

GEARING

MAGNAGEAR XTR[®]

The Dodge[®] MagnaGear XTR is a power-dense reducer that offers increased reliability in a compact, heavy-duty package. Engineered with Dodge planetary, helical, or helical-bevel gearing, the MagnaGear XTR performs in the most challenging environments. Designed with features like purgeable dual seal systems, and EP lubricant-compatible backstops, this reducer is built to provide maximum uptime and long-term value.

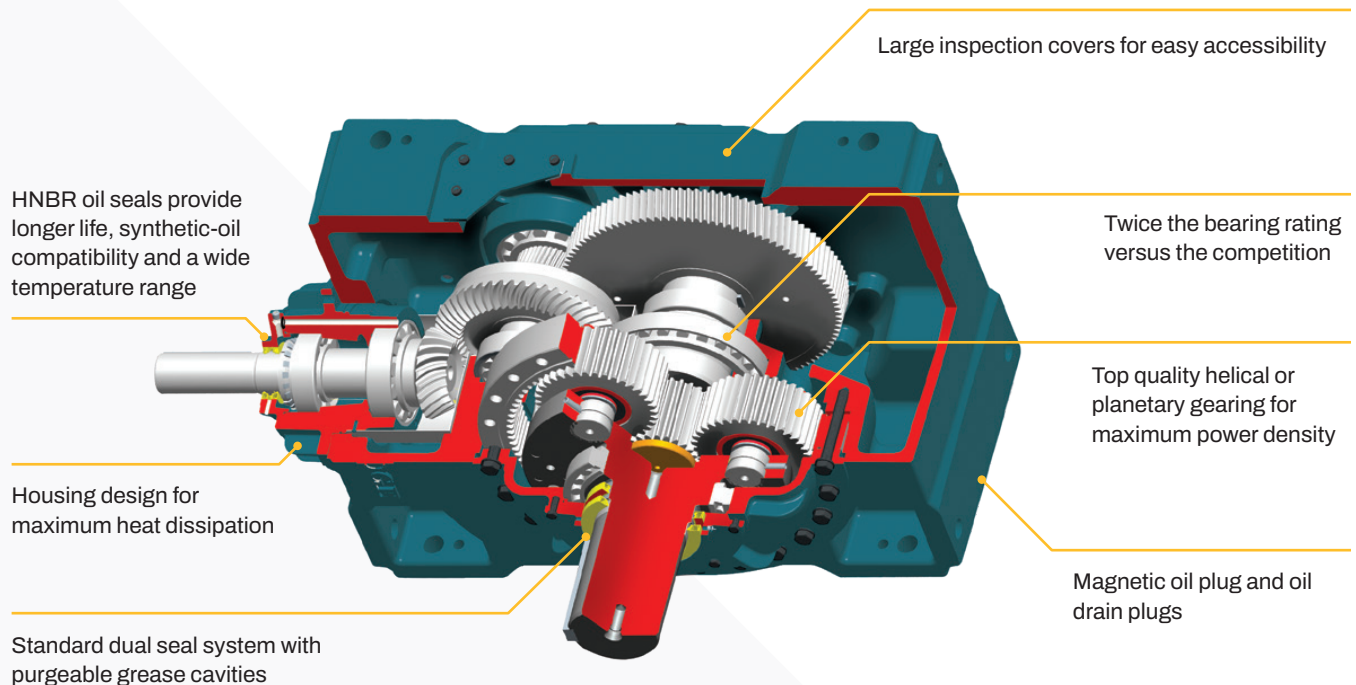
MagnaGear features

- MagnaGear XTR covers a torque range of 100,000 lb-in to 3,500,000 lb-in
- Twelve case sizes
- Range of input ratings from 40 hp to 5,000 hp
- Suitable for a variety of high-torque applications
- AGMA design has longer bearing life than most competitors
- Premium seal system
- Lower total cost of ownership
- Easy maintenance

Engineered to handle the toughest environments

MagnaGear XTR reducers complement the Dodge gearing family of products and are ideal for bulk material handling in harsh environments. This gear reducer can be used in the mining, aggregate, grain, power, and wood products industries in a wide range of applications including:

- Conveyors
- Bucket elevators
- Crushers/breakers
- Feeders
- Mills/kilns



MagnaGear design and accessories

- Available in offset-parallel and right-angle configurations
- Hollow-bore designs utilize the Dodge patented twin-tapered bushing system, which:
 - Provides easy installation and removal of gearbox
 - Eliminates wobble and fretting corrosion associated with straight-bore and shrink-disc mounted designs
- Tunnel-housing design is self-aligning between the motor, coupling, and reducer
- Bushing covers, tunnel-housing guards, and coupling guards help prevent injury during operation
- Hydra-Lock breather extends oil life and is available for all Dodge heavy-duty gearboxes
- Reliability kits available for harsh environments
- Shaft fans, electric fan kits, and alternative cooling packages are available
- Multiple mounting styles available
- Variety of input and output coupling options available

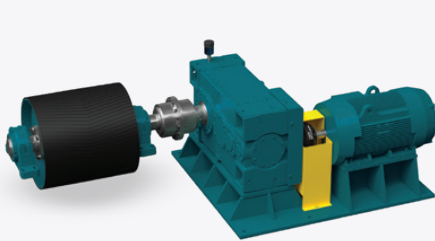
Dodge moment couplings

These couplings are specifically engineered and designed to make a rigid connection between the output shaft of the MagnaGear XTR and driven equipment. They are capable of handling both the required application torque and the bending moment forces of the suspended weight of the drive package.

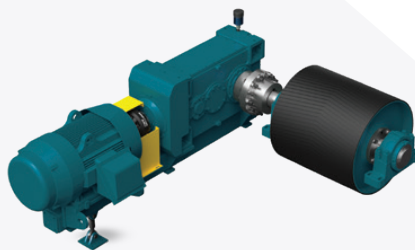
Dodge moment couplings enable large gear boxes to become alignment-free drives.

This saves money by eliminating the time-consuming process of aligning a gearbox assembly to the head-pulley shaft, and eliminating the structural fabrication required for base-mounted drives.

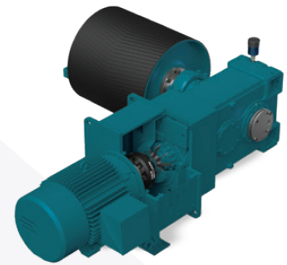
Mounting configurations



Offset-parallel, base mount



Right-angle, swing-base
with moment coupling



Right-angle, hollow-bore
with tunnel housing

