

GEAR COUPLINGS

PT COMPONENTS

DODGE® GEAR COUPLINGS - THE POWER-DENSE, HIGH-TORQUE COUPLING

The DODGE® Gear Coupling offers unmatched performance and proven reliability.

QUALITY MANUFACTURING

- High-quality steel
- Larger tooth profile provides additional service factor
- Good inherent balance
- Proven O-ring seal design
- Machined flanges and gasket for improved sealing
- High-grade fasteners

PERFORMANCE BENEFITS

- High torque rating allows for coupling downsizing
- Versatile design permits interchangeable half couplings
- Low backlash (well suited for reversing applications)
- Crowned tooth profile for longer life and improved performance

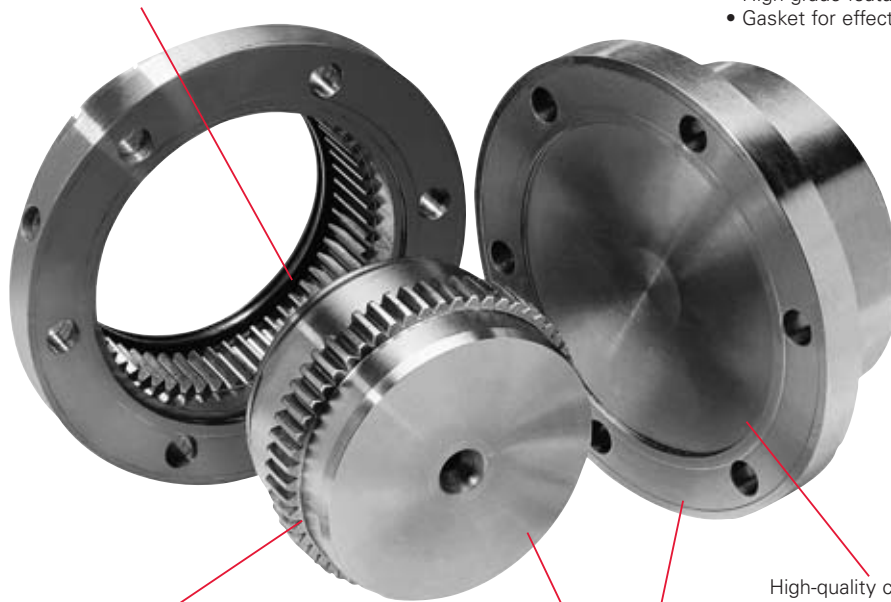


DODGE® BENEFITS

- Coupling solutions for any application. Choose from DODGE® coupling family: Gear (DGF), PARA-FLEX®, GRID-LIGN®, D-FLEX, Rigid, and Fluid - all available from stock.
- Combine DODGE® couplings with any DODGE® speed reducer for unmatched performance. Choose from thousands of combinations to get a package tailored to meet your needs.
- Years of application expertise - DODGE engineers can help specify products to achieve maximum results from your equipment.

Reliable O-ring design effectively seals against contaminants

Accessory kit
• High grade features
• Gasket for effective sealing



High-pressure angle provides large tooth base; results in high safety factor

Flexible and rigid hub styles available









High-quality carbon steel ensures longer service life

SIZE-FOR-SIZE COMPETITIVE INTERCHANGEABILITY

















































DODGE Gear Coupling	Falk G20 Series	Kop-Flex KoppersH Series	Amerigear ZurnF Series	Lovejoy/Sier-Bath
1	1010	1H	201	-
1.5	1015	1 1/2 H	201 1/2	1.5
2	1020	2H	202	2
2.5	1025	2 1/2 H	202 1/2	2.5
3	1030	3H	203	3
3.5	1035	3 1/2 H	203 1/2	3.5
4	1040	4H	204	4
4.5	1045	4 1/2 H	204 1/2	4.5
5	1050	5H	205	5
5.5	1055	5 1/2 H	205 1/2	5.5
6	1060	6H	206	6
7	1070	7H	207	-

Note: Check with Dodge Engineering on specific application questions.

DODGE COUPLINGS CAPABILITIES

Coupling	 PARA-FLEX Finished Bore	 PARA-FLEX TAPER-LOCK®	 D-FLEX Couplings	 GRID-LIGN Couplings	 Chain Couplings	 Gear Couplings	 
							Best Worst

Selection Criteria

Misalignment							Better alignment provides longer life and lowers the reaction forces imposed on bearings. In all situations, misalignment should be minimized as much as possible.
Temperature Range							Rubber seals and elastomeric elements are generally the most heat limited coupling component. Also, most nonsynthetic lubricants should not be used much above 220°F.
Torque-Bore Capability							This relationship describes torque and bore capabilities relative to the physical size of the coupling. This consideration may be important if the coupling must operate in a limited space.
Speed Capability							As the diameter of a coupling increases, its speed capability decreases due to centrifugal forces exerted on materials. Further, couplings with all-machined parts can operate at higher speeds.
Torsionally Soft							Generally allows application wind-up to cushion shock loads and vibration. "Soft" coupling helps protect motor and reducer from shock loads in the driven equipment.
Installation Cost							Based on frequency and difficulty of routine parts or coupling replacement, lubrication, or other scheduled maintenance.
Ease of Maintenance							Based on frequency and difficulty of routine parts or coupling replacement, lubrication, or other scheduled maintenance.
Repair Cost							Based on cost and difficulty of replacement of a failing or failed coupling.



World Headquarters

P.O. Box 2400, Fort Smith, AR 72902-2400 U.S.A., Ph: (1) 479.646.4711, Fax (1) 479.648.5792, International Fax (1) 479.648.5895

Baldor - Dodge

6040 Ponders Court, Greenville, SC 29615-4617 U.S.A., Ph: (1) 864.297.4800, Fax: (1) 864.281.2433

www.baldor.com