

CLEANFLEX® CBS, CBT & CBV-Series CLEANING BRUSHES

Along with the Biopsy Forceps a comprehensive range of cleaning brushes is available. Each end of the spiral features an enhanced flexibility to let the brush move more easily within the working channel and to protect the latter from damage. They are reusable and sterilizable, and available with single brushed end (10 or 20 mm long) and finger ring, or twin brushed ends (one each length). **CBV-Series** is intended for cleaning of endoscopes valve ports.

SINGLE BRUSH

Order no.	Length (cm)	Diameter (mm)
CBS.R.***10.2	230 - 400	2,0
CBS.R.***20.2	230 - 400	2,0
CBS.R.***10.3	230 - 400	3,0
CBS.R.***20.3	230 - 400	3,0
CBS.R.***10.4	230 - 400	4,0
CBS.R.***20.4	230 - 400	4,0

TWIN BRUSH

Order no.	Length (cm)	Diameter (mm)
CBT.R.***20.10.2	230 - 400	2,0
CBT.R.***20.10.3	230 - 400	3,0
CBT.R.***20.10.4	230 - 400	4,0

VALVE PORTS BRUSH

Order no.	Length (cm)	Diameter (mm)
CBV.R.10	-	10



carniamed
VET

Reusable Accessories
For Flexible Endoscopes

Everything under one roof. In Italy.

The **carniamed** range of flexible devices for endoscopes is now available worldwide.

With our extensive experience as Contract Manufacturers of micro-components for implantology and our highly-skilled workforce, we are able to manage the entire production cycle from design concept to packaging and so supply our customers with reliable high quality devices at very competitive prices.

These devices as well as additional product ranges are available for the Human sector too.

Reserch & development



Engineering



Manufacturing



Packaging

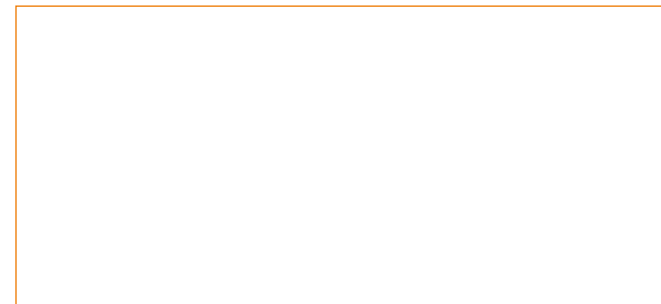


Assembling

Manufacturer

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• Italy • Tel. 0039 0433 775164 • Fax 0039 0433 775856
mail@carniamed.com • www.carniamed.com

Authorized Distributor



ISO 9001
ISO 13485



CE marking is intended for the finished product.

Release TB.V.E.SP./11.06

BITEFLEX®
SP-Series & S-Series
BIOPSY FORCEPS

RETRIFLEX®
SP-Series & S-Series
FOREIGN BODY RETRIEVERS

CLEANFLEX®
CBS, CBT & CBV-Series
CLEANING BRUSHES

BITEFLEX® BIOPSY FORCEPS RETRIFLEX® FOREIGN BODY RETRIEVERS

BITEFLEX® SP-Series Biopsy Forceps and **RETRIFLEX® SP-Series** Foreign Body Retrievers are the result of a long R&D co-operation between Carniaflex and end users. Each single component is designed, manufactured and assembled in-house. They are available in a wide range of shapes, lengths and sizes to suit all usual endoscopy procedures such as bronchoscopy, gastroscopy and colonoscopy. They are made of high quality stainless steel and plastic resins which are specifically engineered for medical applications. The **S-Series** offer the same performances yet they are supplied with both finger ring and finger slide made of stainless steel.

The **finger slide** is ergonomically shaped to fit everybody's fingers for simpler and more comfortable use. Each length group (100-120/160-180/230-300-400 cm) is identified by a different colour so assisting the user to choose for the right device.



The length, the diameter and the production lot of the instrument, as well as any other product information available, are printed on the **white reinforcement sleeve**. An additional clear sleeve will protect the wording during cleaning procedures.



The **table** printed on the handle shows the **length** between each marker and the tip. Choose for the proper length marker in accordance with the endoscope in use for safest use.

