**TD100 SERIES**

**FEATURES**
- RoHS compliance
- Outer dimension Φ16 with Max. Torque 3.0N･m.
- Excellent Chemical resistance

**<Standard Components>**

<table>
<thead>
<tr>
<th>Part name</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>PBT</td>
</tr>
<tr>
<td>Shaft</td>
<td>ZDC</td>
</tr>
<tr>
<td>Cap</td>
<td>PBT</td>
</tr>
</tbody>
</table>

**DURABILITY**

Each damper is set-up with an applied torque and weight on the shaft of the testing device. Measurements for closing time are taken under above condition.

**TEMPERATURE CHARACTERISTICS**

After the damper is stabilized at room temperature for 1 hour or more. The closing time is measured using a TOK made device.

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**Operation angle**

110°

| Durability | 70,000 cycles |

<table>
<thead>
<tr>
<th>Applied torque</th>
<th>Initial value</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0N･m(10kgf･cm)</td>
<td>3~12 (sec)</td>
</tr>
<tr>
<td>1.5N･m(15kgf･cm)</td>
<td>3~12 (sec)</td>
</tr>
<tr>
<td>2.0N･m(20kgf･cm)</td>
<td>3~12 (sec)</td>
</tr>
<tr>
<td>2.5N･m(25kgf･cm)</td>
<td>3~12 (sec)</td>
</tr>
<tr>
<td>3.0N･m(30kgf･cm)</td>
<td>3~12 (sec)</td>
</tr>
</tbody>
</table>

**TEST CONDITION**

1. Setting up time: 20 sec/cycle
2. Applied torque:
   - 1.0N･m(10kgf･cm)
   - 1.5N･m(15kgf･cm)
   - 2.0N･m(20kgf･cm)
   - 2.5N･m(25kgf･cm)
   - 3.0N･m(30kgf･cm)
3. Temperature: 23°C±2°C
4. Angle for measuring the closing time: 70° → 0°
5. Radial force: nothing
6. Closing time after durability test: 1 sec. or more

*Before assembly or use of any bearing, please read "Caution for Use"*

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Product specification are subject to change without prior notice.