

## TECHNICAL DATA SHEET

**PMA Automation - BLH - Tube clamp****PMA****Applications:**

- In automation applications for guiding or fixing PMA conduits

**Features & Benefits:**

- 2-piece tube clamp
- Specially compact construction
- To be used in combination with standard half shells BGN
- Easy installation
- Allows optimum installations in automation applications due to space saving design
- Reduces mechanical stress on the cable harness extending the lifespan of the application

**Materials:**

- High-grade, specially formulated polyamide 6

**Compatible with:**

- 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](http://www.pma.ch)  
(Technical Information / Chemical Resistance)

**Environmental properties:**

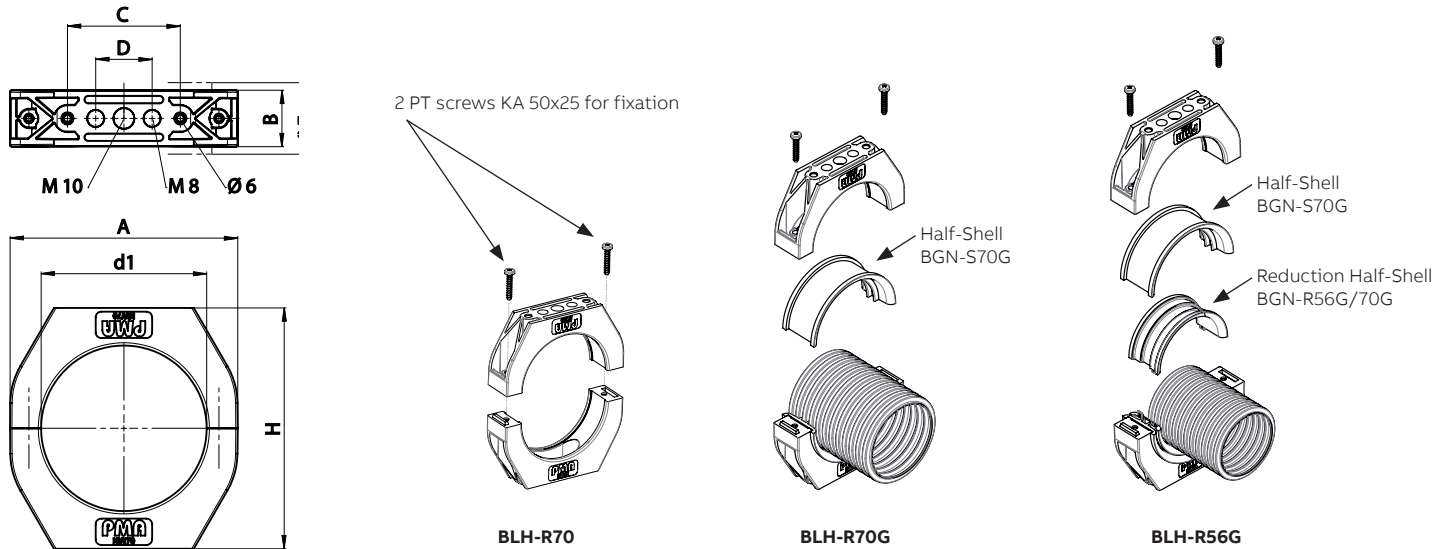
- Free from halogens and cadmium
- RoHS and REACH compliant

**Product selection:**

| Part no. | Including half-shell | Conduit size | Dimensions in mm (nom.) |     |      |      |      |      |     | Weight     | Packing unit |
|----------|----------------------|--------------|-------------------------|-----|------|------|------|------|-----|------------|--------------|
|          |                      |              | d1                      | A   | B    | C    | D    | *E   | H   |            |              |
| black    | metric               | NW           | d1                      | A   | B    | C    | D    | *E   | H   | kg/100 pcs | pcs/PU       |
| BLH-R70  |                      |              | 88.0                    | 121 | 30.0 | 60.0 | 30.0 | -    | 128 | 15.9       | 20           |
| BLH-R70G | BGN-S70G             | 70           | 80.6                    | 121 | 30.0 | 60.0 | 30.0 | 38.0 | 128 | 19.9       | 20           |
| BLH-R56G | BGN-S56G/70          | 56           | 66.6                    | 121 | 30.0 | 60.0 | 30.0 | 38.0 | 128 | 22.7       | 20           |

\* Width dimension over half-shell

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                      |
| 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:**

- Tube clamp,
- 2 PT-screw, stainless steel
- Straight pin
- For BLH-RxxG half-shells included

**Assembly instructions:**

- Possible combinations, please see above

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