Planetary Gearheads

10 Nm

For combination with
DC-Micromotors
Brushless DC-Motors

Series 38/2 S

<table>
<thead>
<tr>
<th>Housing material</th>
<th>metal</th>
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<tbody>
<tr>
<td>Geartrain material</td>
<td>steel</td>
</tr>
</tbody>
</table>

Recommended max. input speed for:
- continuous operation 4 000 min⁻¹
- no-load ≤ 1 °

Bearings on output shaft: ball bearings, preloaded

Shaft load, max.:
- radial (10 mm from mounting face) ≤ 300 N
- axial ≤ 350 N

Shaft play:
- radial (10 mm from mounting face) ≤ 0,03 mm
- axial ≤ 0,15 mm

Operating temperature range: - 20 ... + 125 °C

Technical data

<table>
<thead>
<tr>
<th>Number of gear stages</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous torque Nm</td>
<td>10</td>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Intermittent torque Nm</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>Mass without motor, ca.</td>
<td>195</td>
<td>245</td>
<td>296</td>
<td>348</td>
</tr>
<tr>
<td>Efficiency, max. %</td>
<td>80</td>
<td>70</td>
<td>60</td>
<td>55</td>
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</table>

Reduction ratio (rounded):

1) The reduction ratios are rounded, the exact values are available on request or at www.faulhaber.com.

L2 [mm] = length without motor:

2) L2 - 0,8 mm, in combination with 3242G...CR, 3257G...CR, 3272G...CR, 3242G...BX4, 3268G...BX4, 3274G...BP4 and 4221G...BXT R/H.
L2 - 5 mm, in combination with 3863A...CR and 3890A...CR.

L1 [mm] = length with motor:

Note: The gearheads as S-type have all steel gears and heavy duty lubricant for extended lifetime performance.