

## DODGE® MAXUM® A PROVEN, COMPACT, ENGINEERED CONCENTRIC SPEED REDUCER

Minimize down time and increase performance with DODGE MAXUM speed reducers. With a power dense design that provides increased HP and torque ratings, no competitor can match its design, performance or value.

The high strength ductile and cast iron housing is a rugged compact package, offering dependable performance in less space. The precision machined, doweled design provides proper gear alignment under load and meets

or exceeds AGMA standards. The product features heavy duty tapered roller bearings for increased radial and thrust load capabilities, plus standard, double-lip and optional Viton® seals help keep lubricants in and contaminants out. The units are 100% factory tested prior to shipment.

There are a variety of MAXUM mounting options available. A top motor mount allows the customer to select the desired reducer output speed, saving floor space by top-mounting a Reliance® motor and a DODGE V-belt drive. The MAXUM scoop package is available for use with 143T through 445T motor frames. The fabricated steel scoop is an economical and



compact way to connect the motor and reducer.

In addition, custom base plates can be designed for a specific application to ensure a sturdy mounting base and easy alignment of the motor, coupling, and reducer providing a single source power transmission package.

Other options include an external backstop, which provides reliable holding power, and cooling fans, which provide an economical way of lowering the reducer's oil temperature and increasing seal

life. A heat exchanger kit is available for applications with high ambient temperatures or for thermal capacities beyond the range of cooling fans. Extra sealing protection, via an auxiliary seal kit, can be installed in the field when exposure to dust, moisture, or other contamination is a potential problem.

DODGE MAXUM concentric speed reducers are available from fractional to 1,600 HP, and up to 502,000 (in-lbs) torque.



## DODGE® INTRODUCES NEW HYDRAULIC CENTER PULL TAKE-UP FRAMES

DODGE hydraulic center pull take-up frames will increase conveyor belt life and uptime, while decreasing belt lengths and maintenance costs. These hydraulic powered take-up frames can also help to eliminate the costly and cumbersome support structures associated with gravity take-ups.

Ideal for conveyor lengths 75' to 150', hydraulic take-up frames provide simple and accurate belt tensioning.

The DODGE hydraulic take-up system features various travel lengths, proven hydraulic cylinders, a carbon steel tank, and a heavy duty hydraulic pump.

Instead of the conventional gravity, cantilever, or screw take-up designs, consider the long term benefits that will result from specifying and designing in hydraulic take-up frames from DODGE on your next conveyor.

