Plastic Miter Gears

### Plastic Miter Gears

In regard to MC Nylon gears, other materials are available for plastic gears, including Ultra High Molecular Weight Polyethylene (U-PE), which has excellent abrasion resistance and resin conforming to the Plastic Implementation Measure (PIM).

A single piece order is acceptable and will be produced as a custom-made gear. Please see Page 24 for more details on quotations and orders.

### Injection Molded Miter Gears

When using the injection molded bevel gear with an idler gear (bearing metal press fitting) and diameter smaller than the inside diameter of the molded gear, please fit the following standard bushing.

For details on bushings, please see Page 330.

### Injection Molded Miter Gears

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Gear Ratio</th>
<th>Module</th>
<th>No. of teeth</th>
<th>Shape</th>
<th>Size</th>
<th>Face width</th>
<th>Height</th>
<th>Allowable torque (N·m)</th>
<th>Allowable torque (kgf·cm)</th>
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<td>12</td>
<td>32.12</td>
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<td>3.21</td>
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</tbody>
</table>

* Contact us on the website

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### Groove Dimensions

- **J92 B 1704:1994 grade 6, tolerances in mm.**
- **Material: Duracon (M694-69).**
- **Outside dia.: 75 ± 0.1 mm.**

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* Specifications:

- **Modulus:
  - M1: 1704
  - M2: 1705
  - M2.25: 1706
  - M2.5: 1707
  - M3: 1708
  - M3.5: 1709
  - M4: 1710

- **Material:
  - Gear: Duracon
  - Hardness: 30°

- **Other Products:
  - Gearboxes
  - Worm Gearboxes
  - Spur Gearboxes
  - Helical Gearboxes
  - Bevel Gearboxes
  - Screw Gearboxes
  - Internal Gearboxes
  - Pinion Gearboxes
  - Helical Bevel Gearboxes
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* Catalog Number | Gear Ratio | Module | No. of teeth | Shape | Size | Face width | Height | Backlash (mm) | Weight (g) |
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