The user can rotate the **spiral** for a better orientation of the cups. Upon request, the **cups-shaped products without needle** can tilt sideways.



The spiral shows **length markers** for faster use while allowing the tip to approach and exit the distal end of the endoscope more safely.



These devices are reusable. They are **sealed in NOT Sterile envelopes into Class 10.000 Clean Room**, then individually packed into cardboard boxes, ready to be sterilized. They can be sterilized by either steam or ETO gas.



Cups are made from steel bars by hi-tech machines on our original drawings, graspers of Nitinol wire.



The **elliptical finger ring** rotates on its axis and allows better fitting and increased comfort. Its reduced weight enhances the handle balance.



The **distal part of the spiral** (about 20 cm) is **grind-smoothed** for easier cleaning and safer use within the working channel. Its reduced stiffness also gives the user extra sensitivity for special applications such as in pediatrics.

BITEFLEX® Biopsy Forceps are for use in medical procedures to obtain mucosal tissue samples via endoscopy for clinical examination. The stainless steel used for the cups has been hardened to produce a durable cutting edge. The cups are fenestrated to contain larger tissue samples. They come protected by a silicone cap.

RETRIFLEX® Foreign Body Retrievers will be used to remove foreign bodies of any shape and size from the human body. They can also be used for the removal of polyps. The distal grasping components are made of materials featuring long-lasting elastic properties. Such features, along with a very smooth parts movement resulting from our high-precision assembling process, deliver a product which is much easier and safer to use. Highly-resistant materials and low-maintenance needs make them very cost-effective too. Each device will fit to the endoscope working channel which will size at least 0,2 mm more than the diameter of the instrument itself.

Features & Benefits

- In-house product design, manufacturing and assembling
- High quality raw materials
- Great precision in manufacturing and assembling of components
- Rotation of cups for better orientation
- Also available with tilting cups
- Grind-smoothed distal part of the spiral
- Length markers on spiral plus lengths table on handle
- Ergonomically shaped finger slide
- First quality packaging under Class 10.000 Clean room procedures
- Reusable & sterilizable - Steam and ETO
- In accordance with ISO13485 and CE marked
- 2 years warranty from material and manufacturing defects

These devices are compatible with all the most popular brands of endoscopes currently available in the market. Before use please carefully check compatibility or contact your local Distributor for further assistance.

Order numbers are made up of letters and numbers as per the example below, and are to be completed by replacing the dots with either length or diameter. Cups models without needle can tilt, add an **Y** to the order number to order them.

BITEFLEX® order numbers

B . R . SP . OF . Y . 120 . 18			
Biopsy forceps	Handle S steel - P plastic	Tilting	Diameter in mm/10
Reusable	Cups	Length in cm	

RETRIFLEX® order numbers

BR . R . SP . AC . Y . 120 . 18			
Foreign body retriever	Handle S steel - P plastic	Tilting	Diameter in mm/10
Reusable	Distal	Length in cm	

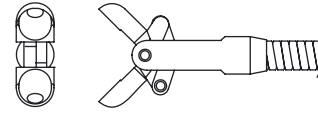
CLEANFLEX® order numbers

CBS . R . 230 . 20 . 10 . 3			
Brushes S single - T twin V valve	Length in cm	Length brush #2 in mm	Diameter in mm
Reusable	Length brush #1 in mm	Brushes diameter in mm	

BITEFLEX® BIOPSY FORCEPS

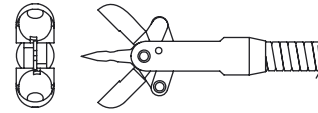
OVAL FENESTRATED CUPS

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
B.R.SP.OF.100.00	100	1,0 - 1,6 - 1,8 - 2,1 - 2,3	2,9 - 4,4 - 4,9 - 5,7 - 6,1
B.R.SP.OF.120.00	120	1,0 - 1,6 - 1,8 - 2,1 - 2,3 - 2,5	2,9 - 4,4 - 4,9 - 5,7 - 6,1 - 7,1
B.R.SP.OF.160.00	160	1,6 - 1,8 - 2,1 - 2,3 - 2,5 - 2,8	4,4 - 4,9 - 5,7 - 6,1 - 7,7 - 7,7
B.R.SP.OF.180.00	180	1,0 - 1,6 - 1,8 - 2,1 - 2,3 - 2,5 - 2,8 - 3,4	2,9 - 4,4 - 4,9 - 5,7 - 6,1 - 7,7 - 7,7 - 8,9
B.R.SP.OF.230.00	230	1,6 - 1,8 - 2,1 - 2,3 - 2,5 - 2,8 - 3,4	4,4 - 4,9 - 5,7 - 6,1 - 7,7 - 7,7 - 8,9
B.R.SP.OF.300.00	300	2,5 - 2,8 - 3,4	7,7 - 7,7 - 8,9
B.R.SP.OF.400.00	400	2,5 - 2,8 - 3,4	7,7 - 7,7 - 8,9



