

## 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 (either 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



REUSABLE ACCESSORIES FOR  
**Gastrointestinal  
 Transnasal  
 Pulmonary**  
 ENDOSCOPIC APPLICATIONS

## 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.

Also available (and shown on separate catalogues): foreign body retrievers, intragastric balloons retrievers, biliary stents retrievers, single and double action scissors. All products are available for Veterinary applications too.

Reserch & development



Engineering



Manufacturing



Packaging

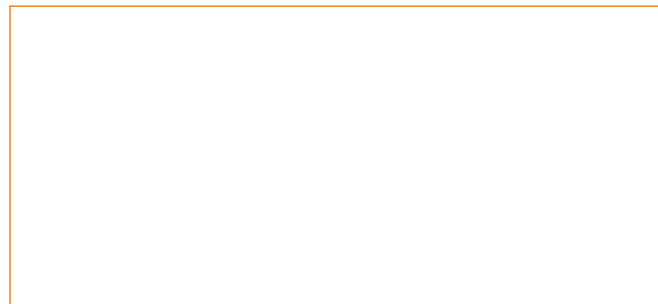


Assembling

### Manufacturer

**Carniaflex Srl** • Via Nazionale 8 • I-33026 Paluzza • Udine  
 • 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.

**BITEFLEX**® SP-Series & S-Series  
 BIOPSY FORCEPS

**CLEANFLEX**® CBS, CBT & CBV-Series  
 CLEANING BRUSHES



# BITEFLEX® SP-Series & S-Series BIOPSY FORCEPS

**BITEFLEX® SP-Series Biopsy Forceps** 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 **elliptical finger ring** rotates on its axis and allows better fitting and increased comfort. Its reduced weight enhances the handle balance.



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 **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.



The user can **rotate the spiral** for a better orientation of the cups. Upon request, the products fitted with cups 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.



**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.

Such features, along with its very smooth use 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

**BITEFLEX®** Biopsy Forceps 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 without needle can tilt, add an **Y** to the order number to order them.

### BITEFLEX® order numbers

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

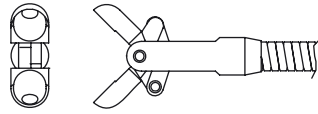
### CLEANFLEX® order numbers

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

# BITEFLEX® SP-Series & S-Series BIOPSY FORCEPS

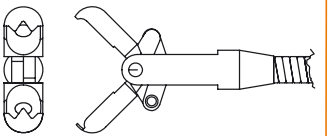
## OVAL FENESTRATED CUPS

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
B.R.SP.OF.100.♦♦	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.♦♦	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.♦♦	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.♦♦	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.♦♦	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.♦♦	300	2,5 - 2,8 - 3,4	7,7 - 7,7 - 8,9
B.R.SP.OF.400.♦♦	400	2,5 - 2,8 - 3,4	7,7 - 7,7 - 8,9



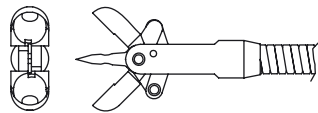
## OVAL FENESTRATED TILTING CUPS WITH RAT TOOTH

Order no.	Length (cm)	Diameter (mm)	Opening span
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



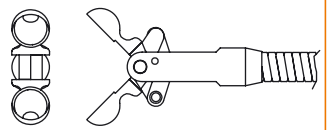
## OVAL FENESTRATED CUPS WITH NEEDLE

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
B.R.SP.OF.N.100.♦♦	100	1,6 - 1,8 - 2,1 - 2,3	4,4 - 4,9 - 5,7 - 6,1
B.R.SP.OF.N.120.♦♦	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.♦♦	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.♦♦	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.♦♦	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.♦♦	300	2,5 - 2,8 - 3,4	7,1 - 7,7 - 8,9
B.R.SP.OF.N.400.♦♦	400	2,5 - 2,8 - 3,4	7,1 - 7,7 - 8,9



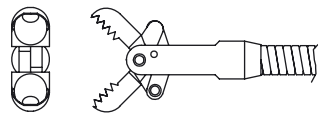
## ROUND FENESTRATED CUPS

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



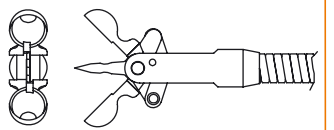
## OVAL FENESTRATED TOOTHED CUPS

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
B.R.SP.OF.T.100.♦♦	100	1,8 - 2,1 - 2,3	4,6 - 5,7 - 5,8
B.R.SP.OF.T.120.♦♦	120	1,8 - 2,1 - 2,3 - 2,5	4,6 - 5,7 - 5,8 - 7,0
B.R.SP.OF.T.160.♦♦	160	1,8 - 2,1 - 2,3 - 2,5	4,6 - 5,7 - 5,8 - 7,0
B.R.SP.OF.T.180.♦♦	180	1,8 - 2,1 - 2,3 - 2,5	4,6 - 5,7 - 5,8 - 7,0
B.R.SP.OF.T.230.♦♦	230	1,8 - 2,1 - 2, 3 - 2,5	4,6 - 5,7 - 5,8 - 7,0
B.R.SP.OF.T.300.♦♦	300	2,5	7,0
B.R.SP.OF.T.400.♦♦	400	2,5	7,0



## ROUND FENESTRATED CUPS WITH NEEDLE

Order no.	Length (cm)	Diameter (mm)	Opening span
B.R.SP.CF.N.100.23	100	2,3	6,4
B.R.SP.CF.N.120.23	120	2,3	6,4
B.R.SP.CF.N.160.23	160	2,3	6,4
B.R.SP.CF.N.180.23	180	2,3	6,4
B.R.SP.CF.N.230.23	230	2,3	6,4



## OVAL FENESTRATED TOOTHED CUPS WITH NEEDLE

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

