34 02 80 5		1,8	180
99 06 35 02 80 5		2,3	180
99 06 35 02 81 5	•	2,3	180
99 06 35 02 80 4		2,3	230
99 06 35 02 81 4	•	2,3	230
99 06 37 02 80 4		3,0	230

Figure shows article REF 99 06 35 02 80 4

HOT-BIOPSY FORCEPS, OVAL SPOONSHAPED MOUTH

fenestrated

2



Article no.	Diameter mm	Length cm
99 06 25 02 10 4	2,3	230

PUNCTURE BIOPSY FORCEPS

Oval spoonshaped mouth with protruding spike
for taking tissue samples using endoscopic ultrasound-guidance



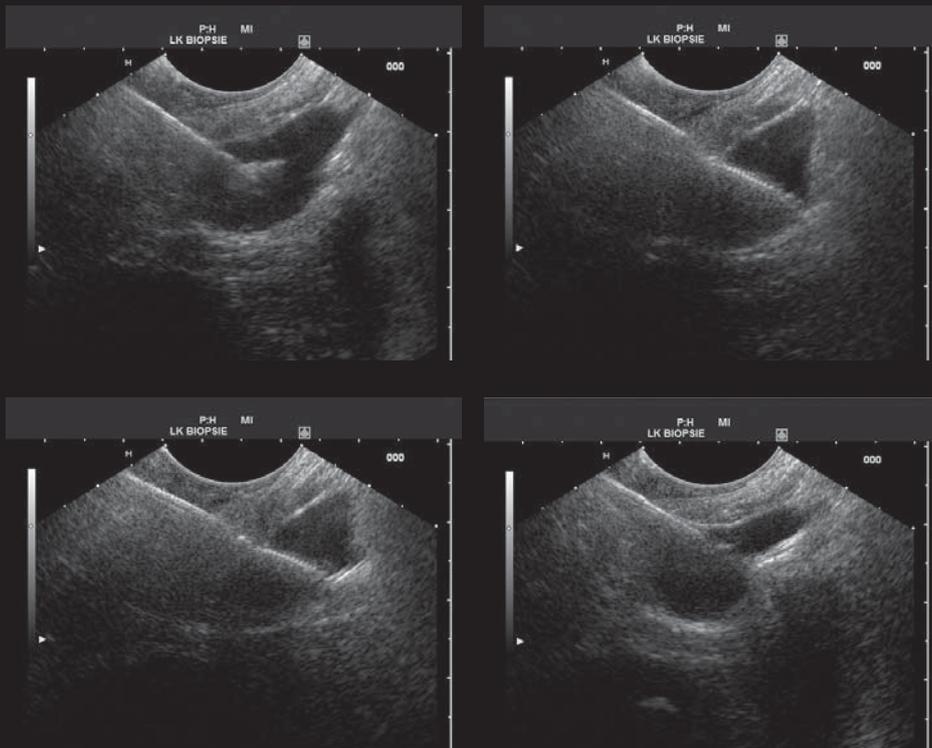


IN THIS SETTING, THE SPIKE AND BRANCHES OF THE FORCEPS ARE IMMOBILE AND PROTECTED BY THE METAL TUBE.

CAUTIOUS MOVEMENT OF THE SPOOL TO OPEN THE BRANCHES OF THE FORCEPS.



LUER-LOCK FOR CONNECTING TO ENDOSCOPE



THE BIOPSY IS ENDOSONOGRAPHICALLY CONTROLLED BY AN EUS DEVICE.

THE BIOPSY IS PARTICULARLY USEFUL WHEN HISTOLOGICAL MATERIAL IS NECESSARY TO CONFIRM THE DIAGNOSIS.

PUNCTURE BIOPSY FORCEPS

Oval spoonshaped mouth with protruding spike for taking tissue samples using endoscopic ultrasound-guidance



FIRST EXPERIENCES WITH A NEW PROTOTYPE OF AN EUS-PUNCTURE BIOPSY FORCEPS

Martin Fährdrich, Marcel Sandmann, Klaus Vormbrock, Michael Heike, Department for Interventional Endoscopy, Medizinische Klinik Mitte, Klinikum Dortmund

Introduction:

Taking tissue samples using endoscopic ultrasound-guidance is normally done using a fine needle puncture and aspiration. Tissue preservation can be improved by using a variety of cuts and needle sizes as well as aspiration techniques. Frequently only individual cells or groups of cells are sampled, which makes cytological preparation possible for the pathologist. Sampling a histological preparation would be desirable in order to also be able to examine the sample using immuno-histological techniques, for example.

Materials:

Puncture biopsy forceps that are extended into the lesion using a fixed endoscopic technique with illuminated inspection is used by pulmonology. Such forceps have a needle cut at the tip and have been equipped with biopsy forcep whose jaws open sideways (see picture).

Analogous to this principle, we conducted the first biopsy attempts, however there was a problem in controlling the depth of penetration and controlling the needle properly, so that an EUS puncture grip was integrated into this needle as a further development on the part of the instrument manufacturer (MTW) (see picture). This succeeded in providing for safe control while also enabling the assistant to operate the biopsy forceps.

Result:

The first application of the new prototype for EUS puncture biopsy forceps demonstrated an advantage in the removal of sample tissue from a cyst wall (pancreatic cyst) and lesions that had not hardened. Sampling histology and performing immuno-histological chemistry (such for GISTs in the stomach) succeeded. Overall, the initial examinations demonstrated results promising success using this new method of sampling histology controlled by EUS. Further series of tests related to comparison with the previous method will be required.

PUNCTURE BIOPSY FORCEPS

oval spoonshaped mouth with protruding spike

2



Article no.	Forceps diameter mm	Tube diameter mm	Tube length cm	Forceps outlet max. cm
99 06 14 02 11 5	1,1	1,95	142,2	7,5

BIOPSY FORCEPS

fenestrated, oval spoonshaped mouth, tapered



Article no.	Diameter mm	Length cm
11 06 14 02 10	1,8	120
06 14 02 10 1	1,8	160
06 14 02 10 4	1,8	230
11 06 15 02 10	2,2	120
06 15 12 10 1	2,2	160
06 15 12 10 5	2,2	180
06 15 12 10 4	2,2	230
06 16 02 10 1	2,6	160
06 16 02 10 4	2,6	230

Figure shows article REF 06 14 02 10 4

BIOPSY FORCEPS

fenestrated, oval spoonshaped mouth, with spike, tapered



Article no.	Diameter mm	Length cm
11 06 14 02 11	1,8	120
06 14 02 11 4	1,8	230
06 15 12 11 1	2,2	160
06 15 12 11 5	2,2	180
06 15 12 11 4	2,2	230
06 16 02 11 1	2,6	160
06 16 02 11 4	2,6	230

Figure shows article REF 06 14 02 11 4

BIOPSY FORCEPS

oval spoons shaped mouth, toothed



Article no.	Diameter mm	Length cm
06 10 03 00 4	0,75	230
06 11 03 00 3	1,0	230

Figure shows article REF 06 11 03 00 3

HOT-BIOPSY FORCEPS

oval spoonshaped mouth



Article no.	Diameter mm	Length cm
06 25 02 00 4	2,2	230
06 26 02 00 4	2,6	230

Figure shows article REF 06 25 02 00 4

The hot-biopsy forceps are isolated with a PTFE coat and do have a lateral injection port.

HIGH FREQUENCY CLAMP

model Dr. Straumann



Article no.	Shape of high frequency clamp	Diameter mm	Length cm
06 26 00 00 4	2 grasping arms with cross grooves	2,2	230

The high frequency clamp is isolated with a PTFE coat and do has a lateral injection port.

BIOPSY FORCEPS

controllable, oval spoonshaped mouth, fenestrated



Article no.	Diameter mm	Length cm
11 06 46 02 10	2,6	120
06 46 02 10 5	2,6	180

Figure shows article REF 06 46 02 10 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.

