### Ball Plungers

**Stainless Steel / Roller / Load Adjustable**

**Features**
- Fine threads provide an easy adjustment of strokes.
- By tightening the nut (ball side) the inner spring is compressed, and the load can be adjusted freely.

**Ball Plungers – Stainless Steel**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Metal Ball</th>
<th>Plastic Ball</th>
<th>d</th>
<th>S</th>
<th>L</th>
<th>Load (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPRM(BPJ)</td>
<td>M2, M3, M4</td>
<td>Polyacetal</td>
<td>8</td>
<td>1</td>
<td>6</td>
<td>20.4</td>
</tr>
<tr>
<td>BPJ</td>
<td></td>
<td>Polyacetal</td>
<td>5</td>
<td>0.5</td>
<td>2</td>
<td>9.8</td>
</tr>
<tr>
<td>BPJ</td>
<td></td>
<td>Polyacetal</td>
<td>3</td>
<td>0.8</td>
<td>1.5</td>
<td>4.9</td>
</tr>
</tbody>
</table>

**Ball Plungers – Roller**

**Features**
- Moving the front (ball side) nut back and forth enables users to change the load freely to the desired hardness.

**Ball Plungers – Adjustable Load**

<table>
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<tr>
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<th>Metal Ball</th>
<th>Plastic Ball</th>
<th>d</th>
<th>S</th>
<th>L</th>
<th>Load (N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BPK</td>
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</tbody>
</table>

**Ball Plungers – Plastic Resin**

**Features**
- Front ball nut is tightened approx. X=C – C mm at shipping.

**Ball Plungers – Fine Thread**

**Features**
- No need for a screwdriver on the tip. The rear hex socket is provided for load adjustments and can not be used to tighten the unit. Only the straight slit is used for tightening.

**Ball Plungers – Short**

**Features**
- Plungers can be installed only by using an allen wrench.

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### Plastic Resin / Thread / Short

**Ball Plungers**

**Features**
- Add sub balls to the plunger for the most current pricing and lead time.

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### For the most current pricing and lead time.

Check out misumiusa.com for the most current pricing and lead time.