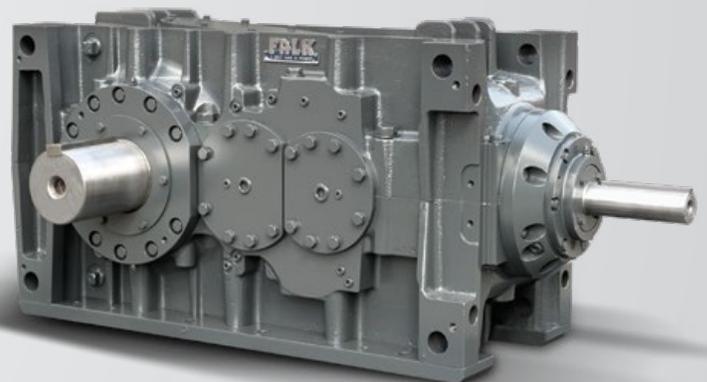


Falk V-Class Gear Drives



Since its creation, the Falk V-Class has set and maintained a new standard in gear drives.

Extreme industrial applications demand a gear drive that performs every day, no exception. That means longer seal life, improved thermal performance and increased operating life. It means shorter lead times, convenient serviceability, and faster, easy-access support. It means the Falk V-Class™ – a drive engineered to deliver power, durability, and reliability under the toughest conditions.

It has more than 150,000 engineering hours, and 125 years of history backing it up. Now available in larger sizes and standard 4-week lead times for many frequently used units and accessories.

Falk V-Class Specifications Overview

- Right angle or parallel shafts
- Heavy-duty ductile iron housing withstands shock loads
- Horizontally split housing allows easy disassembly/assembly for maintenance
- Superior thermal performance
- Exclusive Magnum no-leak seal design
- Internal backstops

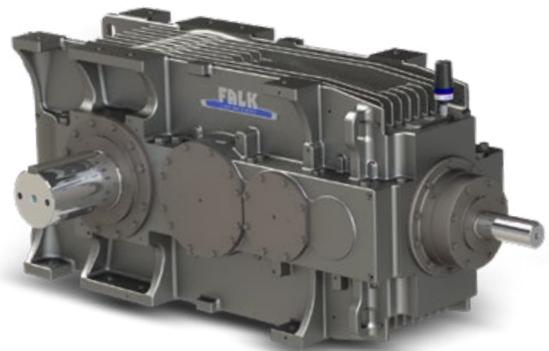


Falk V-Class

Ratios: 1.25 to 160:1

Torque: Up to 3M lb-in (up to 341 kNm)

- 27 sizes
- Solid or hollow output shafts



Falk V-Class — Larger sizes

Ratios: 5.60 to 710:1

Torque: 2.5M to 9M lb-in (282 kNm to 1016 kNm)

- Nine sizes
- Solid output shafts



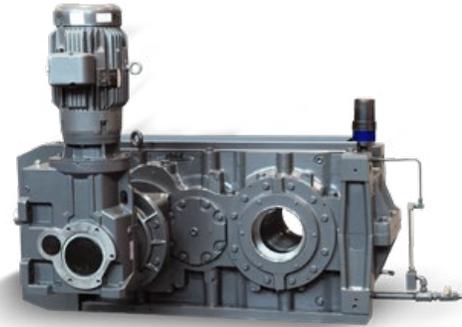
DuraPlate® Cooling System

- Integral, self-contained system simplifies installation and minimizes risk of damage
- Powered by shaft-driven pump and fan for high reliability, no need for additional motors
- Requires no electricity, saving time and enabling easy installation
- Requires no cooling water, simplifying installation and conserving a limited resource
- Stainless steel design prevents corrosion and provides superior durability
- Other cooling options available to suit a vast range of ambient conditions and application requirements



Falk V-Class Alignment Free

The Falk V-Class Alignment Free option allows for easy installation of shaft mounted gear drives, reducing labor time and the risk of improper alignment of motor and gear drive, thus protecting bearings, couplings and other motor and drive components against potential damage or premature wear.



Inching Drive Option

- Reliable power — Falk® Ultramite® Gearmotors provide reliable power and unmatched performance
- Compact design — Integrally mounted to the main gear drive unit, the inching drive is coupled via an overrunning clutch
- Automatic engage/disengage — For operator convenience, the inching drive automatically engages in inching operation and disengages when the main motor is operating
- Ready availability — Standardized product offering allows for ready availability
- Safety — Optional speed switch and backstop to ensure safe operation

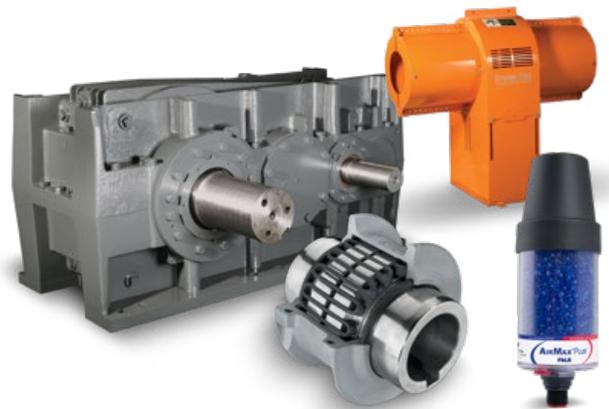


Standard 4-Week Lead Times for Unit Sizes 107-167

A broad portfolio of drives, options, and accessories that are readily available in 4 weeks or less.