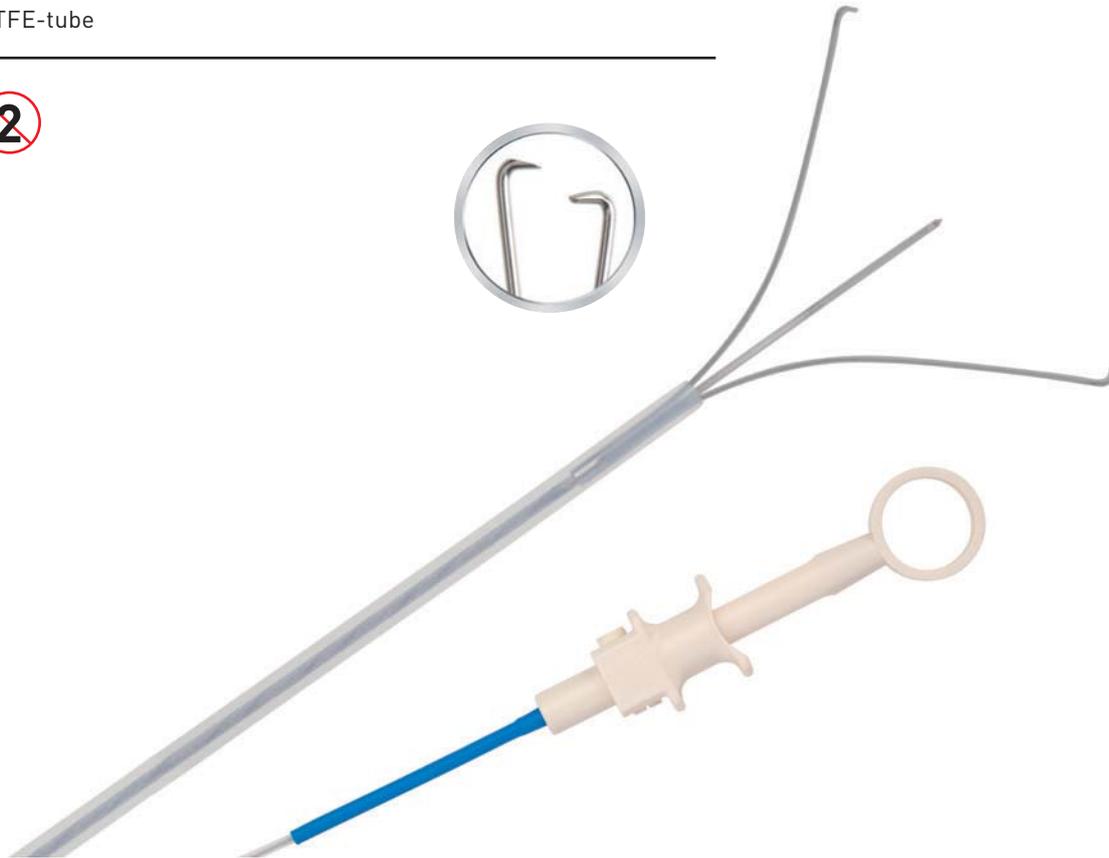
FOREIGN BODY REMOVING 07
FORCEPS
POLYPOTOMES
POLYP TRAP NET LOOPS

FOREIGN BODY REMOVING FORCEPS



FOREIGN BODY REMOVING FORCEPS

PTFE-tube



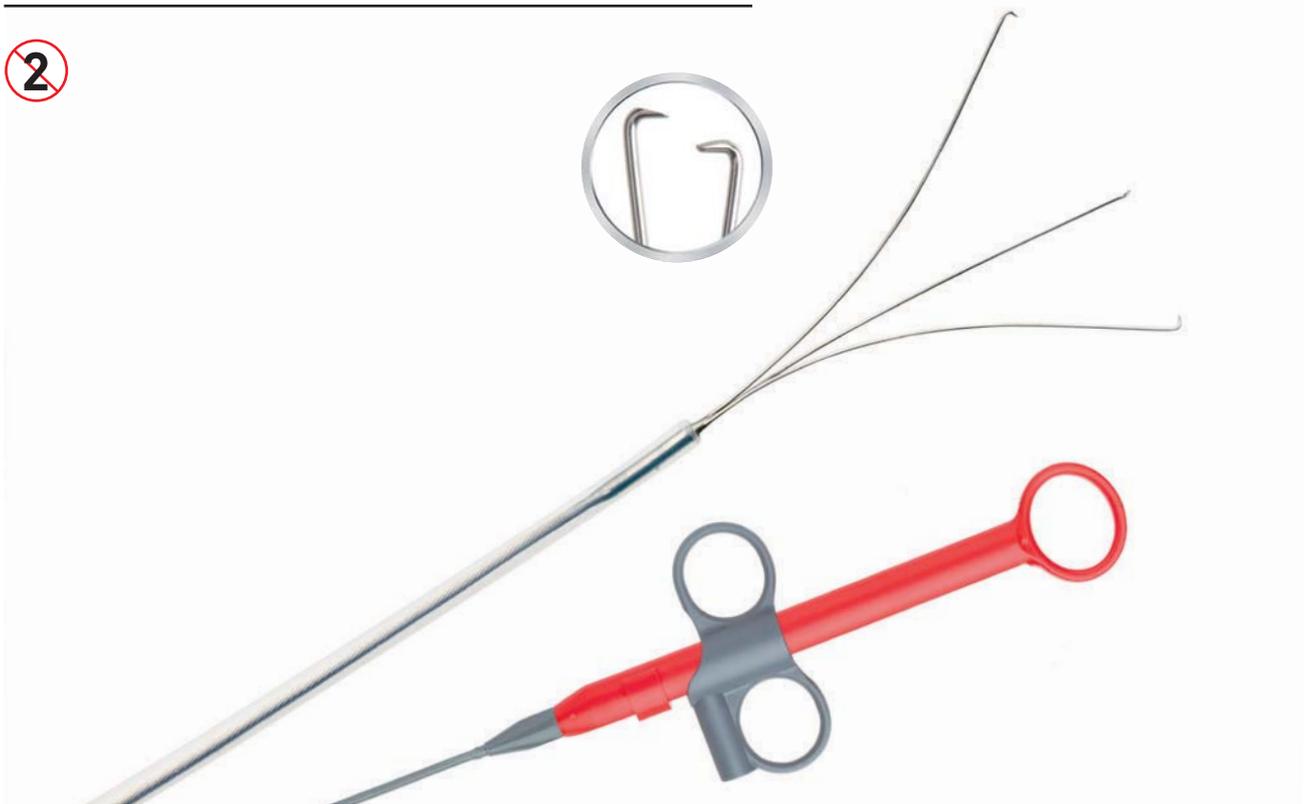
Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
99 07 20 12 3	30	3	2,5	230
99 07 34 02 3	30	4	2,5	230

Figure shows article REF 99 07 20 12 3

FOREIGN BODY REMOVING FORCEPS

PTFE- tube

2

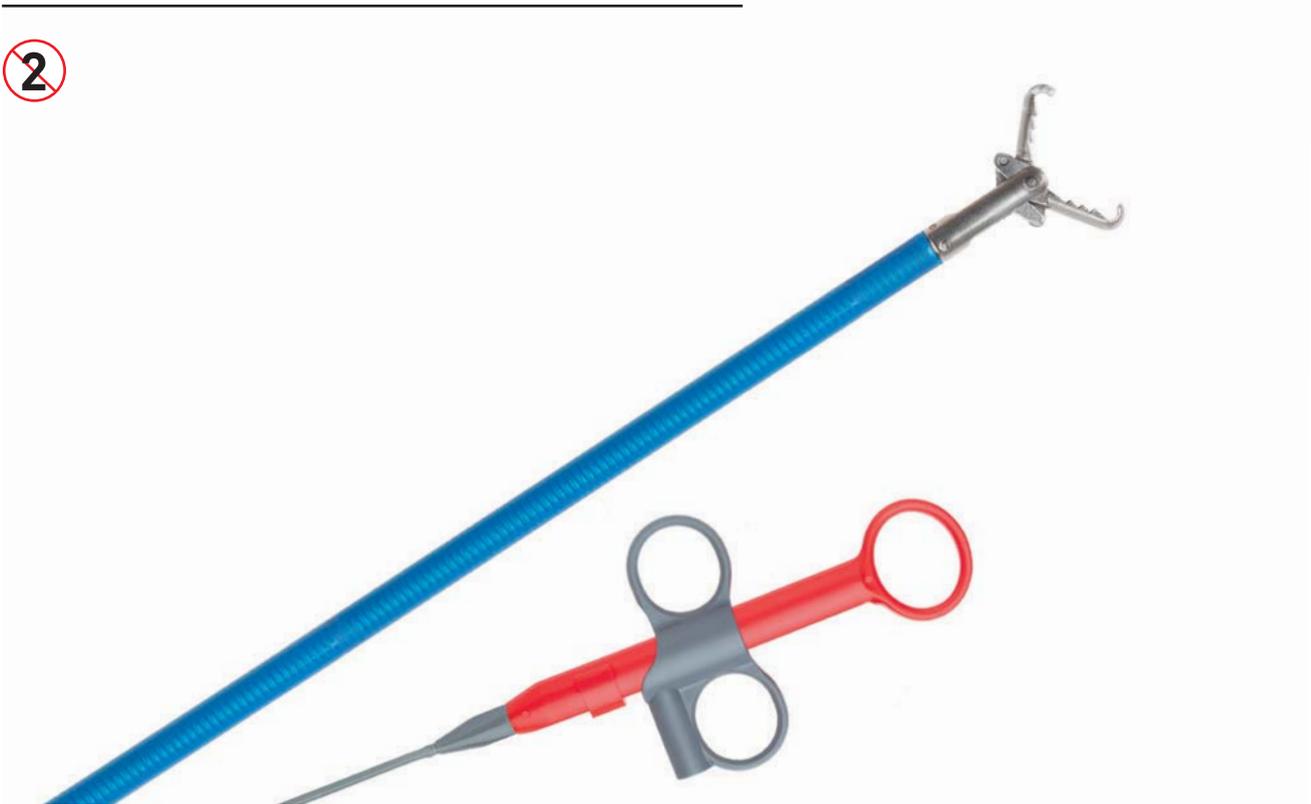


Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
99 07 23 12 3	30	3	2,3	230

FOREIGN BODY REMOVING FORCEPS

short alligator mouth, 1 to 2 teeth, coated

2



Article no.	Opening dimension mm	Diameter mm	Length cm
99 07 21 32 0	7,5	2,3	230
99 07 11 32 0	9	1,8	230

Figure shows article REF 99 07 21 32 0

FOREIGN BODY REMOVING FORCEPS

long alligator mouth, 1 to 2 teeth, coated

2

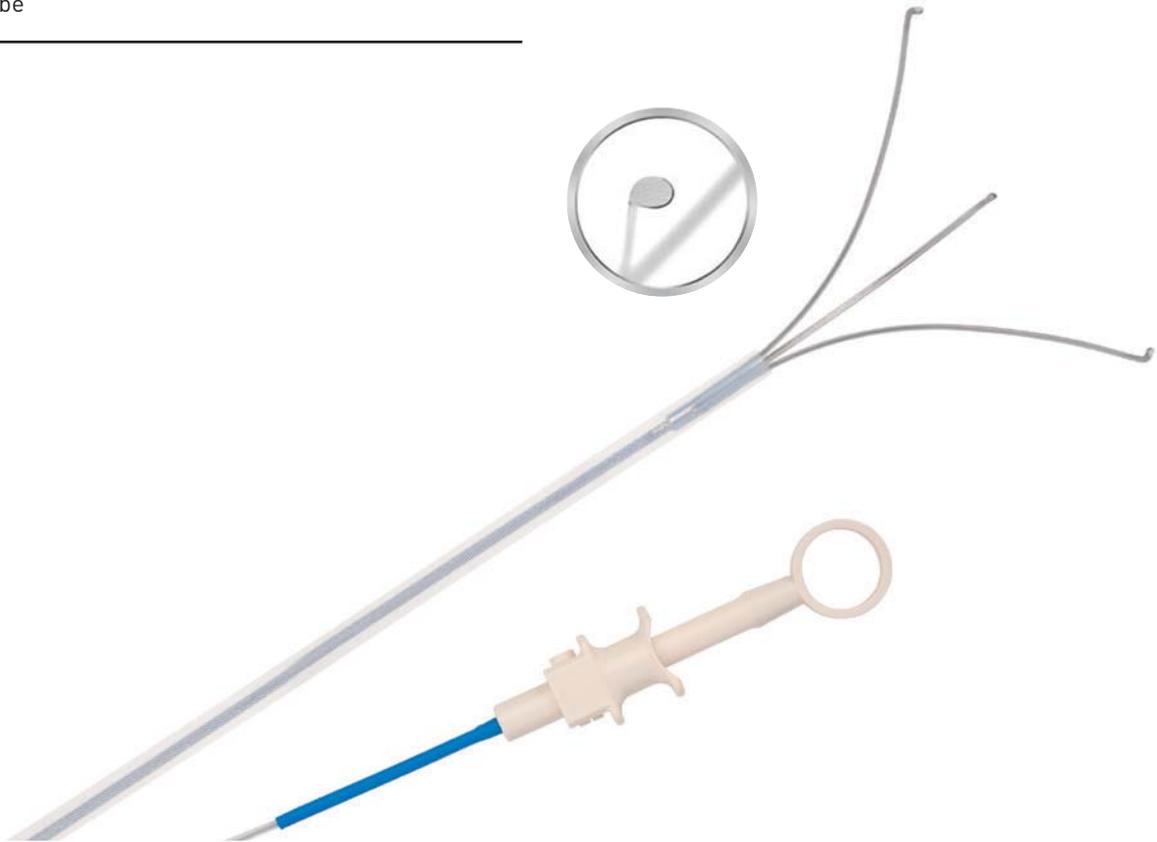


Article no.	Opening dimension mm	Diameter mm	Length cm
99 07 21 42 0	15,5	2,3	230

