



www.sumitomodrive.com/mixerdrives

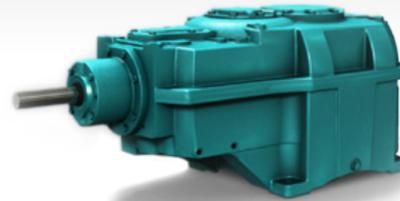


Mixer Drives

Reliability

Our Applications Engineering team can help you select the correct reducer to achieve maximum reliability.

Choosing the correct speed reducer for your mixing application is the key to preventing premature failure and excessive cost. Our Application Engineers, with over 50 years of combined experience, are committed to providing exceptional support to help you select the right mixer drive for your operation. Our team has access to a global network of advanced engineering tools and databases to create detailed reports covering critical aspects of our speed reducers. Reports are available upon request.



Hansen P4 Mixer Drive

Strength in One

Sumitomo Drive Technologies

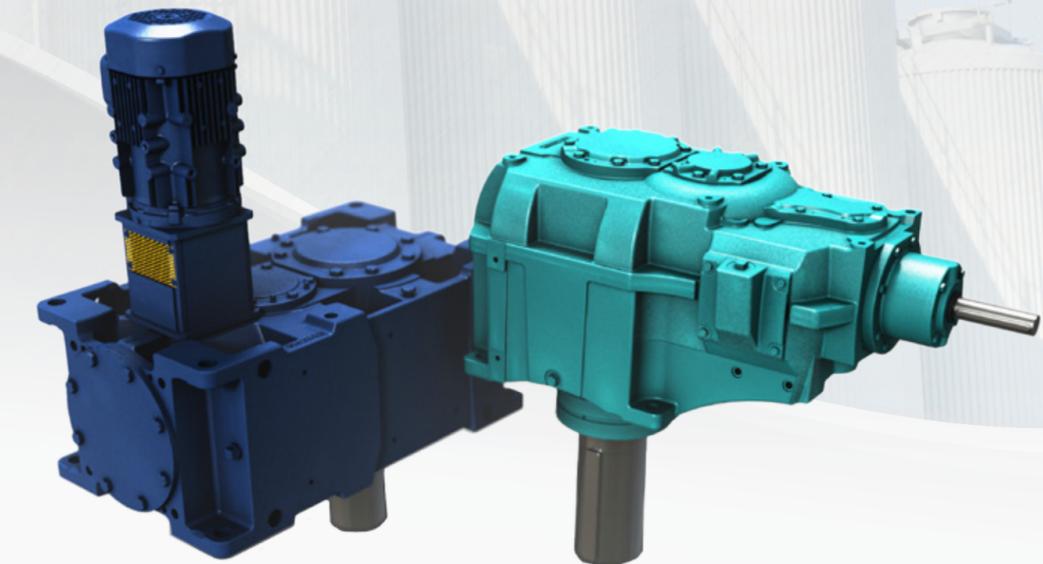
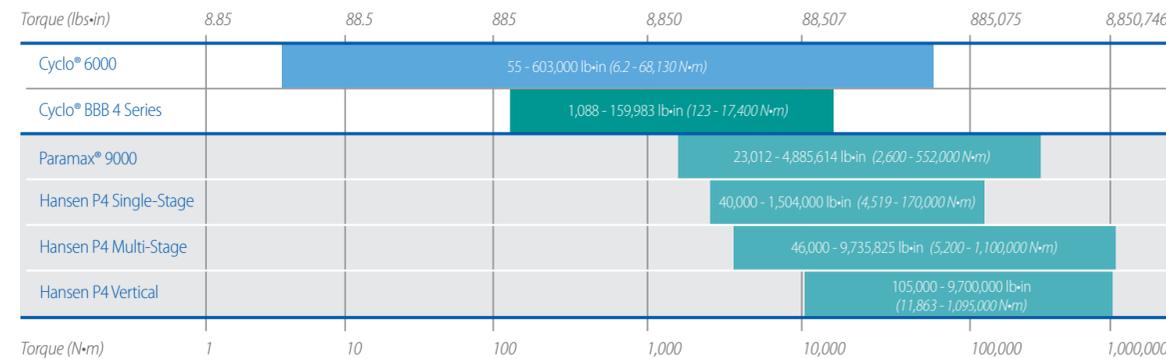
Sumitomo, Hansen and Seisa. Three companies, one global power transmission solutions provider. Sumitomo Drive Technologies has facilities strategically located throughout the world, providing comprehensive products and services in your region.



