



Dodge® Motorized Torque-Arm II

Product overview



Dodge Motorized Torque-Arm II gear reducer

Heavy-duty right angle gear reducer for tough applications

Product overview

Introduced in 2010, Dodge Motorized Torque-Arm II (MTA) gear reducers are a compact, heavy-duty right angle solution.

- Available in 7 case sizes up to 75 kW (100 HP)
- Exclusively uses tapered roller bearings to withstand shock load applications
- Premium heavy-duty seals to protect internal components in wet or dirty applications
- Designed to AGMA standards - minimum 5,000 hr L10 life
- Three-piece coupling design to easily assembly and disassemble motor from gear reducer
- Utilizes Dodge twin-tapered bushing system that makes installation and removal easy, and provides a sturdy grip to the driven shaft



Dodge Motorized Torque-Arm II gear reducer

MTA in action

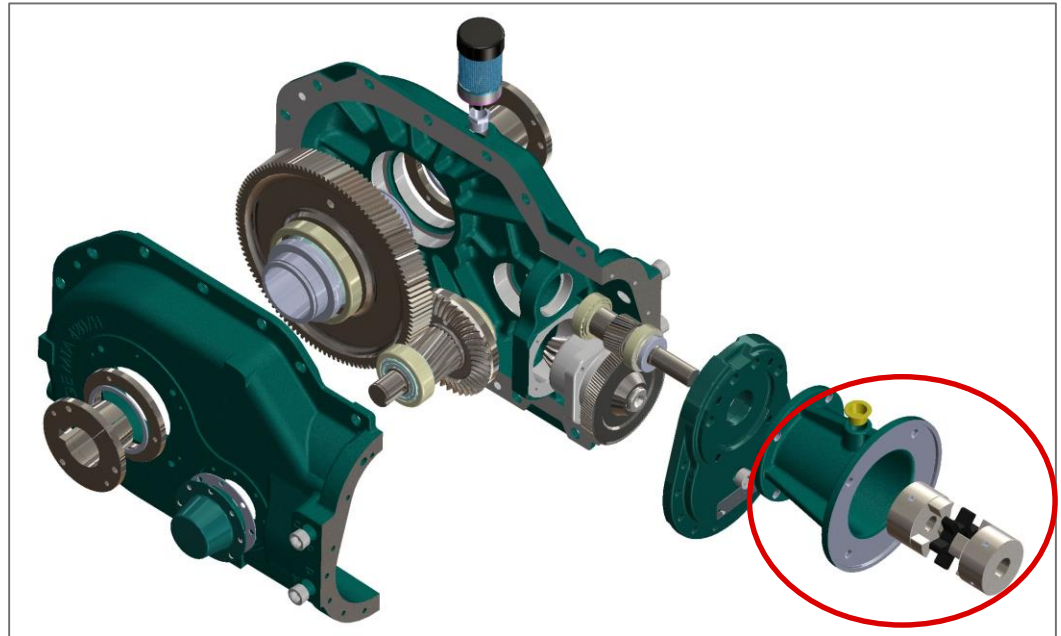


Dodge Motorized Torque-Arm II gear reducer

Internal heavy-duty components make a positive difference for long life

3-piece coupling for motor connection

- Simple installation and highly reliable for frequent starting and stopping as well as reversing loads
- Jaw coupling connection eliminates any misalignment, negating the need to have additional support under the motor
- Totally sealed gear case allows field changes to motor adapter and three-piece coupling to be completed while unit is installed