POLYPOTOME

PTFE-tube

2

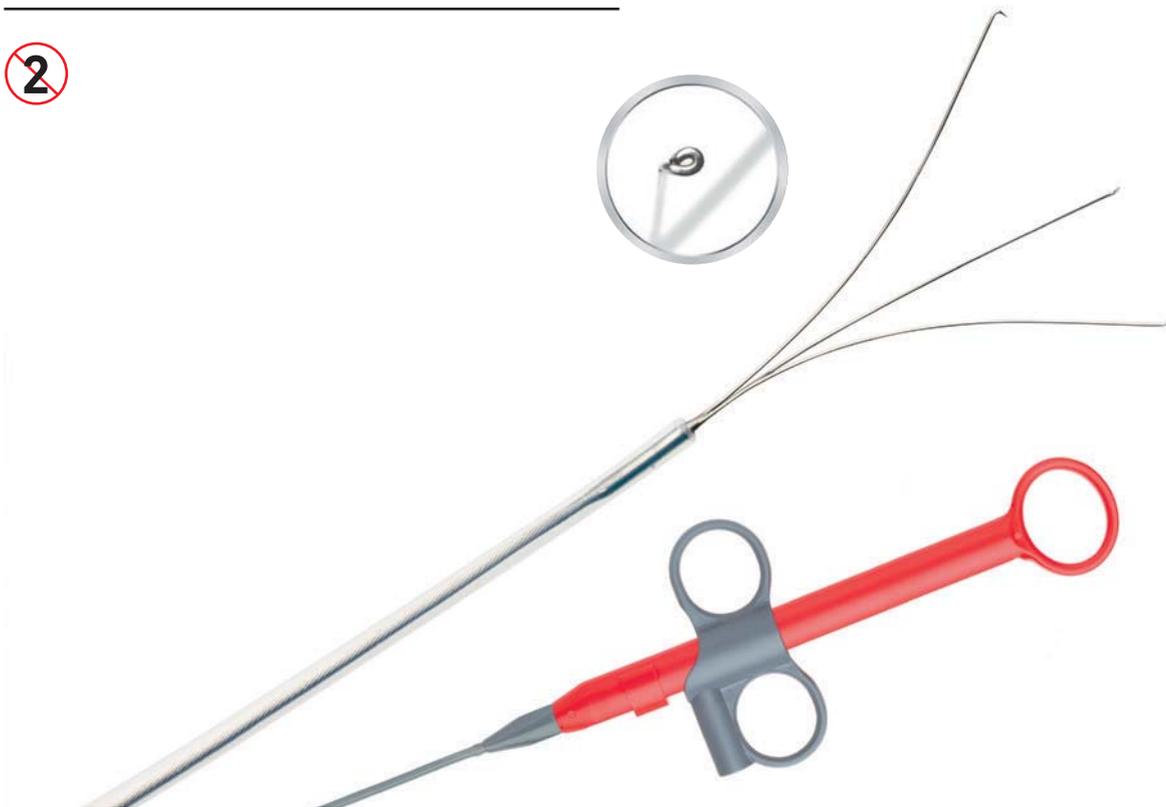


Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
99 07 20 22 3	30	3	2,5	230

POLYPOTOMES

PTFE-tube

2

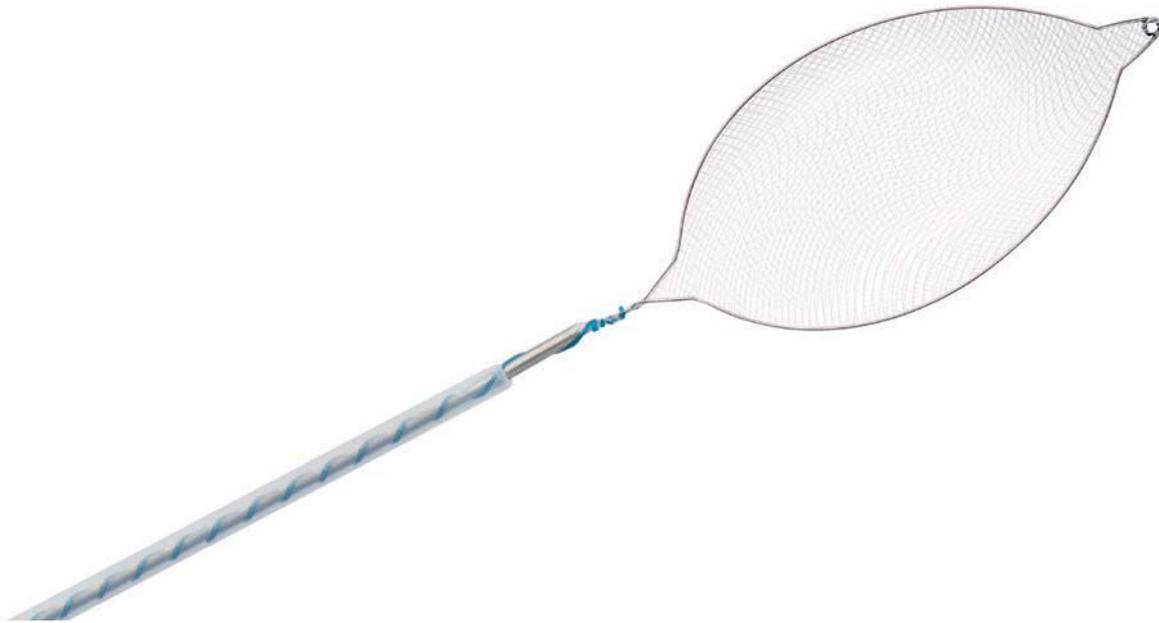


Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
99 07 23 22 3	30	3	2,3	230
99 07 24 22 3	30	4	2,3	230

Figure shows article REF 99 07 23 22 3

POLYP TRAP NET LOOPS „POLYP CATCHER“

2



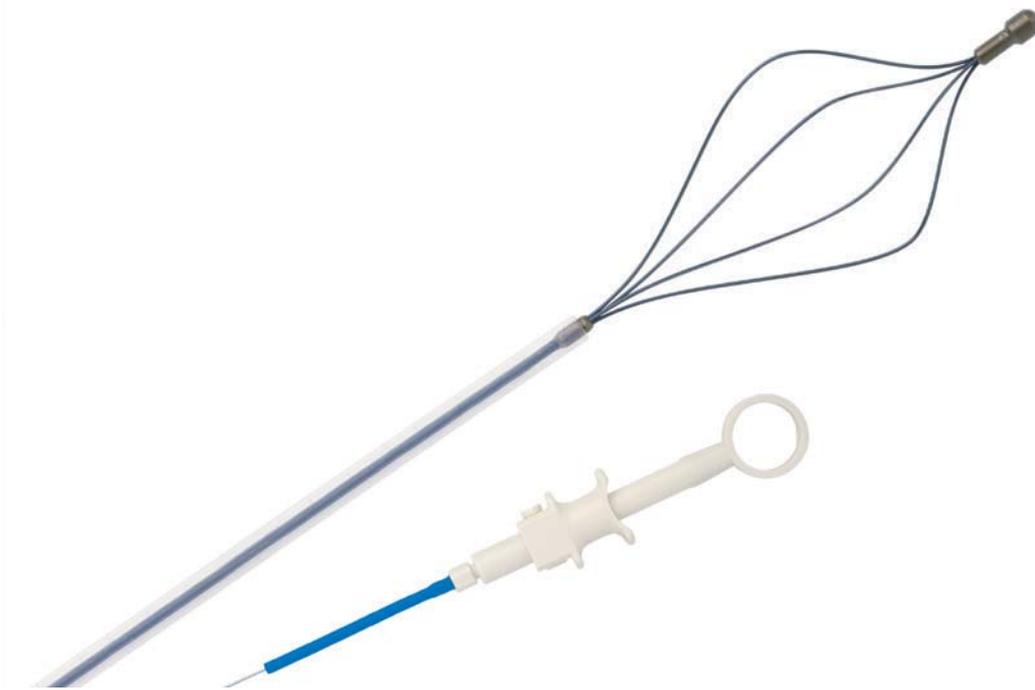
Article no.	Opening dimension width x height mm	Diameter mm	Length cm
99 07 30 23 0	30 x 60	2,5	230
99 07 40 23 0	40 x 75	2,5	230

Figure shows article REF 99 07 30 23 0

BASKET FOR FOREIGN BODIES, NITINOL

for bronchoscopy

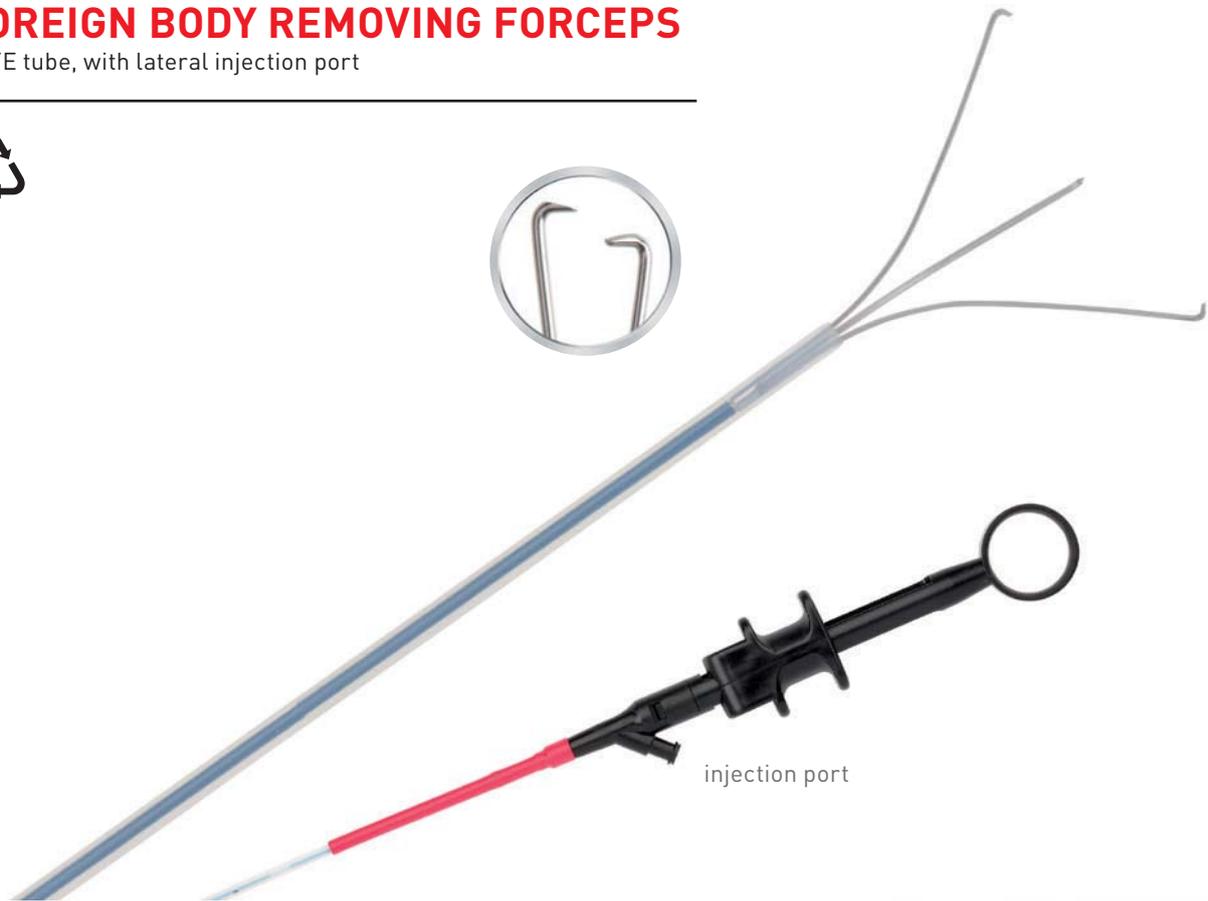
2



Article no.	Basket expanded dimension mm		Basket type	Diameter mm	Length cm
	Opening width	Opening length			
99 11 03 11 23 02	15	25	straight	1,8	120

FOREIGN BODY REMOVING FORCEPS

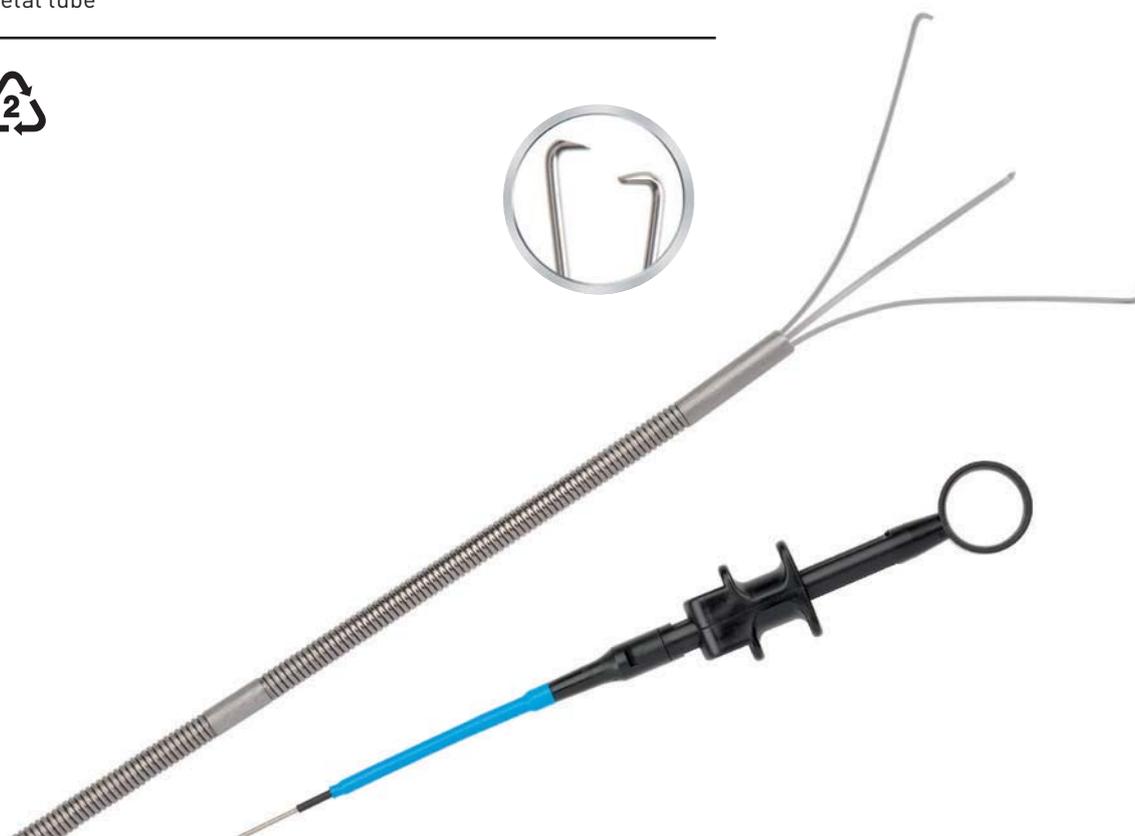
PTFE tube, with lateral injection port



Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
07 20 12 3	30	3	2,5	230

FOREIGN BODY REMOVING FORCEPS

metal tube



Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
11 07 10 1	20	3	1,8	120
13 07 10 12 0	20	3	1,8	250

