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 failures 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.

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, and CYCLO® 6000, spanning various applications from light to heavy duty.

<table>
<thead>
<tr>
<th>Reducer Type</th>
<th>Torque Range (lbs•in)</th>
<th>Torque Range (N•m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hansen P4 Multi-Stage</td>
<td>46,000 - 9,735,825</td>
<td>5,200 - 1,100,000</td>
</tr>
<tr>
<td>Hansen P4 Vertical</td>
<td>105,000 - 9,700,000</td>
<td>11,863 - 1,095,000</td>
</tr>
<tr>
<td>Hansen P4 Single-Stage</td>
<td>40,000 - 1,504,000</td>
<td>4,519 - 170,000</td>
</tr>
<tr>
<td>Paramax® 9000</td>
<td>55 - 603,000</td>
<td>6.2 - 68,130</td>
</tr>
<tr>
<td>CYCLO® 6000</td>
<td>55 - 603,000</td>
<td>6.2 - 68,130</td>
</tr>
<tr>
<td>CYCLO® BBB 4 Series</td>
<td>1,088 - 159,983</td>
<td>123 - 17,400</td>
</tr>
</tbody>
</table>

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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.

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)

Strength in One

Mixer Drives
Hansen P4
Paramax® 9000
CYCLO® 6000
BBB4

www.sumitomodrive.com/mixerdrives

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 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.

**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 affords the ability to monoseal shafts to handle larger shafts without increasing the case size of the unit. The P4 is a highly customizable gearbox with a standardized external gear set that features 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 the ability to increase output torque by using the motor's full speed shaft to handle larger overhung loads without increasing the case size of the unit. The P4 is the perfect gearbox for high output applications that require compactness and efficiency.

**Maximizes efficiency**

The Hansen P4 is highly customizable with a wide range of different output shafts, including split case, right-angle, and two-stage right-angle configurations. The unit is designed to provide maximum efficiency and performance in a variety of applications. The Hansen P4 offers superior performance and durability, making it the perfect choice for high-output applications.

**Minimizes deflection under load**

The Hansen P4 is designed to minimize deflection under load, ensuring that the drive is capable of handling extreme loads without compromising performance. This feature is crucial for high-output applications, where reliability and efficiency are essential. The Hansen P4 is the perfect choice for high-output applications that require a reliable and efficient drive solution.

**Compact design**

The Hansen P4 is designed to be compact and lightweight, making it an ideal choice for applications where space is limited. The unit is designed to be easy to install and service, minimizing downtime and maintenance costs. The Hansen P4 offers superior performance and durability, making it the perfect choice for high-output applications.

**Cyclo® 6000 Series**

**Mixer Drive**

The revolutionary Cyclo® design is remarkably efficient at all ratios. We offer multiple output flange styles and extended claims. Oil leaks are eliminated by a combination of dual output seals with seal collars, as well as ozone lubricator 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® designs are some of the largest and most efficient power transmission systems operating in the world. The Cyclo® 6000 product line features double, triple and quadruple reduction gearboxes, global standardization and 26 frame sizes.

**Cyclo® Bevel BUDDYBOX® 4 Series (BBB4)**

**Mixer Drive**

The power dense Cyclo® Bevel BuddyBox 4 (BBB4) is a robust solution for the mechanical feed of high peak torque drives. Robust tapered output bearings and toothed output shafts yield efficient and reliable mixer drives. Cyclo® technology integrated into innovative products generates the most complete range of solutions available.

**Product Support**

Histing you maximize the life of your gearboxes

Sumitomo's Product Support offers individual major services as a one-stop-shop for all your need products needs. For emergency repair we offer a 72 hour turnaround. Please contact your representative for product availability.

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