

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

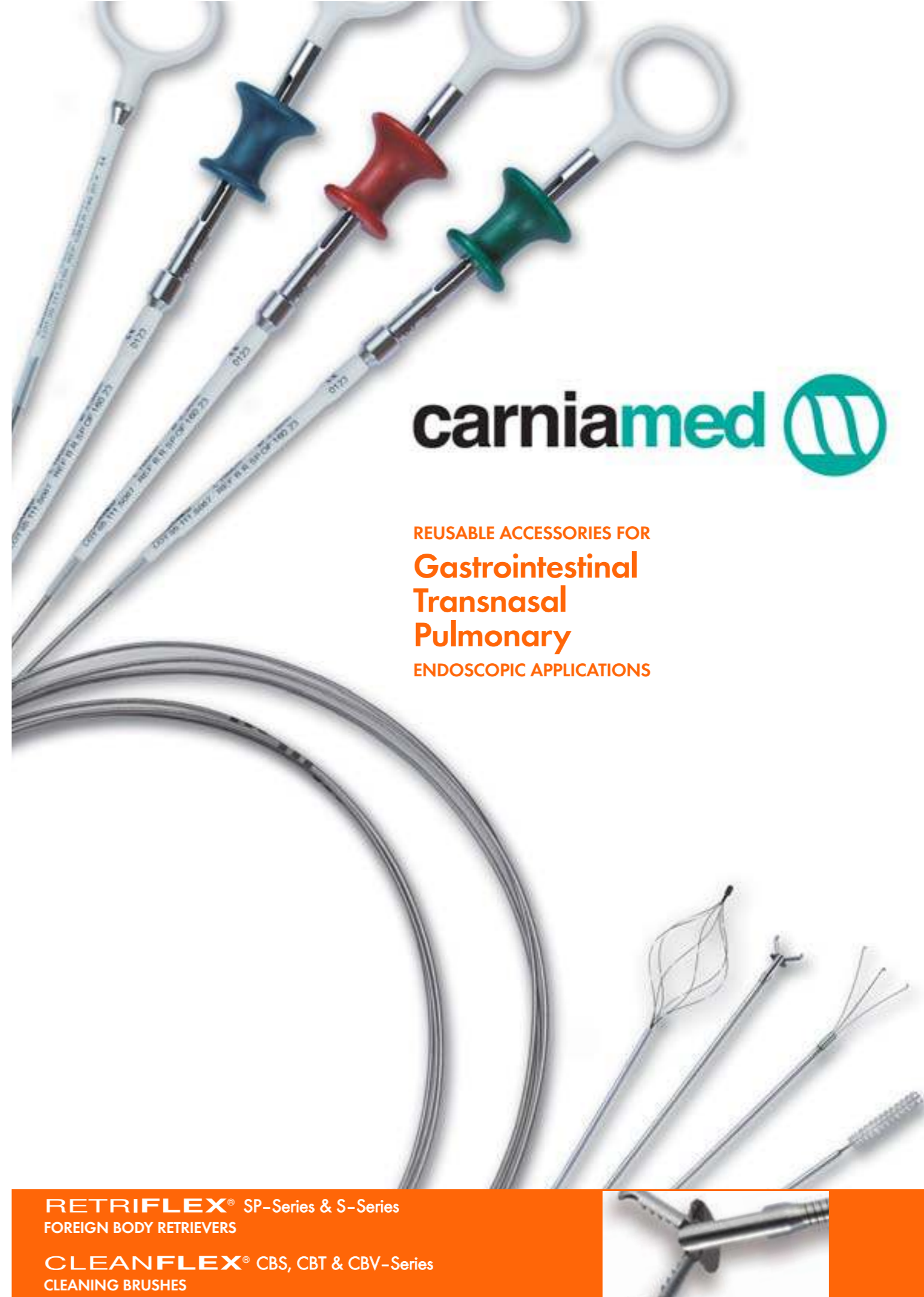
Order no.	Length (cm)	Diameter (mm)
CBS.R.***10.2	230 - 400	2,0
CBS.R.***20.2	230 - 400	2,0
CBS.R.***10.3	230 - 400	3,0
CBS.R.***20.3	230 - 400	3,0
CBS.R.***10.4	230 - 400	4,0
CBS.R.***20.4	230 - 400	4,0

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): biopsy forceps, 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

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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.

