TORQUE-ARM II®

GEARING

DODGE TORQUE-ARM II®

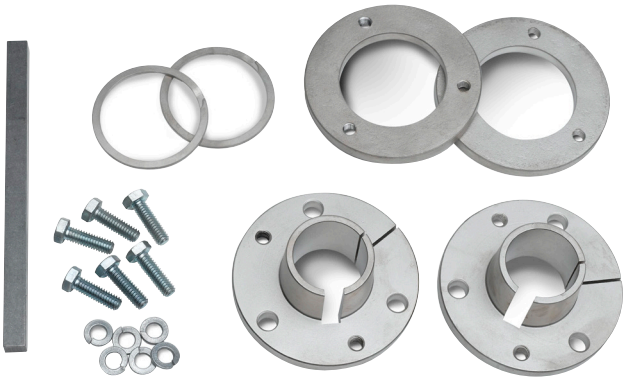
ALL NEW Heavy Duty Shaft Mounted Speed Reducers with Twin Tapered bushing mounting to the driven shaft. NOW available with an Optional TDNC Harsh Duty Bushing coating system.

Dodge Twin Taper Bushing System

Exclusive twin tapered bushings provide sturdy, concentric grip of the driven shaft on both sides of the reducer. This eliminates the wobble and fretting corrosion normally associated with single bushed shaft mounted reducers. These bushings are made of ductile iron for shock resistance and fully split to completely grip the driven shaft. As the bushing screws are tightened, the bushing is drawn inward and wedged evenly and firmly against the shaft. To remove, simply remove the mounting screws, insert them in the threaded holes in the bushing flange, and turn them against the backing plate. They will act as jacking screws and pull the bushing right out. No puller is required, the reducer simply slides off.

Dodge TDNC Twin Taper Bushing System for Harsh Duty Applications

- Thin Dense Nickel Composite coated for maximum corrosion resistance with minimum cost adder
- TDNC bushings, backing plates, & snap rings
- Corrosion resistant bolts and lock washers
- TA II has the highest average HP ratings per case size in its class
- Meets or Exceeds AGMA Standards
- 36 / 18 month warranty
- Optional premium harsh duty accessories can significantly help extend the service life of the reducer



With 60 years of proven dependability and more than 1.8 million units in service throughout the world, DODGE TORQUE-ARM speed reducers are the standard of the industry.

DODGE TORQUE-ARM II PRODUCT LINE

Taper Bushed Reducer	Maximum Bore with Standard Bushing"	AGMA Code	Taper Bushing available	Short Shaft Bushing available	TDNC Bushing Kit Available	V-ring Seal Kit Part Numbers	Backstop available
TA0107L	1 7/16"	107	YES	YES	YES	900249	YES
TA1107H	1 1/2"	107	YES	YES	YES	901249	YES
TA2115H	2 3/16"	115	YES	YES	YES	902249	YES
TA3203H	2 3/8"	203	YES	YES	YES	903249	YES
TA4207H	2 11/16"	207	YES	YES	YES	904249	YES
TA5215H	3 3/16"	215	YES	YES	YES	905249	YES
TA6307H	3 7/16"	307	YES	YES	YES	906249	YES
TA7315H	4 7/16"	315	YES	YES	YES	907249	YES
TA8407H	4 7/16"	407	YES	YES	YES	907249	YES
TA9415H	4 15/16"	415	YES	YES	YES	909249	YES
TA10507H	6"	507	YES	YES	YES	910249	YES
TA12608H	7"	608	YES	YES	YES	912249	YES

BALDOR®

DODGE TORQUE-ARM II®

ALL NEW Heavy Duty Shaft Mounted Speed Reducers with HNBR sealing system and Harsh Duty V-Ring option

Improved Sealing Features

- New advanced Heavy Duty sealing system improves sealing performance with less lip pressure and a wider contact pattern than conventional lip seals
- Bi-rotational, hydrodynamic radial lip design
- Smooth molded lip
- Hydrodynamic action provides better lip lubrication and greatly reduces shaft wear
- Pumps lubricant in, seals out contaminants
- Coated seal OD to maintain tight fit in reducer
- Secondary Excluder Seal with Contact Lip
- Hydrogenated Nitrile Butadiene Rubber-HNBR

Improved Sealing Benefits

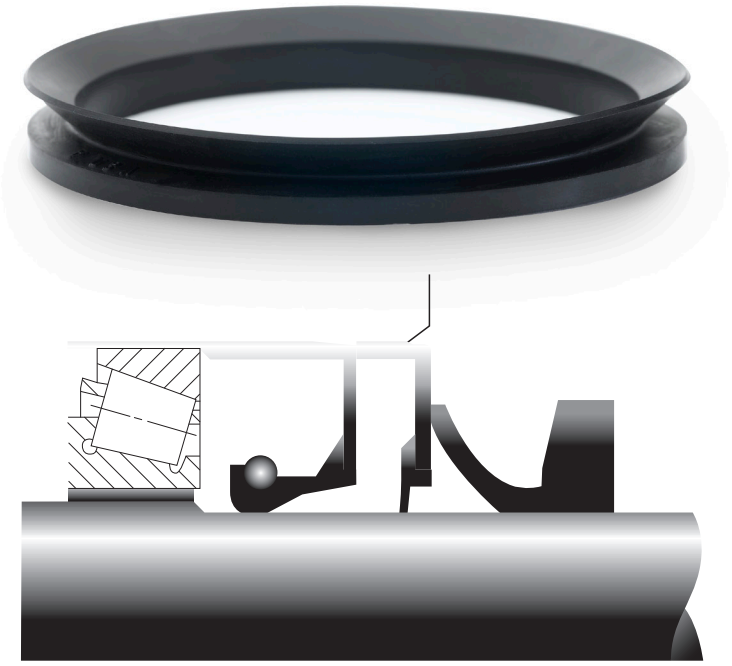
- Excellent oil resistance & compatibility
- -40°F to +300°F temperature range
- Lower temperature seal operation
- Much lower shaft & seal drag
- Reduced shaft wear & grooving
- Extends seal service life up to 6 times
- Reduces entry of fewer contaminants
- Maintains fresh film of oil
- Seal compound offers improved tensile strength and resistance to heat, abrasion, hardening in hot oil, ozone and weathering
- 100% Factory tested

Optional V-ring Flinger Seal Kit

(includes input & output v-ring seals, see chart for part numbers)

Harsh Duty V-Ring Sealing

- Rides on driven shaft
- Acts as a flinger
- Keeps contaminants from coming in contact with excluder seal
- Easy installation – no tools required
- More resistant to water spray, and mild wash-down applications



DODGE TORQUE-ARM II V-RING KITS

Taper Bushed Reducer	Maximum Bore with Standard Bushing	V-ring Seal Kit Part Numbers
TA0107L	1 7/16”	900249
TA1107H	1 1/2”	901249
TA2115H	2 3/16”	902249
TA3203H	2 3/8”	903249
TA4207H	2 11/16”	904249
TA5215H	3 3/16”	905249
TA6307H	3 7/16”	906249
TA7315H	4 7/16”	907249
TA8407H	4 7/16”	907249
TA9415H	4 15/16”	909249
TA10507H	6”	910249
TA12608H	7”	912249

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