We understand your needs. That's why to help support you, we created a broad portfolio of drives, options, and accessories that are readily available in 6 weeks or less. Just send us your order information, outlined below, to get started. Call 866-REXNORD for more information or email techgear@rexnord.com.

- VP2 & VP3
- VR3
- Standard TA taper bushing
- Single- and double-ended input shafts
- Single-ended LSS shafts
- Preliminary model*
- Shaft fans
- Alignment-free package
- 2000 Series MCF couplings**
- Falk SteelFlex® Couplings
- Coupling guards
- Condition monitoring package
- Falk Reliability Package
- Immersion heater



*Preliminary models will be provided with all quotes. Certified drawings will be provided when required quote and order information is received.
**MCF Coupling bore must be within the range specified in the V-Class Catalog and shaft tolerance must be +0.000/-0.001 or M6 for metric shafts.

Let Us Help You: Quote Information for 4-Week Lead Time Units

To meet the standard 4-week lead times, the following information is requested. Deviations outside the standard product offering are quoted using our standard quote and order entry process. This includes variations to individual components or drives outside of the list components, such as removing items from a condition monitoring or lubrication package.

- Drive quantity
- Application or minimum service factor
- Motor hp
- Input speed (if variable, provide speed range)
- Ratio or output speed
- Drive configuration (right angle or parallel)
- Single or double extended input shaft
- Solid output shaft or TA taper bushing
- Required accessories
- Ambient conditions (standard conditions will be assumed if not provided)

Required Order Information for 4-Week Lead Time Units

Additional information is required to enter an order along with a purchase order. If information is missing, the order cannot be processed. Missing information will also be noted on the quote to help clarify the additional required information.

- Drive assembly number
- Drive accessory figure number
- LSS shaft rotation direction (right angle drive with shaft fan only)
- Motor frame size
- Electrical service/voltage (Required for immersion heater only)
- TA bushing bore and keyway
- Customer shaft size and tolerance (MCF Couplings only)

When uptime matters, trust the Falk V-Class.

Solid, dependable, proven, and backed by an industry-leading 3-year warranty, this drive really delivers the difference. Whether your business is coal, hard rock mining, energy, grain, cement and aggregate, or pulp and paper, the Falk V-Class will handle your most rigorous production needs.

More torque capacity to handle the heaviest loads

- 25° pressure angle gear teeth provide superior strength and durability
- Case-hardened and ground gears provide greater strength and minimize wear
- Optimized bevel and helical tooth forms deliver smooth torque transmission by ensuring full contact under load
- Proprietary peened gear teeth provide greater strength and longer life
- Highest quality gear sets up to AGMA Class 12 for exceptional durability
- Heavy-duty ductile iron housing withstands shock loads

Steadfast dependability in demanding conditions

- Magnum seals have an exclusive, no-leak design with a purgeable grease chamber, and a contact seal that eliminate oil leaks while keeping dirt out
- Radial and axial bush seals with drainback eliminate oil leaks and prevent contact between surfaces
- Larger, stronger, spherical and tapered roller bearings handle heavier loads for greater torque
- Cast-in oil dams keep bearings lubricated and cool for reliable option
- Proven heat-resistant Viton® and nitrile lip seals last longer
- Steel shims ensure bearing settings are maintained for long life

Quiet drive train for noise-sensitive areas

- Noise reduction allows for enhanced workplace safety
- Significantly quieter than comparable gear drives

Runs cooler for a longer operating life

- Cooling fins on the housing reduce oil temperature
- Proprietary oil feed passages in the housing improve lubrication and provide optimal cooling
- Optional DuraPlate patent-pending cooling system controls oil temperatures in the most extreme conditions
- Computational Fluid Dynamics (CFD) engineering provides optimal thermal dissipation

Designed to maximize uptime and profitability

- Horizontal split housing allows easy disassembly/assembly for maintenance of bearings and gearing
- Removable, adjustable feet allow drop-in replacement or custom transition bases for current product lines, and easily adapt for replacement of competitor drives and different shaft centerline heights
- Base-mounted units can be repaired in place
- Multiple oil ports allow fast, easy oil changes and easy addition of optional oil servicing and monitoring accessories
- Steel shims for easily adjustable bearing settings
- Easily replaceable and adjustable lip seals help reduce downtime
- Pre-cast locations for condition monitoring make it easy to check the drive's health
- Globally compatible for ease of service anywhere in the world

Now Offering Larger Drives

Allowing conveying, pumping and processing capacities previously unattainable with standard gear drive offerings. Falk's industry leading technology is once again setting a new benchmark.



