

## INSTRUMENT CLEANING & MAINTENANCE

The manual (pre) cleaning of surgical instruments and products is a basic requirement for successful preparation. As the variety of medical products to be reprocessed is increasing and the instruments are becoming more complex, Key Surgical offers a selection of different brushes, material cleaners, and care products for a wide range of purposes.

Our cleaning brushes are available in various sizes and materials for the most common surgical instruments, for flexible endoscopes, and for special preparation requirements.

Material cleaners and care products not only support you in your preparation, but also in the subsequent maintenance of your instruments.

Cleaning accessories, such as brush strips and preparation aids that helps with the cleaning of instruments that cannot be dismantled.

Toothbrush-Style Brushes

Channel Cleaning Brushes

Endoscope Cleaning Brushes and Sets

Pipe Cleaners

Cleaning Products

Preparation Aids

Unless otherwise stated, our products are not made with natural rubber latex.



## Instrument Cleaning & Maintenance - Toothbrush-Style Brushes

### TOOTHBRUSH-STYLE CLEANING BRUSHES

The special brushes from Key Surgical are ideal for cleaning the outside of the surfaces of instruments before automated disinfection and sterilization is provided. Regardless of the stubbornness of the soiling of your instruments to be cleaned, you are sure to find the right solution thanks to the varying degrees of hardness, sizes, and shapes of the brushes. Even coagulated blood residues can be easily removed due to specially developed nylon bristles. Key Surgical specialized brushes are also suitable for cleaning pan burrs and removing residues in the joints of needle holders and scissors.

### TOOTHBRUSH-STYLE CLEANING BRUSHES

REF	Description	Brush head length (mm)	Bristle length (mm)	Working length (mm)	Qty
<b>A</b>	09320 plastic bristles for stubborn contamination - extra hard	30/45	12/12	165	10 pcs
<b>B</b>	09325 stainless steel bristles for stubborn contamination - extra hard	40	15	180	1 pc
	S-2100-50 stainless steel, three rows				50 pcs
<b>C</b>	09459 plastic bristles for stubborn contamination - extra hard	40/30	10/10	175	2 pcs
	N-2221-50 extra rigid nylon, double-ended, three rows/one row				50 pcs
<b>D</b>	09478 plastic bristles - soft	75	15	215	1 pc
<b>E</b>	09485 plastic bristles for stubborn contamination, angled handle - hard	75	15	235	2 pcs
	N-2200 extra rigid nylon, angled handle				2 pcs
<b>F</b>	26491 plastic bristles - medium soft	75	15	215	1 pc
<b>G</b>	26492 plastic bristles - hard	75	15	215	1 pc
<b>H</b>	09488 plastic bristles	40	15	180	1 pc
	N-2100-50 nylon, three rows				50 pcs



## Instrument Cleaning & Maintenance - General Instrument Cleaning Brushes



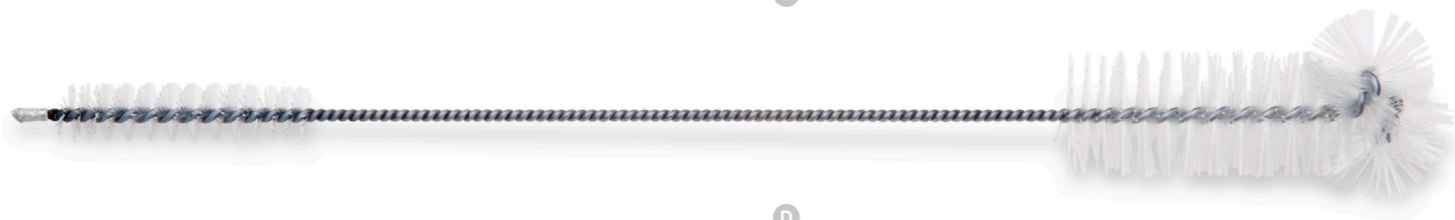
A



B



C



D



E



F

### TOOTHBRUSH-STYLE BRUSHES

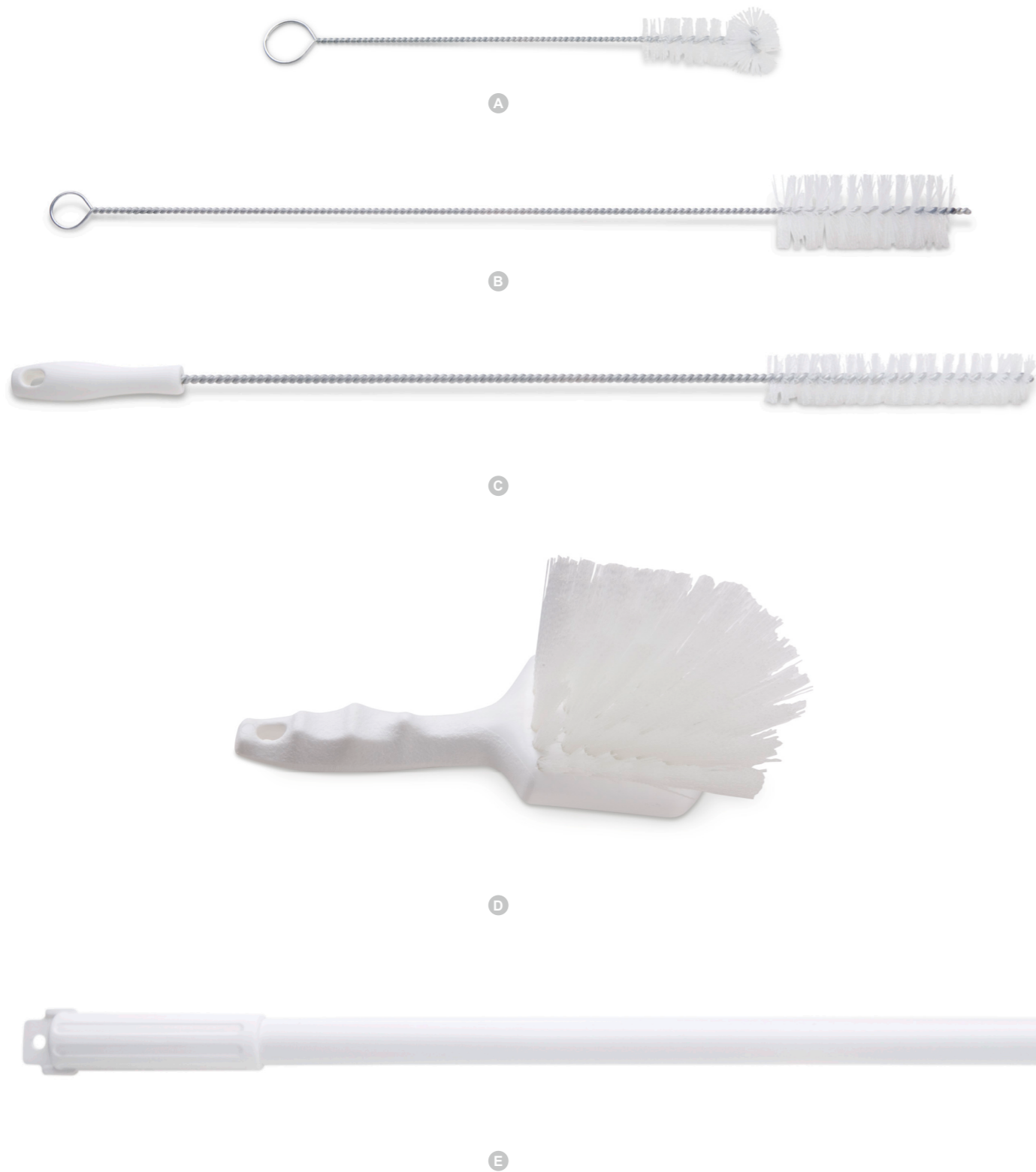
Standard bristles made of nylon and stainless steel on a sturdy plastic handle. Developed for exterior cleaning.

REF	Description	Bristle length (mm)	Working length (mm)	Qty
A	N-3000 made of nylon	9.5	178	1 pc
B	N-4000 made of nylon	9.5	184	1 pc
C	BR-04-003 made of stainless steel		100	1 pc

### DOUBLE CLEANING BRUSH

REF	Description	Bristle length (mm)	Brush head length (mm)	Working length (mm)	Qty
D	BR-5450 brush bristles made of nylon, stainless steel wire	13/25	50/82	300	1 pc
E	09084 soft nylon bristles	10/5	35/25	175	2 pcs
	N-2121-50 nylon, double-ended, three rows/one row				50 pcs
F	09098 hard nylon bristles	10/5	35/25	175	2 pcs

## Instrument Cleaning & Maintenance - Instrument and Sterilizer Cleaning Brushes



### STERILIZER CLEANING BRUSHES

Nylon bristles on twisted stainless steel handle with rosebud tip or on a sturdy, plastic handle.

REF	Description	Format Ø (mm)	Length (mm)	Qty
A	BR-5455 finger loop brush, made of nylon	25 x 270	267	1 pc
B	BR-5600 sterilizer cleaning brush, with stainless steel wire	50 x 610	710	1 pc
C	BR-5500 sterilizer cleaning brush, made of nylon with a plastic handle	35 x 710	710	1 pc
D	BR-4000 with nylon bristles, plastic handle	41 x 200	410	1 pc
E	BR-5000 sterilizer cleaning brush, made of polyester	152 x 127	800	1 pc

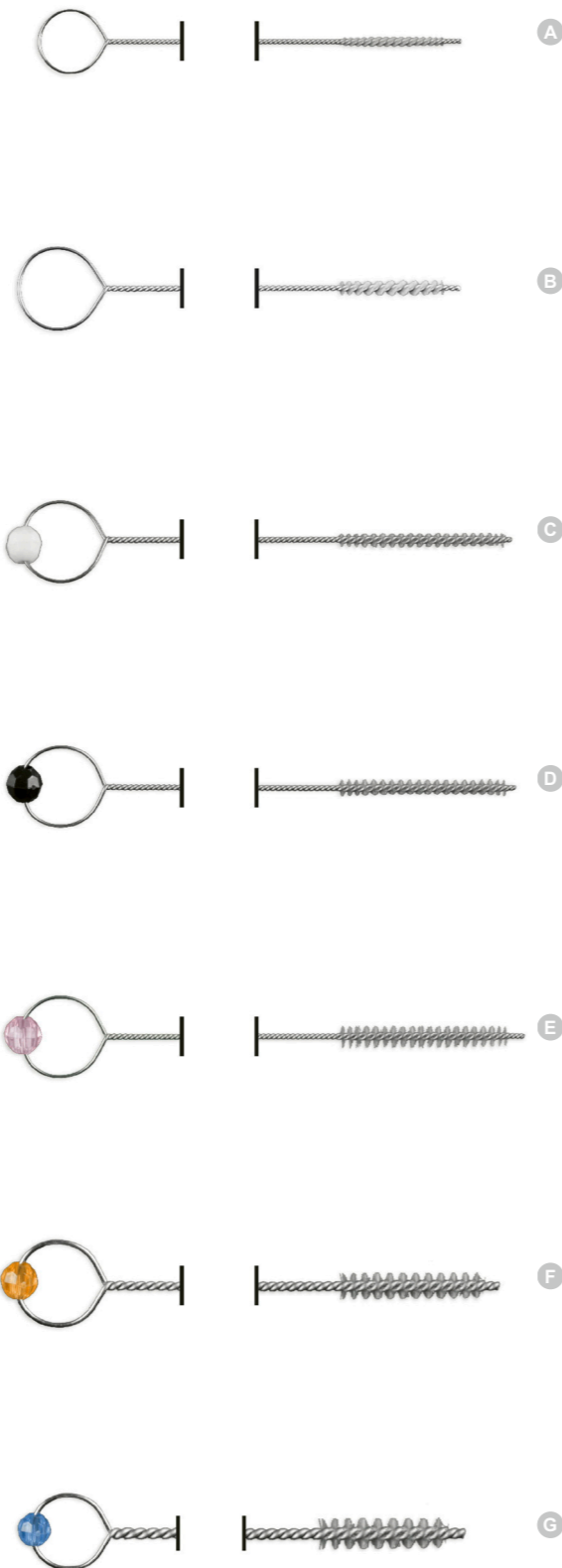


## Instrument Cleaning & Maintenance - Channel Cleaning Brushes

### CHANNEL CLEANING BRUSHES

Made of stainless steel, with nylon bristles.

REF	Color	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
A	-	1	13	450	2 pcs
B	-	1.8	13	450	2 pcs
C	white	1.6	22	215	3 pcs
D	black	2	21	215	3 pcs
E	bright pink	2.5	21	215	3 pcs
F	orange	3	18	215	3 pcs
G	blue	4	19	215	3 pcs
H	BR-08-087	2.2	13	200	2 pcs



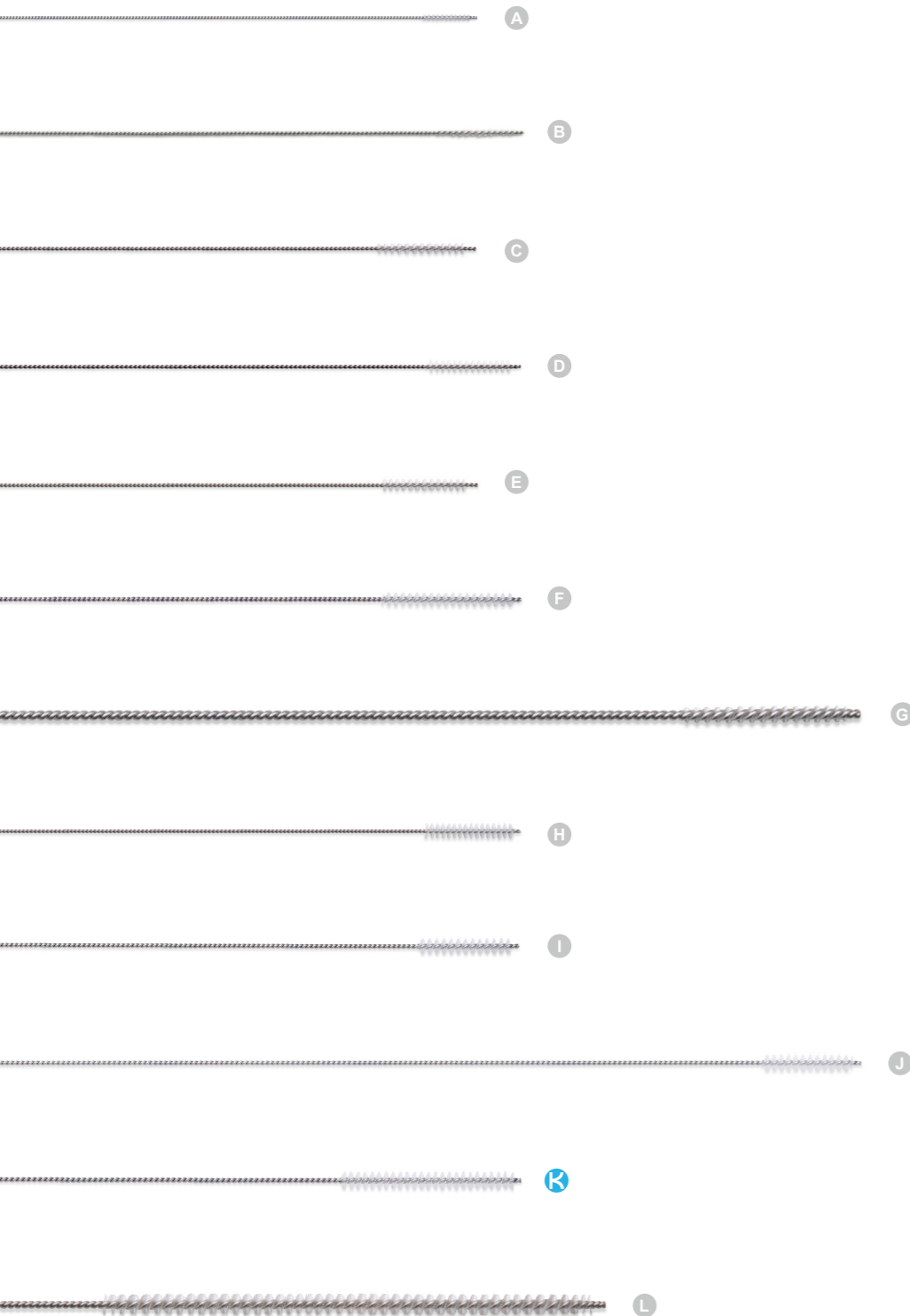
H

## Instrument Cleaning & Maintenance - Channel Cleaning Brushes

### CHANNEL CLEANING BRUSHES

Channel cleaning brushes featuring nylon bristles on a twisted stainless steel handle with loop end. Quantities available 2 pcs and 50 pcs.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>A</b> BR-06-039	1	6.35	152	2 pcs
<b>B</b> BR-08-039	1	12.7	203.2	2 pcs
BR-18-039	1	6.35	457	2 pcs
<b>C</b> BR-06-062	1.58	12.7	152	2 pcs
BR-18-062	1.58	12.7	457	2 pcs
<b>D</b> BR-08-070	1.77	12.7	203.2	2 pcs
BR-18-070	1.77	12.7	457	2 pcs
BR-24-070	1.77	12.7	609.6	2 pcs
<b>E</b> BR-06-079	2	12.7	152	2 pcs
<b>F</b> BR-08-079	2	19.05	203.2	2 pcs
BR-12-079	2	19.05	305	2 pcs
<b>G</b> BR-24-080	2	25.4	609.6	2 pcs
<b>H</b> BR-08-087	2.2	12.7	203.2	2 pcs
BR-18-087	2.2	12.7	457	2 pcs
<b>I</b> BR-08-092	2.3	12.7	203.2	2 pcs
<b>J</b> BR-24-098	2.49	12.7	609.6	2 pcs
<b>K</b> BR-08-105	2.67	25.4	203.2	2 pcs
BR-18-105	2.67	25.4	457	2 pcs
<b>L</b> BR-12-118	3	69.85	305	2 pcs



