Stainless Steel Screw Gears

Module 1

SUN Stainless Steel Screw Gears

**Stainless Steel Screw Gears**

- Normal pressure angle: 45°
- Helix angle: Spur, Spur
- Bore Hub dia. Pitch dia. Outside dia. Face width Hub width Total length

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Module</th>
<th>No. of teeth</th>
<th>Module of hole</th>
<th>Shape</th>
<th>Bore</th>
<th>Hub</th>
<th>Pitch</th>
<th>Outside</th>
<th>Face width</th>
<th>Hub width</th>
<th>Total length</th>
</tr>
</thead>
<tbody>
<tr>
<td>SUN1-13R</td>
<td>m1</td>
<td>13</td>
<td>R</td>
<td>L</td>
<td>S1</td>
<td>15</td>
<td>18.38</td>
<td>20.38</td>
<td>10</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>SUN1-13L</td>
<td>m1</td>
<td>13</td>
<td>R</td>
<td>L</td>
<td>S1</td>
<td>15</td>
<td>18.38</td>
<td>20.38</td>
<td>10</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>SUN1-15R</td>
<td>m1.5</td>
<td>10</td>
<td>R</td>
<td>L</td>
<td>S1</td>
<td>16</td>
<td>21.21</td>
<td>24.21</td>
<td>15</td>
<td>10</td>
<td>25</td>
</tr>
<tr>
<td>SUN1-15L</td>
<td>m1.5</td>
<td>15</td>
<td>R</td>
<td>L</td>
<td>S1</td>
<td>10</td>
<td>23</td>
<td>27.58</td>
<td>30.58</td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td>SUN1.5-10R</td>
<td>m2</td>
<td>15</td>
<td>R</td>
<td>L</td>
<td>S1</td>
<td>10</td>
<td>25</td>
<td>31.82</td>
<td>34.82</td>
<td>15</td>
<td>10</td>
</tr>
<tr>
<td>SUN1.5-15L</td>
<td>m2</td>
<td>15</td>
<td>R</td>
<td>L</td>
<td>S1</td>
<td>10</td>
<td>25</td>
<td>31.82</td>
<td>34.82</td>
<td>15</td>
<td>10</td>
</tr>
</tbody>
</table>

**Table Notes/Diagram**

1. The allowable torques shown in the table are the calculated values according to the assumed usage conditions. Please see Page 327 for more details.
2. The backlash values shown in the table are the theoretical values for the backlash in the normal direction of a pair of identical gears in mesh.
3. For offset shaft applications, mesh opposite hands (RH and LH) to make a set of screw gears. For parallel shaft applications, mesh opposite hands (RH and LH) of helical gear sets. See Page 325 for more details.
4. If the bore diameter is less than 4, then the bore tolerance class is H8. If the bore diameter is 5 or 6, and the hole length (total length) exceeds 3 times the diameter, then the class is also H8.

**For products not categorized in our KHK Stock Gear series, custom gear production services with short lead times is available. For details see Page 8.**

---

**GCU-N Screw Gear Kit**

Installations: Nonparallel and nonintersecting gears

- Gear Type: Screw Gears
- Gears: SUN1-10R, SUN1-15R, SUN1.5-10R, SUN1.5-15R
- Gear Ratio: 1
- Weight: Approx. 1kg

Screw Gears are helical gears used in nonparallel and nonintersecting situations. Applications include devices like conveyors with light loads.