Dodge® Gear Couplings

The most Power-Dense Coupling Dodge Offers
Engineered for improved operation, the Dodge gear coupling is manufactured with high-quality forged steel for longer service life, and features a high torque rating for efficient downsizing.

Versatile Design
The Dodge Gear coupling’s versatile, modular system design is half-for-half interchangeable with competitive AGMA gear couplings.

Largest Bore Capacity in Industry
In most sizes, the Dodge Gear coupling also offers the largest bore capacity in the industry. It’s well suited for reversing applications and can be combined with any Dodge speed reducer to achieve a tailored package for maximum results.

Custom Capabilities:
The Dodge gear coupling product line has catalogued sizes up to AGMA size 7.0, however, manufacturing capabilities also allow for custom designs including:
1) Large sizes up to size 30.0
2) Shrouded bolt
3) Gear spacer couplings
4) Floating shaft designs
5) Limited end float (LEF)
6) Slide gear
7) Shear pin
8) Electrically insulated
9) Metal labyrinth seals
10) Made-to-order (MTO) custom designs

Gear Coupling Standard and Metric Ratings*

<table>
<thead>
<tr>
<th>Style</th>
<th>Size Range</th>
<th>Max Torque</th>
<th>Power per 100 RPM</th>
<th>Max Speed</th>
<th>Max Bore</th>
<th>Misalignment Capability (Angular)</th>
<th>Misalignment Capability (Parallel)</th>
<th>Misalignment Capability (End-Float)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gear (Standard)</td>
<td>1.0 - 7.0</td>
<td>1,008,400</td>
<td>113,900</td>
<td>1600</td>
<td>1193</td>
<td>6,000/9,000**</td>
<td>9.50</td>
<td>255</td>
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<tr>
<td>Gear (Made-To-Order)</td>
<td>8.0 – 30.0</td>
<td>47,269,000</td>
<td>5,340,000</td>
<td>75000</td>
<td>55916</td>
<td>1,900/2,850**</td>
<td>42.00</td>
<td>480</td>
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</table>

* Listed values represent the range of the entire product line. Ratings listed are the maximum ratings for the largest coupling size. See Dodge engineering catalog and appropriate selection methods during sizing or contact application engineering for assistance.

**Balanced
## Size-for-size Competitive Interchangeability

<table>
<thead>
<tr>
<th>Dodge Gear Coupling</th>
<th>Falk Lifelign G20 Series</th>
<th>Kop-Flex H Series</th>
<th>Amerigear F Series</th>
<th>Lovejoy/Sier-Bath</th>
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<tbody>
<tr>
<td>1</td>
<td>1010</td>
<td>1H</td>
<td>201</td>
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<tr>
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<td>1015</td>
<td>1 1/2 H</td>
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<td>7H</td>
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</table>

Note: Check with Dodge Engineering on specific application questions.

### Key Features

- **Reliable O-ring design** effectively seals against contaminants.
- **Flexible and rigid hub styles available**.
- **High-pressure angle** provides large tooth base; results in high safety factor.
- **High-quality carbon steel** ensures longer service life.
- **Accessory kit** includes:
  - High grade features
  - Gasket for effective sealing