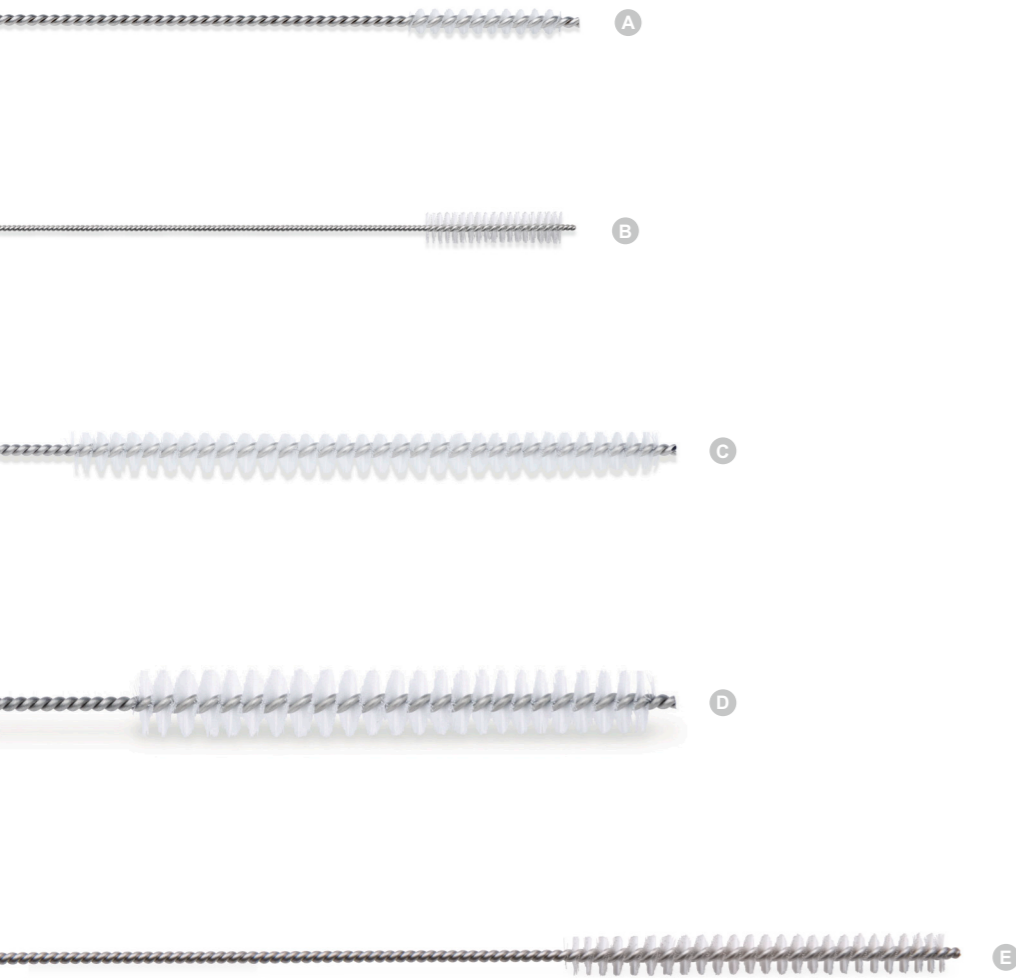
BRUSH TIP DETAILS SHOWN ACTUAL SIZE

## Instrument Cleaning & Maintenance - Channel Cleaning Brushes

### CHANNEL CLEANING BRUSHES

Channel cleaning brushes featuring nylon bristles on a twisted stainless steel handle with loop end. Quantities available 2 pcs and 50 pcs.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>A</b> BR-08-131	3.3	19.05	203.2	2 pcs
<b>B</b> BR-08-158	4	19.05	203.2	2 pcs
BR-12-158	4	19.05	305	2 pcs
<b>C</b> BR-12-197	5	76.2	305	2 pcs
BR-16-197	5	76.2	406	2 pcs
BR-18-197	5	76.2	457	2 pcs
<b>D</b> BR-24-200	5.08	50.8	609.6	2 pcs
<b>E</b> BR-12-236	6	50.8	305	2 pcs
BR-16-236	6	50.8	406	2 pcs
BR-24-236	6	50.8	609.6	2 pcs



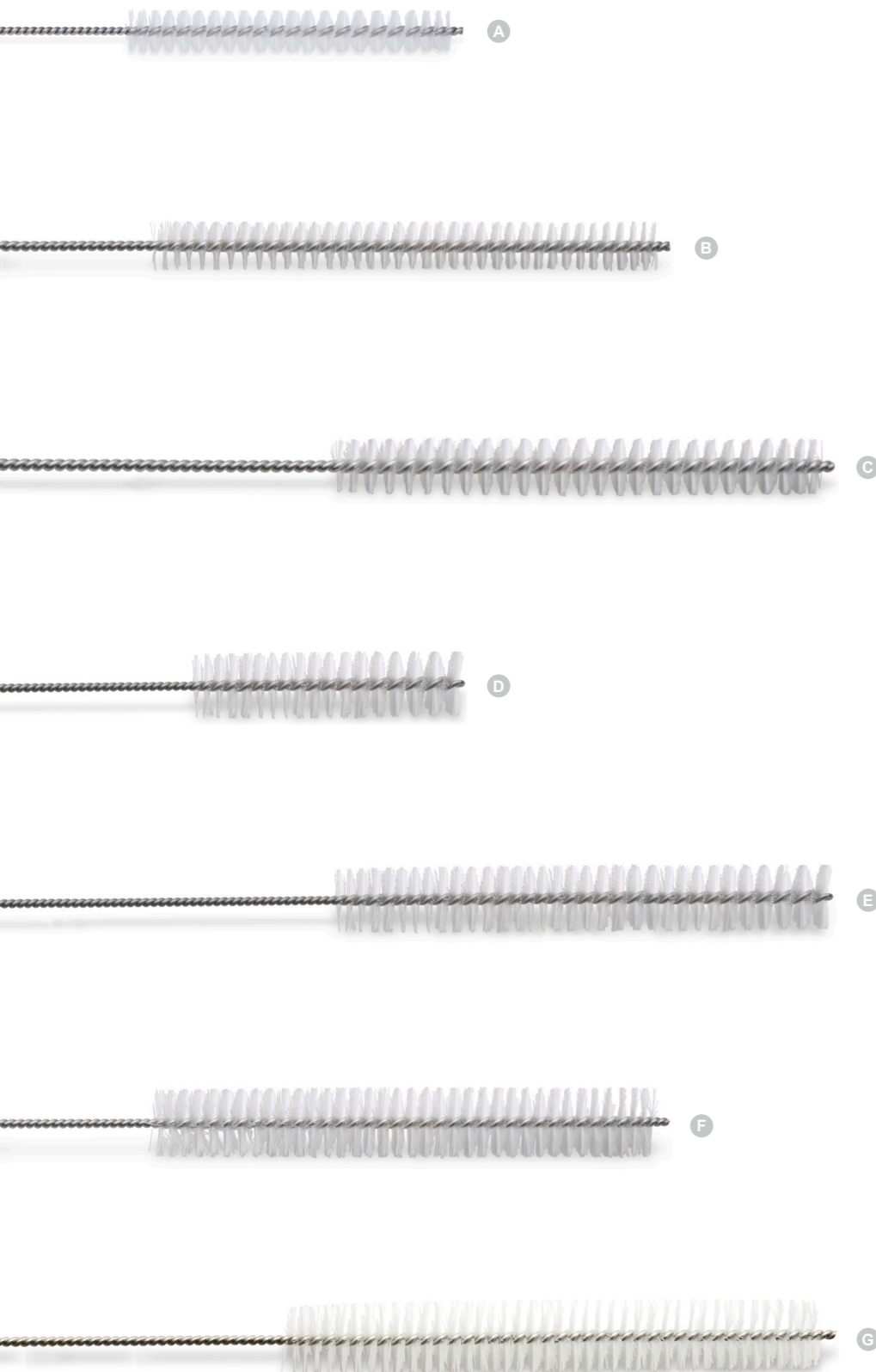
BRUSH TIP DETAILS SHOWN ACTUAL SIZE

## Instrument Cleaning & Maintenance - Channel Cleaning Brushes

### CHANNEL CLEANING BRUSHES

Channel cleaning brushes featuring nylon bristles on a twisted stainless steel handle with loop end. Quantities available 2 pcs and 50 pcs.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>A</b> BR-06-250	6.35	50.8	152	2 pcs
BR-08-250	6.35	50.8	203.2	2 pcs
BR-18-250	6.35	50.8	457	2 pcs
<b>B</b> BR-16-276	7	76.2	406	2 pcs
BR-24-276	7	76.2	609.6	2 pcs
<b>C</b> BR-24-312	7.9	76.2	609.6	2 pcs
<b>D</b> BR-06-375	9.5	38.1	152	2 pcs
<b>E</b> BR-24-375	9.5	76.2	609.6	2 pcs
<b>F</b> BR-16-393	10	76.2	406	2 pcs
BR-18-393	10	76.2	457	2 pcs
BR-24-393	10	76.2	609.6	2 pcs
<b>G</b> BR-24-425	10.8	76.2	609.6	2 pcs



BRUSH TIP DETAILS SHOWN ACTUAL SIZE



## Instrument Cleaning & Maintenance - Channel Cleaning Brushes

### CHANNEL CLEANING BRUSHES

Channel cleaning brushes featuring nylon bristles on a twisted stainless steel handle with loop end. Quantities available 2 pcs and 50 pcs.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>A</b> BR-08-440	11.18	76.2	203.2	2 pcs
BR-24-440	11.18	76.2	609.6	2 pcs
<b>B</b> BR-16-443	11.25	76.2	406	2 pcs
BR-24-443	11.25	76.2	609.6	2 pcs
<b>C</b> BR-16-472	12	76.2	406	2 pcs
<b>D</b> BR-06-500	12.7	50.8	152	2 pcs
<b>E</b> BR-16-591	15	50.8	406	2 pcs
BR-18-591	15	50.8	457	2 pcs


**A**

**B**

**C**

**D**

**E**

BRUSH TIP DETAILS SHOWN ACTUAL SIZE

## Instrument Cleaning & Maintenance - Channel Cleaning Brushes

### CHANNEL CLEANING BRUSHES

Channel cleaning brushes featuring nylon bristles on a twisted stainless steel handle with loop end. Quantities available 2 pcs and 50 pcs.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>A</b> BR-08-630	16	50.8	203	2 pcs
<b>B</b> BR-16-787	20	50.8	406	2 pcs
<b>C</b> BR-18-880	22.35	88.9	457	2 pcs
<b>D</b> BR-24-880	22.35	107.95	609.6	2 pcs



BRUSH TIP DETAILS SHOWN ACTUAL SIZE

## Instrument Cleaning & Maintenance - Channel Cleaning Brushes

### CHANNEL CLEANING BRUSHES

Channel cleaning brushes featuring nylon bristles on a twisted stainless steel handle with loop end (pull through style excluded).

REF	Description	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
A BR-3044	nylon	0.5	6.35	76	10 pcs
B BR-3045	nylon	0.5	6.35	203.2	10 pcs
C BR-3047	nylon	0.9	12.7	101.6	10 pcs
D BR-4120	nylon, centered (pull through)	6.35 to 15.24	50.8	457.2	2 pcs
E BR-4140	nylon, centered (pull through)	12.7	76.2	609.6	6 pcs



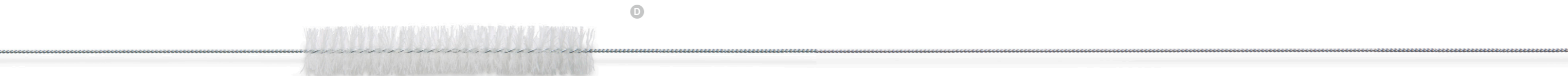
A



B

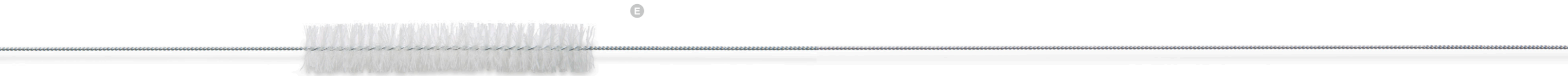


C



D

(PULL THROUGH)



E

(PULL THROUGH)

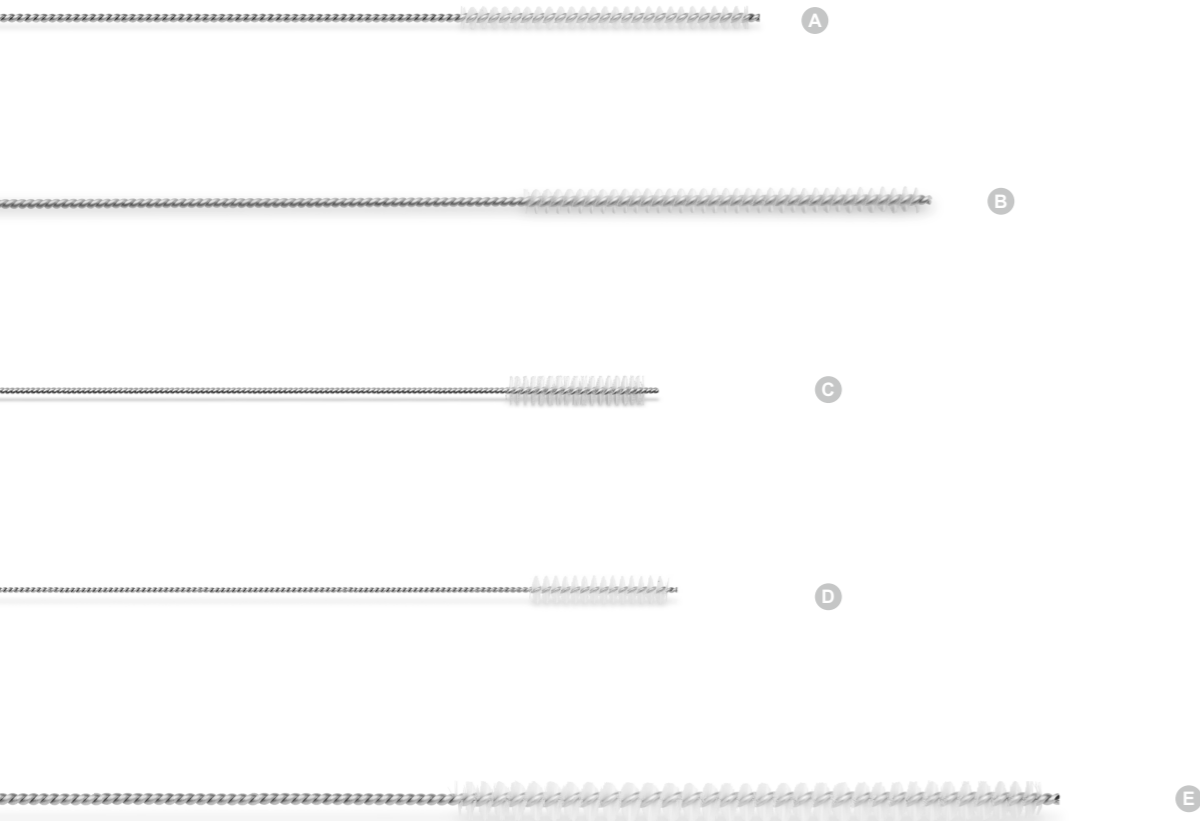
BRUSH TIP DETAILS SHOWN ACTUAL SIZE

# Instrument Cleaning & Maintenance - Channel Cleaning Brushes

## CHANNEL CLEANING BRUSHES

Standard bristles, stainless steel wire.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>A</b> BR-08-118	3	38	200	2 pcs
<b>B</b> BR-18-125	3	51	450	2 pcs
<b>C</b> BR-08-144	3.7	19	203	2 pcs
<b>D</b> BR-18-158	4	19	450	2 pcs
<b>E</b> BR-24-197	5	76	610	2 pcs



BRUSH TIP DETAILS SHOWN ACTUAL SIZE



# Instrument Cleaning & Maintenance - Channel Cleaning Brushes



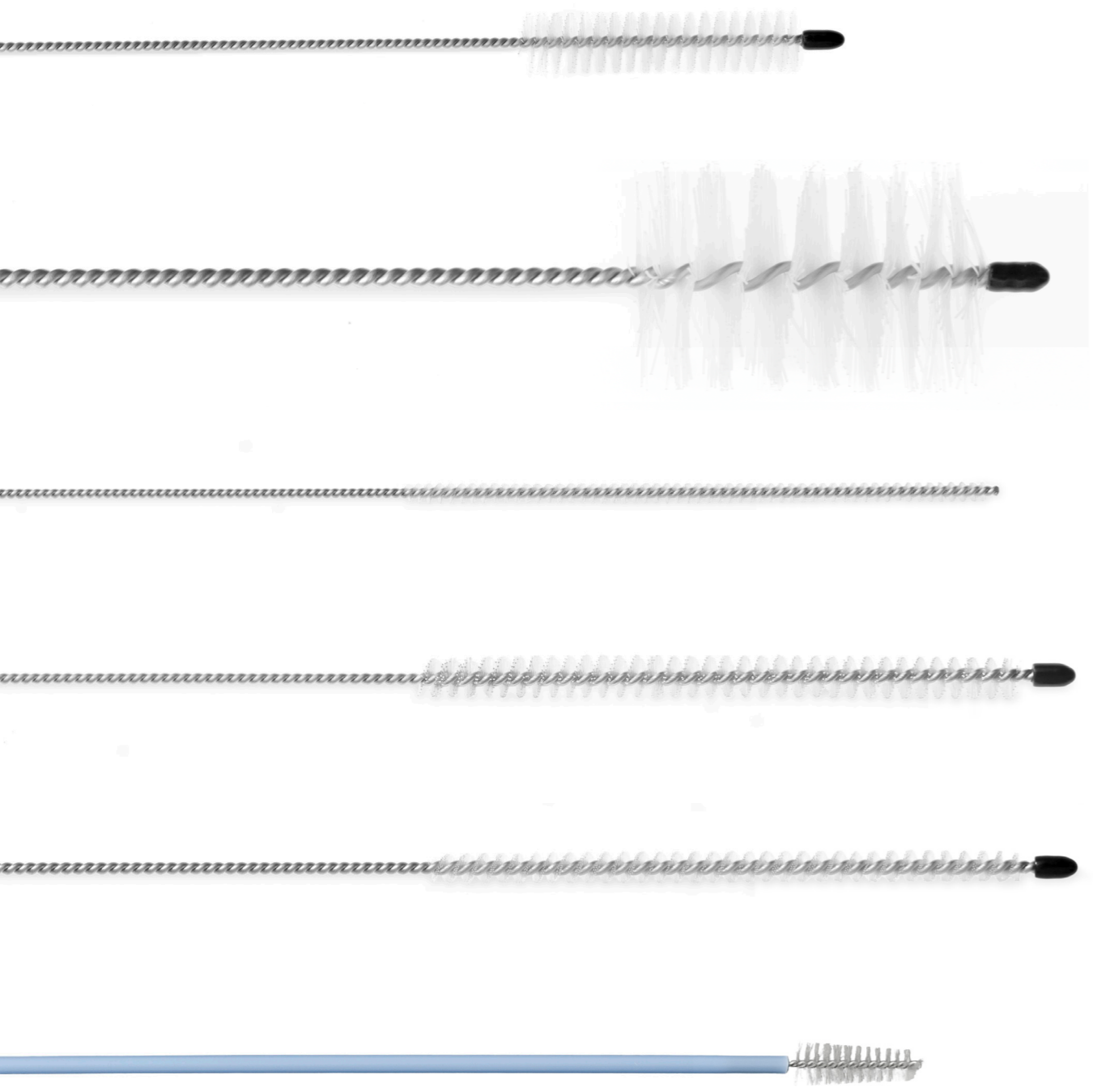
## CHANNEL CLEANING BRUSHES

Standard bristles, stainless steel wire.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>A</b> BR-8110	9.5	25	95	3 pcs
<b>B</b> BR-8115	13	101	203	3 pcs
<b>C</b> BR-8210	4.8	13	178	3 pcs
<b>D</b> BR-8410	13	76	152	3 pcs

BRUSH TIP DETAILS SHOWN ACTUAL SIZE

## Instrument Cleaning & Maintenance - Cleaning Brushes



A

### CLEANING BRUSHES

With nylon bristles.

