



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. Our commitment to customer satisfaction and superior value extends to every area of our business.

Delivering Lowest Total Cost of Ownership

The highest quality products are designed to help prevent equipment downtime, increase productivity and deliver 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

Our commitment to operational excellence means you benefit from getting the right products to the right place at the right time.

Why Choose Falk V-Class Gear Drives for Extra-Large Conveyor Applications?

Shocking Durability

The heavy-duty ductile iron housing withstands shock loads better, because ductile iron is able to undergo elastic deformation, absorbing the stresses that cause brittle materials like grey iron to break. Ductile iron has over 2.4 times the tensile strength of cast iron and 40,000 psi of yield strength, allowing it to deform and return to its original shape, providing better resistance to cracking.

Higher Capacity with More Torque Density

Optimized bevel and helical tooth forms deliver smooth torque transmission by ensuring full contact under load, maximizing load carrying capacity and minimizing contact pressure.

Horizontal Symmetrically Split Housing

The horizontally split housing allows for easy disassembly and assembly for maintenance of bearings and gears without removing the reducer. The split, being symmetrical, also potentially reduces the need for spares inventory when both right-hand and left-hand drive systems are used.

Thermally Optimized to Reduce Oil Temperature

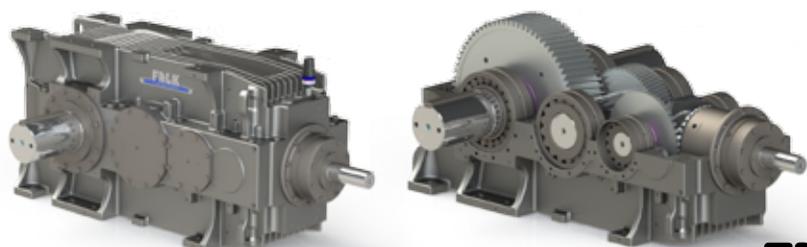
Housing design is contoured to maximize heat exchange from convective and forced air flow. Cooling fins increase surface area available to air flow. Proprietary oil feed passages in the housing improve lubrication and further enhance cooling performance.

DuraPlate Integral, Self-Contained Cooling System

For applications requiring additional thermal capacity, the DuraPlate™ system simplifies installation and minimizes risk of handling damage. DuraPlate is powered by a shaft-driven pump and fan for high reliability, with no need for additional motors. The stainless steel design prevents corrosion and provides superior durability. The DuraPlate system requires no electricity and no cooling water, simplifying installation and conserving resources.

Reliable Components for Long-Term Operation

Magnum seals have an exclusive no-leak design with a purgeable grease chamber and a contact seal to eliminate oil leaks while keeping dirt out of the unit. Ductile iron housing includes pre-cast locations for bearing temperature and vibration monitoring. Bearings are flushed and cooled continuously by a flow of oil directed to the bearings through a system of oil catchers, oil troughs and oil passages. Oil dams for the bearings are used to prevent dry starts.





Falk V-Class Gear Drives for Extra-Large Conveyors (>3M lb-in)

- 3M lb-in to 8M lb-in (340 kNm to 900 kNm) torque
- Reduction ratios:
 - Parallel (VP2 and VP3) from 5:1 to 160:1
 - Right-Angle (VR3 and VR4) from 12.5:1 to 710:1
- Flexible mounting options: swing base, alignment free, base plate
- Solid low speed shafts
- Internal backstop
- Shaft fan, electric fan, DuraPlate, and conventional oil-to-air cooling options
- Low-speed MCF rigid flange coupling
- Three-year, heavy-duty warranty

Process & Motion Control Products & Solutions For Your Business

- Bearing
- Coupling
- Gear
- Industrial Chain
- Conveying Equipment
- FlatTop
- Product Services

Built Tough for the Mining Industry

Falk V-Class™ Gear Drives are built with the mining industry in mind.

