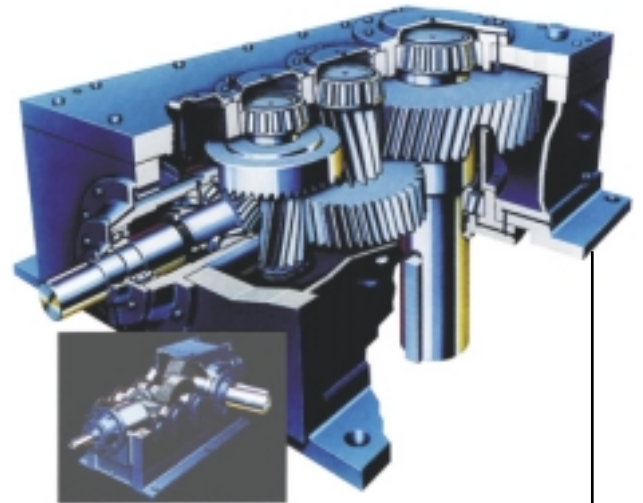


FALK PARALLEL-SHAFT GEAR DRIVES – HORIZONTAL OR VERTICAL MOUNTING

Heavy-Duty Drives for Heavy-Duty Applications

- 15 sizes for foot, flange or shaft mounting.
- Solid or hollow low-speed shafts.
- Ratios: 1.8:1 to 437:1.
- Capacities: 2 937 Nm to 621 448 Nm (26,000 to 5,500,000 lb-in).
- Power ratings to 14 168 kW (19,000 hp).

Strong, durable, compact, and energy-efficient, Falk A-Plus parallel shaft gear drives serve a broad range of industrial applications. All Falk A-Plus gear drives feature case-carburized and finish ground, high strength helical gearing, fabricated steel housings, positive lubrication, and Magnum no-leak dirt-proof seals.



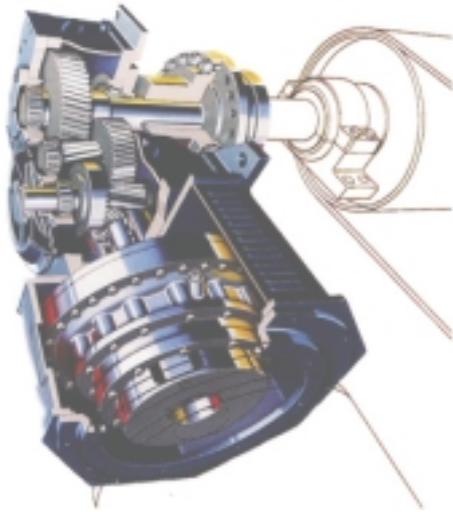
FALK RIGHT-ANGLE SHAFT GEAR DRIVES – HORIZONTAL OR VERTICAL MOUNTING

The “Right Angle” on Heavy-Duty Performance

- 11 sizes for foot, flange, or shaft mounting.
- Solid or hollow low-speed shafts.
- Ratios: 5.06:1 to 357:1.
- Capacities: 11 300 Nm to 621 448 Nm (100,000 to 5,500,000 lb-in).
- Power Ratings to 2 653 kW (3,557 hp).

Falk’s compact and durable heavy-duty, right-angle gear drives have wide application in industry. All series “AB” drives feature carburized, root-peened, skived spiral bevel gears. They also feature case-carburized and finish ground, high strength helical gearing, fabricated steel housings, positive lubrication, and Magnum no-leak dirt-proof seals.



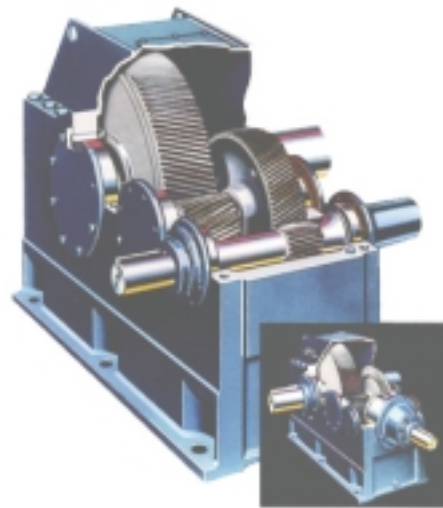


FALK ALIGNMENT-FREE CONVEYOR DRIVE

Falk Alignment-Free Drives for Trouble-Free Conveyor Operation

- 5 sizes for right-angle shaft mounting.
- Flange or hollow low-speed shaft connections.
- Use with fluid couplings or electrical soft starts.
- Ratios: 13.95:1 to 34.74:1.
- Power ratings from 90 kW to 630 kW (125 to 800 hp).