Figure shows article REF 11 07 10 1

FOREIGN BODY REMOVING FORCEPS

metal tube



Article no.	Opening dimension mm	Forceps shape	Diameter mm	Length cm
11 07 10 7	7,8	oval spoon shaped, toothed	1,8	120
11 07 20 7	7,2	oval spoon shaped, toothed	2,2	120

Figure shows article REF 11 07 10 7

FOREIGN BODY REMOVING FORCEPS

metal tube



Article no.	Opening dimension mm	Forceps shape	Diameter mm	Length cm
07 21 02 0	8	long alligator mouth, flat jaws with cross and lengthways grooves	2,2	230

FOREIGN BODY REMOVING FORCEPS

metal tube



Article no.	Opening dimension mm	Forceps shape	Diameter mm	Length cm
11 07 10 6	4,8	flat jaws with 1 to 2 teeth	1,8	120
07 10 62 0	4,8	flat jaws with 1 to 2 teeth	1,8	230
07 20 62 0	7	flat jaws with 1 to 2 teeth	2,2	230

Figure shows article REF 07 10 62 0

FOREIGN BODY REMOVING FORCEPS „PEG-FORCEPS“

metal tube



Article no.	Opening dimension mm	Diameter mm	Length cm
07 21 23 0	8	2,6	180

FOREIGN BODY REMOVING FORCEPS, TISSUE FIXATION FORCEPS

metal tube



Article no.	Opening dimension mm	Diameter mm	Length cm
07 21 24 0	8	2,6	185

FOREIGN BODY REMOVING FORCEPS, GRASPING FORCEPS FOR NUTRITION PROBES

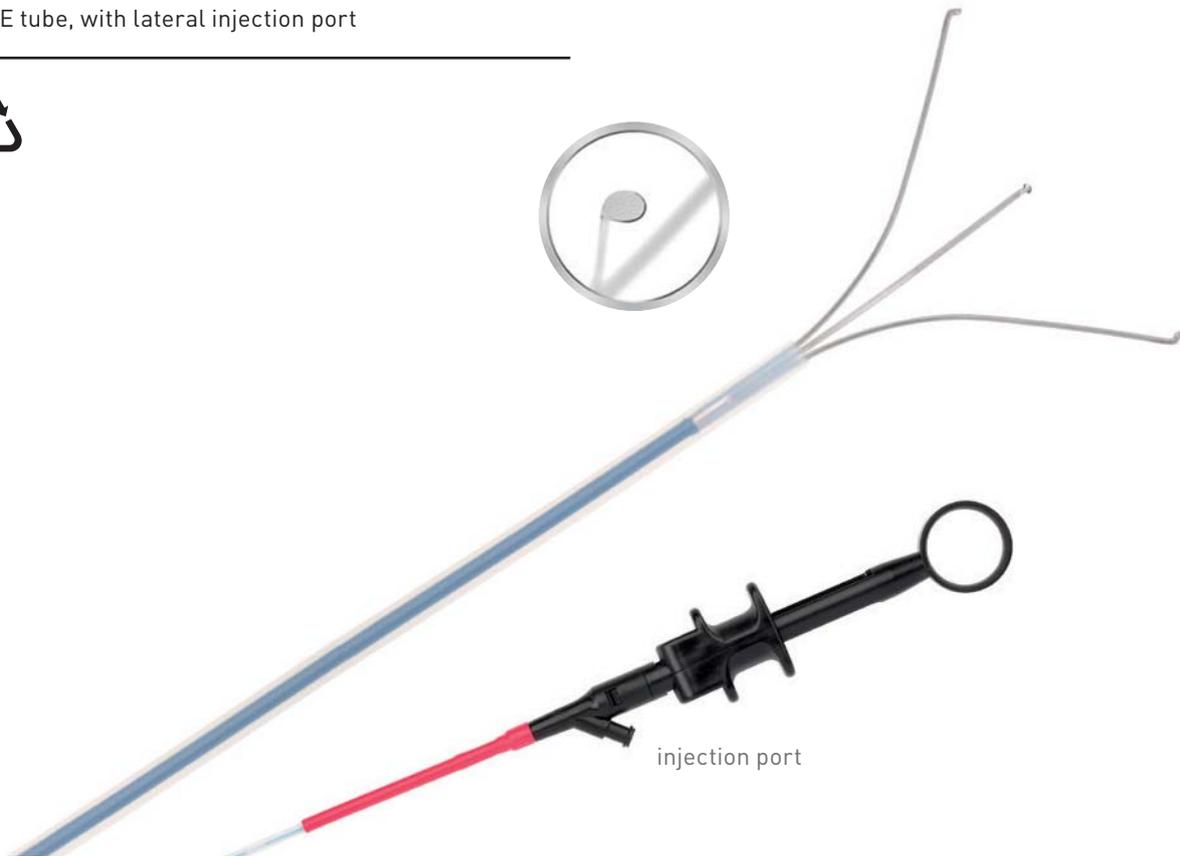
metal tube



Article no.	Opening dimension mm	Diameter mm	Length cm
07 31 24 3	10	2,5	320

POLYPOTOMES

PTFE tube, with lateral injection port



Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
07 20 22 3	30	3	2,5	230
07 34 42 3	30	4	2,5	230
07 35 52 3	30	5	2,5	230

Figure shows article REF 07 20 22 3

POLYPOTOME, STATIONARY

PTFE tube, with lateral injection port



injection port

Article no.	Opening dimension mm	Number of arms	Diameter mm	Length cm
07 20 22 4	25	3	2,6	230

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

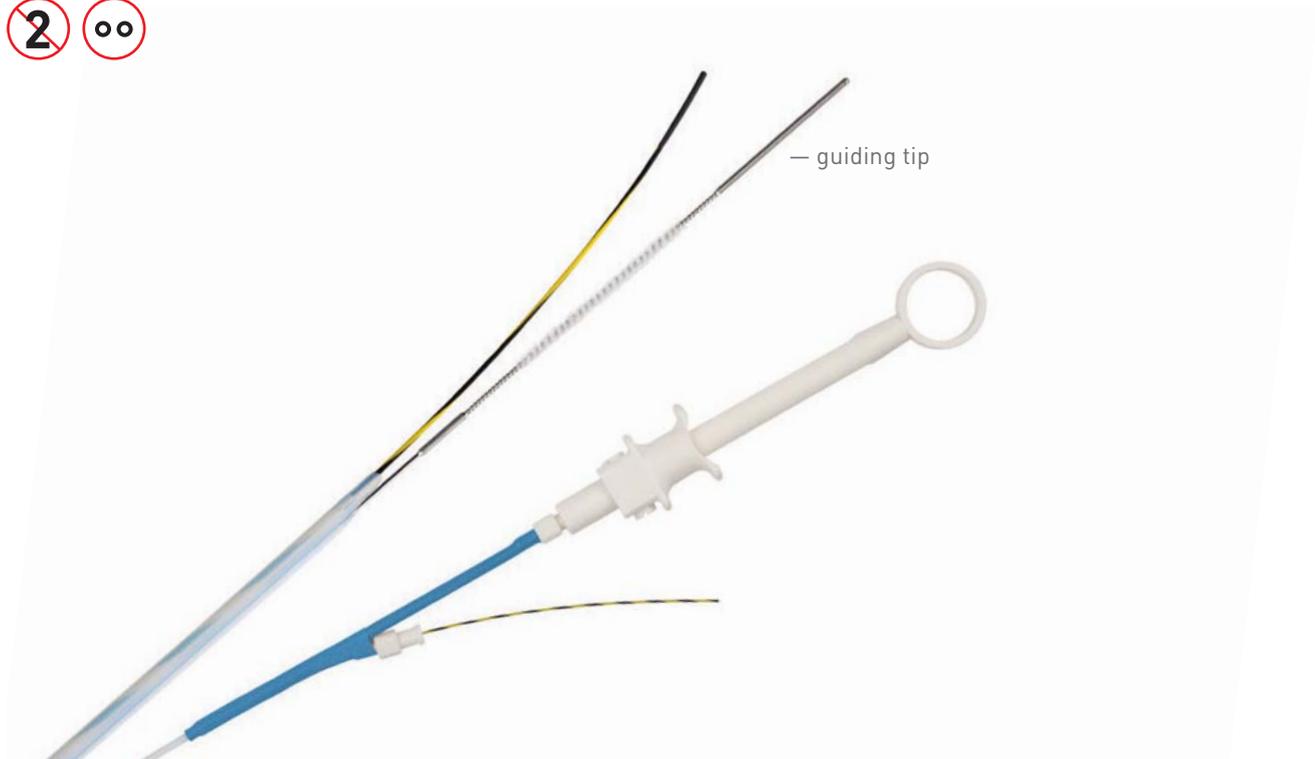


Article no.	Brush diameter mm	Diameter mm	Length cm	Name
08 32 01 1	2,5	1,75	120	Broncho-Set
08 33 11 1	3,0	2,35	160	Gastro-Set
08 33 21 1	3,0	2,35	220	Colo-Set

Figure shows article REF 08 32 01 1

CYTOLOGY BRUSH

double-lumen, with guiding tip, for guide wire



Article no.	Brush diameter mm	For guide wire inch	Diameter mm	Length cm
08 21 28 1	2,5	0.035	2,7	200

CYTOLOGY BRUSH, WITH METAL BALL



Article no.	Brush diameter mm	Diameter ball mm	Diameter mm	Length cm
13 08 12 20 1	2,0	1,8	1,8	250

CLEANING BRUSHES



CLEANING BRUSHES, ONE-SIDED

2



Article no.	Brush diameter mm	Working channel mm	Diameter mm	Length cm
08 41 25 0	1,8	1,0 - 1,6	0,8	230
08 43 05 0	3,0	1,8	1,6	100
08 43 05 0 x 10	3,0	1,8	1,6	100
08 43 15 0	3,0	1,8	1,6	180
08 43 15 0 x 10	3,0	1,8	1,6	180
08 43 25 0	3,0	1,8	1,6	230
08 43 25 0 x 10	3,0	1,8	1,6	230
08 43 35 0	3,0	1,8	1,6	280
08 45 15 0	5,0	2,8	1,8	180
08 45 15 0 x 10	5,0	2,8	1,8	180
08 45 25 0	5,0	2,8	1,8	230
08 45 25 0 x 10	5,0	2,8	1,8	230
08 45 35 0	5,0	2,8	1,8	280

Figure shows article REF 08 41 25 0

CLEANING BRUSHES, DOUBLE-SIDED



Article no.	Brush diameter mm	Working channel mm	Diameter mm	Length cm
08 43 15 2	3,0	1,8	1,6	180
08 43 15 2 x 10	3,0	1,8	1,6	180
08 43 25 2	3,0	1,8	1,6	230
08 43 25 2 x 10	3,0	1,8	1,6	230
08 45 15 2	5,0	2,8	1,8	180
08 45 15 2 x 10	5,0	2,8	1,8	180
08 45 25 2	5,0	2,8	1,8	230
08 45 25 2 x 10	5,0	2,8	1,8	230
08 45 35 2	5,0	2,8	1,8	280
08 48 25 2	8,0	4,2	1,8	230
08 48 25 2 x 10	8,0	4,2	1,8	230

Figure shows article REF 08 43 15 2

CLEANING BRUSH FOR BIOPSY VALVE

2



Article no.	Diameter brush 1 mm	Diameter brush 2 mm	Length cm
08 11 05	11	5	15,5
08 11 05 x 10	11	5	15,5

CLEANING BRUSHES, DOUBLE-SIDED



Article no.	Brush diameter mm	Working channel mm	Diameter mm	Length cm
08 03 10 2	3,0	2,0	1,8	160
08 03 20 2	3,0	2,0	1,8	230
08 05 10 2	5,0	2,8	1,8	160
08 05 20 2	5,0	2,8	1,8	230

Figure shows article REF 08 05 10 2

CLEANING BRUSHES, ONE-SIDED



Article no.	Brush diameter mm	Working channel mm	Diameter mm	Length cm
08 03 10 1	3,0	2,0	1,8	160
08 03 20 1	3,0	2,0	1,8	230
08 05 10 1	5,0	2,8	1,8	160
08 05 20 1	5,0	2,8	1,8	230

Figure shows article REF 08 05 10 1

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.