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

CLEANFLEX® CBS, CBT & CBV-Series
 CLEANING BRUSHES

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

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.

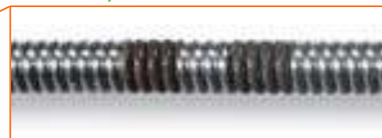


The **table** printed on the handle shows the **length** between each marker and the tip. Choose for the proper length marker in accordance with the endoscope in use for safest use.

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



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.

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.



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

RETRIFLEX® Foreign Body Retrievers 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 can tilt, add an **Y** to the order number to order them.

RETRIFLEX® order numbers

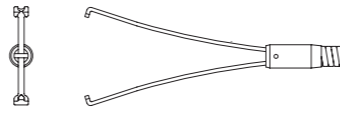
B R . R . S P . A C . Y . 1 2 0 . 1 8	
Foreign body retriever	Handle S steel - P plastic
Reusable	Distal part
	Tilting
	Length in cm
	Diameter in mm/10

CLEANFLEX® order numbers

C B S . R . 2 3 0 . 2 0 . 1 0 . 3			
Brushes S single - T twin - V valve	Length in cm	Length brush #2 in mm	Brushes diameter in mm
Reusable		Length brush #1 in mm	

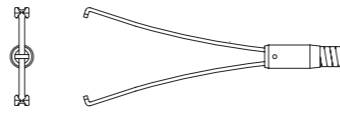
FORKED JAWS 1:2

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.J1.100.**	100	1,8 - 2,3	6,2 - 10
BR.R.SP.J1.120.**	120	1,8 - 2,3	6,2 - 10
BR.R.SP.J1.160.**	160	1,8 - 2,3	6,2 - 10
BR.R.SP.J1.180.**	180	1,8 - 2,3	6,2 - 10
BR.R.SP.J1.230.**	230	1,8 - 2,3	6,2 - 10
BR.R.SP.J1.300.**	300	2,3	6,2 - 10



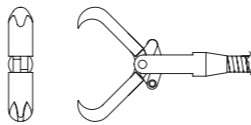
FORKED JAWS 2:2

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.J2.100.**	100	1,8 - 2,3	6,2 - 10
BR.R.SP.J2.120.**	120	1,8 - 2,3	6,2 - 10
BR.R.SP.J2.160.**	160	1,8 - 2,3	6,2 - 10
BR.R.SP.J2.180.**	180	1,8 - 2,3	6,2 - 10
BR.R.SP.J2.230.**	230	1,8 - 2,3	6,2 - 10
BR.R.SP.J2.300.**	300	2,3	6,2 - 10



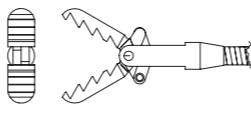
RAT TOOTH

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.RT.100.**	100	1,8 - 2,3	4,6 - 5,8
BR.R.SP.RT.120.**	120	1,8 - 2,3 - 2,5	4,6 - 5,8 - 6,4
BR.R.SP.RT.160.**	160	1,8 - 2,3 - 2,5	4,6 - 5,8 - 6,4
BR.R.SP.RT.180.**	180	1,8 - 2,3 - 2,5	4,6 - 5,8 - 6,4
BR.R.SP.RT.230.**	230	1,8 - 2,3 - 2,5	4,6 - 5,8 - 6,4
BR.R.SP.RT.300.**	300	2,3 - 2,5	5,8 - 6,4
BR.R.SP.RT.400.**	400	2,5	6,4



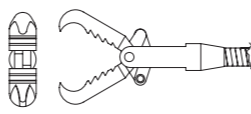
ALLIGATOR

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.A.100.**	100	1,8 - 2,3	5,7 - 7,3
BR.R.SP.A.120.**	120	1,8 - 2,3 - 2,5	5,7 - 7,3 - 7,9
BR.R.SP.A.160.**	160	1,8 - 2,3 - 2,5	5,7 - 7,3 - 7,9
BR.R.SP.A.180.**	180	1,8 - 2,3 - 2,5	5,7 - 7,3 - 7,9
BR.R.SP.A.230.**	230	1,8 - 2,3 - 2,5	5,7 - 7,3 - 7,9
BR.R.SP.A.300.**	300	2,3 - 2,5	7,3 - 7,9
BR.R.SP.A.400.**	400	2,5	7,9