Falk's Alignment-Free, Shaft-mounted, Conveyor Drives meet all surface and underground belt conveyor application requirements. By eliminating foundations, installed costs are reduced by as much as 20%. Shaft misalignment, a major cause of costly failures and downtime, is eliminated. Plus, a symmetrical housing substantially reduces spares inventory costs.



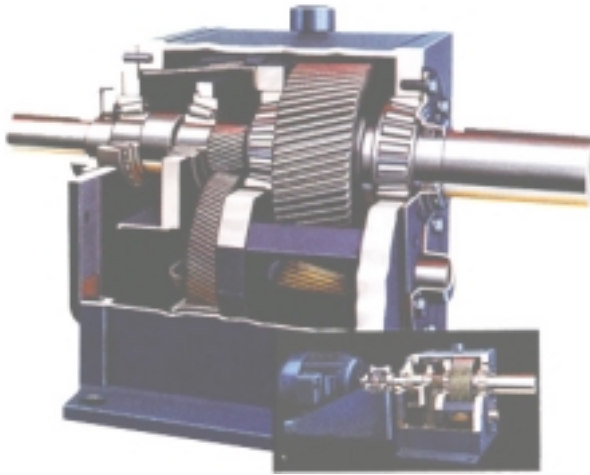
FALK HIGH-THERMAL CAPACITY GEAR DRIVES

Application Tested - Proven Performance

- 20 sizes for parallel or right-angle shaft configurations.
- Ratios: Parallel Shaft - 1.84:1 to 291.9:1, Right-Angle Shaft - 1.50:1 to 1207:1.
- Capacities to 316 373 Nm (2,800,000 lb-in).
- Power ratings to 7 457 kW (10,000 hp).

Falk's high-thermal capacity gear drives feature through-hardened precision-machined helical gearing, carburized and lapped spiral bevel gearing, fabricated steel housings, large oil sumps, positive lubrication, and Falk's exclusive no-leak Magnum seals. Falk's "Y" series gear drives have proven reliability in industry for over 40 years.



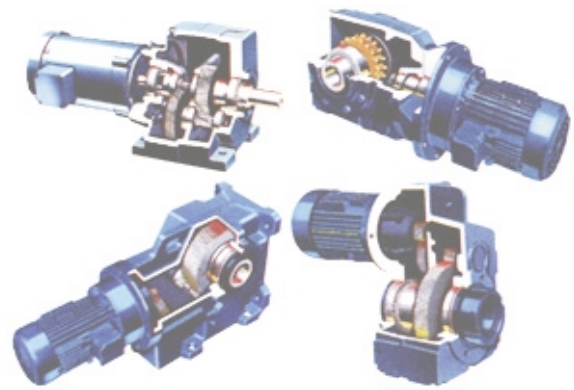
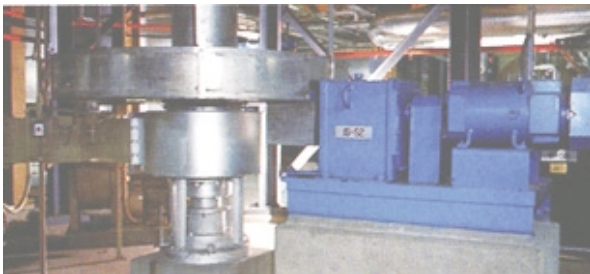


FALK ULTRAMAX CONCENTRIC

The Industry's Largest Selection

- 12 sizes.
- Concentric configuration.
- Ratios: 1.5:1 to 985:1.
- Capacities to 60 000 Nm (530,000 lb-in).
- Power Ratings to 1 268 kW (1,700 hp).
- Optional Scoop, Flange, or Baseplate Mounted Motors.