INJECTION NEEDLES



INJECTION NEEDLES

with click-lock-system, pinpoint working



Article no.	Cannula diameter mm	Needle length mm	Metal tip	Diameter mm	Length cm
09 10 51 82 11	0,5	5	-	1,75	180
09 10 52 31 12	0,5	3	x	2,35	230
09 10 52 31 12 x 50	0,5	3	x	2,35	230
09 10 71 82 12	0,7	5	x	2,35	180
09 10 71 82 12 AS	0,7	5	x	2,35	180
09 10 72 32 12	0,7	5	x	2,35	230
09 10 72 32 12 AS	0,7	5	x	2,35	230
09 10 72 81 11	0,7	5	-	1,75	280
09 10 72 82 12	0,7	5	x	2,35	280
09 11 01 82 12	1,0	5	x	2,35	180
09 11 02 32 12	1,0	5	x	2,35	230
09 11 02 32 12 AS	1,0	5	x	2,35	230

Figure shows article REF 09 10 72 32 12

INJECTION NEEDLE, SET FOR HISTOACRYL

2



Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
99 09 30 72 32 07	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
99 09 27 52 34 26	0,5 / 0,7	6	2,6	230
99 09 27 72 34 26	0,7 / 0,7	6	2,6	230

Figure shows article REF 99 09 27 72 34 26

INJECTION NEEDLE FOR HEMOSTASIS

with metal tube

2



Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
99 09 30 72 31 07	0,7	5	2,3	230

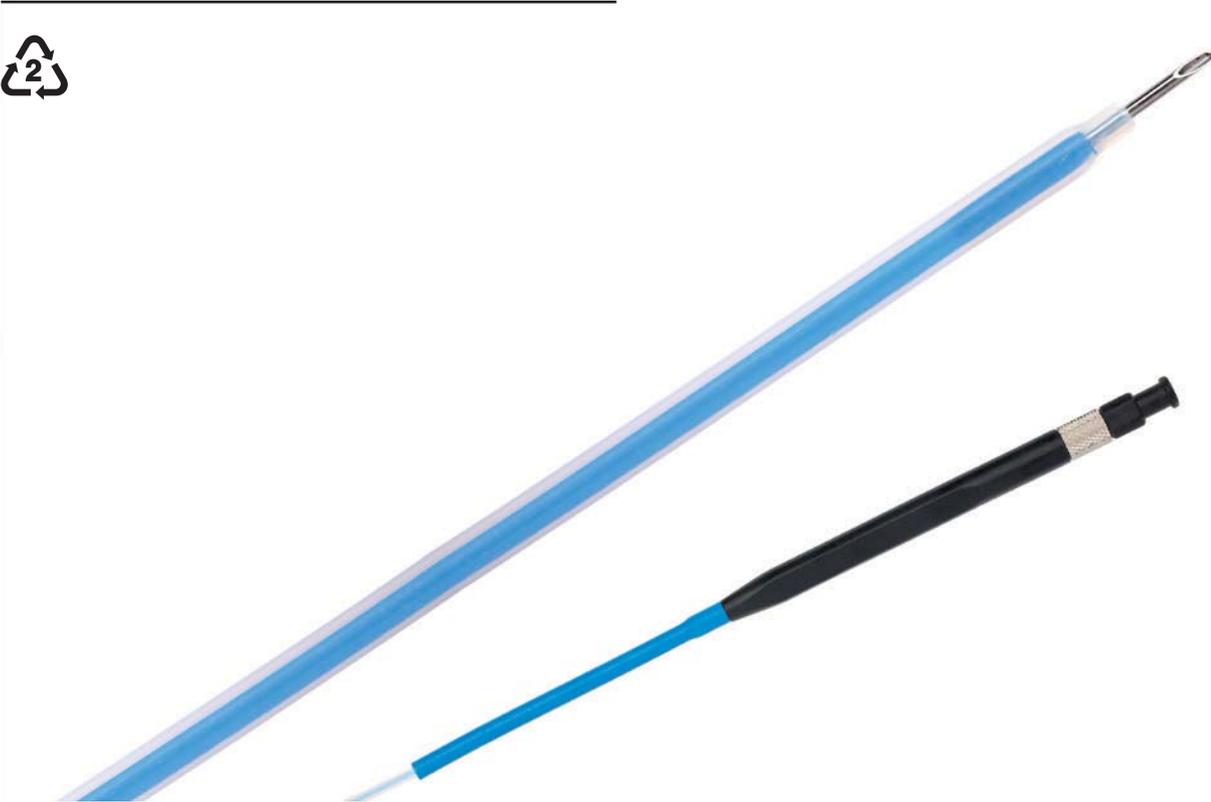
ASPIRATION NEEDLE

2



Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
09 10 71 22 16	0,7	10	1,75	120

INJECTION NEEDLES



Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
09 10 51 82 18	0,5	5	1,8	180
09 10 71 82 18	0,7	5	1,8	180
09 10 72 32 23	0,7	5	2,3	230

Figure shows article REF 09 10 51 82 18

INJECTION NEEDLES

with lateral nozzle to wash-out



Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
09 10 71 85 23	0,7	5	2,3	180
09 10 72 35 23	0,7	5	2,3	230

Figure shows article REF 09 10 71 85 23

INJECTION NEEDLE

with metal tube



Article no.	Cannula diameter mm	Extended cannula length mm	Diameter mm	Length cm
09 10 72 31 23	0,7	5	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 double- and single-balloon enteroscopy, 550 cm



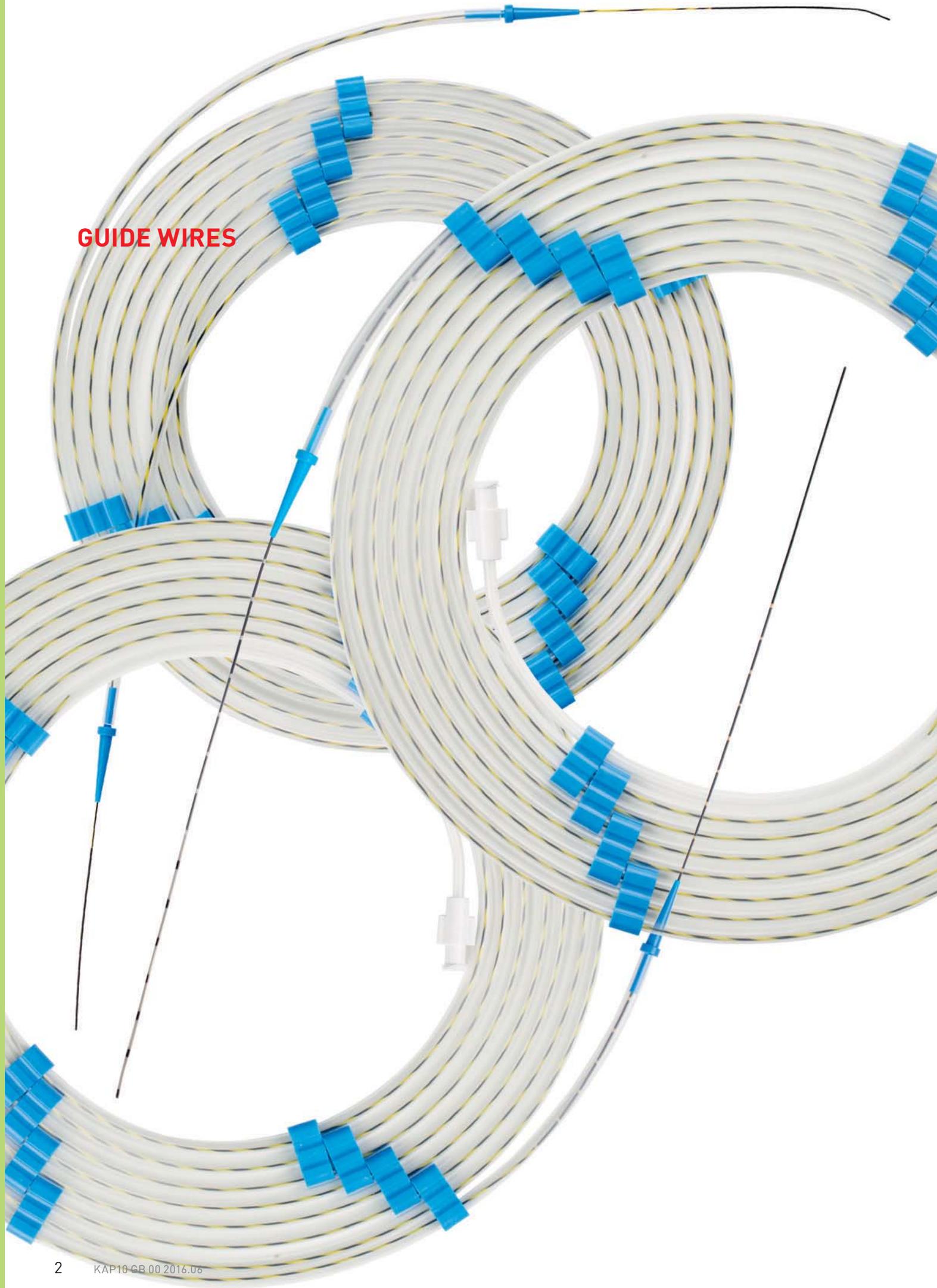
— Suitable for bronchoscopy, 120 cm



— Extra long

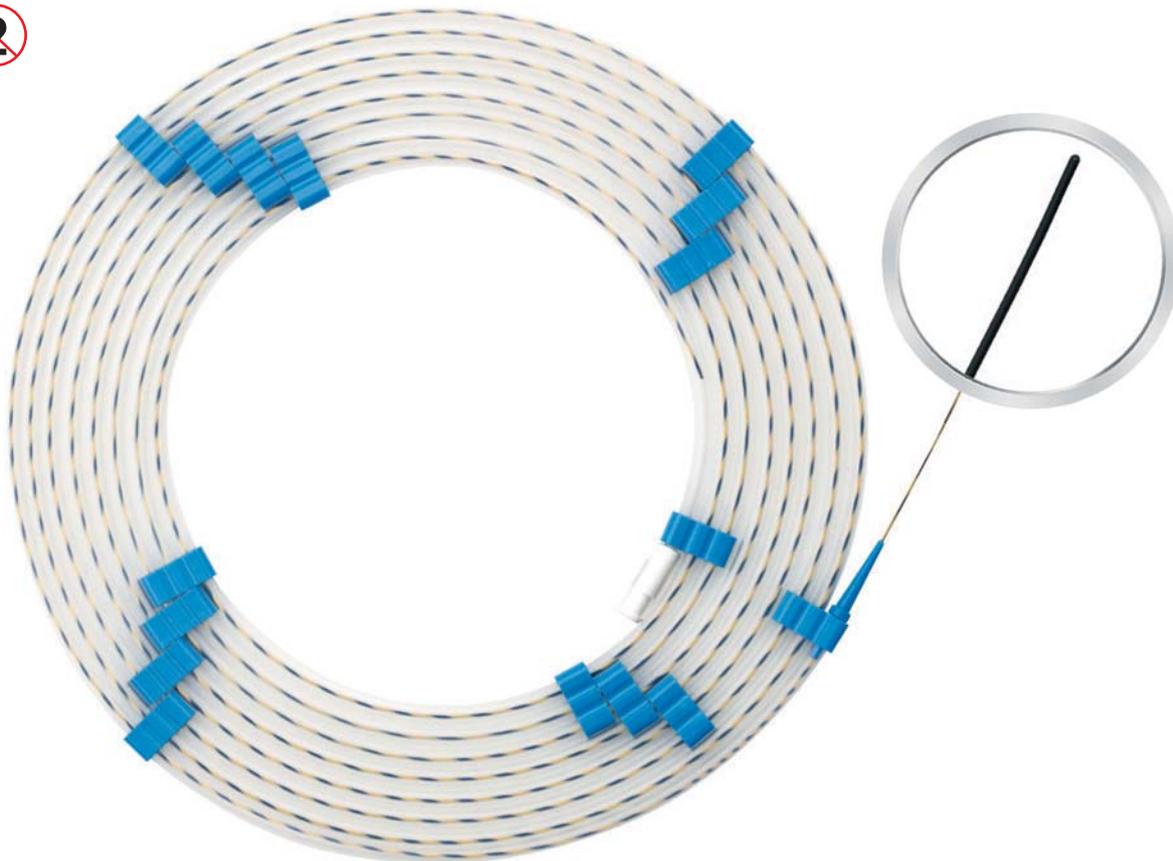
We reserve the right to make technical changes and to deviate from the depicted images.

