

XL Right Angle Reducers and Gearmotors



1/4 to 20 HP
Ratio 5:1 to 336:1

OPTIONS

- Broad range of integral and C-face Reliance motors.
- Flanged outputs for direct mounting.
- Bolt-on feet for ceiling or vertical mounting.
- Brake additions.
- XT and E-Z Kleen packages.

DESIGNED FOR YOUR NEEDS

- Three-piece coupling makes NEMA C-face motor removal and assembly easy.
- Cast iron construction is corrosion resistant.
- Optional washdown enclosure.
- Hardened steel seal sleeves protect input and output shafts from seal wear.
- Factory-filled lubricant.
- USDA-approved finish.

The MASTER right angle gear product line is composed of two basic configurations.

1. **THE GEARMOTOR** - uses a partial motor direct connected to the reducer splined input shaft by means of a semi-rigid coupling.
2. **THE C-FACE REDUCER**- utilizes a standard C-face motor, adapter and flexible coupling, connecting to the reducer.

Gearing is designed with a steel worm, integral to the splined input shaft, mating with a bronze worm gear. The second stage gears, where used, are helical, cut from steel, shaved to close tolerances and then case hardened.

The single reduction and combination gearmotor is designed with ball bearings on the splined input shafts and tapered roller bearings on intermediate and final output shaft.



Integral Gearmotor Construction for more compactness

XL Parallel Reducers and Gearmotors

OPTIONS:

- Broad range of integral and C-Face Reliance motors
- Flanged outputs for direct mounting
- XT and Easy Clean (Level 1 and Level 2) enclosures for severe applications

Contact your Dodge representative for information on fully assembled systems including motors, brakes, gearboxes, couplings, sprockets, and pulleys.

DESIGNED FOR YOUR NEEDS:

- Three-piece coupled input makes NEMA C-Face motor removal and assembly easy
- Cast iron construction is corrosion resistant.
- Hardened steel seal sleeves protect input and output shafts from seal wear
- Factory-filled with lubricant for the proper mounting position
- USDA-approved finish and lubricants

The **MASTER XL** parallel product line is composed of two basic input configurations;

1. **THE GEARMOTOR** - uses a partial motor direct connected to the reducer splined input shaft by means of a semi-rigid coupling
2. **THE C-FACE REDUCER** - utilizes a standard C-Face motor adapter and flexible coupling, connecting to the reducer.

MASTER XL parallel reducers are available in single, double and triple reduction ratios from 2.25:1 to 129.7:1. Horsepower capabilities range from fractional to 10 HP. These reducers can be mounted using the integral cast foot or by an optional output flange.

