Applications:
- In automation applications for fixing PMA conduits

Features & Benefits:
- Increased degree of freedom for cable packs
- Optimum solution for cable guidance in automation applications
- Reduces mechanical stress on the cable harness extending the lifespan of the application
- Easy to install and exchange
- Various combinations possible, e.g. for strain relief of cables and wires

Materials:
- High-grade, specially formulated polyamide 6

Compatible with:
- PMA Automation BSH Tube clamp
- PMA Automation BKS Grommets
- 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:

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Conduit size</th>
<th>Dimensions in mm (nom.)</th>
<th>Weight</th>
<th>Packing unit</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>B</td>
<td>D</td>
<td>PT screws</td>
</tr>
<tr>
<td>ball joint termination</td>
<td>NW</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>reduction half-shell</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BKE-R70G*</td>
<td>BGN-R56G/70G</td>
<td>56</td>
<td>126.5</td>
<td>122.0</td>
</tr>
<tr>
<td>BKE-R70G</td>
<td>70</td>
<td>126.5</td>
<td>122.0</td>
<td>KA 50x20</td>
</tr>
</tbody>
</table>

*Reduction half-shell BGN-R56G/70G required in order to use for NW56 size conduit

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

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### Mechanical Properties:

<table>
<thead>
<tr>
<th>Test parameter</th>
<th>Value:</th>
<th>Test parameters:</th>
<th>Test method:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile modulus</td>
<td>1'200 ... 3'700 N/mm²</td>
<td></td>
<td>ISO 527</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>45 ... 65 N/mm²</td>
<td></td>
<td>ISO 527</td>
</tr>
<tr>
<td>Notched bar impact test</td>
<td>4 ... 20 kJ/m²</td>
<td></td>
<td>ISO 180/1C</td>
</tr>
</tbody>
</table>

Vibration and shock standard

Cat. 2 IEC 61373, IEC 60068-2-27 / -64

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### Thermal properties:

<table>
<thead>
<tr>
<th>Test parameter</th>
<th>Value:</th>
<th>Test parameters:</th>
<th>Test method:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous application temperature</td>
<td>– 50 ... + 105 °C</td>
<td></td>
<td>PMA DO 9.21-4510</td>
</tr>
<tr>
<td>Upper application temperature</td>
<td>+ 120°C</td>
<td>(20'000 h)</td>
<td>PMA DO 9.21-4360</td>
</tr>
<tr>
<td>Short-term</td>
<td>+ 160 °C</td>
<td>(168 h)</td>
<td>PMA DO 9.21-4360</td>
</tr>
</tbody>
</table>

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### Content of delivery:

- Ball joint termination, 4 PT screws

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### Assembly instructions:

- Possible combinations, please see above

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www.pma.ch

Let’s write the future.
Together. abb.com

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