REF	Description	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
A 09303	nozzle brush, made of nylon	10	45	140	5 pcs
B 09458	for thoracic drainage bottles, wire made of V2A	40	60	650	5 pcs
C 09490	leaning brush for medullary reamer brush tip deburred, V2A wire	3	100	800	3 pcs
D 09491	for medullary reamers, V2A stainless wire tip with cap	7	100	800	3 pcs
E 09492	for medullary reamers, stainless steel wire (V2A), tip with end cap	5	100	800	3 pcs

B

C

### CLEANING BRUSHES

Not suitable for washer-disinfectors and not heat-resistant, with nylon bristles. For single use.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
F 09049	5	20	150	100 pcs
F 09322	5	20	200	100 pcs

D

E

F

BRUSH TIP DETAILS SHOWN ACTUAL SIZE

## Instrument Cleaning & Maintenance - Cleaning Brushes

### CLEANING BRUSHES FOR SUCTION TUBES

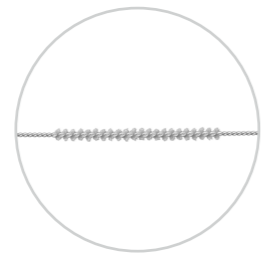
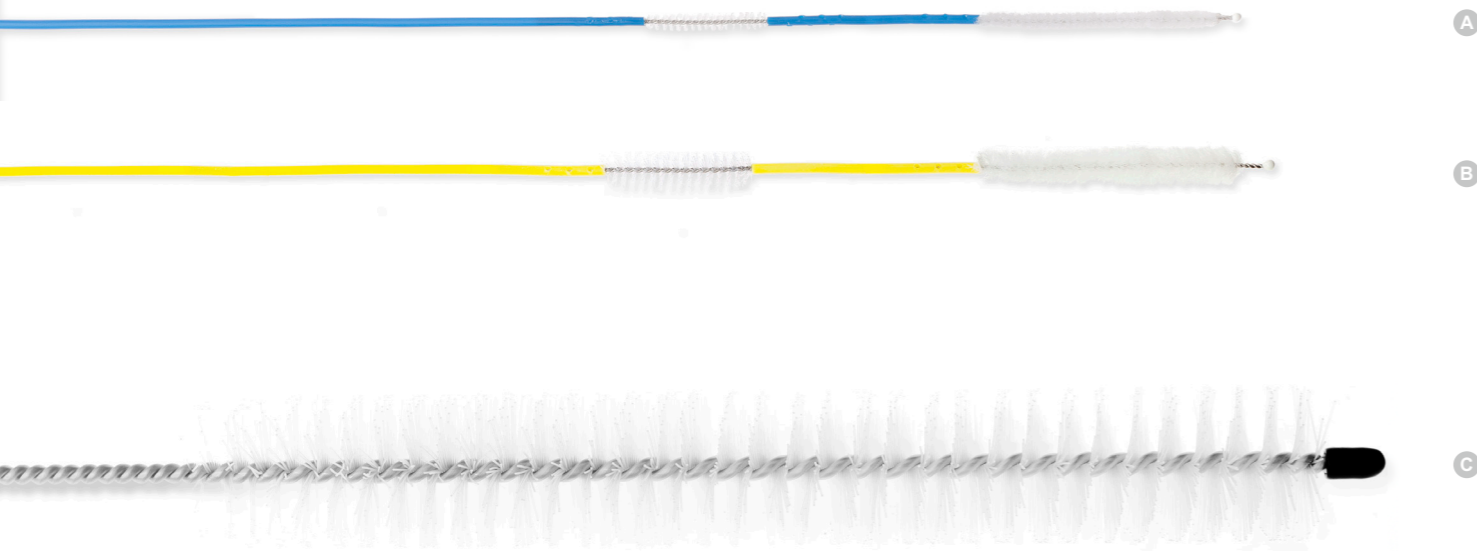
Cannot be reprocessed, individually packed, with pipe cleaner and nylon brush. Single use.

REF	Description	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
A 26480	2 brush heads, with pipe cleaner	3	20/30	440	10 pcs
B 26481	2 brush heads, with pipe cleaner	6	20/30	440	10 pcs
96280	for Frazier suction tubes, pink	2.5	21	215	3 pcs
96280.0	for Frazier suction tubes, black	2.5	21	215	3 pcs

### BRUSHES WITH ROUND BRUSH HEAD

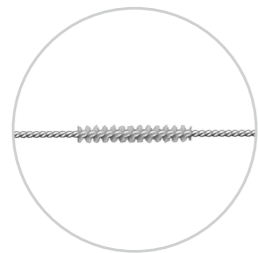
Nylon bristles, stainless steel wire. Reusable.

REF	Description	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
C 09331	for rectoscopes	20	150	450	5 pcs
D 09366	front 90 mm without trim	0.6	8	450	5 pcs
E 09388	front 90 mm without trim	1.4	8	450	5 pcs
F 09338	with plastic handle, not suitable for washer-disinfectors	3.5	60	265	2 pcs



D

E



F

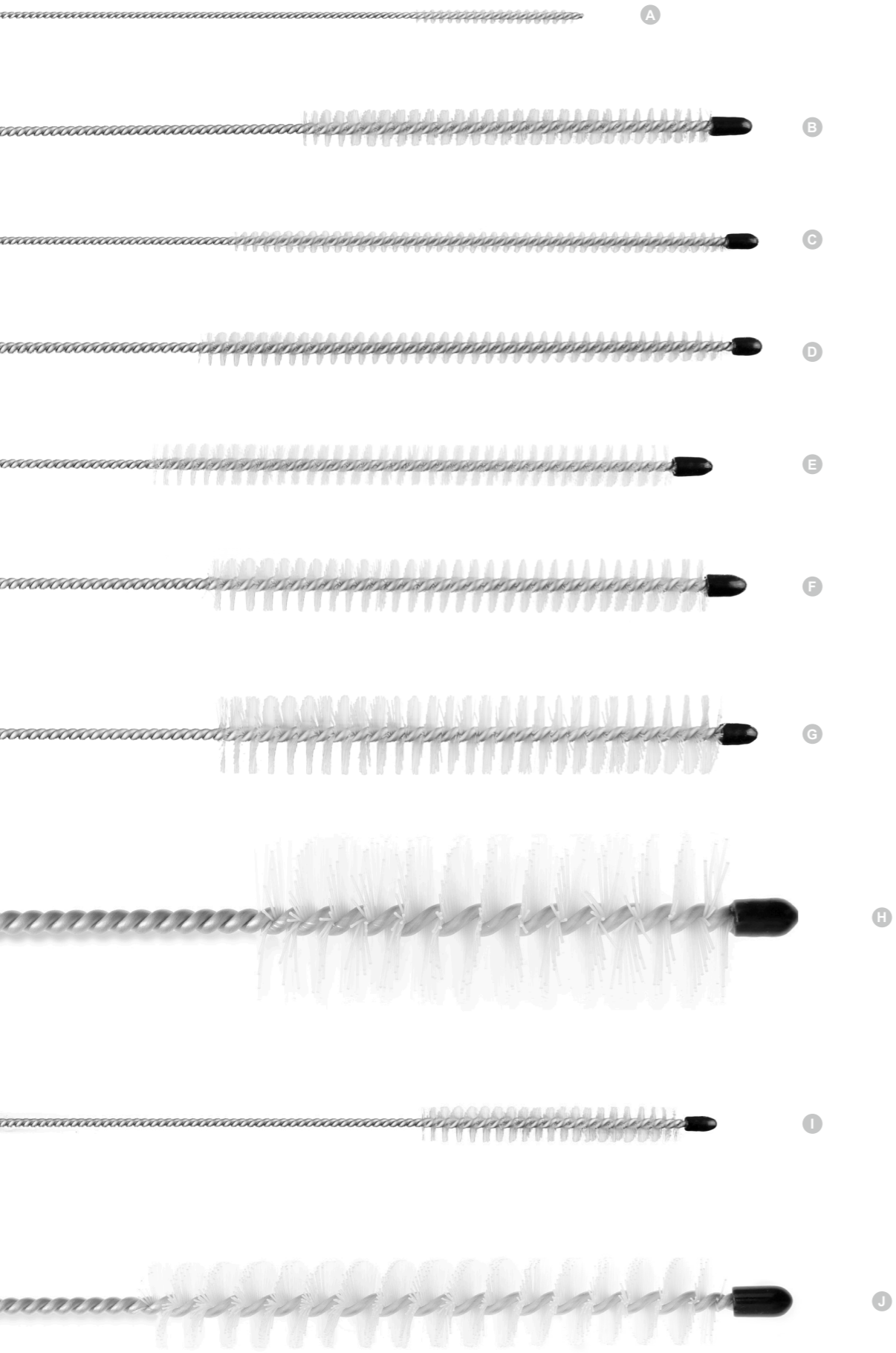
BRUSH TIP DETAILS SHOWN ACTUAL SIZE

# Instrument Cleaning & Maintenance - Cleaning Brushes

## CLEANING BRUSHES FOR MINIMALLY INVASIVE SURGICAL INSTRUMENTS

With nylon bristles, stainless steel wire.

REF	Description	Ø (mm)	Brush length (mm)	Working length (mm)	Qty
<b>A</b> 09050	one-sided	2.5	30	500	5 pcs
<b>B</b> 09051	one-sided	7	80	350	5 pcs
<b>C</b> 09052	one-sided	4	100	300	5 pcs
<b>D</b> 09053	one-sided	6	100	300	5 pcs
<b>E</b> 09054	one-sided	8	100	300	5 pcs
<b>F</b> 09055	one-sided	10	100	300	5 pcs
<b>G</b> 09056	one-sided	15	100	300	5 pcs
<b>H</b> 09059	one-sided	30	80	300	5 pcs
<b>I</b> 09058	one-sided	7	50	405	5 pcs
<b>J</b> 09066	one-sided	15	100	800	5 pcs
<b>K</b> 09064	double-sided	10/15	30/12-15	155	10 pcs



BRUSH TIP DETAILS SHOWN ACTUAL SIZE

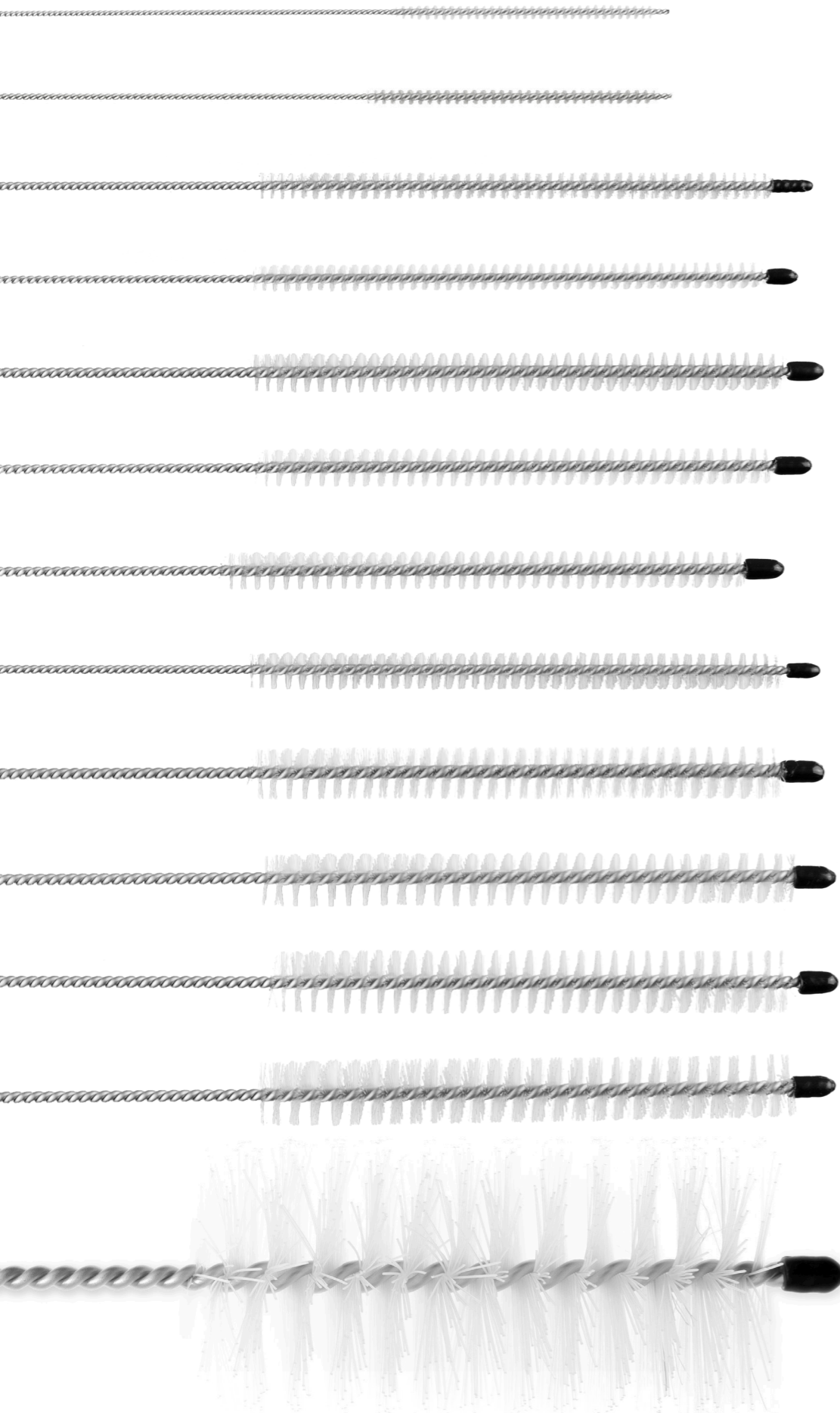




# Instrument Cleaning & Maintenance - Cleaning Brushes

## CLEANING BRUSHES FOR MINIMALLY INVASIVE SURGICAL INSTRUMENTS

With nylon bristles, stainless steel wire.



- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- L
- M

REF	Ø (mm)	Brush length (mm)	Working length (mm)	Qty
A 09308	2.5	50	300	5 pcs
B 09313	2.5	50	610	5 pcs
C 09306	5	100	300	5 pcs
D 09312	5	100	610	5 pcs
09307	7	100	300	5 pcs
E 09311	7	100	610	5 pcs
F 09316	7	100	650	5 pcs
G 09076	10	100	180	5 pcs
H 09068	10	100	500	5 pcs
I 09310	10	100	610	5 pcs
J 09315	10	100	650	5 pcs
K 09309	12	100	610	5 pcs
L 09314	12	100	650	5 pcs
M 09083	50	100	1400	5 pcs

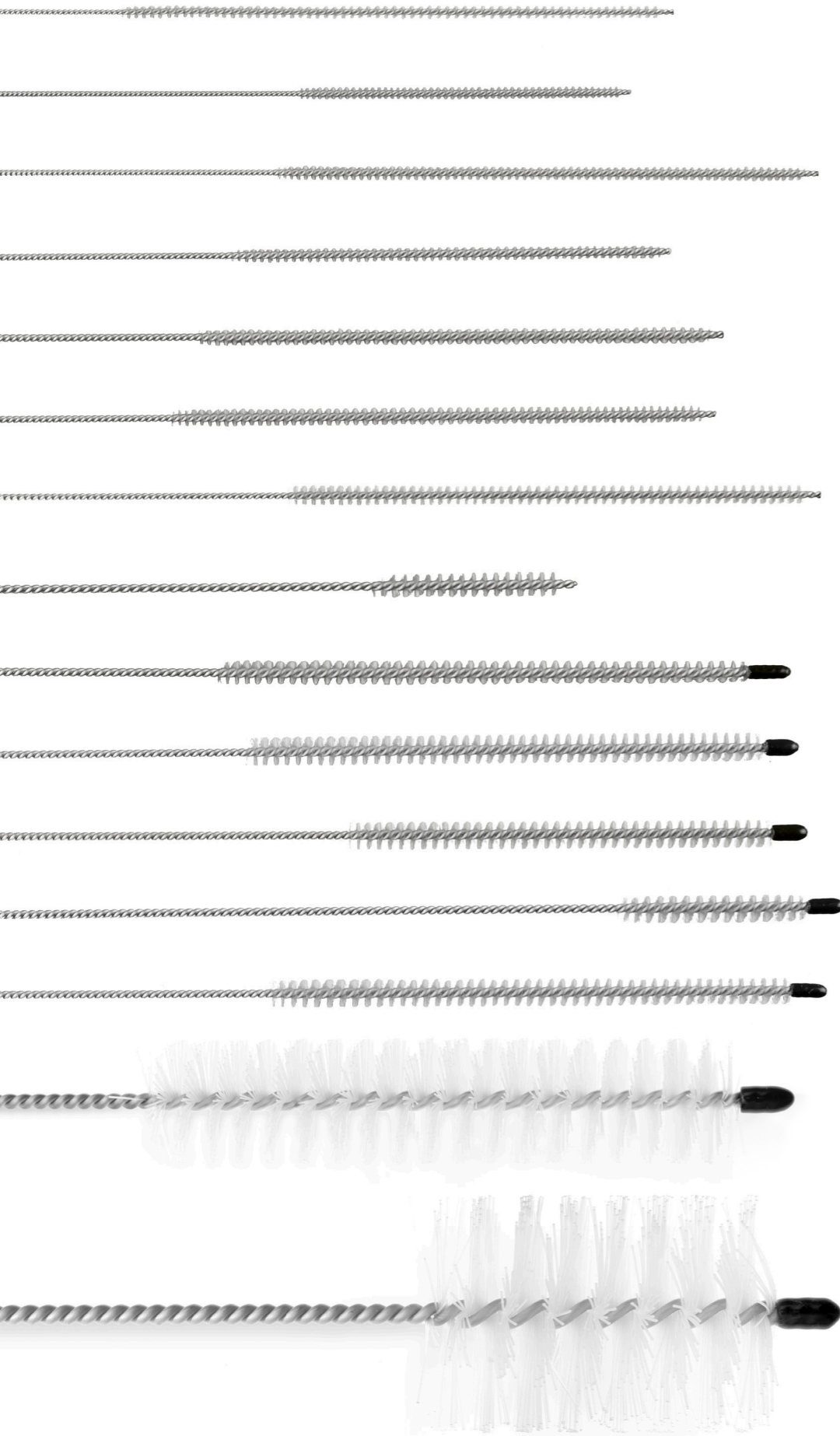
BRUSH TIP DETAILS SHOWN ACTUAL SIZE

# Instrument Cleaning & Maintenance - Cleaning Brushes

## CLEANING BRUSHES FOR MINIMALLY INVASIVE SURGICAL INSTRUMENTS

With nylon bristles, stainless steel wire.

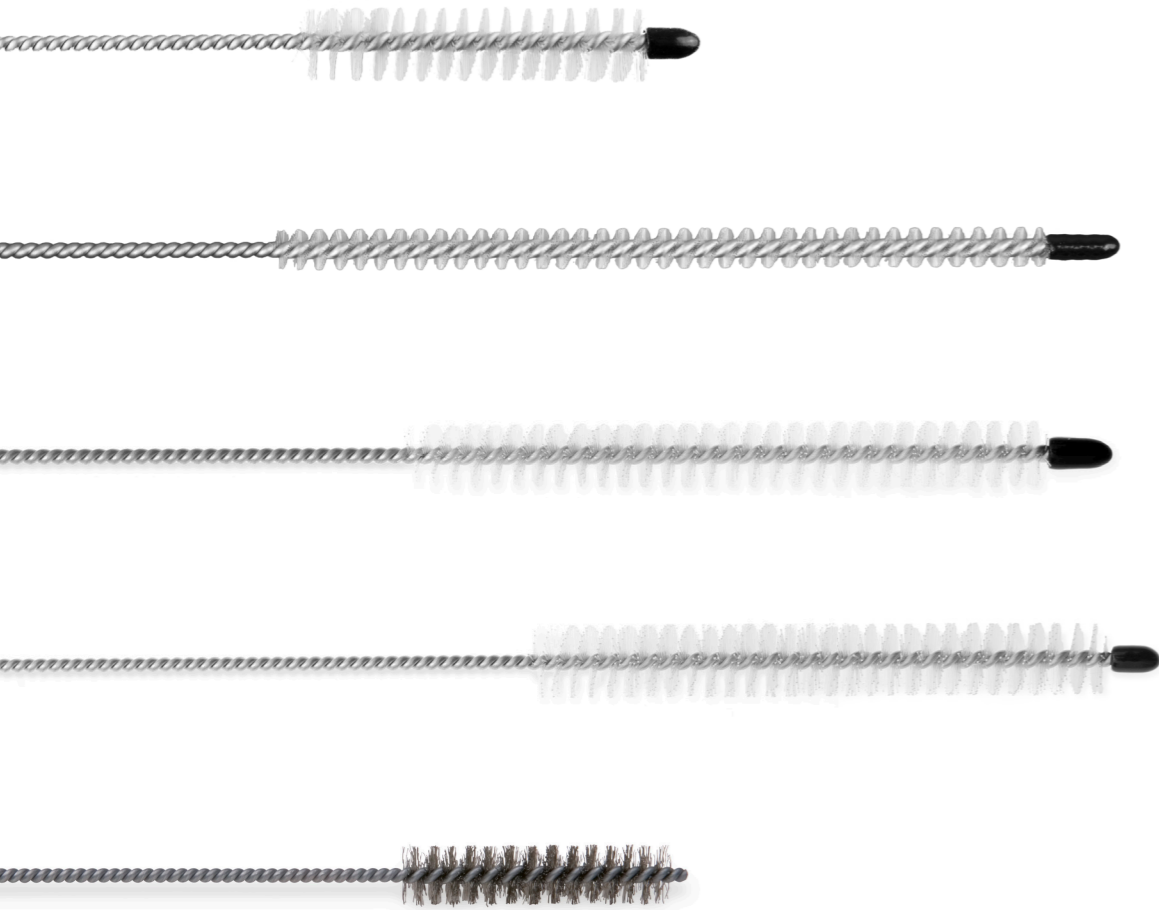
REF	Ø (mm)	Brush length (mm)	Working length (mm)	Qty
<b>A</b> 09339	2	100	300	5 pcs
<b>B</b> 09342	2	60	350	5 pcs
<b>C</b> 09340	2.5	100	300	5 pcs
<b>D</b> 09343	2.5	80	400	5 pcs
<b>E</b> 09341	3	100	300	5 pcs
<b>F</b> 09344	3	100	450	5 pcs
<b>G</b> 09335	3.5	100	250	5 pcs
<b>H</b> 09346	3.5	35	500	5 pcs
<b>I</b> 09345	4	100	500	5 pcs
<b>J</b> 09317	5	100	650	5 pcs
<b>K</b> 09318	5	80	405	5 pcs
<b>L</b> 09324	5	35	500	5 pcs
<b>M</b> 09336	5	100	250	5 pcs
<b>N</b> 09332	20	100	500	5 pcs
<b>O</b> 09334	40	60	500	5 pcs



- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K**
- L
- M
- N
- O

BRUSH TIP DETAILS SHOWN ACTUAL SIZE

# Instrument Cleaning & Maintenance - Cleaning Brushes



## CLEANING BRUSHES FOR MINIMALLY INVASIVE SURGICAL INSTRUMENTS

With nylon bristles, stainless steel wire.

	REF	Ø (mm)	Brush length (mm)	Working length (mm)	Qty
A	09499	10	50	405	5 pcs
B	09745	4	80	400	1 pc
C	09746	8	80	400	1 pc
D	09747	10	80	400	1 pc
E	BR-2300	11	50	152	2 pcs

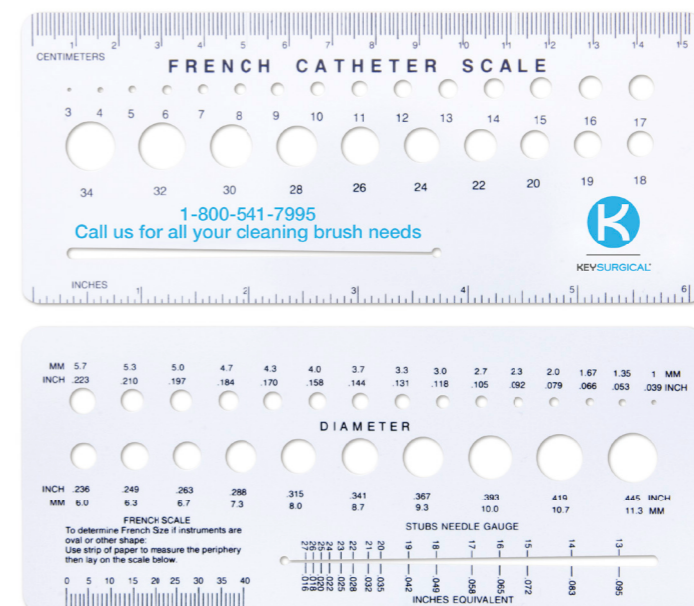
## FRENCH CATHETER SCALE

Convenient two-sided french catheter scale with built-in 6" ruler.

	REF	Description	Qty
F	MJ-370	plastic card with die-cut holes	4 pcs

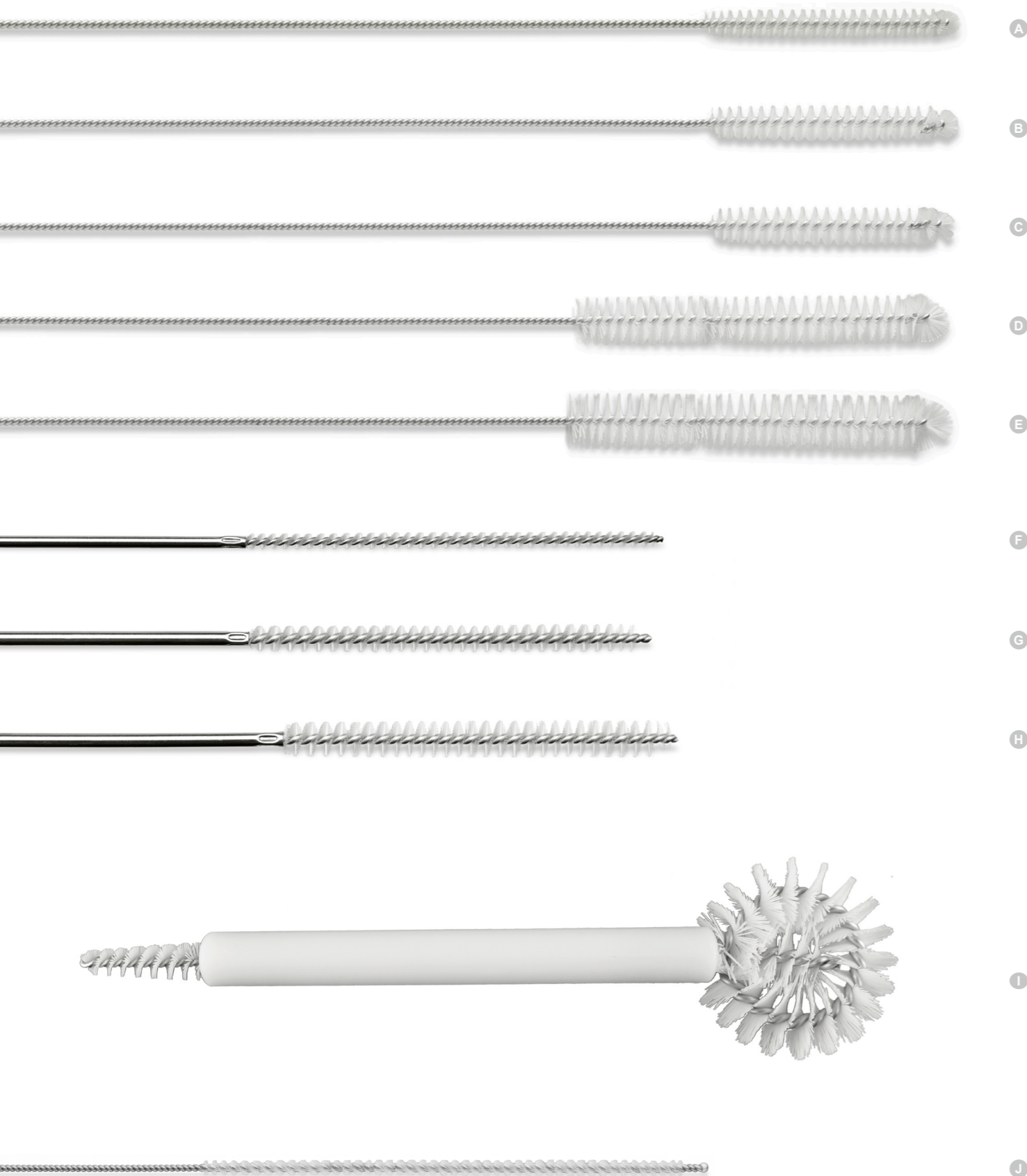
A  
B  
C  
D  
E

F





## Instrument Cleaning & Maintenance - Cleaning Brushes



### CLEANING BRUSHES WITH FAN TIP

Standard nylon bristles, stainless steel wire, with eyelet, without tip protection.  
Also available as a pack of 50.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>A</b> FT-12-197	5	50	300	2 pcs
<b>A</b> FT-18-197	5	50	460	2 pcs
<b>A</b> FT-24-197	5	50	610	2 pcs
<b>B</b> FT-12-250	6.4	50	300	2 pcs
<b>B</b> FT-18-250	6.4	50	460	2 pcs
<b>B</b> FT-24-250	6.4	50	610	2 pcs
<b>C</b> FT-12-276	7	50	300	2 pcs
<b>C</b> FT-18-276	7	50	460	2 pcs
<b>C</b> FT-24-276	7	50	610	2 pcs
<b>D</b> FT-12-375	9.5	76	300	2 pcs
<b>D</b> FT-18-375	9.5	76	460	2 pcs
<b>D</b> FT-24-375	9.5	76	610	2 pcs
<b>E</b> FT-12-440	11	76	300	2 pcs
<b>E</b> FT-18-440	11	76	460	2 pcs
<b>E</b> FT-24-440	11	76	610	2 pcs

### BONE REAMER BRUSHES

Nylon bristles, stainless steel wire.

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>F</b> BR-31-118	3	76	780	3 pcs
<b>G</b> BR-31-197	5	76	780	3 pcs
<b>H</b> BR-31-276	7	76	780	3 pcs
<b>I</b> 26023	40	45	190	3 pcs
<b>I</b> N-2000-3	40	45	190	3 pcs

### LUMEN GUARD BRUSH

Standard handle made of stainless steel with tip protection. Also available as a pack of 50.

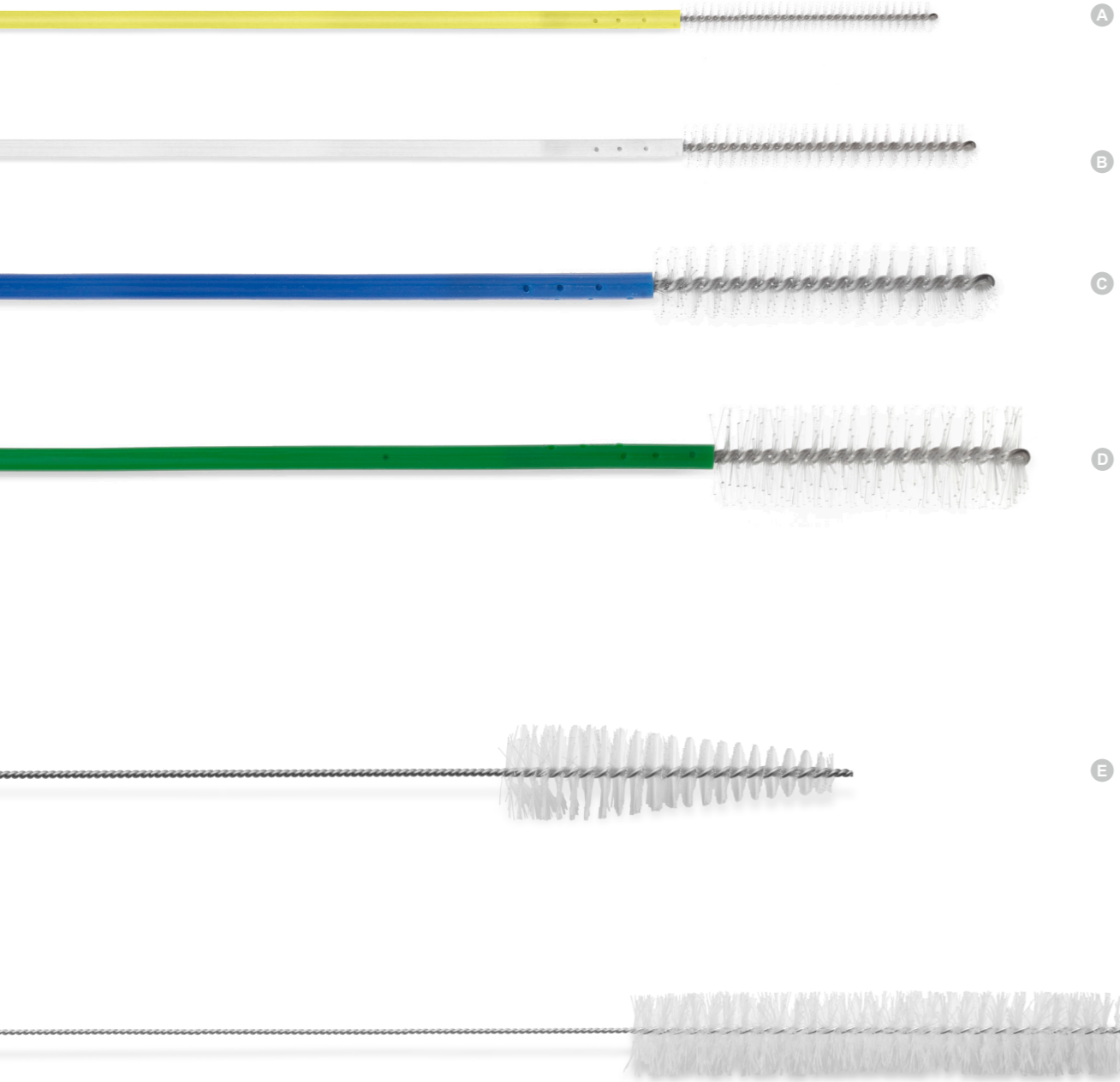
REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
<b>J</b> BZ-18-062	1.6	51	457	2 pcs

