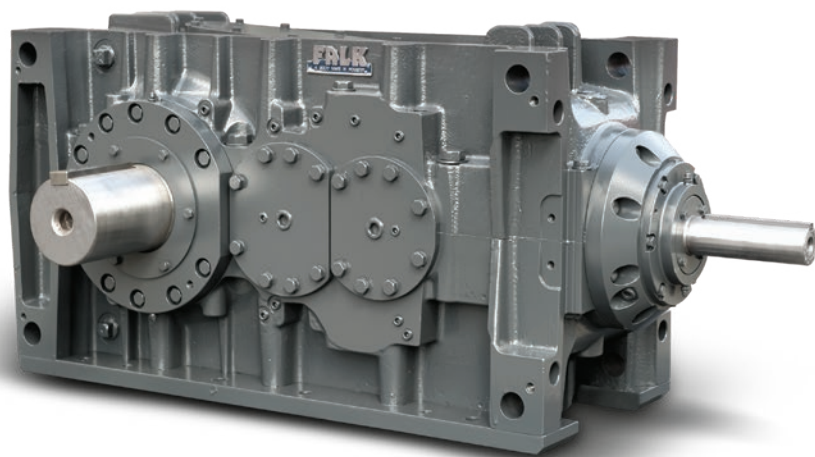




Falk V-Class™ Gear Drives

REDEFINING RELIABILITY



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™ gear drive will handle your most rigorous production needs.

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

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 operation
- Proven heat-resistant Viton™* and nitrile lip seals last longer
- Steel shims ensure bearing settings are maintained for long life

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

Quiet drive train for noise-sensitive areas

- Noise reduction helps enhance 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

* Viton is believed to be the trademark and/or trade name of The Chemours Company, FC, LLC, and is not owned or controlled by Regal Rexnord Corporation or its affiliates.

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.

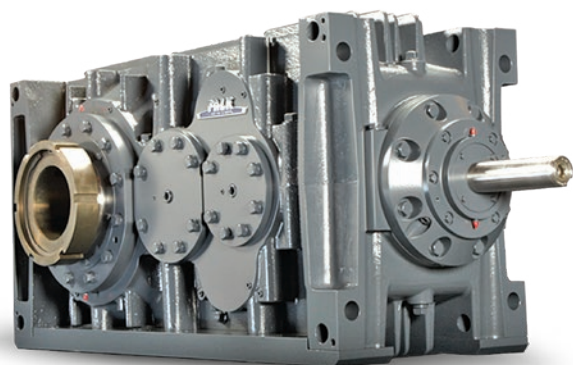
Superior thermal performance

Cooler thermal performance assists in extended operating life. Cooler running oil increases film thickness, durability and reliability. An 18° Fahrenheit (F) (10° Celsius) 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.

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	Parallel Shaft	Single Reduction 1.25 – 5.0
		Double Reduction 5.0 – 28.0
		Triple Reduction 28.0 – 160.0
	Right Angle	Double Reduction 6.3 – 12.5
Triple Reduction 2.5 – 125.0		
		Quadruple Reduction 140 – 710



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.



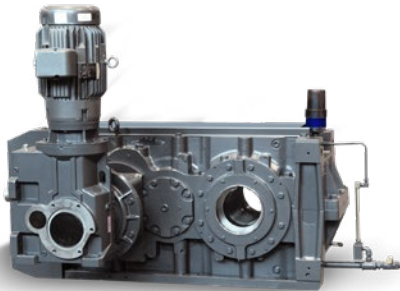
Accessory Options

DuraPlate™ Cooling System



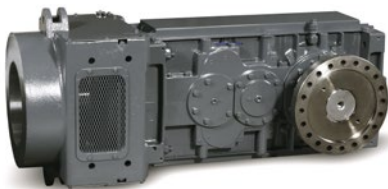
- Integral, self-contained system simplifies installation and minimizes risk of damage
- Powered by shaft-driven pump and fan for high reliability; no need for additional motors
- Requires no electricity, saving time and enabling easy installation
- Requires no cooling water, simplifying installation 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

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

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.

FALK™

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The proper selection and application of products and components, including assuring that the product is safe for its intended use, are the responsibility of the customer. To view our Application Considerations, please visit <https://www.regalrexnord.com/Application-Considerations>.

To view our Standard Terms and Conditions of Sale, please visit <https://www.regalrexnord.com/Terms-and-Conditions-of-Sale>.

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