



Catalog

# Couplings

**DODGE**

# The Dodge® coupling family

Uniquely engineered to damp vibration, accommodate shaft misalignment, and eliminate unexpected downtime.

Dodge has manufactured couplings for over 100 years, earning a reputation for developing innovative products that lower customers' total cost of ownership.

The Dodge coupling product line can offer a solution to almost any customer need. Whether the need is an elastomeric or metallic design, Dodge can provide a coupling with the potential to increase torque capacity, accommodate shaft misalignment, extend life, and put an end to unexpected downtime.

Combining Dodge coupling products with the overall ABB, Baldor®, and Dodge product lines, customers can order complete system packages containing a variety of designs, sizes, and options. The large product offering allows pump, conveyor, and fan users to have a drive, motor, coupling, gearbox, bearings, and conveyor pulley from the same manufacturer. This ability to provide a single source system design with the product breadth and depth of Dodge is an advantage shared with no other manufacturer in the marketplace.



# Elastomeric, sleeve style

## Dodge® D-Flex couplings

### Three-way flexing action handles shock, vibration, and misalignment

The Dodge D-Flex coupling features molded, non-lubricated, interchangeable elastomeric sleeves of EPDM, Neoprene, or Hytrel. Its three-way flexing action accommodates torsional, angular, and parallel misalignment, as well as axial misalignment.

### Type S coupling

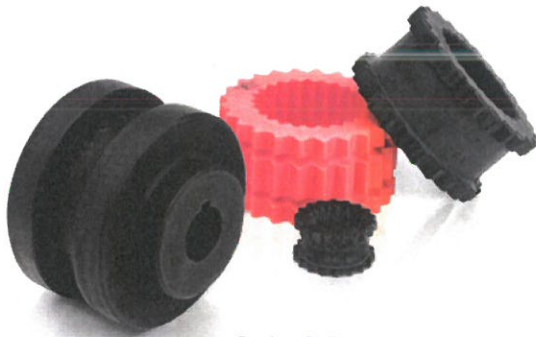
The Type S coupling features high strength cast-iron flanges, that are bored to size for a clearance fit, and balanced to AGMA Class 9 Standards, resulting in smooth operation for pumping applications. With one setscrew over the keyway and the other at 65°, D-Flex S flanges provide optimum shaft attachment. Type S couplings are offered with EPDM, Neoprene, or Hytrel sleeves.

### Type SC coupling

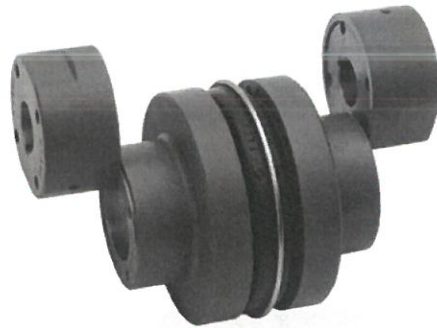
Dynamically balanced to AGMA Class 9 Standards, the Type SC spacer coupling accommodates a wide range of ANSI and ISO between shaft end distances. It features a drop-out center assembly for easy equipment maintenance. Additionally, shaft hubs include hub flats for ease of alignment during installation, and are available in either rough stock bore or clearance fit finished bore.

### Pump drive package

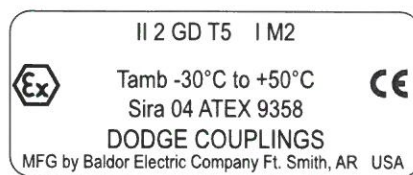
The Dodge D-Flex coupling is very popular in pumping applications due to the five-piece spacer design's ease of installation and change out. ABB, Baldor® Electric, and Dodge can package together the controls, drives, motors, and couplings needed for common pumping applications.



Dodge D-Flex Type S coupling



Dodge D-Flex Type SC spacer coupling



EPDM and Neoprene D-Flex elements are ATEX certified.

### Dodge D-Flex coupling metric and imperial ratings\*

Coupling style	Size range	Max. torque*		Power per 100 RPM*		Max. speed*	Max. bore*		Misalignment capability (angular)	Misalignment capability (parallel)		Misalignment capability (end-float)	
		N-m	In-lbs	kW / 100	HP / 100		mm	Inch		mm	Inch	mm	Inch
Close-Coupled, EPDM or Neoprene Sleeve	5S - 16S	5,338	47,250	55	74	7,600	140	6	1°	0.25 - 1.57	0.01 - 0.06	0.76 - 3.18	0.03 - 0.13
Close-Coupled, Hytrel Sleeve	6S - 14S	8,189	72,480	85	115	6,000	127	5	0.25°	0.25 - 0.89	0.01 - 0.04	1.52 - 3.18	0.06 - 0.13
Spacer, EPDM or Neoprene Sleeve	5SC - 14SC	5,338	47,250	55	74	7,600	86	3.88	1°	0.25 - 1.57	0.01 - 0.06	0.76 - 3.18	0.03 - 0.13
Spacer, Hytrel Sleeve	6SC - 14SC	8,189	72,480	85	115	6,000	86	3.88	0.25°	0.25 - 0.89	0.01 - 0.04	1.52 - 3.18	0.06 - 0.13

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