## Instrument Cleaning & Maintenance - Cleaning Brushes

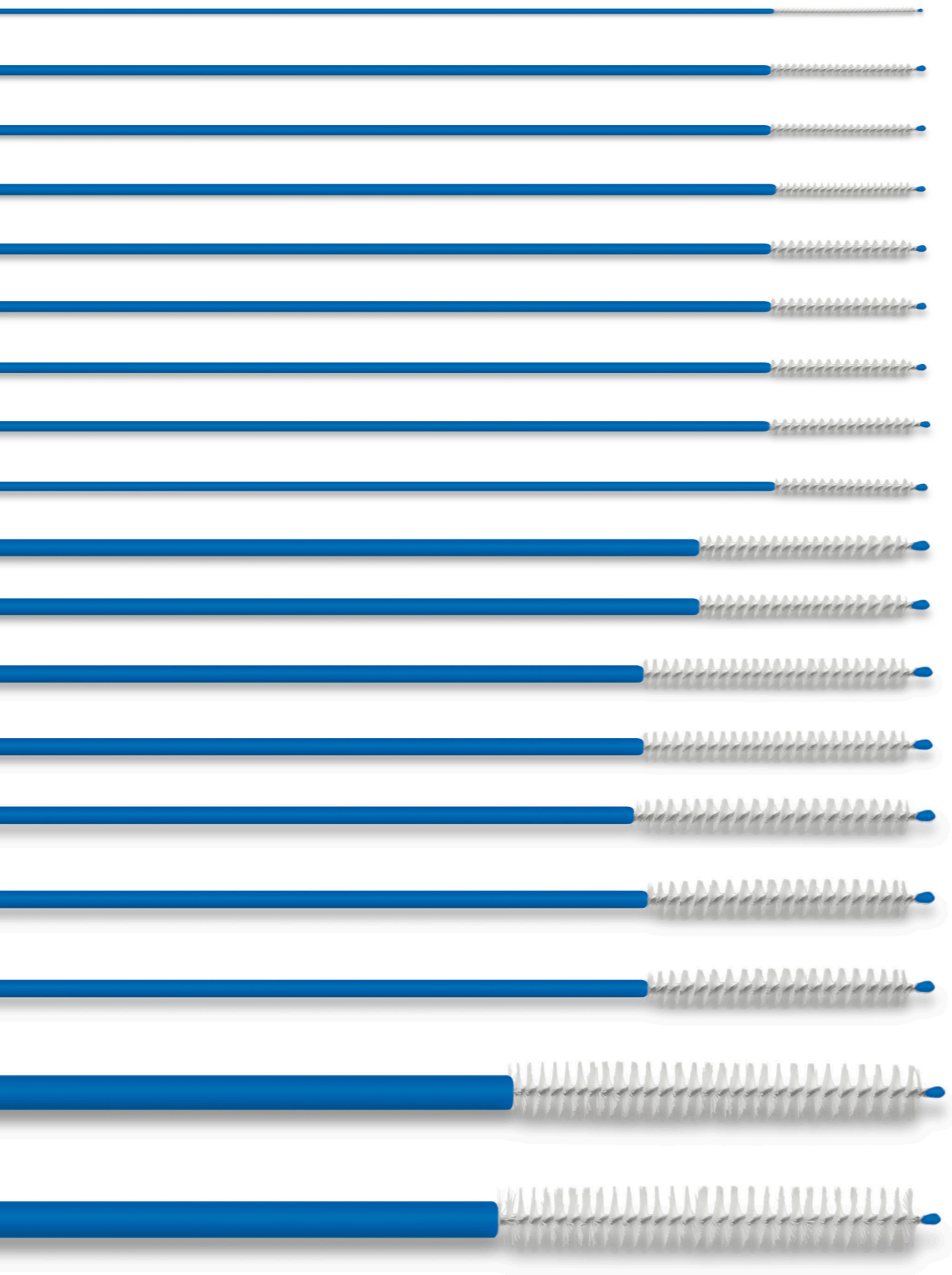
### CLEANING BRUSHES FOR INSTRUMENT CAVITIES

Nylon bristles brushes with a plastic shaft handle and a twisted stainless steel handle with loop end (pull through style excluded).

REF	Ø (mm)	Shaft diameter (mm)	Working length (mm)	Qty
26474	3 x 20	1.7	610	5 pcs
<b>A</b> 26475	5 x 50	3.2	610	5 pcs
<b>B</b> 26476	7 x 50	3.2	610	5 pcs
<b>C</b> 26477	10 x 50	4	610	5 pcs
<b>D</b> 26478	15 x 50	4	610	5 pcs
<b>E</b> BR-4120	6 - 15	NA	46	2 pcs
<b>F</b> BR-4140	13	NA	610	6 pcs







## Instrument Cleaning & Maintenance - Cleaning Brushes

### ACRYLIC TIP CLEANING BRUSHES

Channel cleaning brushes featuring a protective acrylic tip for an extra level of protection during cleaning. Nylon bristles on a flexible handle. No loop end.

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K**
- L
- M
- N
- O
- P
- Q
- R

REF	Ø (mm)	Brush head length (mm)	Working length (mm)	Qty
A AT-12-062	1.6	25	300	2 pcs
A AT-18-062	1.6	25	457	2 pcs
A AT-24-062	1.6	25	610	2 pcs
B AT-12-087	2.2	25	300	2 pcs
C AT-18-087	2.2	25	457	2 pcs
C AT-24-087	2.2	25	610	2 pcs
C AT-12-105	2.7	25	300	2 pcs
D AT-18-105	2.7	25	457	2 pcs
D AT-24-105	2.7	25	610	2 pcs
E AT-12-118	3	25	300	2 pcs
F AT-18-118	3	25	457	2 pcs
G AT-24-118	3	25	610	2 pcs
G AT-12-125	3.2	25	300	2 pcs
H AT-18-125	3.2	25	457	2 pcs
H AT-24-125	3.2	25	610	2 pcs
H AT-12-131	3.3	25	300	2 pcs
I AT-18-131	3.3	25	457	2 pcs
I AT-24-131	3.3	25	610	2 pcs
J AT-12-158	4	38	300	2 pcs
<b>K</b> AT-18-158	4	38	457	2 pcs
<b>K</b> AT-24-158	4	38	610	2 pcs
L AT-12-197	5	51	300	2 pcs
M AT-18-197	5	51	457	2 pcs
M AT-24-197	5	55	610	2 pcs
N AT-12-250	6.4	51	300	2 pcs
N AT-18-250	6.4	51	457	2 pcs
N AT-24-250	6.4	55	610	2 pcs
O AT-12-276	7	51	300	2 pcs
P AT-18-276	7	51	457	2 pcs
P AT-24-276	7	55	610	2 pcs
Q AT-12-375	9.5	76	300	2 pcs
Q AT-18-375	9.5	76	457	2 pcs
Q AT-24-375	9.5	76	610	2 pcs
R AT-12-440	11	76	300	2 pcs
R AT-18-440	11	76	457	2 pcs
R AT-24-440	11	76	610	2 pcs

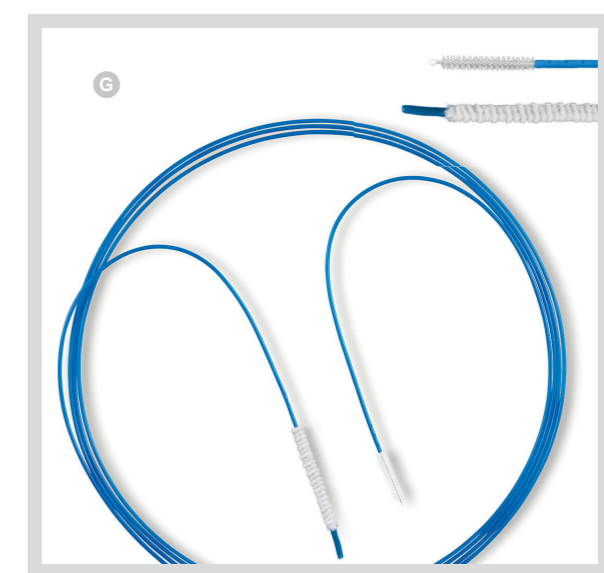
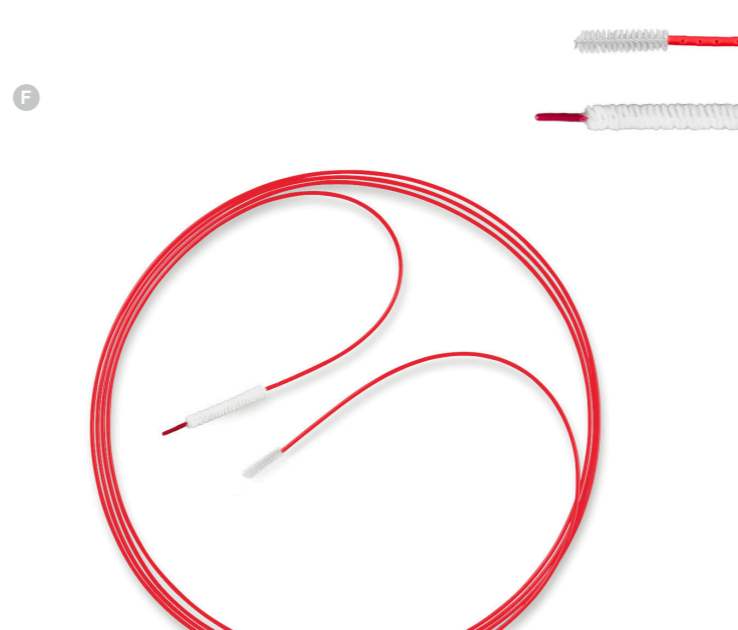
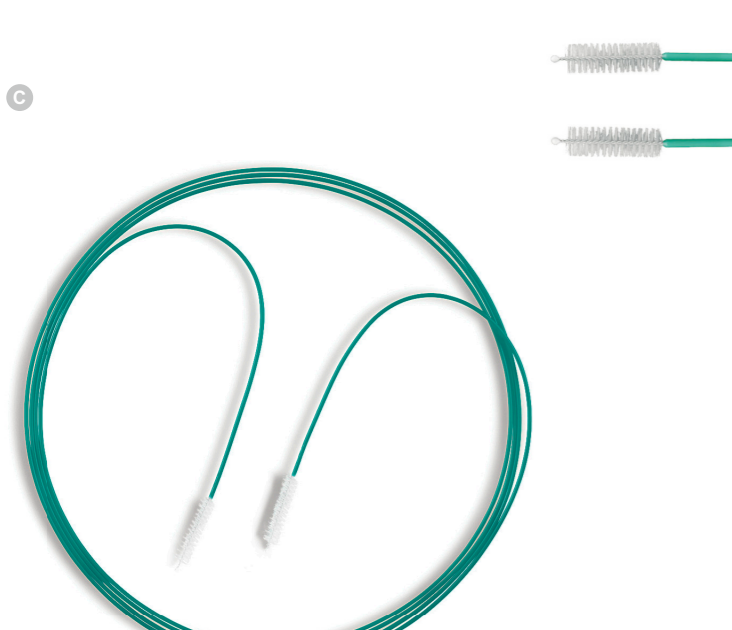
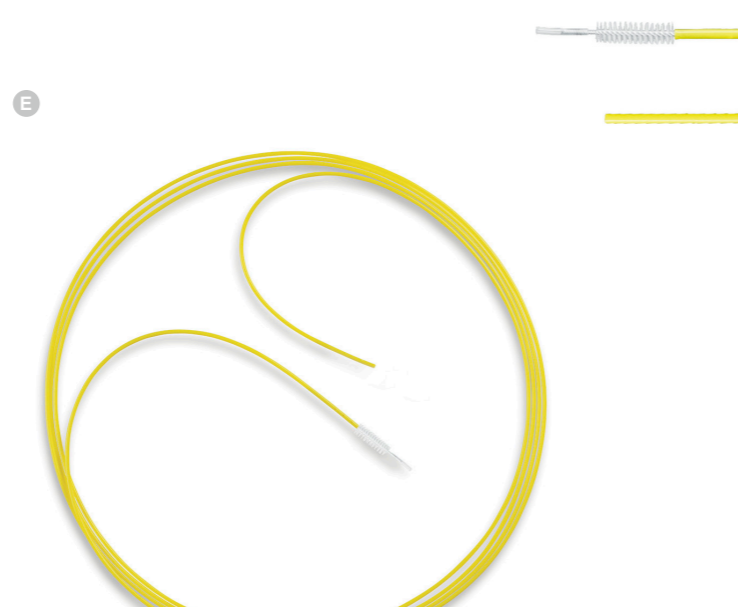
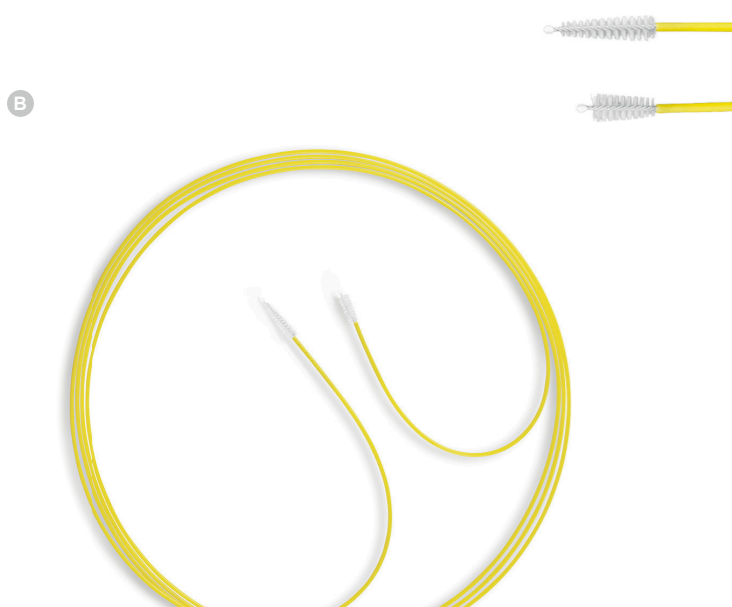
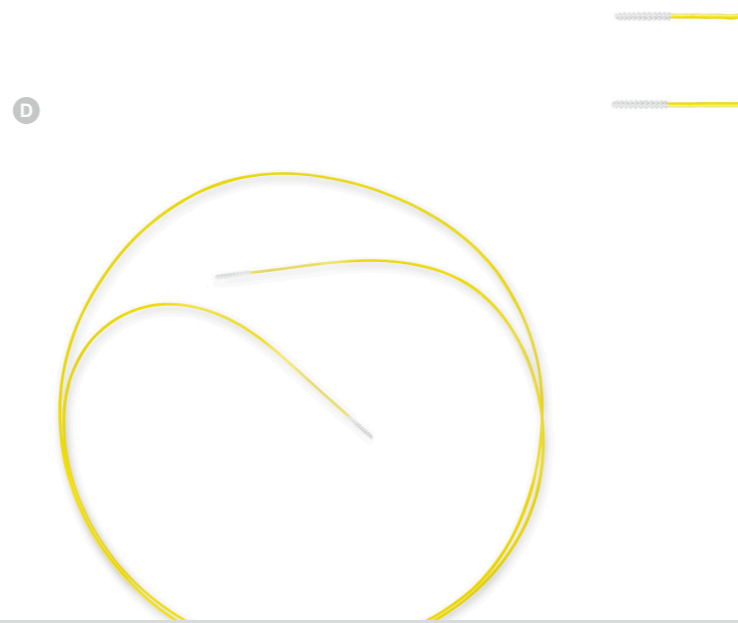
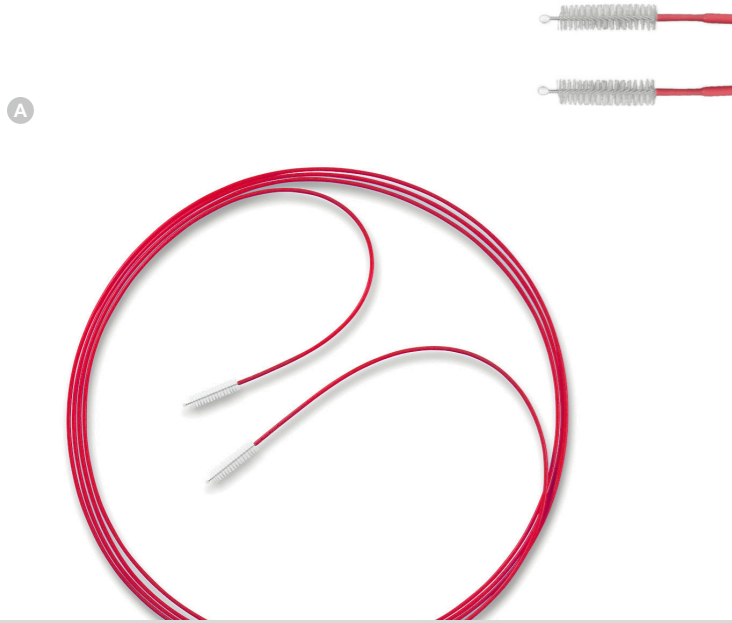
# Instrument Cleaning & Maintenance -Endoscope Cleaning Brushes

## ENDOSCOPE CLEANING BRUSHES

Endoscopes are complex and often difficult to prepare, so choosing the right brushes is critical to effective manual cleaning. For single use.