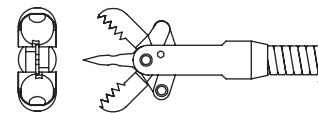
OVAL FENESTRATED CUPS WITH NEEDLE

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
B.R.SP.OF.N.100.00	100	1,6 - 1,8 - 2,1 - 2,3	4,4 - 4,9 - 5,7 - 6,1
B.R.SP.OF.N.120.00	120	1,6 - 1,8 - 2,1 - 2,3 - 2,5	4,4 - 4,9 - 5,7 - 6,1 - 7,1
B.R.SP.OF.N.160.00	160	1,6 - 1,8 - 2,1 - 2,3 - 2,5 - 2,8	4,4 - 4,9 - 5,7 - 6,1 - 7,1 - 7,7
B.R.SP.OF.N.180.00	180	1,6 - 1,8 - 2,1 - 2,3 - 2,5 - 2,8 - 3,4	4,4 - 4,9 - 5,7 - 6,1 - 7,1 - 7,7 - 8,9
B.R.SP.OF.N.230.00	230	1,6 - 1,8 - 2,1 - 2,3 - 2,5 - 2,8 - 3,4	4,4 - 4,9 - 5,7 - 6,1 - 7,1 - 7,7 - 8,9
B.R.SP.OF.N.300.00	300	2,5 - 2,8 - 3,4	7,1 - 7,7 - 8,9
B.R.SP.OF.N.400.00	400	2,5 - 2,8 - 3,4	7,1 - 7,7 - 8,9



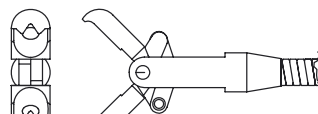
OVAL FENESTRATED TOOTHED CUPS WITH NEEDLE

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
B.R.SP.OF.TN.100.00	100	1,8 - 2,1 - 2,3	4,6 - 5,7 - 5,8
B.R.SP.OF.TN.120.00	120	1,8 - 2,1 - 2,3 - 2,5	4,6 - 5,7 - 5,8 - 7,0
B.R.SP.OF.TN.160.00	160	1,8 - 2,1 - 2,3 - 2,5	4,6 - 5,7 - 5,8 - 7,0
B.R.SP.OF.TN.180.00	180	1,8 - 2,1 - 2,3 - 2,5	4,6 - 5,7 - 5,8 - 7,0
B.R.SP.OF.TN.230.00	230	1,8 - 2,1 - 2,3 - 2,5	4,6 - 5,7 - 5,8 - 7,0
B.R.SP.OF.TN.300.00	300	2,5	7,0
B.R.SP.OF.TN.400.00	400	2,5	7,0



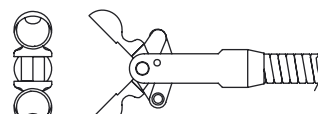
OVAL FENESTRATED TILTING CUPS WITH RAT TOOTH

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
B.R.SP.OF.RT.100.23	100	2,3	6,0
B.R.SP.OF.RT.120.23	120	2,3	6,0
B.R.SP.OF.RT.160.23	160	2,3	6,0
B.R.SP.OF.RT.180.23	180	2,3	6,0
B.R.SP.OF.RT.230.23	230	2,3	6,0
B.R.SP.OF.RT.300.23	300	2,3	6,0
B.R.SP.OF.RT.400.23	400	2,3	6,0