Hansen P4
 Paramax® 9000
 CYCLO® 6000
 BBB 4

Torque Range

From small applications to large scale manufacturing, Sumitomo gearboxes have the power to cover a wide range of industrial uses. Sumitomo features the Hansen P4, Paramax® 9000, BBB4, and CYCLO® 6000, spanning various applications from light to heavy duty.



Sumitomo Machinery Corporation of America
www.sumitomodrive.com

For worldwide locations, please visit www.sumitomodrive.com/worldwide
 Contact your local representative at www.sumitomodrive.com/representative
 Tel: 1-800-SM-CYCLO (762-9256)

Mixer Drives

Complete, robust, and powerful mixing solutions

Mixer drives are frequently considered the heart of production facilities. Operating under extreme conditions, the drives must perform continuously and reliably so that industries can realize their target production goals. Since unit downtime can have consequences on plant profitability far in excess of the original equipment cost, investing in high quality components is critical. Sumitomo Machinery Corporation of America offers complete and reliable mixer drive package solutions. The Hansen P4 Vertical Mixer Drive, Paramax® 9000 Series, Cyclo® 6000 and BBB4 are leading product lines, with thousands of drives installed worldwide.

MID TO MAX TORQUE

Hansen P4

Mixer Drive

Maximum torque

The Hansen P4 offers high radial and axial load carrying capabilities, with a dedicated vertical housing. Its exclusive design offers the ability to increase shaft size to handle larger loads without increasing the case size of the unit. The P4 is a highly customizable gearbox with standardized industrial gear units that feature low noise and minimum weight. The split gear housing design also makes the unit easy to service without having to remove the equipment.

The Hansen P4 vertical gearbox is available in 17 different sizes, with up to 9,700,000 lb.in. output torque. It offers two, three, and four stages, and reduction ratios between 6.4:1 and 500:1. The housings are available with a parallel or right-angle shaft configuration, with either a solid or hollow low-speed shaft.

Split Housing

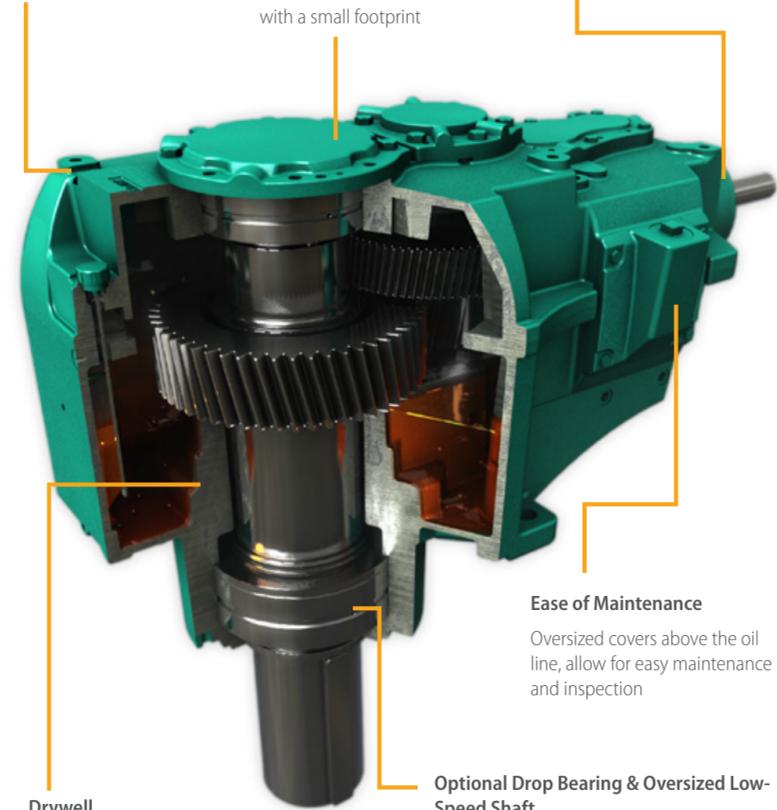
Split case housing with oil levels below the split line, allows equipment to be easily maintained in the field