## CHANNEL BRUSHES

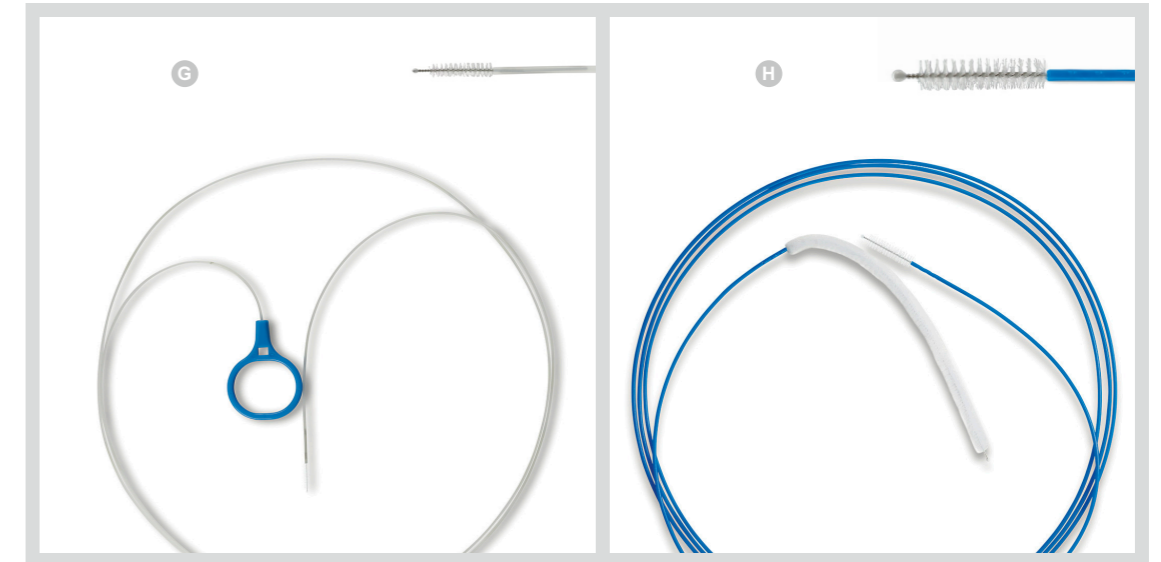
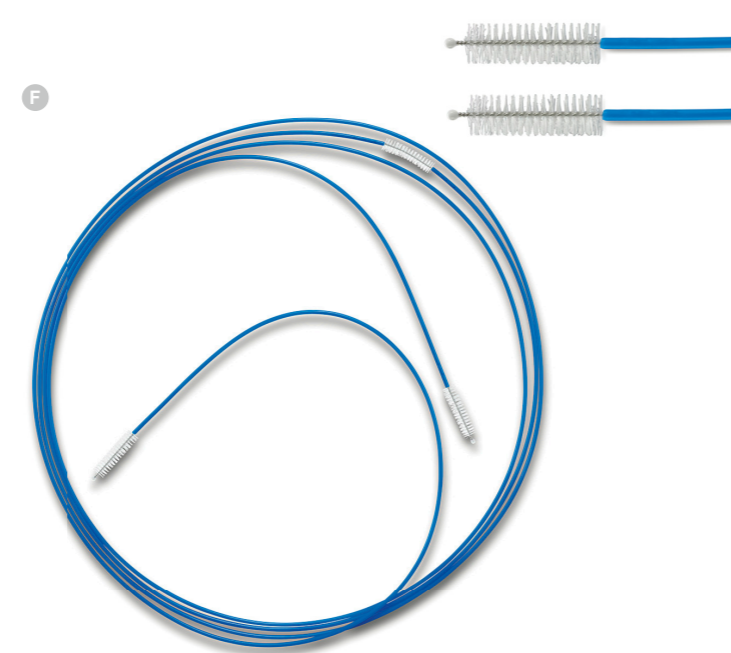
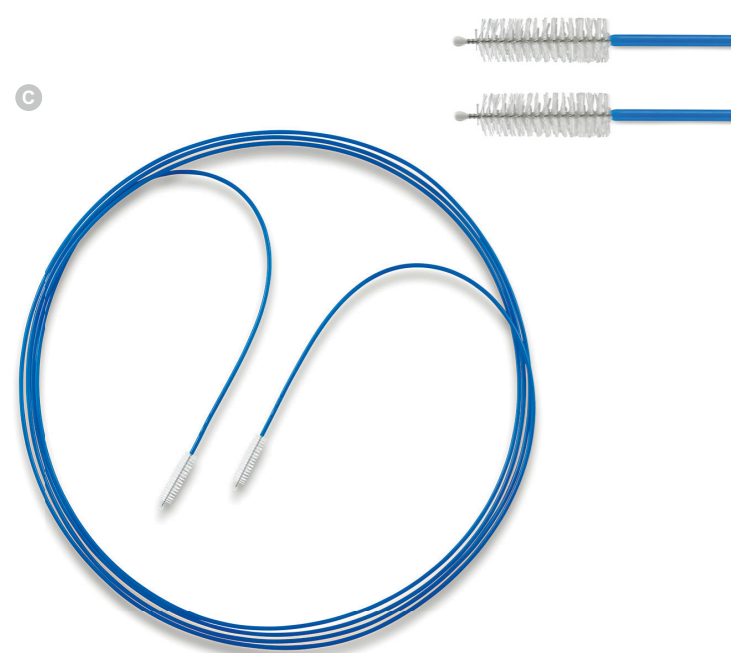
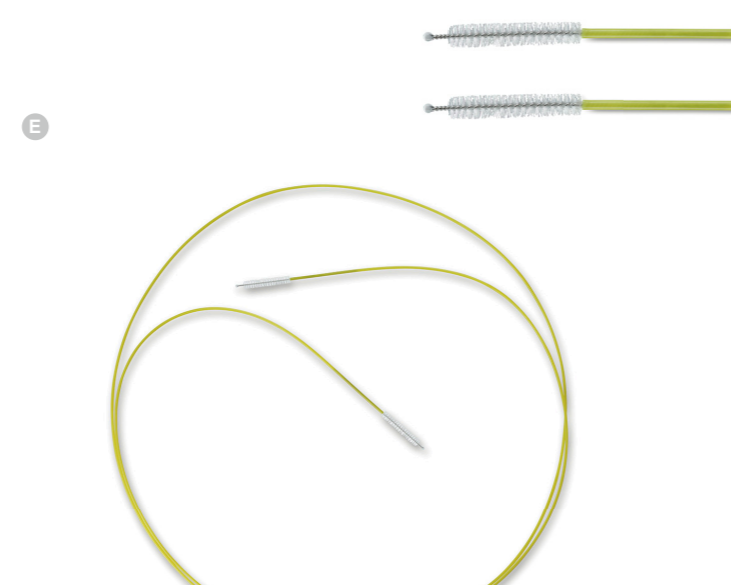
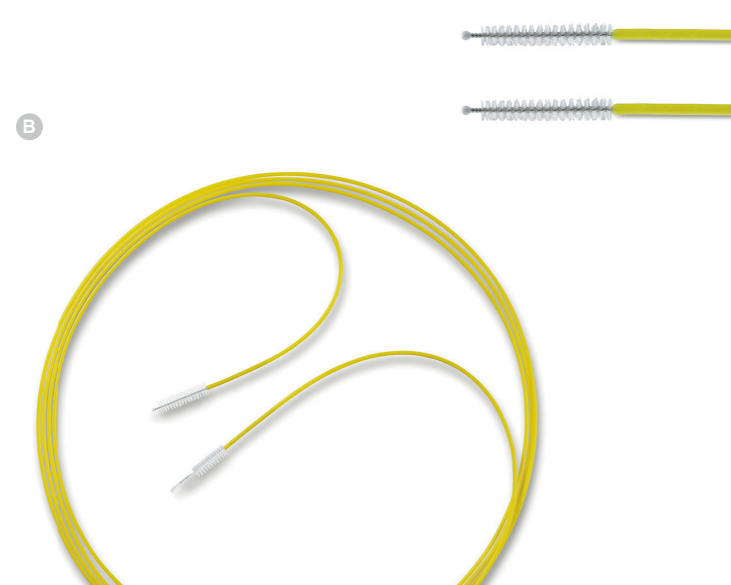
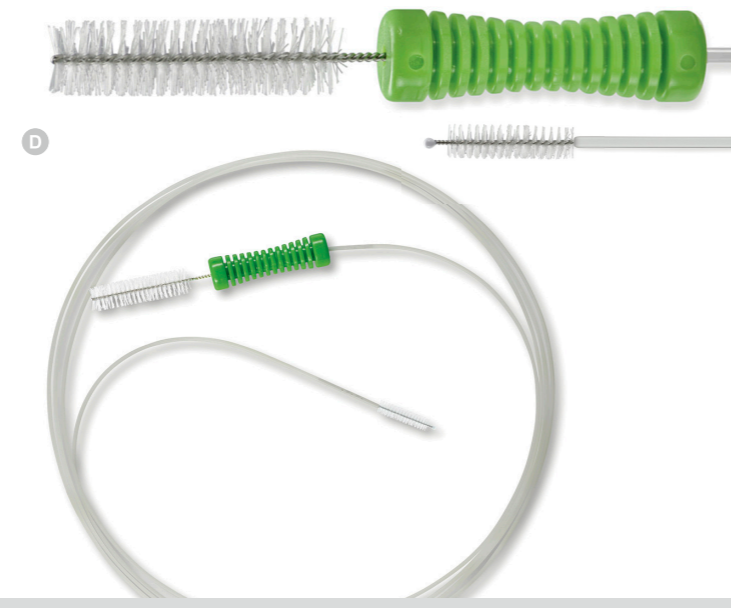
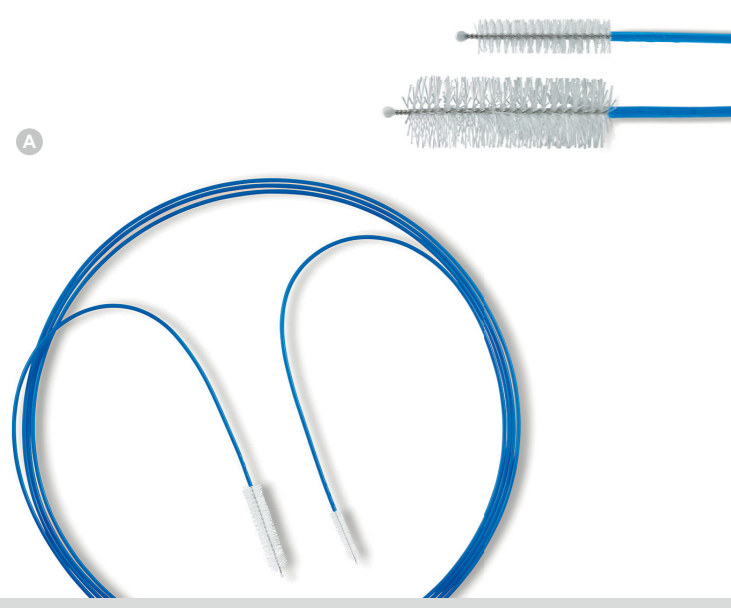
REF	Description	Brush head (mm)	Length (mm)	Working channel (mm)	Working length (mm)	Qty
A	26020 double cleaning brush	5	20	2.8 - 4.2	2300	50 pcs
B	26025 double cleaning brush	4-6/ 3-5	20/13	2.8 - 4.5	2300	50 pcs
C	26482 double cleaning brush	6	20	2.8 - 4.5	3600	50 pcs
D	09352 double cleaning brush	2	12	1.2 -1.5	1000	1 pc
E	26024 single cleaning brush	2.5	14	1.4	2300	50 pcs
F	09349 double cleaning brush	5	23	ab 2.8	2300	1 pc
G	26305 pipe cleaner double-sided	3	300	2.0 - 2.8	2300	50 pcs



## Instrument Cleaning & Maintenance -Endoscope Cleaning Brushes

### CHANNEL BRUSHES

REF	Description	Brush head (mm)	Working channel (mm)	Working length (mm)	Qty
<b>A</b> EB10100	double cleaning brush	5/10	2.8 - 4.2	2500	50 pcs
<b>B</b> EB10102	double cleaning brush	3	2 - 2.4	2300	50 pcs
<b>C</b> EB10103	double cleaning brush	6	2.8 - 4.2	2500	50 pcs
<b>D</b> EB10104	double cleaning brush with handle	5/10	2.8 - 4.2	2300	25 pcs
<b>E</b> EB10136	double cleaning brush (Broncho)	3	1.4 - 2.4	1200	100 pcs
EB10136.5mm	double cleaning brush (Broncho)	5	2 - 2.4	1200	1 pc
EB10137	double cleaning brush	3	1.4 - 2.4	2300	100 pcs
<b>F</b> EB10103.3	cleaning brush with 3 brushes	6	2.8 - 4.2	2500	50 pcs
<b>G</b> EB10106	bronchoscope cleaning brush	2	1.2 - 1.5	1200	50 pcs
EB10106.2	double cleaning brush (Broncho)	2	1.2 - 1.5	2300	100 pcs
<b>H</b> EB10105	pipe cleaning brush	5	2.8 - 4.2	2300	50 pcs
EB10106.2L	bronchoscope cleaning brush	2	1.2 - 1.5	2300	100 pcs





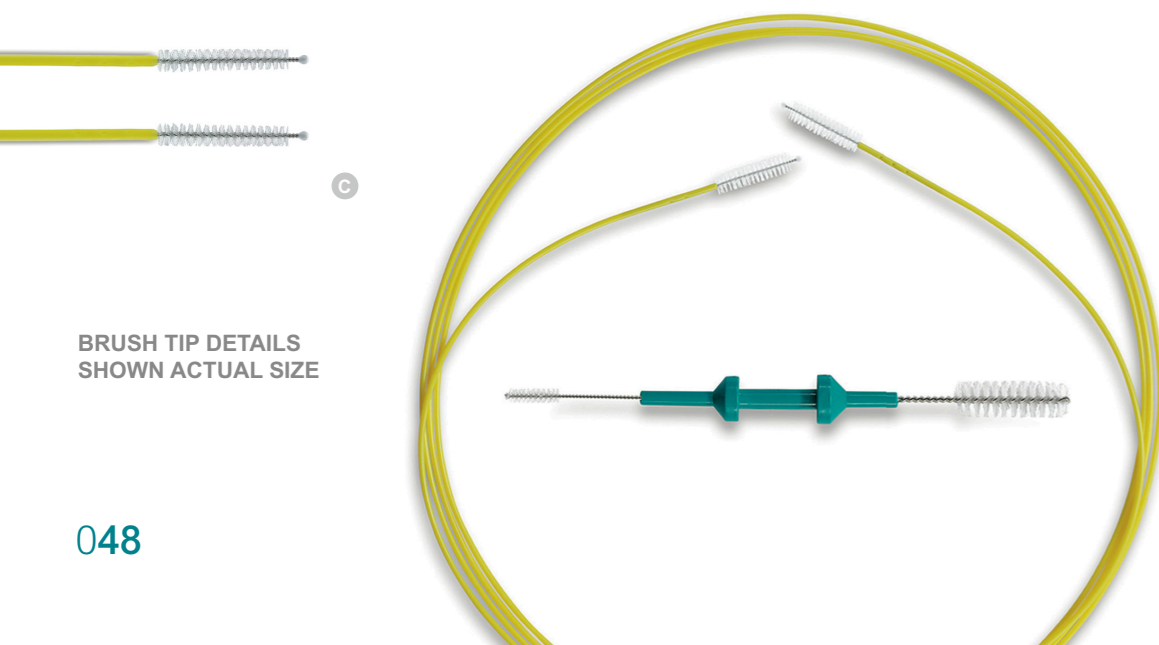
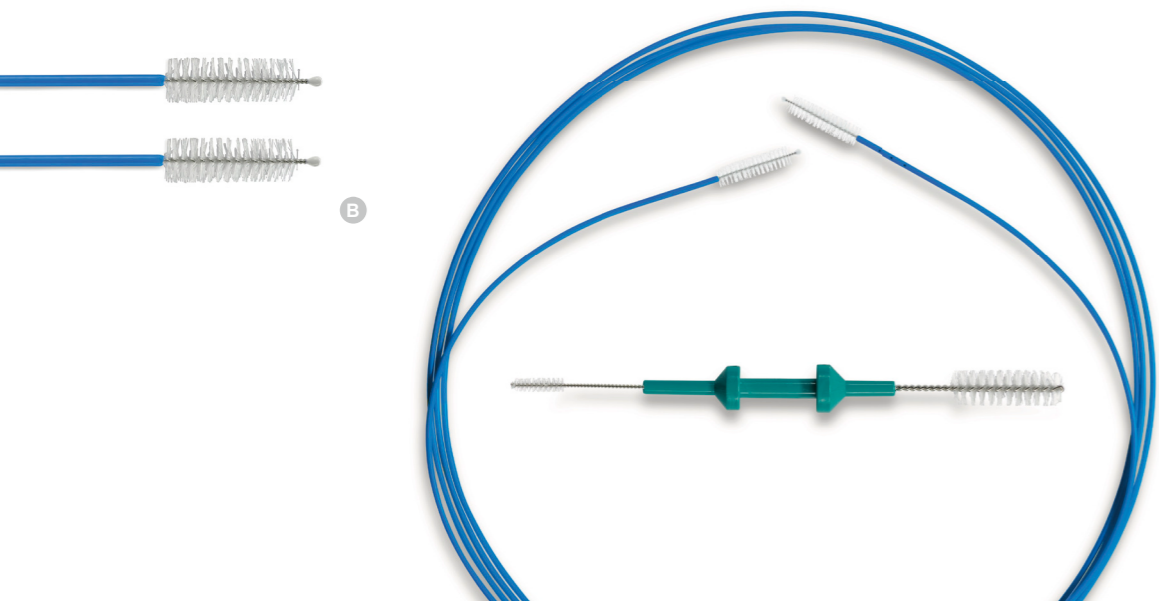
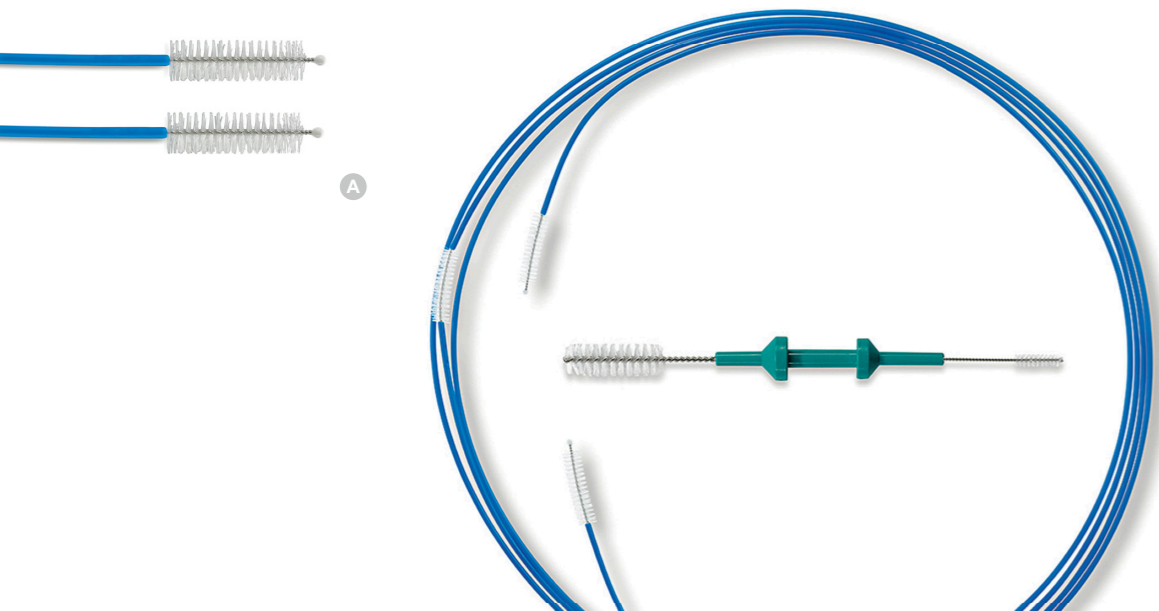
## Instrument Cleaning & Maintenance - Brush Sets

