

TECHNICAL DATA SHEET

PMA Automation - BGN - Half-shell inserts

PMA



Applications:

- In automation applications

Features & Benefits:

- Easy installation
- To be used in combination with tube clamp BSH
- Slide half-shells allow axial movement of the conduit to reduce stress
- Strain relief half-shells fix the conduit against axial movement but allow rotation to prevent torsion
- Half-shell reduction BGN-R56G/70 allows the use of conduit with NW56 and can be used with following products:
 - ball joint sleeve TK with strain relief insert BTR
 - ball joint termination BKE

Materials:

- High-grade, specially formulated polyamide 6

Compatible with:

- PMA Automation BSH Tube clamp
- PMAFLEX Pro Conduits
- PMAFLEX Multilayer Conduits
- PMAFLEX Conduits

Weathering resistance:

- Very good UV resistance and weathering characteristics

Colour:

- Black

Chemical properties:

- Please refer to www.pma.ch (Technical Information / Chemical Resistance)

Environmental properties:

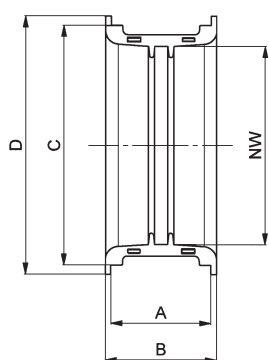
- Free from halogens and cadmium
- RoHS and REACH compliant

Product selection:

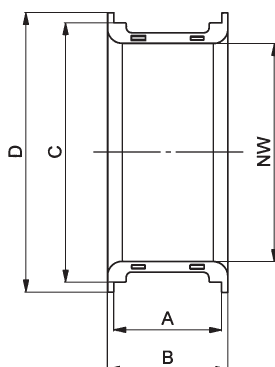
Part no.			Conduit profile	Conduit size	Dimensions in mm (nom.)				Weight	Packing unit
strain relief	slide	reduction		NW	A	B	C	D	kg/100 pcs	pcs/PU
BGN-S23T			T	23	26	34	34.5	39.5	1.3	30
BGN-S23G			G	23	26	34	34.5	39.5	1.3	30
BGN-S29GT			T + G	29	26	34	41	47	1.5	30
	BGN-R29		T + G	29	26	34	41	47	1.5	30
BGN-R36GT/48	BGN-R36/48		T + G	36	26.5	34	60	66.5	3.5	20
BGN-S36GT			T + G	36	26	34	49	55	1.9	20
	BGN-R36		T + G	36	26	34	49	55	2	20
BGN-S48T			T	48	26	34	60.5	66.5	2.3	20
BGN-S48G			G	48	26	34	60.5	66.5	2.3	20
	BGN-R48		T + G	48	26	34	60.5	66.5	2.3	20
BGN-S56G	BGN-R56		G	56	30	38	75	81	3.8	10
BGN-R56G/70			G	56	40	45	94.5	103.5	10.2	10
	BGN-R56S/70		G	56	40	45	94.5	103.5	10.2	10
	BGN-R56G/70G		G	56	27	35	76	80	10.2	10
BGN-R70G	BGN-R70		G	70	40	45	94.5	103.5	7.5	10

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

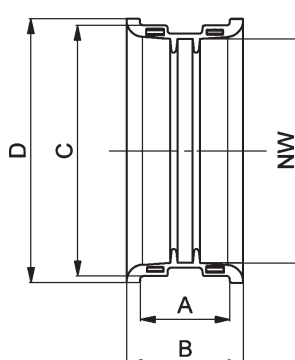
Strain relief



Slide



Reduction



Mechanical Properties:	Value:	Test parameters:	Test method:
Tensile modulus	1'200 ... 3'700 N/mm ²		ISO 527
Tensile strength	45 ... 65 N/mm ²		ISO 527
Notched bar impact test	4 ... 20 kJ/m ²		ISO 180/1C
Vibration and shock standard	Cat. 2	IEC 61373, IEC 60068-2-27 / -64	

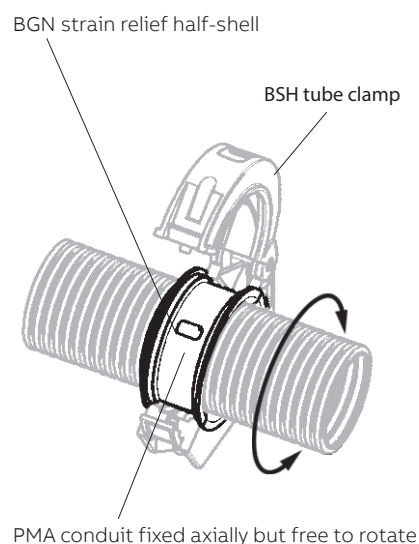
Thermal properties:	Value:	Test parameters:	Test method:
Continuous application temperature	-50 ... +105°C		PMA DO 9.21-4510
Upper application temperature	+120°C	(20'000 h)	PMA DO 9.21-4360
Short-term	+160°C	(168 h)	PMA DO 9.21-4360

Content of delivery:

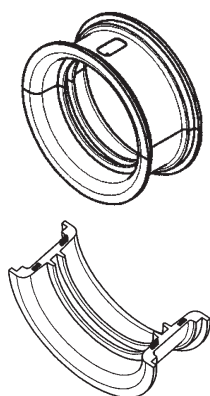
- 1 pair half-shells

Examples for combination possibilities

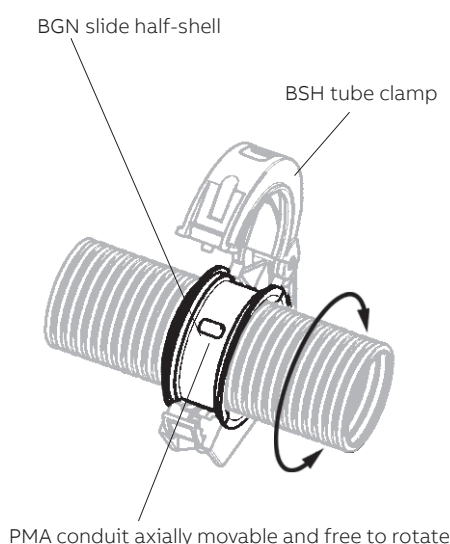
Strain relief half-shell



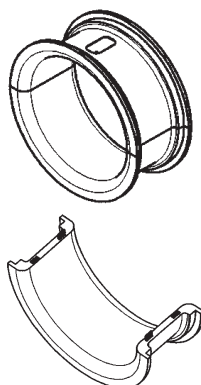
BGN-xxxG, BGN-xxxT



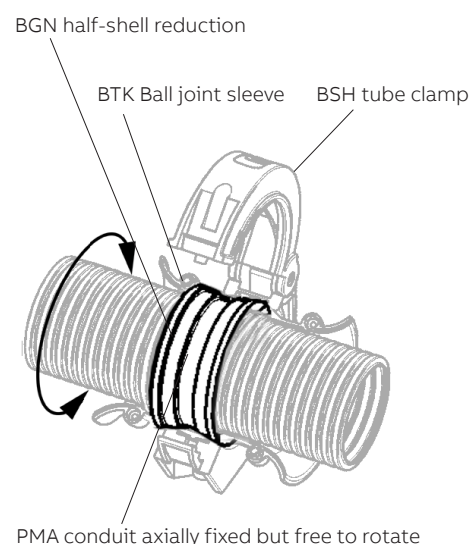
Slide half-shell



BGN-Rxx



Half-shell reduction



BGN-R56G/70G



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