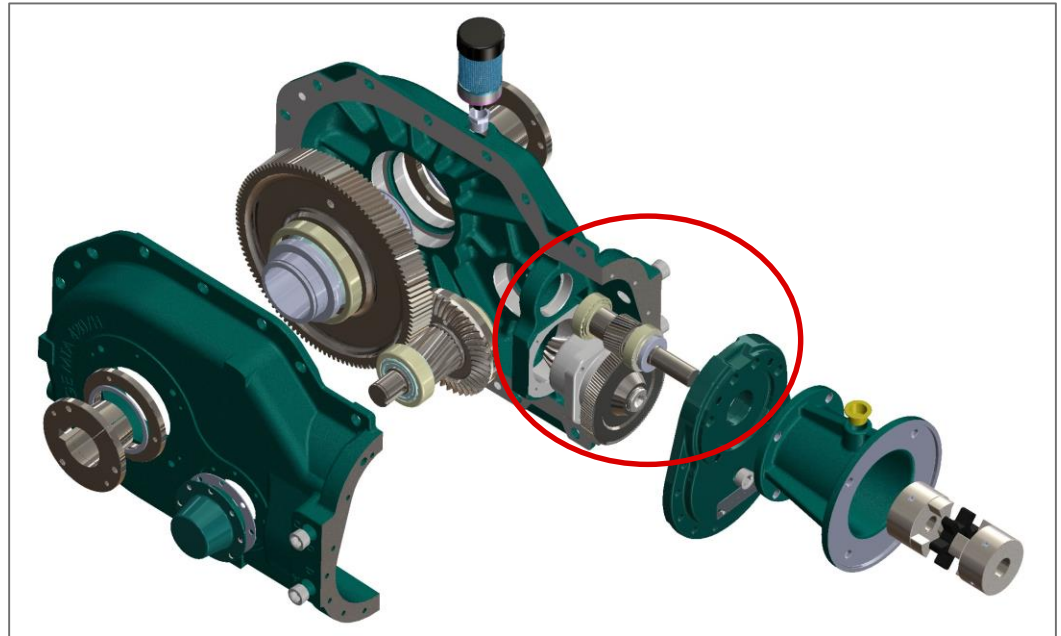


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Internal heavy-duty components make a positive difference for long life

Straddle mount input pinion

- Allows for gear reducer to withstand heavy shock loads in the toughest applications
- Full torque transmission throughout the gearbox providing a heavy-duty, highly reliable gear reducer
- Unlike traditional integral gear motor packages, MTA II gear motor packages are stocked as fully sealed unit, keeping contamination out

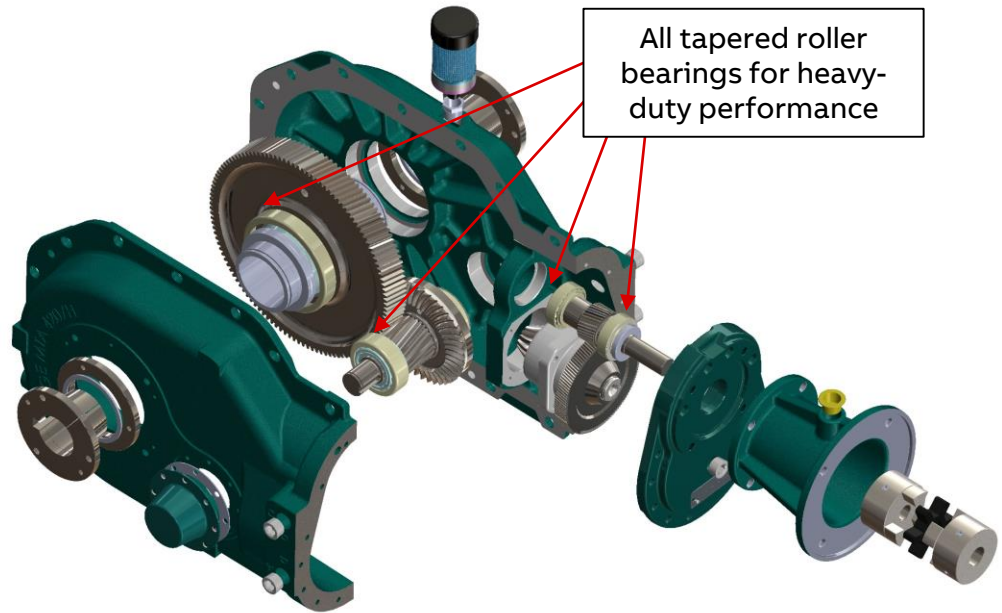


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Internal heavy-duty components make a positive difference for long life