An economical alternative to parallel shaft drives in the medium kilowatt/horsepower range. Modular construction and standard accessories and options allow for quick product shipment.



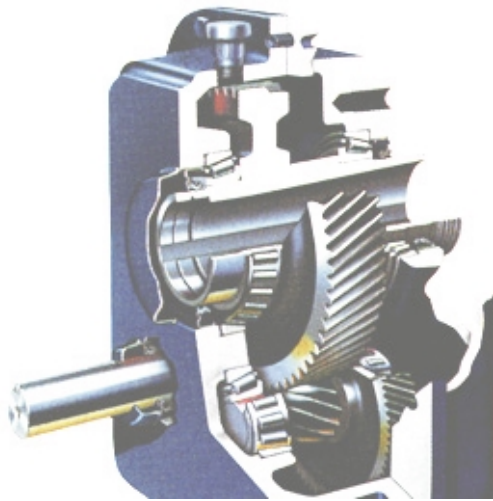
FALK ULTRAMITE GEARMOTOR DRIVES

A Drop-In Replacement for SEW Eurodrive® Gearmotors

- Helical Concentric and Shaft Mount Designs; Right Angle Helical-Worm and Helical-Bevel Designs.
- Distributor-stocked kitted assemblies for foot, flange, or shaft mounting.
- Horizontal or vertical mounting.
- Ratios: 1.4:1 to 58,945:1.
- Capacities to 7 005 Nm (62,000 lb-in).
- Power ratings to 95 kW (127 hp).

An ideal choice for lower power requirements, Ultramite is assembled to order from kits stocked at local Falk distributors. Ultramite accepts standard off-the-shelf motors allowing the use of customer-preferred motor brands. Available double seal option keeps oil in and dirt out in harsh environments. Ultramite's standard footprint makes substitutions, replacements, or retrofits quick and easy.



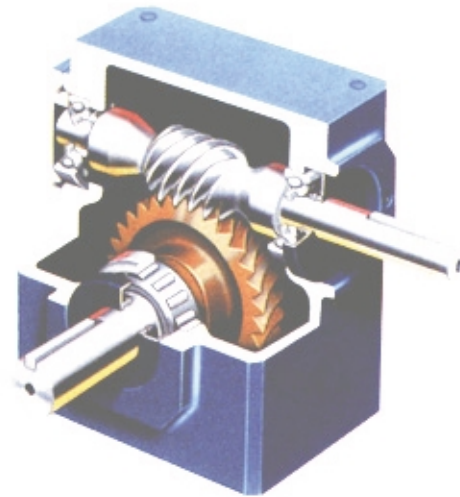
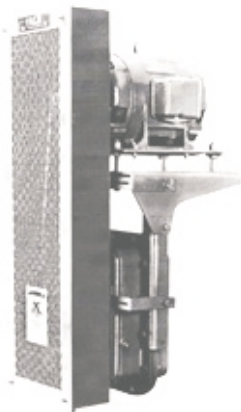


FALK QUADRIVE SHAFT-MOUNTED DRIVES

Easiest On - Easiest Off

- 11 sizes for flange or shaft mounting.
- Horizontal or Vertical Mounting.
- Bushing bores from 25 to 160 mm (1 inch to 6-1/2 inch).
- 5 to 350 rpm output speeds.
- Capacities to 39 547 Nm (350,000 lb-in).
- Power ratings to 224 kW (300 hp).

An economical alternative to right-angle shaft mounted drives, featuring a V-belt input for easy speed changes and reduced spares inventory. Quadrides feature a "Torque Assist" TA Taper bushing that eliminates binding and makes installation and removal an "easy-on, easy-off" proposition. The Quadrive modular design makes accessorizing for CEMA screw conveyor and other applications a simple matter.