ROUND FENESTRATED CUPS

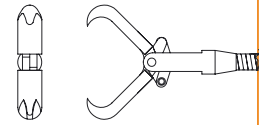
Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
B.R.SP.CF.100.00	100	1,8 - 2,3	4,9 - 6,4
B.R.SP.CF.120.00	120	1,8 - 2,3	4,9 - 6,4
B.R.SP.CF.160.00	160	1,8 - 2,3	4,9 - 6,4
B.R.SP.CF.180.00	180	1,8 - 2,3	4,9 - 6,4
B.R.SP.CF.230.00	230	1,8 - 2,3	4,9 - 6,4



RETRIFLEX® FOREIGN BODY RETRIEVERS

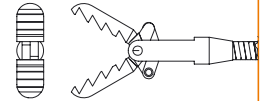
RAT TOOTH

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.RT.100.00	100	1,8 - 2,3	4,6 - 5,8
BR.R.SP.RT.120.00	120	1,8 - 2,3 - 2,5	4,6 - 5,8 - 6,4
BR.R.SP.RT.160.00	160	1,8 - 2,3 - 2,5	4,6 - 5,8 - 6,4
BR.R.SP.RT.180.00	180	1,8 - 2,3 - 2,5	4,6 - 5,8 - 6,4
BR.R.SP.RT.230.00	230	1,8 - 2,3 - 2,5	4,6 - 5,8 - 6,4
BR.R.SP.RT.300.00	300	2,3 - 2,5	5,8 - 6,4
BR.R.SP.RT.400.00	400	2,5	6,4



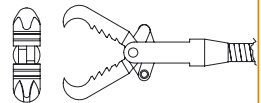
ALLIGATOR

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.A.100.00	100	1,8 - 2,3	5,7 - 7,3
BR.R.SP.A.120.00	120	1,8 - 2,3 - 2,5	5,7 - 7,3 - 7,9
BR.R.SP.A.160.00	160	1,8 - 2,3 - 2,5	5,7 - 7,3 - 7,9
BR.R.SP.A.180.00	180	1,8 - 2,3 - 2,5	5,7 - 7,3 - 7,9
BR.R.SP.A.230.00	230	1,8 - 2,3 - 2,5	5,7 - 7,3 - 7,9
BR.R.SP.A.300.00	300	2,3 - 2,5	7,3 - 7,9
BR.R.SP.A.400.00	400	2,5	7,9



ALLIGATOR CROCODILE

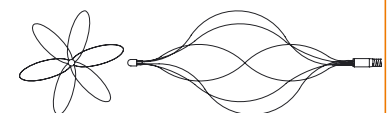
Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.AC.100.00	100	1,8 - 2,3	4,7 - 6,1
BR.R.SP.AC.120.00	120	1,8 - 2,3 - 2,5	4,7 - 6,1 - 6,6
BR.R.SP.AC.160.00	160	1,8 - 2,3 - 2,5	4,7 - 6,1 - 6,6
BR.R.SP.AC.180.00	180	1,8 - 2,3 - 2,5	4,7 - 6,1 - 6,6
BR.R.SP.AC.230.00	230	1,8 - 2,3 - 2,5	4,7 - 6,1 - 6,6
BR.R.SP.AC.300.00	300	2,3 - 2,5	6,1 - 6,6
BR.R.SP.AC.400.00	400	2,5	6,6



HELICOIDAL BASKETS

6-wire

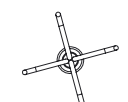
Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.6W1.000.18	120 - 180 - 230	1,8	15
BR.R.SP.6W1.000.23	180 - 230 - 300 - 400	2,3	15
BR.R.SP.6W2.000.18	120 - 180 - 230	1,8	25
BR.R.SP.6W2.000.23	180 - 230 - 300 - 400	2,3	25
BR.R.SP.6W3.000.18	120 - 180 - 230	1,8	35
BR.R.SP.6W3.000.23	180 - 230 - 300 - 400	2,3	35



GRASPERS

4-sprong with hooks

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.4H.000.23	120 - 160 - 180 - 230 - 300 - 400	2,3	23
BR.R.SP.4H.000.25	120 - 160 - 180 - 230 - 300 - 400	2,5	23



4-sprong with eyelets

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.4E.000.23	120 - 160 - 180 - 230 - 300 - 400	2,3	23
BR.R.SP.4E.000.25	120 - 160 - 180 - 230 - 300 - 400	2,5	23