Tapered roller bearings used throughout

- Provides internal components with stability to withstand shock loads
- Designed based on AGMA standards for class 1, 5,000 L10 hours which provides significant more bearing life than nearly all competition



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MTA in action

Right angle solution: shaft mounted

- Utilizing twin-tapered bushings, this right angle gearbox can be mounted in a variety of positions
- Use short shaft bushing kit when limited shaft space is available after replacing straight bore reducers or single bushed reducers



Twin-tapered bushing



Short shaft bushing kit



Position D mounting position

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MTA in action

Right angle solution: screw conveyor

- Standard screw conveyor accessories allow for customers to quickly adapt MTA to an industry standard CEMA screw conveyor trough end
- Optional adjustable packaging kits available to provide additional contamination barrier between gear reducer and environment



Drive shaft



CEMA adapter



Optional adjustable packing kit



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Many accessories available to enhance safety and extend operating life

Breathers provide additional protection for gear reducers in harsh environments.

- Removes particulates and moisture from the air as gear reducers “breathe”
- Visual cues may improve maintenance

Hydra-lock



Position D breather kit



Bushing covers



Backstops



Bushing covers provide safety from rotating bolts.

Backstops provide protection from reverse loads and also work with lubricants containing extreme pressure (EP) additives.

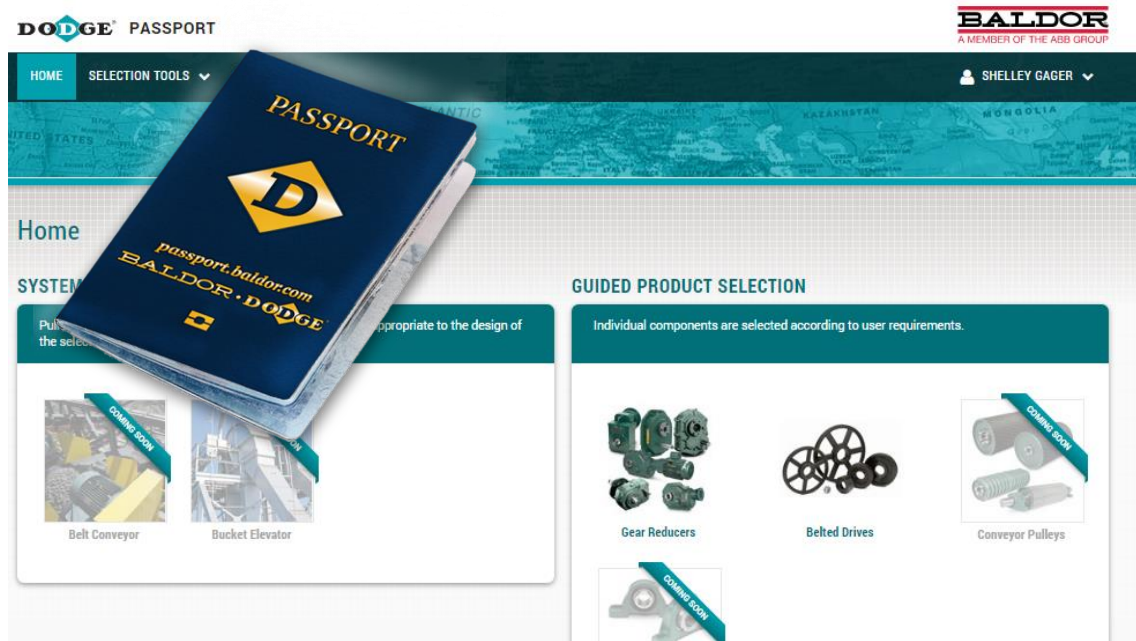
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