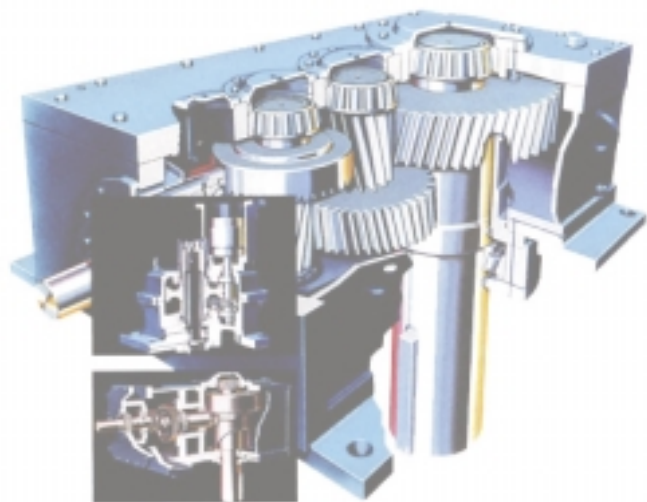
FALK OMNIBOX WORM GEAR DRIVES

Economy - Versatility - Interchangeability

- 14 sizes for foot, flange, or shaft mounting.
- 34 mm thru 254 mm (1.33 inches thru 10 inch) centers.
- Ratios from 5:1 to 3,600:1.
- Capacities to 10 168 Nm (90,000 lb-in).
- Power ratings to 81 kW (100 hp).
- Vertical or horizontal inputs and outputs.

Omnibox is all about long life and low operating costs. Viton® Double Lip Seals, standard, deliver increased resistance to high temperature, abrasion and chemicals. O-rings on input and output covers eliminate gaskets and silicone sealants that are prone to leaks. And the entire system is 100% run and leak tested.



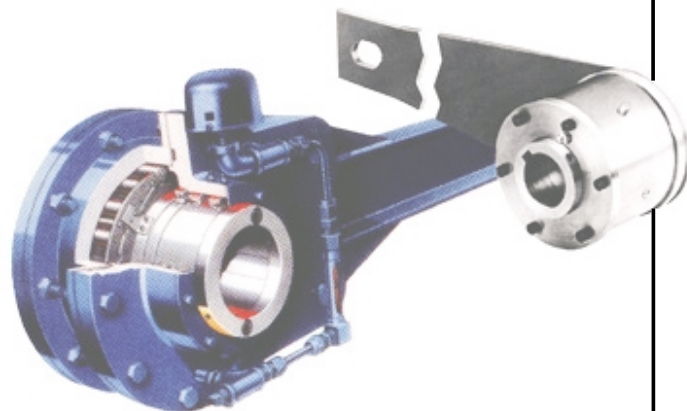


FALK RAM MIXER DRIVES

Mixer Drives Designed to Drive Mixers

- 18 sizes in parallel shaft or right-angle shaft configurations.
- Solid and hollow shafts.
- Top, bottom, or side entry mixer mountings.
- Ratios: 5.06:1 to 1,207:1.
- Capacities to 429 000 Nm (3,800,000 lb-in).
- Power Ratings to 4 100 kW (5,500 hp).

Falk's designed-for-the-job RAM Mixer Drives feature large diameter shafts, extended bearing life, no-leak drywells, precision-cut helical and spiral-bevel gearing, and rugged, rigid housings - all engineered to handle tough mixing in pharmaceutical, chemical, food processing, waste-water, power-generation, mining, and pulp and paper applications.



FALK TRUE HOLD LOW SPEED BACKSTOPS

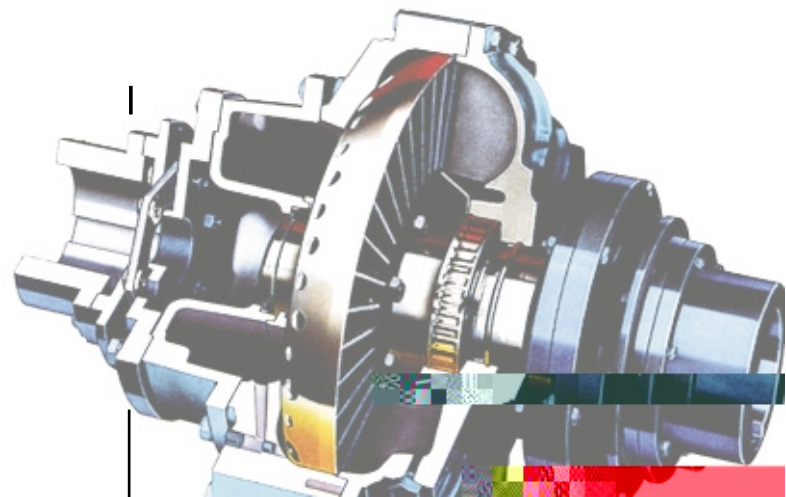
Full-Load Tested for Faultless Performance

