### Stainless Steel Worms

**Module 0.5, 0.8**

**Specifications**

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Normal module</th>
<th>Number of starts</th>
<th>Lead angle</th>
<th>Gear teeth</th>
<th>Threads</th>
<th>Outside dia.</th>
<th>Thrust load</th>
</tr>
</thead>
<tbody>
<tr>
<td>DG0.5-20R1</td>
<td>20</td>
<td>2</td>
<td>3°17'</td>
<td>10</td>
<td>0.17</td>
<td>4.0</td>
<td>0.21</td>
</tr>
<tr>
<td>DG0.5-20R2</td>
<td>20</td>
<td>2</td>
<td>3°17'</td>
<td>10</td>
<td>0.17</td>
<td>4.0</td>
<td>0.21</td>
</tr>
<tr>
<td>DG0.5-30R1</td>
<td>30</td>
<td>2</td>
<td>3°17'</td>
<td>18</td>
<td>0.24</td>
<td>6.3</td>
<td>0.31</td>
</tr>
<tr>
<td>DG0.5-30R2</td>
<td>30</td>
<td>2</td>
<td>3°17'</td>
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<tr>
<td>DG0.5-40R1</td>
<td>40</td>
<td>2</td>
<td>3°17'</td>
<td>23</td>
<td>0.34</td>
<td>9.6</td>
<td>0.44</td>
</tr>
<tr>
<td>DG0.5-40R2</td>
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<td>0.34</td>
<td>9.6</td>
<td>0.44</td>
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**Materials**

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<thead>
<tr>
<th>Material</th>
<th>Polyacetal</th>
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</tr>
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<tbody>
<tr>
<td></td>
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**Notes**

1. Worm Wheels are profile shifted to create the proper center distance.
2. The allowable torques shown in the table are the calculated values according to the assumed usage conditions. Please see Page 342 for more details.
3. Since the bore is finished with a minus tolerance, you can use a shaft with a force fit.

---

### Plastic Worm Wheels

**Module 0.5, 0.8**

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### Stainless Steel Worms

#### Module 1.5

![Stainless Steel Worms](image)

**Precision grade**

KHK W001 grade 4 +

**Material**

Steel

**Module**

1.5

**Gear teeth**

32

**Normal pressure angle**

20°

**Spur Gears**

**Gear Pair**

SUS303

---

### Plastic Worm Wheels

#### Module 1.5

![Plastic Worm Wheels](image)

**Precision grade**

KHK W001 grade 5 +

**Material**

Nylon

**Module**

1.5

**Normal pressure angle**

20°

**Spur Gears**

**Gear Pair**

MC901

---

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG1-20R1</td>
<td>10 20 1 3°35' 3°35' 3°35' 3°35' 3°35'</td>
</tr>
<tr>
<td>PG1-20R2</td>
<td>10 20 2 7°11' 7°11' 7°11' 7°11' 7°11'</td>
</tr>
<tr>
<td>PG1-30R1</td>
<td>30 10 3°35' 3°35' 3°35' 3°35' 3°35'</td>
</tr>
<tr>
<td>PG1-40R1</td>
<td>40 10 3°35' 3°35' 3°35' 3°35' 3°35'</td>
</tr>
<tr>
<td>PG1-50R1</td>
<td>50 10 3°35' 3°35' 3°35' 3°35' 3°35'</td>
</tr>
<tr>
<td>PG1-60R1</td>
<td>60 10 3°35' 3°35' 3°35' 3°35' 3°35'</td>
</tr>
</tbody>
</table>

---

To order J Series products, please specify:

Catalog No. + J + BORE

---

*In regards to MC Nylon gears, other materials are available for plastic gears, including Ultra High Molecular Weight Polyethylene (UHMW-PE), which has excellent abrasion resistance. Polyether Ether Ketone (PEEK) also has quality properties. A single piece order is acceptable and will be produced as a custom-made gear. For details on quotations and orders please see Page 8.*
### Stainless Steel Worms

**Module 2, 2.5, 3**

**Specifications**

<table>
<thead>
<tr>
<th>Material</th>
<th>Stainless Steel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heat treatment</td>
<td>Austenitized and quenched</td>
</tr>
<tr>
<td>Tolerance class</td>
<td>6H</td>
</tr>
<tr>
<td>Limit dimensions</td>
<td>±0.001</td>
</tr>
</tbody>
</table>

**Normal plane**

- **Material**: SUS303
- **Heat treatment**: Austenitized and quenched
- **Tolerance class**: 6H
- **Limit dimensions**: ±0.001

**Series**

- **SUW**: Stainless Steel Worms
- **PG**: Plastic Worm Wheels

### Stainless Steel Worms

**Module 2, 2.5, 3**

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**Normal plane**

- **Material**: Stainless Steel
- **Heat treatment**: Austenitized and quenched
- **Tolerance class**: 6H
- **Limit dimensions**: ±0.001

### To order J Series products, please specify: Catalog No. + J + BORE

<table>
<thead>
<tr>
<th>Screw size</th>
<th>4 x 1.8</th>
<th>5 x 2.3</th>
<th>6 x 2.8</th>
<th>8 x 3.3</th>
</tr>
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<tbody>
<tr>
<td>Catalog No.</td>
<td>M4</td>
<td>M5</td>
<td>M6</td>
<td>M7</td>
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</tbody>
</table>

**Catalog No.**

- **SUW-R1**: BORE
- **SUW-R2**: BORE
- **SUW-R3**: BORE

**Catalog Notes**

- **Caution on J series**: As available-on-request products, requires a lead time for shipping within 2 working days (excluding the day ordered), after placing an order. Please allow additional shipping time to get to your local distributor.
- **Number of pieces we can process for one order**: 1 to 20 units. For quantities of 21 or more pieces, we need to quote price and lead time.
- **Keyways are made according to JIS B 1301 standards, ±0.01mm tolerance.**
- **For products having a tapped hole, a set screw is included.**

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- **SUW-R1**: BORE
- **SUW-R2**: BORE
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**Catalog Notes**

- **Caution on Secondary Operations**: Please read “Caution on Performing Secondary Operations” (Page 344) when performing modifications and/or secondary operations for safety concerns. KHR Quick-Mod Gear, the KHR’s system for quick modification of KHR stock gear is also available.
- **Plastic gears are susceptible to the effects of temperature and moisture. Dimensional changes may occur while performing secondary operations and during post-machining operations.**

### Plastic Worm Wheels

**Module 2, 2.5, 3**

**Specifications**

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<tr>
<th>Material</th>
<th>Polyacetal (PA66)</th>
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<tr>
<td>Color</td>
<td>Natural</td>
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**Normal plane**

- **Material**: Polyacetal (PA66)
- **Color**: Natural

**Series**

- **SUW**: Stainless Steel Worms
- **PG**: Plastic Worm Wheels

### Plastic Worm Wheels

**Module 2, 2.5, 3**

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### Other Products

- **Gearboxes**
- **Motor Gearboxes**
- **Helical Gearboxes**
- **Screw Gearboxes**
- **Sprockets & Pinions**
- **Bevel Gearboxes**
- **Mounting Gearboxes**
- **Chains & Sprockets**
- **Axials**
- **Other Axials**
- **Flange Gearboxes**
- **Standard pinions**

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