GUIDE WIRES



GUIDE WIRES „SNAP-TIP“

kink-resistant, Nitinol



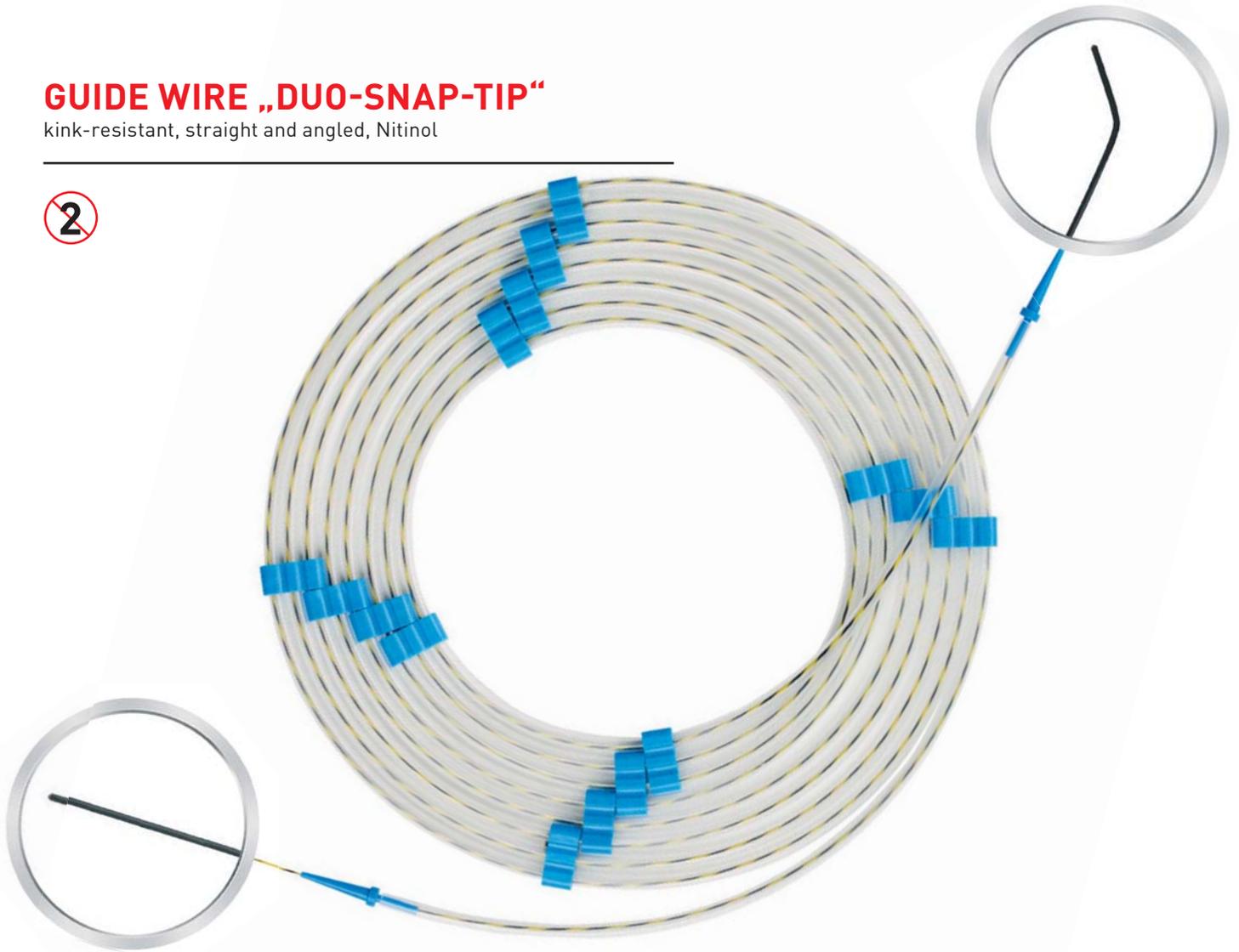
Article no.	Guidewire tip	Color version coiled	Diameter inch	Length cm
00 29 26	straight, „Snap-Tip“	green-black	0.025	260
00 29 46	straight, „Snap-Tip“	green-black	0.025	460
00 29 55	straight, „Snap-Tip“	green-black	0.025	550
00 39 01	angled, „Snap-Tip“	yellow-black	0.035	400
00 39 26	straight, „Snap-Tip“	yellow-black	0.035	260
00 39 46	straight, „Snap-Tip“	yellow-black	0.035	460
00 39 55	straight, „Snap-Tip“	yellow-black	0.035	550

Figure shows article REF 00 39 46

GUIDE WIRE „DUO-SNAP-TIP“

kink-resistant, straight and angled, Nitinol

2

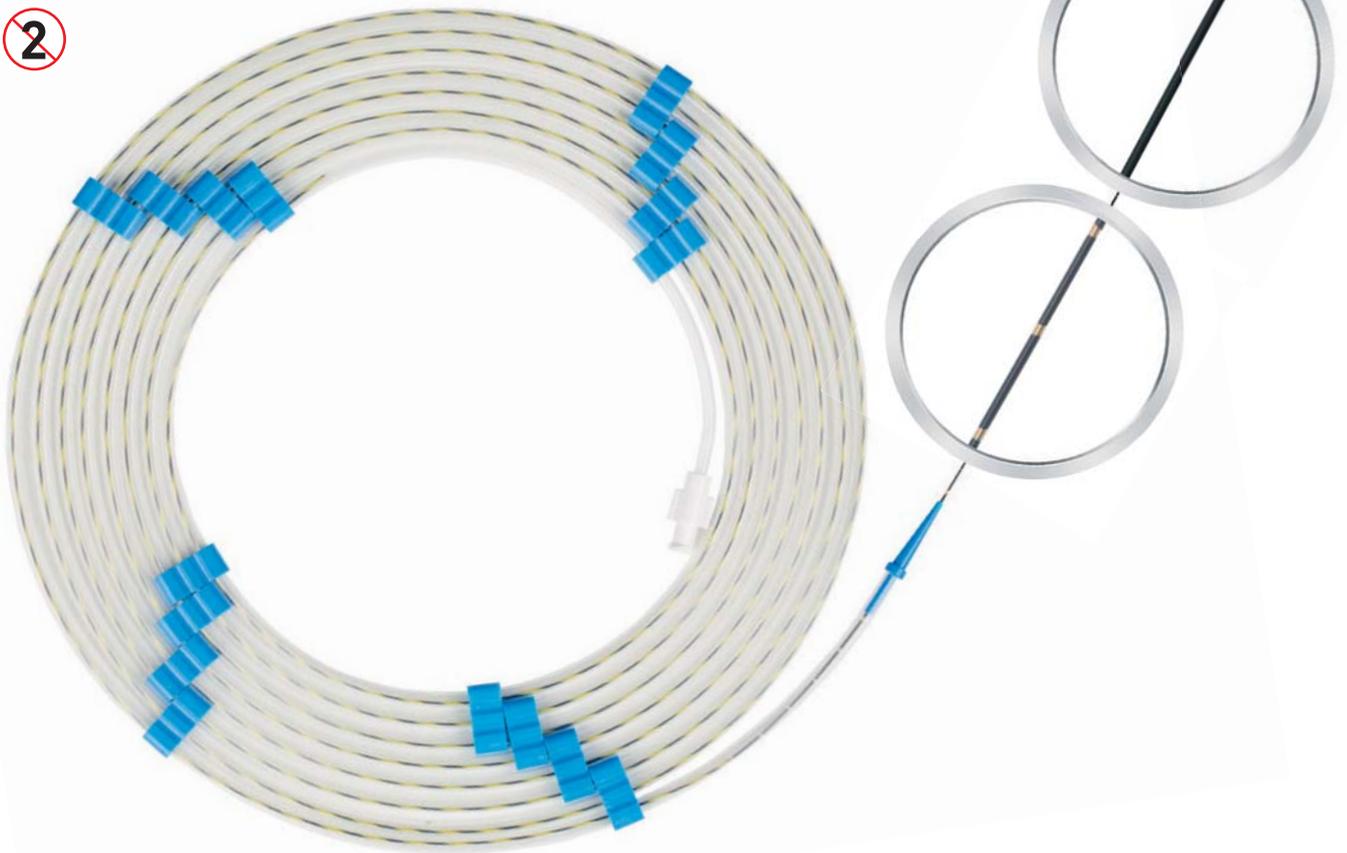


Article no.	Guidewire tip	Color version coiled	Diameter inch	Length cm
00 43 46	1 x straight + 1 x angled, „Snap-Tip“	yellow-black	0.035	460

GUIDE WIRE „GOLD-STAR“ WITH „SNAP-TIP“

kink-resistant, Nitinol

②



Article no.	Guidewire tip	Color version coiled	Diameter inch	Length cm
00 40 46	straight „Snap-Tip“	yellow-black	0.035	460