- 18 sizes.
- Bores: 30 to 510 mm (1.25 in to 20.00 in).
- Capacities: 4 068 Nm to 1 012 847 Nm (3,000 to 747,000 lb-ft).
- Overrunning Speeds from 1 to 2,800 rpm.

Falk's Low Speed Backstops prevent reverse rotation in applications such as inclined conveyors, bucket elevators, fans, rotary pumps, and kilns.

Performance-proven NRT Backstops employ a roller/ramp design featuring free-wheeling cylindrical rollers that permit load engagement upon reversal. Tandem seals and grease-purge cavities extend service life. Available load sharing systems for multiple backstop installations increase versatility.



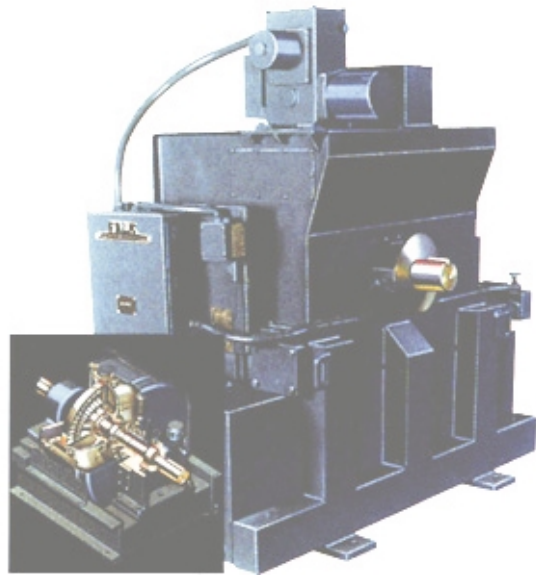


FALK FIXED-FILL FLUID COUPLINGS

Softer Starts - Smooth Power Flow

- 11 sizes, 4 types.
- Gear, disc, and grid coupling; hollow shaft and sheave connections.
- Delay, extended-delay, and non-delay fills.
- Power ratings to 1 119 kW (1,500 hp).
- Starting power adjustable from 40% to 250% of full-load torque.
- Overload protection.
- Centrifugal Check Valves

Used in a broad range of applications, Falk Fixed-Fill Fluid Couplings provide consistently longer, smoother, time-controlled starts with lower starting torques and softer torque transfer. Series HF fluid couplings' delay-fill chamber assures smooth operation during extended acceleration and minimizes slip under full-load. Ideal for conveyors using multiple drives, Falk Fluid Couplings allow for staggered motor starting and load sharing.



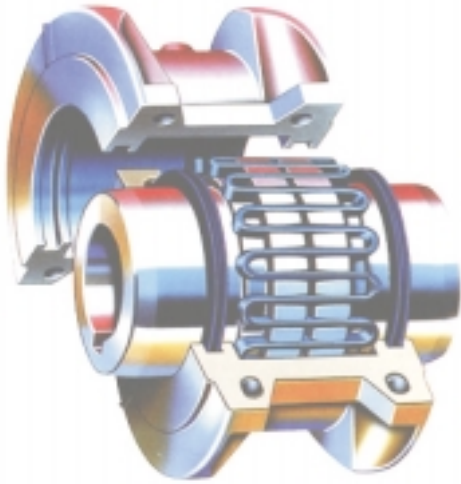
FALK VARIABLE-FILL FLUID COUPLINGS

Total Control of Starts, Speeds, Torques

- 3 sizes in Scoop Control, 7 sizes in Scoop Trim.
- Manual or electronic controls.
- Capacities:
Scoop Control - 150 to 653 kW (200 to 875 hp),
Scoop Trim - 150 to 2 983 kW (200 to 4,000 hp).