ALLIGATOR CROCODILE

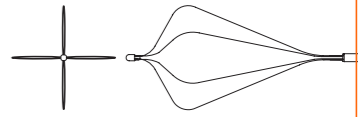
Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.AC.100.**	100	1,8 - 2,3	4,7 - 6,1
BR.R.SP.AC.120.**	120	1,8 - 2,3 - 2,5	4,7 - 6,1 - 6,6
BR.R.SP.AC.160.**	160	1,8 - 2,3 - 2,5	4,7 - 6,1 - 6,6
BR.R.SP.AC.180.**	180	1,8 - 2,3 - 2,5	4,7 - 6,1 - 6,6
BR.R.SP.AC.230.**	230	1,8 - 2,3 - 2,5	4,7 -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



HEXAGONAL BASKETS

4-wire

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.4X1.**.18	120 - 180 - 230	1,8	15
BR.R.SP.4X1.**.23	180 - 230 - 300 - 400	2,3	15
BR.R.SP.4X2.**.18	120 - 180 - 230	1,8	25
BR.R.SP.4X2.**.23	180 - 230 - 300 - 400	2,3	25
BR.R.SP.4X3.**.18	120 - 180 - 230	1,8	35
BR.R.SP.4X3.**.23	180 - 230 - 300 - 400	2,3	35



HELICOIDAL BASKETS

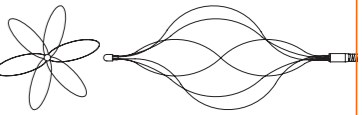
4-wire

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.4W1.**.18	120 - 180 - 230	1,8	15
BR.R.SP.4W1.**.23	180 - 230 - 300 - 400	2,3	15
BR.R.SP.4W2.**.18	120 - 180 - 230	1,8	25
BR.R.SP.4W2.**.23	180 - 230 - 300 - 400	2,3	25
BR.R.SP.4W3.**.18	120 - 180 - 230	1,8	35
BR.R.SP.4W3.**.23	180 - 230 - 300 - 400	2,3	35



6-wire

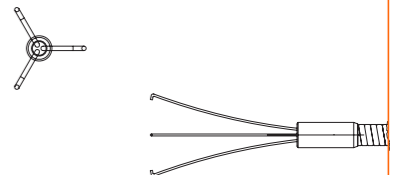
Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.6W1.**.18	120 - 180 - 230	1,8	15
BR.R.SP.6W1.**.23	180 - 230 - 300 - 400	2,3	15
BR.R.SP.6W2.**.18	120 - 180 - 230	1,8	25
BR.R.SP.6W2.**.23	180 - 230 - 300 - 400	2,3	25
BR.R.SP.6W3.**.18	120 - 180 - 230	1,8	35
BR.R.SP.6W3.**.23	180 - 230 - 300 - 400	2,3	35



GRASPERS

3-sprong with hooks

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.3H.**.18	100 - 120 - 160 - 180 - 230 - 300	1,8	16
BR.R.SP.3H.**.23	120 - 160 - 180 - 230 - 300 - 400	2,3	23
BR.R.SP.3H.**.25	120 - 160 - 180 - 230 - 300 - 400	2,5	23



3-sprong with eyelets

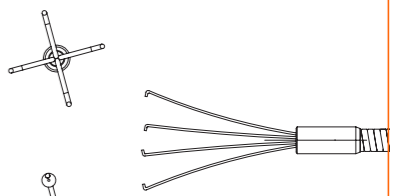
Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.3E.**.23	120 - 160 - 180 - 230 - 300 - 400	2,3	23
BR.R.SP.3E.**.25	120 - 160 - 180 - 230 - 300 - 400	2,5	23



GRASPERS

4-sprong with hooks

Order no.	Length (cm)	Diameter (mm)	Opening span (mm)
BR.R.SP.4H.**.23	120 - 160 - 180 - 230 - 300 - 400	2,3	23
BR.R.SP.4H.**.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.**.23	120 - 160 - 180 - 230 - 300 - 400	2,3	23
BR.R.SP.4E.**.25	120 - 160 - 180 - 230 - 300 - 400	2,5	23

