Material

- Polyurethane
- Hardness 65 - 75 Sh.
- Temperature range: -40°C to +80°C
- Short interval temperature up to +110°C
- Is resistant against oil and grease

Applications

- Buffers can be used as end stops for traverse cranes and elevators
- Can also be used as machine feet
- Below values apply to impact loads
- Because the buffer can be compressed to such an extreme extent it offers really good shock absorption
- Is less suited for isolation of dynamic forces from vibrating machines
- The maximum compression force should not be exceeded

Compressions vs load-diagrams can be viewed on pages 22 - 23

<table>
<thead>
<tr>
<th>Size Ø D (mm)</th>
<th>Item No.</th>
<th>Diameter (mm)</th>
<th>Thread</th>
<th>Compression in (mm) at F-max</th>
<th>Compression in (%) at F-max</th>
<th>End force (kN) at 75% Compression</th>
<th>Work W (kNm) at F-Max.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø D Ø d H h</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>stat. 1m/s 2m/s</td>
<td>stat. 1m/s 2m/s</td>
</tr>
<tr>
<td>80</td>
<td>PB080080</td>
<td>80  72  79</td>
<td>M12</td>
<td>circa 53</td>
<td>75%</td>
<td>19  23  30</td>
<td>0.31  0.34  0.45</td>
</tr>
<tr>
<td>100</td>
<td>PB100100</td>
<td>100  93  100</td>
<td>M12</td>
<td>circa 79</td>
<td>75%</td>
<td>39  60  76</td>
<td>0.51  0.69  0.94</td>
</tr>
<tr>
<td>125</td>
<td>PB125125</td>
<td>125  117 124</td>
<td>M12</td>
<td>circa 94</td>
<td>75%</td>
<td>58  82  109</td>
<td>0.98  1.40  1.70</td>
</tr>
<tr>
<td>160</td>
<td>PB160160</td>
<td>160  152 158</td>
<td>M12</td>
<td>circa 118</td>
<td>75%</td>
<td>85  120 150</td>
<td>1.17  2.56  2.97</td>
</tr>
<tr>
<td>200</td>
<td>PB200200</td>
<td>200  180 202</td>
<td>M12</td>
<td>circa 158</td>
<td>75%</td>
<td>149 220 270</td>
<td>4.40  6.40  7.70</td>
</tr>
</tbody>
</table>
Polyetherurethane (PUR) Buffers

Key
- black: static
- pink: 1m/s
- blue: 2m/s

Graphs showing deflection vs. load and work for different models:
- PB1000100 (End Force at 75% Compression)
- PB100100 (Work at F-Max)
- PB125125 (End Force at 75% Compression)
- PB125125 (Work at F-Max)
- PB160160 (End Force at 75% Compression)
- PB160160 (Work at F-Max)
- PB200200 (End Force at 75% Compression)
- PB200200 (Work at F-Max)