Born to Lead. Built to Last.

Unprecedented design and test procedures

We dedicated more than 150,000 engineering hours designing the Falk V-Class to be the most dependable gear drive ever built. Then, we put it through the most rigorous testing any drive has ever faced. The Falk V-Class triumphed, exceeding expectations across the board, with proven, unsurpassed reliability and performance in the toughest applications.

Superior thermal performance

Cooler thermal performance assists in extended operating life. Cooler running oil increases film thickness, durability and reliability. An 18 degrees Fahrenheit (F) (10 C) decrease in temperature generally doubles the service life of a lubricant. Falk V-Class thermal ratings are based upon 180 F sump temperature instead of the AGMA standard of 200 F, running 20 F cooler.

Delivery when you need it

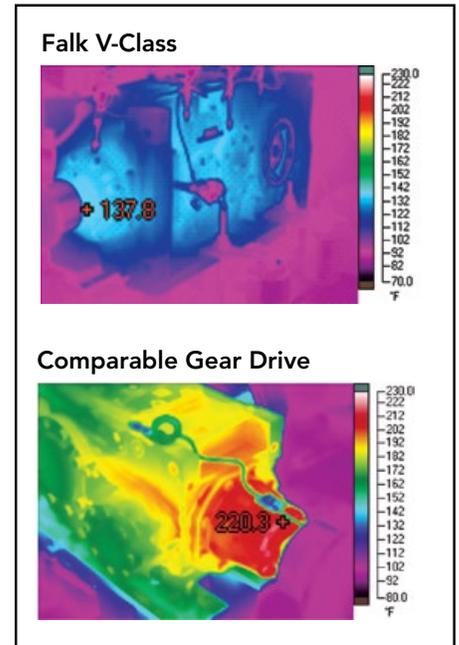
As the world leader in gear drives, we have the depth and breadth of experience necessary to help you reach the level you need to compete. From delivery and installation, to maintenance and service — when you need us, we're there. Our commitment to your success is why we developed the Falk V-Class, a drive so superior it excels under the most demanding conditions in the most extreme environments, every day.

Backed by a world of resources

Our worldwide network of service providers ensures you receive fast response and greater parts availability no matter the day or time. This comprehensive support network, combined with our industry leading, 3-year warranty is our assurance that the Falk V-Class will be everything you've asked for and more.

A Good Name in Industry just got better

For 125 years, Falk has provided high quality, durable drives for heavy-duty industrial use around the world. We're known for revolutionizing the industry. We stand committed to providing customers with the drives they need to succeed. This dedication is why the Falk name has come to be synonymous with reliability, durability, and trust.



Falk V-Class thermal performance vs. comparable gear drive

Torque range	52,000 – 9,117,000 lb-in (5,900 – 1,030,000 Nm)	
Horsepower range	15 – 25,000 hp (11 – 18,650 kW)	
Ratio ranges	<i>Parallel shaft</i>	<i>Single reduction</i> 1.25 – 5.0
		<i>Double reduction</i> 5.0 – 28.0
		<i>Triple reduction</i> 28.0 – 160.0
	<i>Right angle</i>	<i>Double reduction</i> 6.3 – 12.5
		<i>Triple reduction</i> 2.5 – 125.0
		<i>Quadruple reduction</i> 140 – 710



866-REXNORD/866-739-6673 (Within the U.S.)
414-643-2366 (Outside the U.S.)
www.rexnord.com

Why Choose Rexnord?

When it comes to providing highly engineered products that improve productivity and efficiency for industrial applications worldwide, Rexnord is the most reliable in the industry. Commitment to customer satisfaction and superior value extend across every business function.

Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime and increase productivity and dependable operation.

Valuable Expertise

An extensive product offering is accompanied by global sales specialists, customer service and maintenance support teams, available anytime.

Solutions to Enhance Ease of Doing Business

Commitment to operational excellence ensures the right products at the right place at the right time.

REXNORD

Rexnord Company Overview

Rexnord is a growth-oriented, multi-platform industrial company with leading market shares and highly trusted brands that serve a diverse array of global end markets.

Process & Motion Control

The Rexnord Process & Motion Control platform designs, manufactures, markets and services specified, highly engineered mechanical components used within complex systems where our customers' reliability requirements and the cost of failure or downtime are extremely high.

Water Management

The Rexnord Water Management platform designs, procures, manufactures and markets products that provide and enhance water quality, safety, flow control and conservation.