### BRUSH SETS

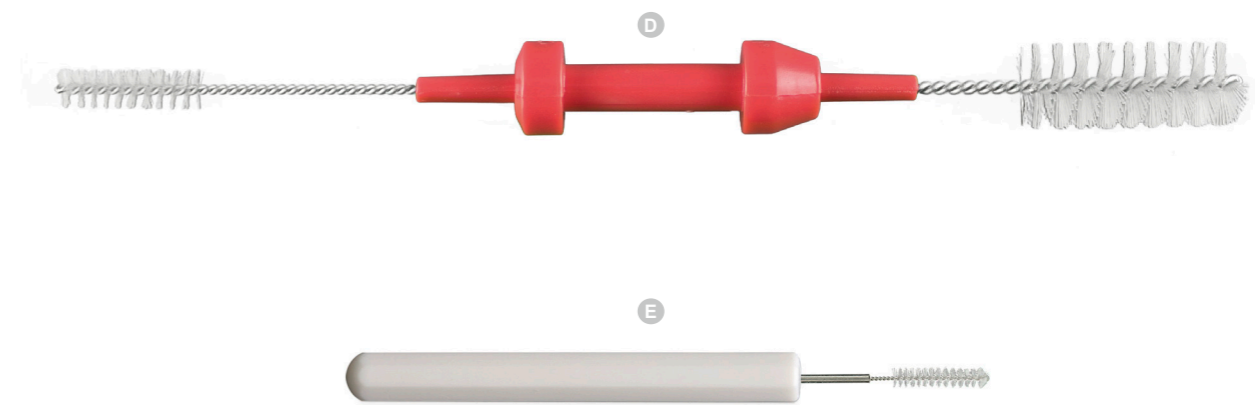
REF	Set	Qty
<b>A</b> EB10103.3C	colonoscopy brush set 3-head (incl. cleaning brush with 3 brushes EB10103.3 & valve/biopsy channel cleaning brush)	50 pcs
<b>B</b> EB10107C	colonoscopy brush set (including double cleaning brush 5mm diameter and 2300mm length & valve/biopsy channel cleaning brush)	50 pcs
<b>C</b> EB10107G	gastroscopy brush set (including double cleaning brush 3mm diameter and 2300mm length & valve/biopsy channel cleaning brush)	50 pcs

### VALVE BRUSH AND ALBARRAN CHANNEL

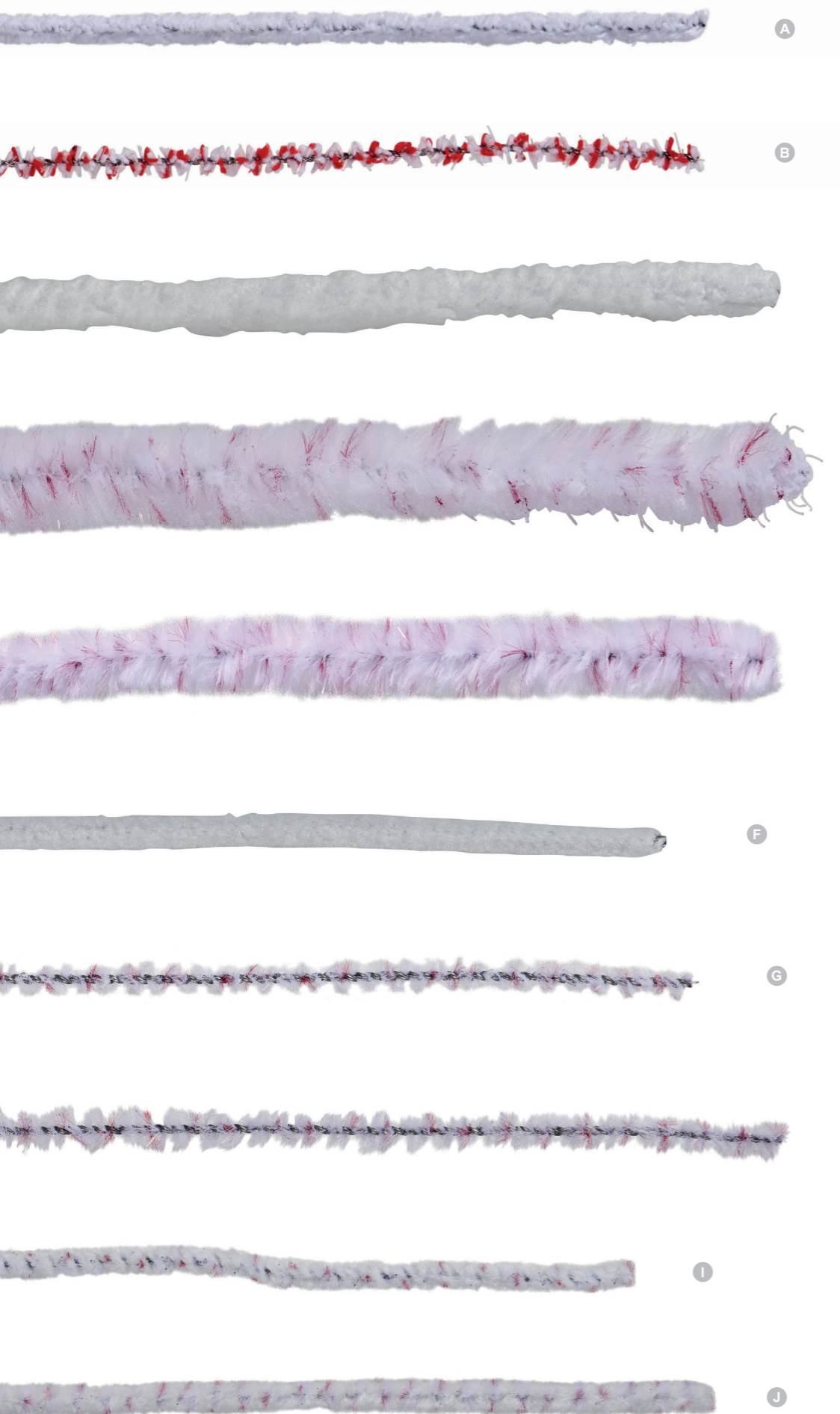
REF	Description	Brush head (mm)	Length (mm)	Qty
<b>D</b> 26027	valve cleaning brush	5.2 /11	156	100 pcs
<b>E</b> EB10108	albarran channel cleaning brush	2.3	13	100 pcs



BRUSH TIP DETAILS  
SHOWN ACTUAL SIZE



## Instrument Cleaning – Pipe Cleaners



### FLEXISTEM AND MICROCLENE

Flexistem and Microcylene are unique cleaners for all small-bore cannula. Various diameters from 3mm to 15mm are available, constructed from very soft to hard bristles. Single use. Flexistem FLEX007A and FLEX007B has a wavy bristle configuration to reduce buckling which can occur in long instruments.

#### FLEXISTEM

REF	Type	Material	Ø (mm)	Length (cm)	Qty
<b>A</b> FLEX001	soft cleaner	cotton	3	1000	1 reel
<b>B</b> FLEX002	super bristle	polyester/nylon	3	1000	1 reel
FLEX003	double ended	polyester/nylon	3	30	100 pcs
FLEX004	fleece	polyester	9	30	50 pcs
<b>C</b> FLEX005	fleece	polyester	12	30	50 pcs
<b>D</b> FLEX006	bristle stem	polyester	15	30	20 pcs
<b>E</b> FLEX007	bristle stem	polyester/nylon	15	500	1 reel
FLEX007A	bristle stem	polyester/nylon	15	500	1 reel
FLEX007B	bristle stem	polyester/nylon	N/A	6.65	10 pcs
<b>F</b> FLEX033	fleece	polyester	3	30	50 pcs

#### MICROCLENE

REF	Type	Material	Ø (mm)	Length (cm)	Qty
<b>G</b> FLEX021	super fine	polyester/nylon	3	750	1 reel
<b>H</b> FLEX022	medium fine	polyester/nylon	6	750	1 reel
<b>I</b> FLEX023	super brush	polyester/nylon	3	750	1 reel
<b>J</b> FLEX024	medium brush	polyester/nylon	6	750	1 reel



## Instrument Cleaning & Maintenance - Cleaning Products

### CLEANING PRODUCTS

Care products and cleaning accessories are available for a wide range of applications.

REF	Description	Format (mm)	Qty
1138042	wiping and cleaning cloth 'Volume R' 80g/m <sup>2</sup>	600 x 380	500 pcs
<b>A</b> 1210001	wiping and cleaning cloth, 100 g/m <sup>2</sup>	330 x 370	600 pcs
<b>B</b> 1138040	wiping and cleaning cloth with tear-off perforation, 500 wipes/roll	300 x 380	2 pcs

### HYGO TOPP DISPENSERS

REF	Description	Qty
<b>C</b> 02018	fleece wet wipes dispenser, empty, lid color: white	1 pc
<b>D</b> 02023	fleece roll white 60 g/m <sup>2</sup> , package: 6 rolls of 90 wipes	6 rolls

**A**

**B**

**C**

**D**


## Instrument Cleaning & Maintenance - Maintenance Products

A



B



C



D



E



F



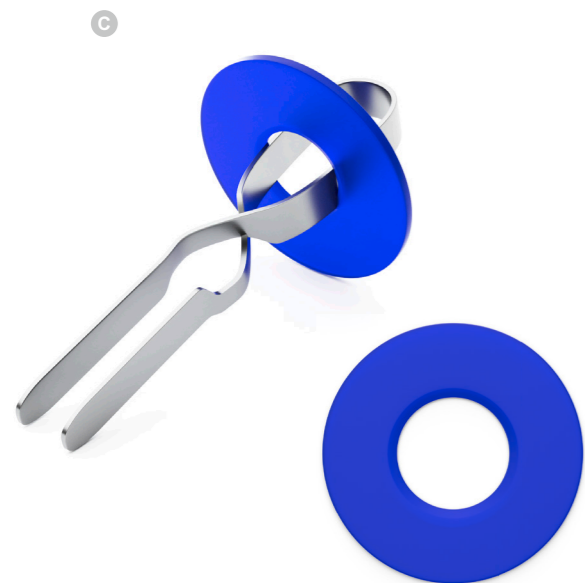
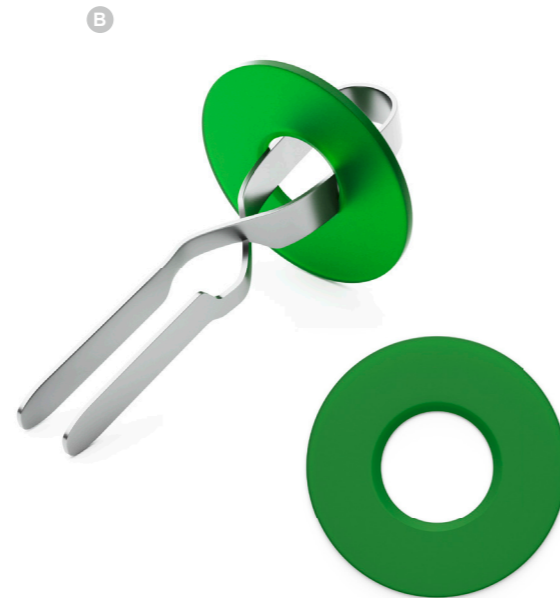
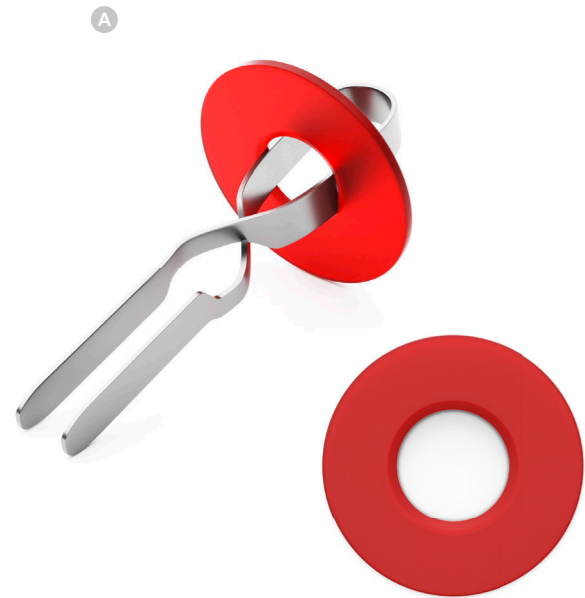
### CLEANING AGENTS

REF	Description	Sizes	Qty
02005	slide rail oil for microtomes elbows and air motors	100ml	1 bottle
<b>A</b> 02008	'Lubrifluid' lubricant for the care of Bien-Air Hand and 500 ml 1 bottle	500ml	1 bottle
<b>B</b> 02006	special oil 'Enginol' for compressed air machines	50ml	1 bottle
<b>C</b> 02004	'Lubrinol' instrument care spray maintenance oil for surgical instruments with a high creeping effect and optimal joint lubrication properties, suitable for steam sterilization at 134 °C	400ml	1 tin

### CLEANING ACCESSORIES

REF	Description	Format (mm)	Qty
<b>D</b> 02120	metal eraser 'Poraflex' W8 Ultra for cleaning metallic surfaces	40 x 25 x 12	1 pc
<b>E</b> 02121	metal eraser 'Poraflex' W8 stick set for cleaning metallic surfaces	80 x 10 x 10	1 set
02122	metal eraser 'Poraflex' W8 stick 2 fine pencil leads (without holder)	80 x 10 x 10	1 pc
<b>F</b> 02117	stain and rust remover pad - gray, very fine, for the removal of rust and other dirt caution: The pads can change the surface structure and should therefore not be used on (high-gloss) coated or chrome-plated surfaces. Test the pads in a prominent place beforehand.	150 x 100	3 pcs
02118	stain and rust remover pad - brown, coarse (see REF 02117)	150 x 100	3 pcs