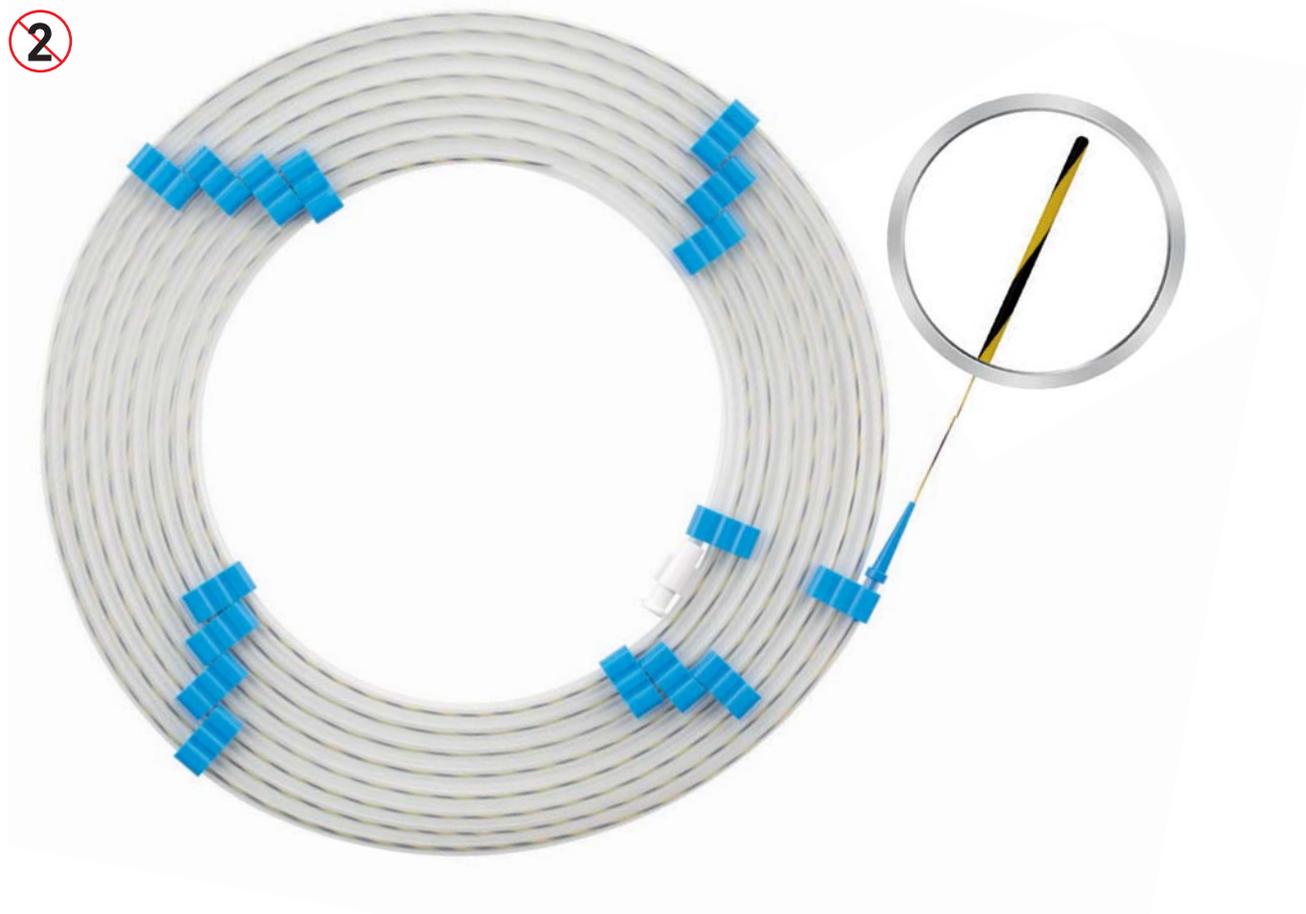
The guide wire is equipped with 18 visible endoscopic and X-ray gold marks



GUIDE WIRES, NITINOL

kink-resistant, 50 mm flexible platinum tip

2



Article no.	Guidewire tip	Color version coiled	Diameter inch	Length cm
00 22 46	straight platinum tip	green-black	0.025	460
00 32 46	straight platinum tip	yellow-black	0.035	460

Figure shows article REF 00 32 46

GUIDE WIRE

with flexible tip for esophageal bougie

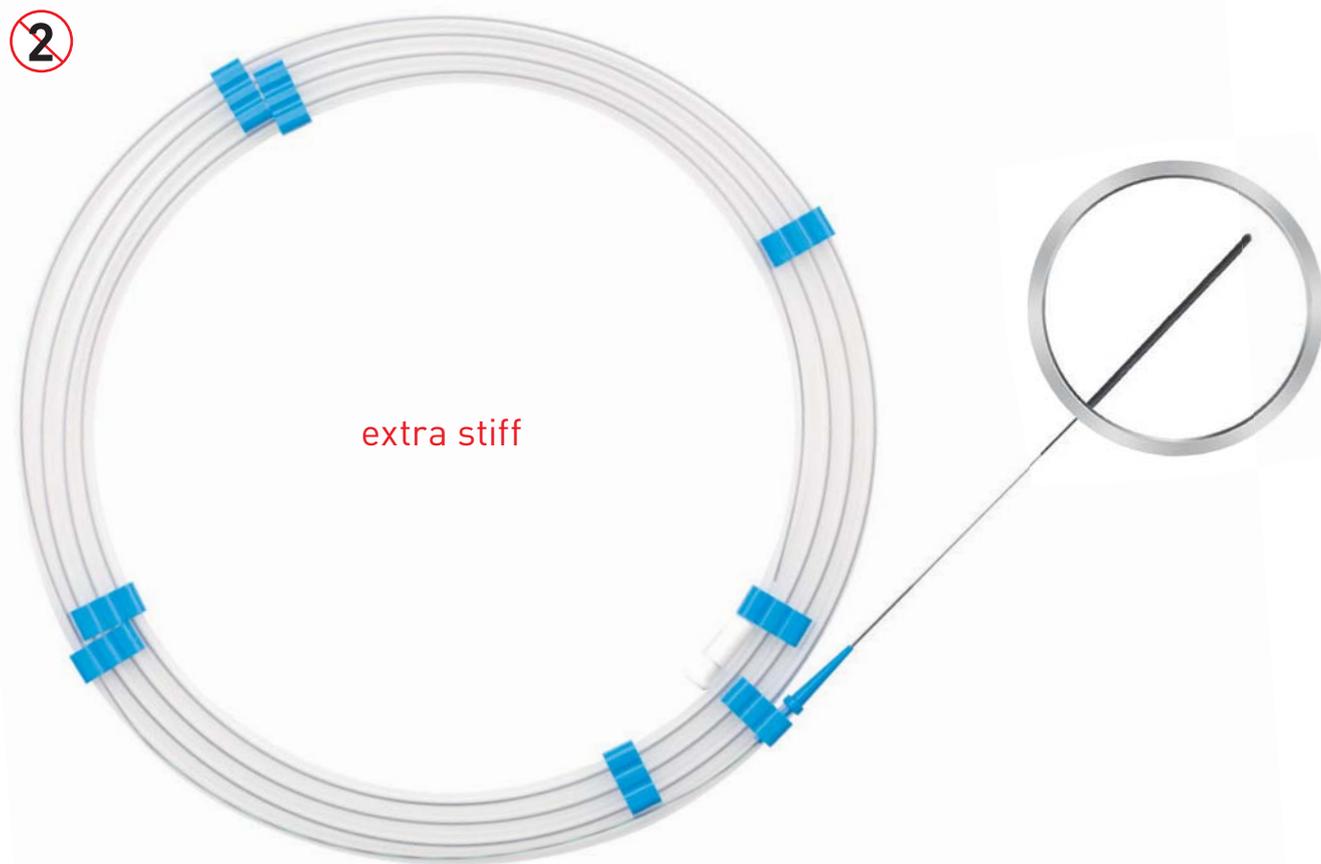


Article no.	Guidewire tip	Diameter inch	Length cm
00 88 21 5	stainless steel spring	0.079 / 0.035	215