Dedicated Vertical Housing

Standard increased bearing to handle maximum shaft loads with a small footprint

Standard Motor Adapters

Industry standard motor adapters pre-designed for quick delivery



Ease of Maintenance

Oversized covers above the oil line, allow for easy maintenance and inspection

Optional Drop Bearing & Oversized Low-Speed Shaft

Allows the unit to handle larger overhung loads without increasing the case size, making it more cost effective than the competition

Drywell

Cast in drywell provides a truly leak-proof low-speed shaft



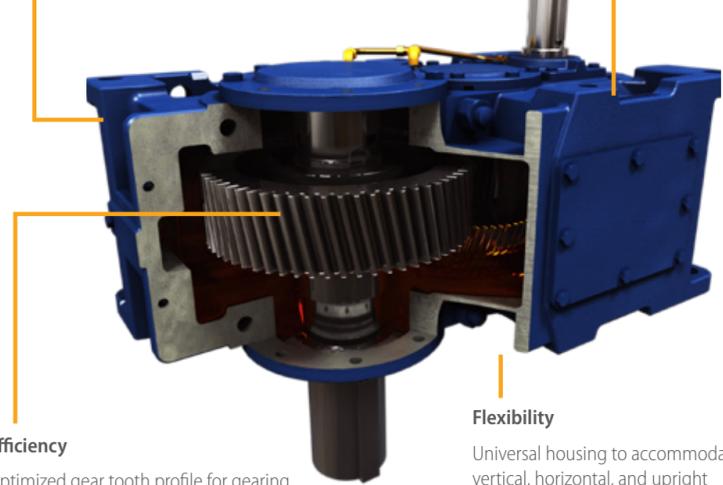
MID TO HIGH TORQUE

Ease of Installation

Modular design allows direct motor mount for right-angle Paramax® drives

Strength

Rugged Cast Iron FEM-designed housing minimizes deflection under load.



Efficiency

Optimized gear tooth profile for gearing accuracy, reduced wear, low noise and cooler operation

Flexibility

Universal housing to accommodate vertical, horizontal, and upright positions

Paramax® 9000

Mixer Drive

Rugged, dependable, and reliable

Built upon seventy years of Sumitomo excellence, Paramax® 9000 vertical mixer drives are some of the largest and most durable power transmission systems operating in the world. The Paramax® 9000 product line features double, triple and quadruple reduction gearboxes, global standardization and 26 frame sizes.



LOW TO MID TORQUE



CYCLO® 6000 Series

Mixer Drive

The revolutionary Cyclo® design is remarkably efficient at all ratios. We offer multiple output flange styles and extended base designs. Oil leaks are eliminated by a combination of dual output seals with seal collars, as well as grease lubrication or shaft driven lubrication pumps. The extremely compact design minimizes space requirements while providing the capability to resist the bending loads inherent to mixing applications.



CYCLO® Bevel BUDDYBOX® 4 Series (BBB4)

Mixer Drive

The power dense Cyclo® Bevel BuddyBox 4 (BBB4) is a robust state-of-the-art, mid-sized family of right-angle gearboxes. Robust tapered output bearings and tandem output seals yield efficient and reliable mixer drives. Cyclo® technology integrated into innovative products generates the most complete range of solutions available.

Applications

Applications

- Slurry mixers
- Digester
- Flotation cell
- Water and wastewater treatment agitators
- Chemical blending



Product Support

Helping you maximize the life of your gearboxes

Sumitomo's Product Support offers scheduled repair services as a one-stop-shop for all your related gearbox needs. For emergency repairs, we offer a 24- to 72-hour turnaround. Please consult your representative for product eligibility.

Sumitomo products are built to last. Our drives are known among industry leaders as some of the finest and longest-lasting products available. Nevertheless, we include a standard warranty with all of our products at no extra cost.

- REPAIRS
- FIELD SERVICES
- ROOT CAUSE INVESTIGATION
- INSPECTION REPORTS
- COMMISSIONING & START-UP SERVICES
- WARRANTY SERVICES



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