## Instrument Cleaning & Maintenance - Preparation Aids



### PREPARATION AIDS

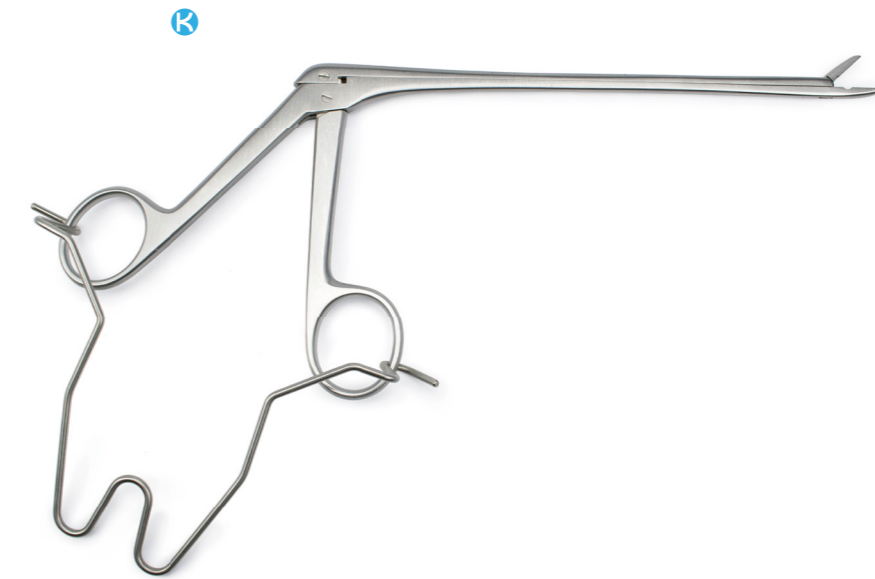
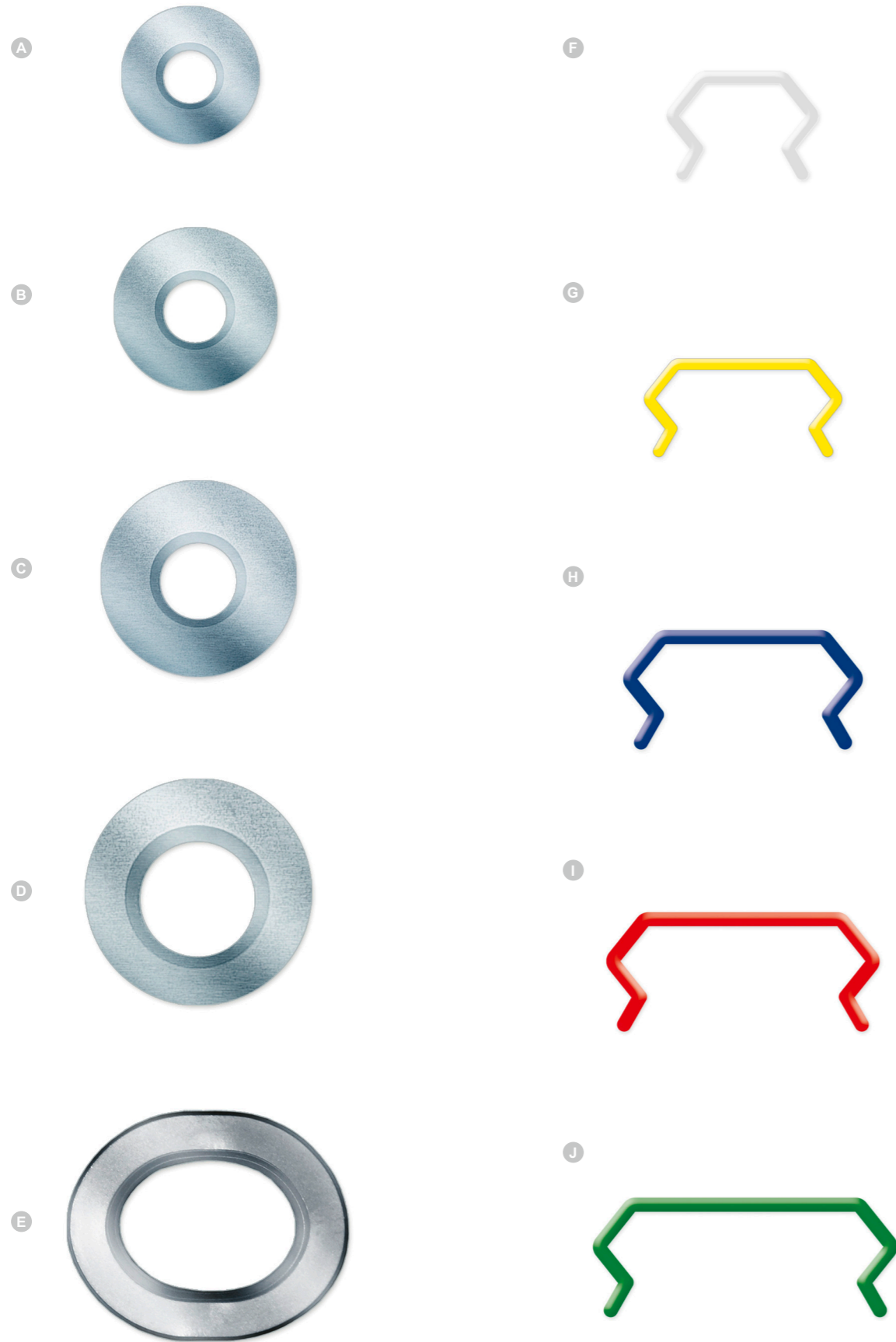
The Key Surgical clamps are made of plastic keep to joints and jaws open, such as in bone forceps, and allow the cleaning of all critical areas. The new conchotome opener makes it easier to dismantle instruments such as rongeurs, conchotomes, Blakesley forceps and similarly constructed instruments. These clamps keep instrument parts open throughout the high level disinfection process. Heat resistant up to 134 °C. Single use.

REF	Description	Color	Internal (mm)	Qty
A 20414	holder for microclip	red	4.8	50 pcs
A 20419	holder for clamp	red	6	50 pcs
A 20424	holder for clamp	red	10	50 pcs
B 20415	holder for microclip	green	4.8	50 pcs
B 20420	holder for clamp	green	6	50 pcs
B 20425	holder for clamp	green	10	50 pcs
C 20416	holder for microclip	blue	4.8	50 pcs
C 20421	holder for clamp	blue	6	50 pcs
C 20426	holder for clamp	blue	10	50 pcs
D 20417	holder for microclip	yellow	4.8	50 pcs
D 20422	holder for clamp	yellow	6	50 pcs
D 20427	holder for clamp	yellow	10	50 pcs
E 20462	conchotome opener stainless steel	-	-	1 pc

## Instrument Cleaning & Maintenance - Preparation Aids

### PREPARATION AIDS - FOR MULTIPLE USE

REF	Description	Color	Material	Diameter (mm)	Qty
<b>A</b> 20413	holder for microclip	-	stainless steel	4.8	1 pc
<b>B</b> 20409	holder for clamps	-	stainless steel	6	5 pcs
<b>C</b> 20429	holder for clamps	-	stainless steel	8.4	5 pcs
<b>D</b> 20410	holder for clamps	-	stainless steel	10	5 pcs
<b>E</b> 20430	holder for clamps	-	stainless steel	14	5 pcs
<b>F</b> 20460	clamp	white	stainless steel with silicone cover	40	1 pc
<b>G</b> 20411	clamp	yellow	stainless steel with silicone cover	50	1 pc
<b>H</b> 20408	clamp	blue	stainless steel with silicone cover	60	1 pc
<b>I</b> 20406	clamp	red	stainless steel with silicone cover	70	1 pc
<b>J</b> 20412	clamp	green	stainless steel with silicone cover	80	1 pc
<b>K</b> 20407	holder for instruments with a ring handle	-	stainless steel	-	1 pct





## Instrument Cleaning & Maintenance - Preparation Aids

### MANIFOLD ACCESSORIES - LUER LOCK MALE

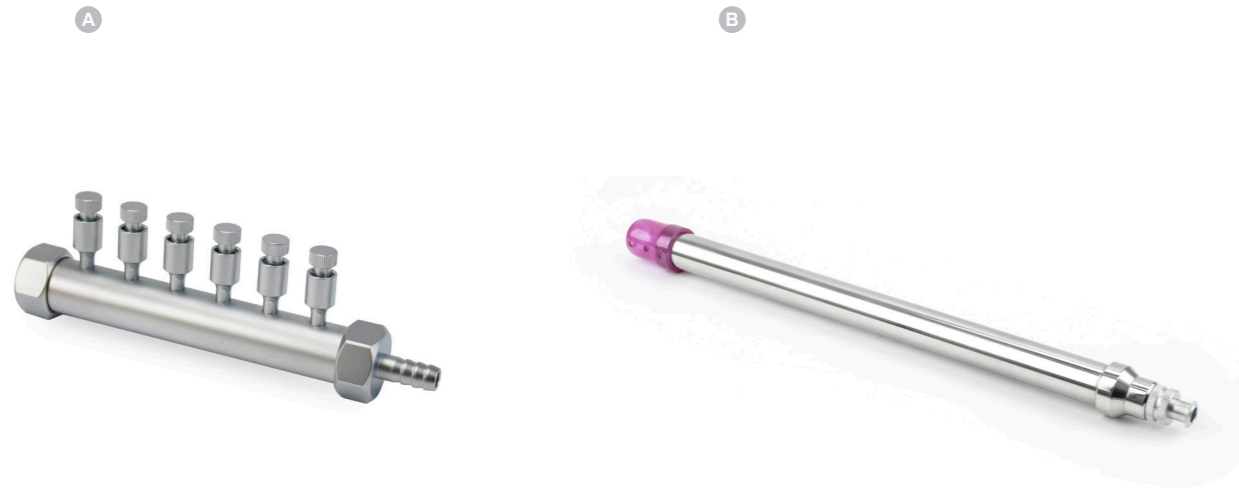
REF	Distance between the connections (mm)	Connections	Qty
<b>A</b> 25000	17	6	1 pc
25001	27	6	1 pc
25029	17	10	1 pc

### FLUSHING NOZZLE

REF	Description	Sizes (mm)	Qty
<b>B</b> 07502	flushing nozzle with luer lock connection, for cleaning in the washer-disinfector	up to 160	1 pc
07503	flushing nozzle with luer lock connection, for cleaning in the washer-disinfector	up to 60	1 pc
07504	cap set made of silicone for flushing nozzle REF 07502 and REF 07503 Set consists of: 1 x protective cap with a single slot 1 x protective cap with cross slot	10 x 19	2 kits
07001	Lid for drill wire container with flushing connection. Suitable for drill wire container made of stainless steel REF 07400-07402, 07421, 07465-07468	NA	1 pc

### TUBE CONNECTORS

REF	Description	Format (mm Ø)	Qty
<b>C</b> 25014	luer lock male	4 x 28	1 pc
<b>C</b> 25015	luer lock male	5 x 30	1 pc
<b>C</b> 25030	luer lock male	6 x 10	1 pc
<b>D</b> 25013	luer lock male	6 x 29	1 pc
<b>D</b> 25016	luer lock male	6 x 30	1 pc
<b>D</b> 25017	luer lock male	8 x 29	1 pc
<b>E</b> 25018	luer lock female	4 x 26	1 pc
<b>E</b> 25019	luer lock female	5 x 28	1 pc
<b>E</b> 25020	luer lock female	6 x 28	1 pc
<b>E</b> 25021	luer lock female	8 x 28	1 pc
25026	luer lock female	6 x 32	1 pc





## Instrument Cleaning & Maintenance - Preparation Aids

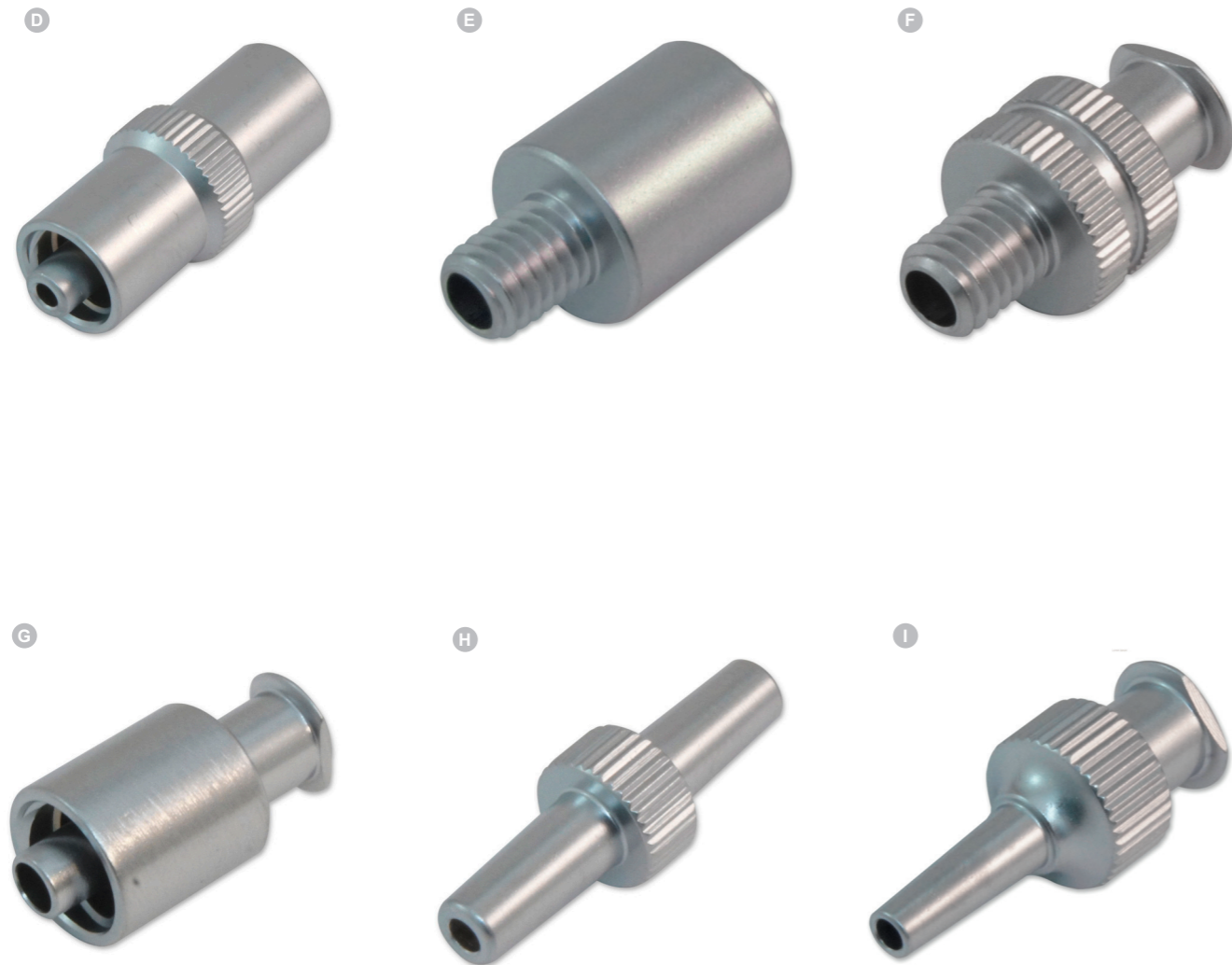


### MANIFOLD ACCESSORIES

REF	Description	Format (mm Ø)	Qty
A	25022 closing cap, luer lock male	11	1 pc
B	25023 closing cap, luer lock female	6 x 11	1 pc
B	25027 sealing caps for flushing strips REF 25000 and 25001	6 x 11	1 pc
C	25025 fine filter made of stainless steel including sealing ring made of silicone flushing strip REF 25000, 25001	NA	1 pc

### CONNECTORS FOR ATTACHMENT

REF	Description	Format (mm Ø)	Length (mm)	Qty
D	25004 2 x luer lock male	2 x 10	26	1 pc
E	25007 luer lock male	5 x 6	19	1 pc
E	25008 luer lock male	6 x 10	23	1 pc
E	25009 luer lock male	8 x 10	23	1 pc
F	25010 luer lock female	5 x 6	18	1 pc
F	25011 luer lock female	6 x 10	22	1 pc
F	25012 luer lock female	8 x 10	22	1 pc
G	25006 luer lock male - luer lock female	10 x 6	20	1 pc
H	25005 luer record male	2 x 4	24	1 pc
I	25002 luer record male to luer lock female	6 x 23	23	1 pc
J	25003 luer lock female	6 x 11	11	1 pc

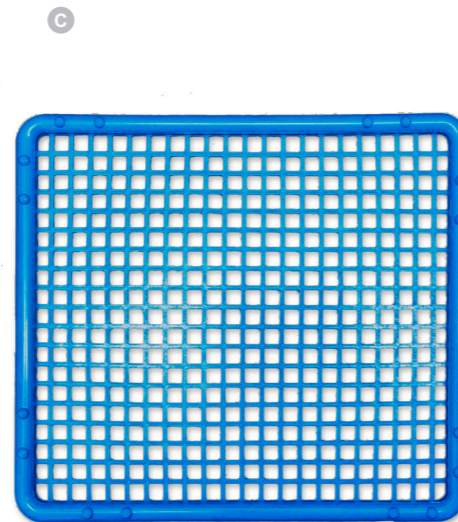
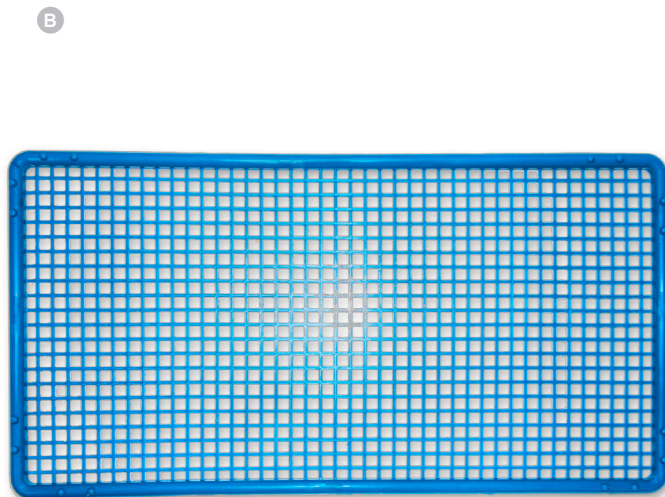


## Instrument Cleaning & Maintenance - Preparation Aids



### Y-SHAPED TUBE CONNECTORS

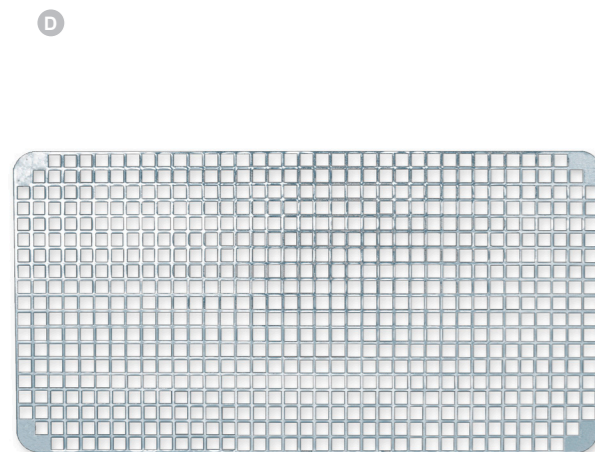
REF	Description	Material	Ø (mm)	Qty
25028	lumen 4 mm	stainless steel	3 x 8	1 pc
<b>A</b> 25100	lumen 4 mm	polypropylene	3 x 5	10 pcs
<b>A</b> 25101	lumen 6 mm	polypropylene	5 x 7	10 pcs
<b>A</b> 25102	lumen 8 mm	polypropylene	7 x 9	10 pcs



### ACCESSORIES

Suitable for washer-disinfectors, blue or stainless steel. Heat resistant 134 °C.

REF	Description	Outer dimensions (mm)	Inner dimensions (mm)	Qty
08881	for 1/1 strainer baskets, frames flexible made of silicone	430 x 230	415 x 210	1 pc
<b>B</b> 09020	for 1/1 strainer baskets, frames rigid made of silicone	445 x 230	425 x 210	1 pc
08114	for 1/1 strainer baskets, frames bendable up to a maximum of 90°, made of silicone	445 x 230	425 x 210	1 pc
<b>C</b> 08846	for 1/2 strainer baskets, frame flexible made of silicone	230 x 205	210 x 185	1 pc
<b>C</b> 08845	for 1/2 strainer baskets, frame rigid made of silicone	235 x 210	215 x 190	1 pc
<b>D</b> 08847	grille cover off stainless steel, rigid	445 x 230	-	1 pc



### PREPARATION ACCESSORIES

REF	Description	Format (mm)	Qty
<b>E</b> 20459	for 8 kidney dishes	460 x 220 x 165	1 pc