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 TECHNICAL DATA SHEET

# PMA Automation - BCSR - Cobot Strain Relief Ring



**Applications:**

- In automation applications to relief strain and to fixate individual cables/tubes to a conduit terminal

**Features & Benefits:**

- Fastening of individual cables/tubes to a conduit terminal via cable ties (not included)
- To be used freely rotating around conduit axis, or in “lock” mode using a BFH-0 clip (see drawing page 2)
- Fits G- and T conduit profile
- Easy to install and to exchange

**Materials:**

- High-grade, specially formulated polyamide 6

**Compatible with:**

- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits
- PMA Smart Line conduits
- PMA Clip - BFH-0 - System support
- PMA Trust - BGPM - System support

**Colour:**

- Black

**Chemical properties:**

- Please refer to [www.pma.ch](http://www.pma.ch) (Technical Information / Chemical Resistance)

**Additional information:**

- Combining the BCSR with a BFH-0, requires a BFH-0 of the next larger NW (i.e., BCSR-17 is used in combination with BFH-23-0)

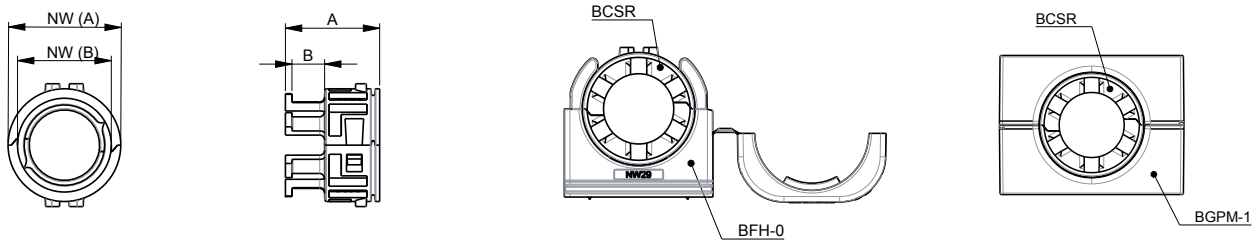
**Environmental properties:**

- Free from halogens and cadmium
- RoHS and REACH compliant

**Product selection:**

Part no.	Conduit size	Fits to BFH-0 BGPM-1x	Strain relief teeth	Dimensions in mm (nom.)		Weight	Packing unit
black	NW (B)	NW (A)	qty	A	B	kg/100 pcs	pcs/PU
BCSR-17	17	23	4	28.8	10.0	5.0	10
BCSR-23	23	29	6	28.8	10.0	6.0	10
BCSR-29	29	36	6	28.8	10.0	8.6	10

Our customer service dept. or local distribution partner will be pleased to help you concerning product availability and lead time



Mechanical Properties:	Value:	Test parameters:	Test method:
Tensile modulus	1'200 ... 3'700 N/mm <sup>2</sup>		ISO 527
Tensile strength	45 ... 65 N/mm <sup>2</sup>		ISO 527
Notched bar impact test	4 ... 20 kJ/m <sup>2</sup>		ISO 180/1C

Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperature	-50 ... +105°C		PMA DO 9.21-4510
Upper application temperature	+120°C	(20'000 h)	PMA DO 9.21-4360
Short-term	+160°C	(168 h)	PMA DO 9.21-4360

**Content of delivery:**

- 1x BCSR, Cobot Strain Relief Ring

**Assembly instructions:**

- Please consider the appropriate assembly instructions on [www.pma.ch](http://www.pma.ch)

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