Falk Scoop Control (series HC) and Scoop Trim (series HT) Variable-Fill Fluid Couplings provide the ultimate in close control of start-up and operating speeds and torques. Ideal on conveyors for dynamic multi-motor load sharing and ultra-long starts. Falk Variable-Fill Fluid Couplings also deliver economical load declutching and speed trimming. Variable speed control is available for pump, fan, and other centrifugal machines.





FALK STEELFLEX GRID COUPLINGS

The Ultimate “General Purpose” Coupling

- 25 sizes, 11 types.
- Torsionally flexible.
- Spring-steel grid flexing element.
- Bores to 508 mm (20 inch).
- Capacities to 847 429 Nm (7,500,000 lb-in).
- Low initial and long-term cost.

The easily replaceable grid in a Falk Steelflex coupling combines the high-load capabilities of a gear coupling with the flexibility of an elastomer design. Backed by a 5-year warranty, Falk Steelflex couplings require no periodic maintenance when lubricated with Falk supplied LTG (Long Term Grease) at installation.



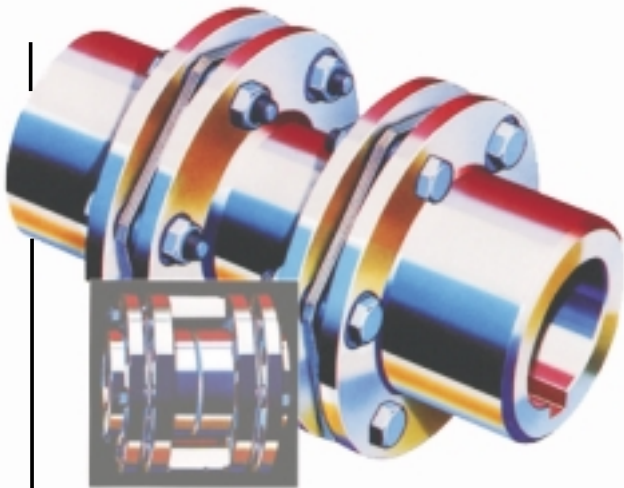
FALK LIFEALIGN GEAR COUPLINGS

Economical - Long Lasting

- Flanged sleeve, continuous sleeve, and steel mill series.
- 28 sizes, 13 types.
- Torsionally rigid.
- Precision-crowned, gear-to-gear flexing element.
- Bores to 1 093 mm (43 inch).
- Capacities to 8 191 813 Nm (72,500,000 lb-in).
- Lowest initial cost for high capacities.

Triple-crowned for maximum capacity, Falk Gear Couplings have bigger bores and higher ratings providing lower cost selections. When used with Falk LTG (Long Term grease), Falk “G” series Gear couplings can operate 3 years without relubrication. Falk Gear couplings provide the low-cost, long-lasting answer to both small and large capacity coupling requirements.





FALK FREEDOM DISC COUPLINGS

No Lubrication - No Maintenance

- 42 sizes, 20 types.
- Torsionally rigid.
- Stainless steel disc/discpack flexing element.
- Bores to 400 mm (15.75 inch).
- Capacities to 313 210 Nm (2,772,000 lb-in).
- Low long term cost.

Close tolerances and registered fits allow Falk Disc Couplings to provide continuous high-speed service with virtually no maintenance. Falk's one-piece discpacks assure simple maintenance and a "no backlash" connection. Falk Disc Couplings are a practical alternative to lubricated and elastomer couplings for many applications.



FALK WRAPFLEX ELASTOMER COUPLINGS

It doesn't get any easier than Wrapflex

- 6 sizes, 2 types.
- Low Maintenance, Non-Lubricated.
- Polyurethane element has excellent wear and chemical resistance.
- Bores to 102 mm (4 inch).
- Capacities to 2 500 Nm (22,000 lb-in).
- Exceptional value in long-life design.

Non-lubricated design reduces maintenance costs. Plus, quick and easy installation and replacement reduce downtime. No need to remove hubs when replacing the element. Stock finished bores in popular sizes and taper bores that accept Q.D. and taper Lock bushings are available from our world-wide distribution network.