GUIDE WIRE

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

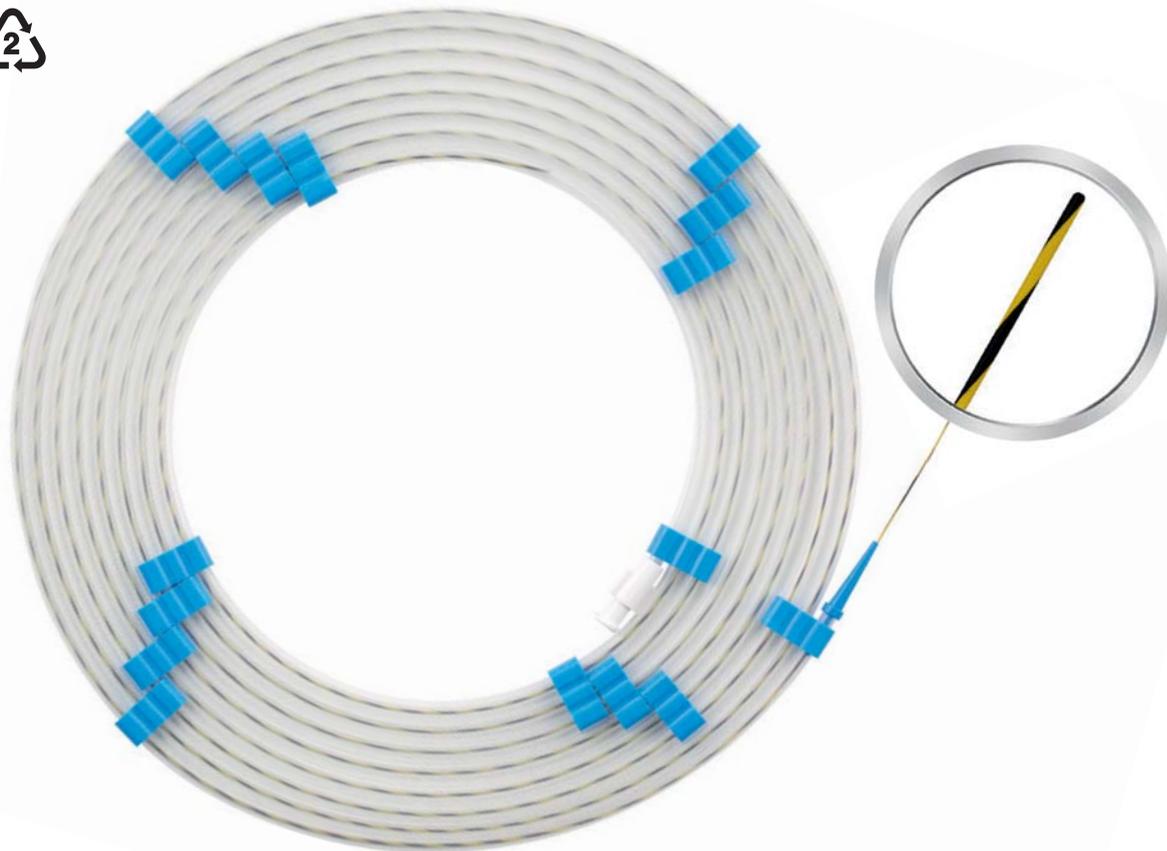
2



Article no.	Guidewire tip	Diameter inch	Length cm
00 41 26	Nitinol	0.035	260

GUIDE WIRES, NITINOL

kink-resistant, 50 mm flexible platinum tip

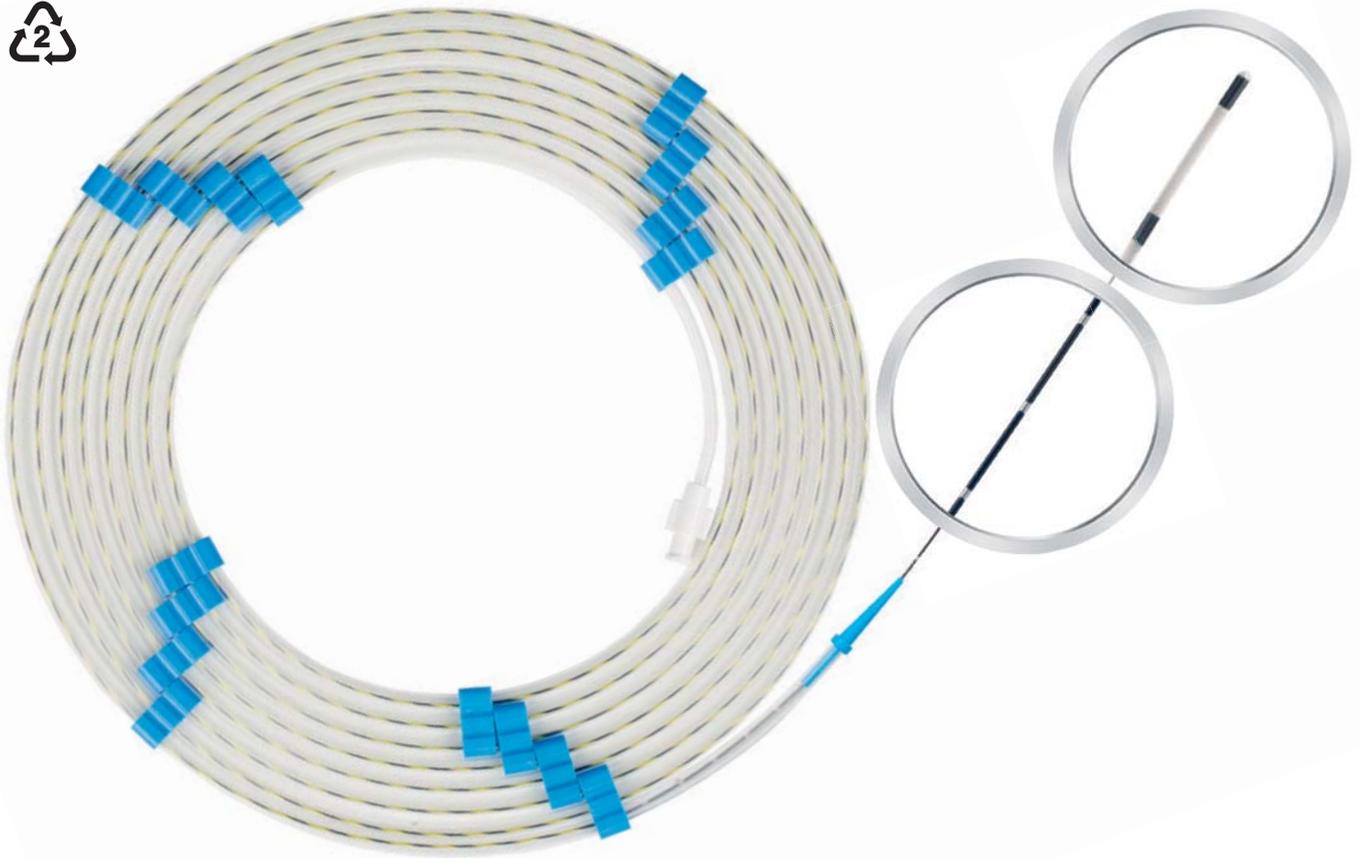


Article no.	Guidewire tip	Color version coiled	Diameter inch	Length cm
00 18 00	straight platinum tip	blue	0.018	400
00 22 00	straight platinum tip	green-black	0.025	400
00 22 55	straight platinum tip	green-black	0.025	550
00 23 00	straight platinum tip	green-black	0.025	460
00 32 00	straight platinum tip	yellow-black	0.035	400
00 32 26	straight platinum tip	yellow-black	0.035	260
00 35 00	angled platinum tip, „J-Tip“	yellow-black	0.035	400
00 34 46	straight platinum tip, „Soft-Tip“	yellow-blue	0.035	460
00 36 00	angled platinum tip, „J-Soft-Tip“	yellow-blue	0.035	400
00 36 15	angled platinum tip, „J-Soft-Tip“	yellow-blue	0.035	150

Figure shows article REF 00 32 00

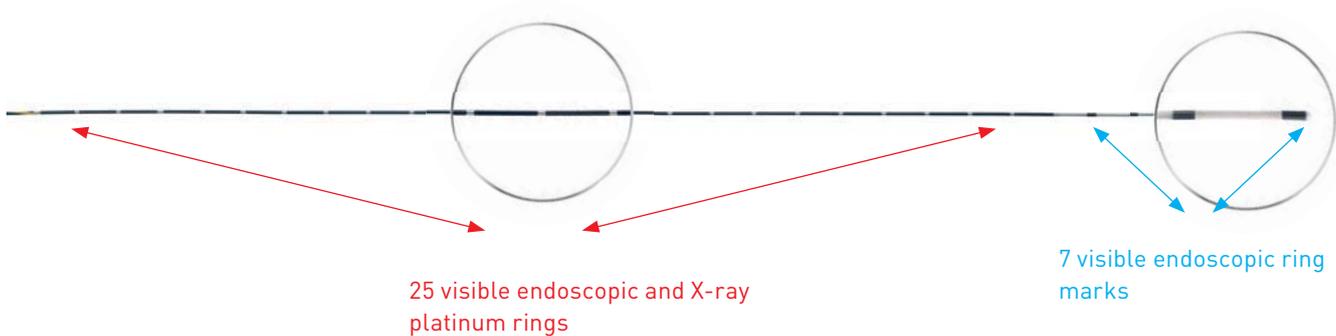
GUIDE WIRE „PLATIN-STAR“

kink-resistant, Nitinol, with scale



Article no.	Guidewire tip	Color version coiled	Diameter inch	Length cm
00 38 00	straight platinum tip	yellow-black	0.035	460

This guide wire is equipped with 25 visible endoscopic and X-ray platinum rings and 7 visible endoscopic ring marks



TERMS AND CONDITIONS IN FOREIGN COUNTRIES

(in the negotiating language)

I. General, Scope

1. Our conditions shown below apply exclusively; we do not recognise conflicting condition or conditions differing from our conditions of sales, unless we have expressly confirmed their validity in writing. Our conditions of sale also apply when we are aware of conflicting conditions or conditions differing from our conditions of sales set by the customer and when we deliver to the customer without making any reservations.
2. All agreements which are made between us and the customer to carry out this contract are laid down in writing in this contract.
3. Our conditions of sale only apply to companies in the sense of § 310 Paragraph 1 BGB.

II. Completion of contract

1. Our offer is provisional and is valid for 2 months as long as nothing different is stated in the confirmation of order. If the order is qualified as an offer according to § 145 BGB then we can accept it within 4 weeks. We reserve the right to make technical changes and modifications to illustrations.
2. In the case of long-term delivery contracts we can deliver modernised or modified items from our programme without prior written notification.
3. The customer is committed to the orders given to us until their acceptance or rejection. He can however set an additional time for the performance of the contract in writing of 10 days, at the earliest 10 days after his order, after whose fruitless passing the order can be considered to have been rejected by us.
4. We reserve ownership rights and copyright on illustrations, drawings, calculations and all other documents.

III. Prices, Conditions of payment

1. Provided there is nothing to the contrary in the confirmation of order/the offer, our prices are valid "ex works" excluding packaging and freight; these are listed separately in the invoice. Also not included in the price are extra costs, especially fees of banks or public authorities; these costs are also listed separately and charged to the customer.
2. The deduction of a discount requires extra written agreement.
3. Provided there is nothing to the contrary in the confirmation of order/the offer the net purchase price (without deduction) is payable before delivery. Delivery will take place after receipt of payment. The statutory regulations concerning delayed payment apply.
4. The customer is only entitled to off-set rights when his counterclaims are determined to be legally enforceable, undisputed or recognised by us. In addition the customer is authorized to exercise a retention right in as far as his counterclaim is based on the same contractual relationship.
5. In the case of instalment payment agreements the whole amount is due immediately when the customer is ten days or more late in paying an instalment.

IV. Delivery

1. Delivery times begin to run only after the complete clarification of all implementation details. The prompt fulfilment by the customer of his commitments in accordance with regulations is required beforehand for us to fulfil our delivery commitments. The defence of an unfulfilled contract is reserved by us.
2. If the customer delays acceptance or culpably infringes other collaborative requirements then we are entitled to demand compensation for any damage suffered by us including possible extra expenses. We reserve the right to make further claims.

3. In as far as the preconditions of Paragraph 2 are met the danger of accidental destruction or accidental deterioration of the item to be purchased is transferred to the customer at the time when he gets into a delayed acceptance or payment situation.

4. We accept liability according to the statutory regulations in as far as the contract of sale referred to here is a purchase for delivery at a fixed time in the sense of § 286 Paragraph 2 Nr. 4 BGB or of § 376 HGB. We also accept liability provided that, as a consequence of a delay in delivery caused by us to the customer, it can be asserted that his interest in the further fulfilment of the contract is ended.

5. Furthermore we accept liability according to statutory regulations where the delay in delivery is based on a deliberate or grossly negligent infringement of the contract which is our responsibility; the fault of our representative or agent of vicarious liability. In as far as the delivery contract is not based on a deliberate infringement of the contract which is our responsibility our liability for compensation for damage is limited to the foreseeable damage that typically occurs.

6. We also accept liability according to statutory regulations provided the delay in delivery which is due to us is based on the culpable infringement of an important contractual duty; in this case our liability for compensation for damage is limited to the foreseeable damage that typically occurs.

7. If we fall behind with delivery and damage results to the customer from this then he is entitled to demand lump sum compensation for the delay. This delay compensation amounts to 0.5% for each full week of the delay from the time in which the claim is received in writing by us, in total however 5% at the most of the value of that part of the complete delivery which could not be used in time or according to the terms of the contract due to the delay.

8. Further legal claims and rights of the customer remain reserved.

V. Withdrawal

Goods which have been correctly delivered can only be returned for crediting in justified exceptional cases and after prior agreement has been obtained from us. A reduction will be deducted for reintegration and any necessary refurbishing into a saleable condition. Non-catalogue goods are excluded from exchange.

VI. Transport, Transfer of risk

As long as nothing different is shown in the confirmation of order deliveries are agreed "ex works". Transport is always at the cost and risk of the customer.

VII. Resale

The passing on or trading with products bought from us is only allowed with explicit approval from us to the customer. If the customer passes on products bought from us to a third party in spite of this agreement then for each case of a sale a conventional penalty of 10% of the sale price resulting from this transaction is to be paid to us.

VIII. Liability for defects

1. Claims for defects from the customer are on the pre-condition that he has fulfilled his duties regarding investigation of and complaints about defects in accordance with regulations.

2. As soon as a defect in the article purchased exists the customer is entitled to restitution at his discretion either in the form of a remedy of the defect or the delivery of a new defect-free item. In the event of a remedy of the defect we are obliged to bear all costs due to the aim of remedying of the defect, especially transport, road, labour and material costs as long as they are not increased by taking the item purchased to a place different to the place specified.

3. If restitution fails then the customer is entitled at his discretion to demand withdrawal or reduction.
4. We are liable according to statutory regulations provided the customer asserts compensation claims which are based on intention or gross negligence, including intention or gross negligence of our representatives or agents of vicarious liability. Provided we cannot be blamed for a deliberate infringement of the contract the liability for compensation is limited to the foreseeable damage that typically occurs.
5. We are liable according to statutory regulations when we culpably infringe an important duty of contract; in this case the compensation is limited to the foreseeable damage that typically occurs.
6. Liability due to culpable injury to life, the body or health remains untouched; this also applies to the absolute liability according to the product liability law and the medicine product law.
7. In as far as nothing above rules to the contrary liability is excluded.
8. The limitation period for claims for defects is 12 months, calculated from transfer of risk.

IX. Total liability

1. Further liability for compensation other than foreseen in VIII. is excluded – without consideration of the nature of the law for the claim asserted. This applies especially to compensation claims for blame when the contract is concluded, due to other infringements of duty or due to tortious claims for replacement of damage to property according to § 823 BGB.
2. In as far as our liability for compensations is excluded or limited then this also applies to the personal liability for compensation of our employees, workers, members of staff, representatives and agents of vicarious liability.

X. Safeguarding of retention of ownership

1. We reserve the ownership of the item purchased to ourselves until receipt of all payments from the transaction. If the customer's behaviour is contrary to the contract, especially in the case of delayed payment, we are entitled to repossess the item purchased. The repossession of the item purchased does not constitute a withdrawal from the contract, unless we had declared this expressly in writing. There is always a withdrawal from the contract when the item purchased has been subject to seizure by us. We are authorised to utilize the item purchased after repossessing it and the proceeds of the utilization are to be counted against the liabilities of the customer – after the deduction of reasonable utilization costs.
2. We commit ourselves to release the securities we are entitled to on the customer's demand when the realisable value of our securities exceeds the claims that are to be safeguarded by more than 10%; the choice of the securities to be released is to be decided by us.

XI. General

1. Changes, supplementary agreements or additions require written confirmation to be effective.
2. If one of the above requirements is or becomes wholly or partly ineffective this does not affect the validity of the requirements of the contract as a whole. As far as is legally allowed then a regulation which financially complies as much as possible with the invalid regulation is considered to have been agreed.

XII. Place of jurisdiction, place of performance

1. Where the customer is a businessman then our head office is the place of jurisdiction; we are however also entitled to take proceedings against the customer in a court at his place of residence.
2. The laws of the Federal Republic of Germany apply; the validity of the UN law on sales is excluded.
3. Provided nothing to the contrary is shown in our confirmation of order then our head office is the place of performance.

