Steel Ring Gears (Spur Gears)

Specifications

- Precision grade: JIS grade N9 (JIS B1702-1:1996)
- Gear teeth: Standard full depth
- Pressure angle: 20°
- Material: S45C
- Heat Treatment: —
- Tooth hardness: (less than 194HB)

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Module</th>
<th>No. of teeth</th>
<th>Bore A</th>
<th>Pitch dia. C</th>
<th>Outside dia. D</th>
<th>Face width E</th>
<th>Allowable torque (N·m)</th>
<th>Allowable torque (kgf·m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SSR2-120</td>
<td>m2</td>
<td>120</td>
<td>194</td>
<td>240</td>
<td>244</td>
<td>20</td>
<td>366</td>
<td>44.0</td>
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<tr>
<td>SSR2-200</td>
<td></td>
<td>200</td>
<td>354</td>
<td>400</td>
<td>404</td>
<td></td>
<td>630</td>
<td>84.2</td>
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<tr>
<td>SSR2.5-120</td>
<td>m2.5</td>
<td>120</td>
<td>245</td>
<td>300</td>
<td>305</td>
<td>25</td>
<td>715</td>
<td>88.5</td>
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<td>1680</td>
<td>226</td>
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</tbody>
</table>

[Caution on Product Characteristics]

1. The allowable torques shown in the table are calculated values according to the assumed usage conditions. Please see Page 24 for more details.
2. The backlash values shown in the table are the theoretical values for the normal direction for the internal ring in mesh with a 30 tooth SS spur gear.
3. The bore tolerance is finished to H8, but there may be some errors as the ring shape deforms easily.

[Caution on Secondary Operations]

1. Please read “Cautions on Performing Secondary Operations” (Page 26) when performing modifications and/or secondary operations for safety concerns.
2. KHK Quick-Mod Gears, the KHK system for quick modification of KHK stock gears, is also available.
3. Avoid performing secondary operations that narrow the tooth width, as it affects precision and strength.

Backlash (mm) | Weight (kg) | Catalog Number
--- | --- | ---
0.17~0.37 | 2.46 | SSR2-120
0.20~0.41 | 4.28 | SSR2-200
0.19~0.41 | 4.62 | SSR2.5-120
0.22~0.46 | 8.01 | SSR2.5-200
0.22~0.45 | 7.77 | SSR3-120
0.22~0.45 | 10.6 | SSR3-160