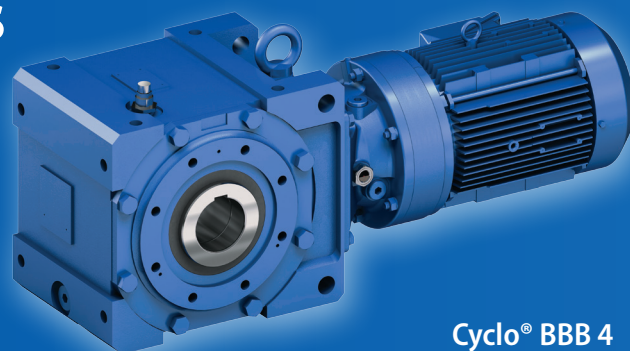


Cyclo® Bevel BuddyBox® 4 Series

*Right Angle Spiral Bevel Speed Reducers
with Cyclo® and Planetary Reducer Inputs*

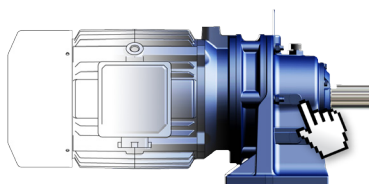
The Cyclo® Bevel BuddyBox® 4 Series (Cyclo® BBB4) built by Sumitomo is a **robust, state-of-the-art, mid-sized** family of speed reducers and gearmotors. The Cyclo® BBB4 is a unique combination of features that results in a **highly reliable, efficient and durable gearbox**: the **all-steel internal construction**, **Cyclo® or planetary gear inputs**, and the **ductile iron housing**, provide unmatched ruggedness.



Cyclo® BBB 4

Upgraded from the Cyclo® BBB 3 Series

Product Configurator



Trying to select a drive? Need more technical specifications? Need pricing?

Sumitomo Drive Technologies' online product Configurator streamlines the selection process, enabling you to build our power transmission products for your specific application.

Available 24 hours a day, 7 days a week, registered users quickly receive results that include:

Downloadable 2D and 3D CAD files
Product Literature
Technical Specification Sheet
Product Ratings
Request for Quote*
Quotations*



www.smcyclo.com/Configurator

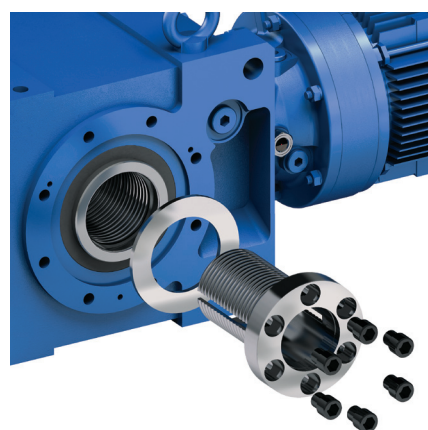
*Not available for all markets

NEW Features for the Cyclo® Bevel BuddyBox® 4 Series

*We've upgraded the rugged Cyclo® BBB 3 Series, with **new features and options** in ductile iron housings*

- ▶ **Ductile Iron Housing**
New ductile iron housing is twice as strong as cast iron, making it one of the most rugged bevel gearboxes available
- ▶ **Increased Overhung Load Capacity**
Cyclo® BBB4 has over 375% higher overhung load capacity than previous models
- ▶ **Increased Ratings**
The newly redesigned Cyclo® BBB4 series has been optimized for increased power ratings over the previous generations
- ▶ **New F-Frame Size**
New F Size yields higher torque and can accommodate larger shaft diameters
- ▶ **Additional Ratios**
46 standard and 87 optional new ratios added

Taper-Grip® Bushing



The patented Sumitomo Taper-Grip® bushing system enhances the Cyclo® BBB4 value by offering a simple shaft-mounting device that provides self-aligning, backlash-free torque transmission to the driven shaft.

The unique design provides easy unit mounting and removal from the driven shaft, and resistance to fretting and corrosion. Multiple stock bore sizes available for quick delivery.

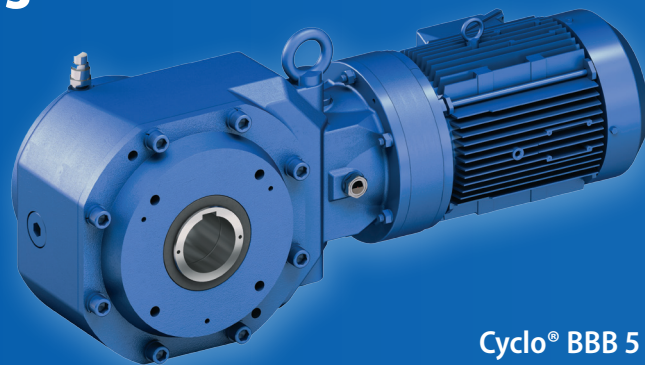
Additional Input & Output Options

- Shrink Disc
- Keyed Hollow Shaft
- Solid Shaft
- Integral Motor
- Quill Adapter
- C-Face Adapter

Cyclo® Bevel BuddyBox® 5 Series

*Right Angle Spiral Bevel Speed Reducers
with Cyclo® and Planetary Reducer Inputs*

The all-new Cyclo® Bevel BuddyBox® 5 Series (Cyclo® BBB5) built by Sumitomo is a **highly efficient, state-of-the-art, compact** series of speed reducers and gearmotors. The **all-steel internal construction, Cyclo® or planetary gear inputs, and space-saving housing design**, make the Cyclo® BBB5 unmatched in reliability, efficiency and durability.



Cyclo® BBB 5

Optimized for shaft mounted applications

NEW Cyclo® Bevel BuddyBox® 5 Series

► New Product Design

The compact Cyclo® BBB5 features a smooth, cast iron housing design, and is optimized for shaft-mount applications, long life and easy maintenance

► No Thermal Limitations

The Cyclo® BBB5 series runs cooler and lasts longer than typical right-angle shaft gearmotors

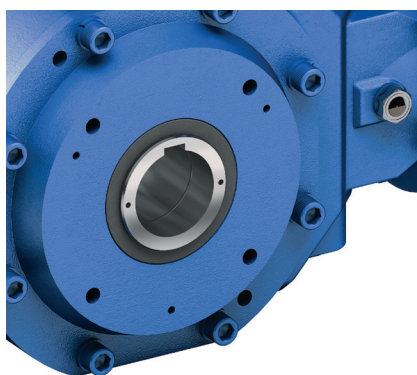
► High Efficiency

The Cyclo® BBB5 utilizes high performance steel spiral bevel gearing that delivers up to 94% efficiency across entire product range

► New Lightweight Design

New Z Size features a small, light-weight aluminum die-cast housing, making it the ideal upgrade from typical worm gear drives

NEW Shaft Mount Design



The all-new Cyclo® BBB5 series of right angle gearmotors and speed reducers is optimized for shaft mounted applications.

This drive arrangement saves spaces, reduces structural costs, and significantly increases energy efficiencies.

Additional Input & Output Options

- Shrink Disc
- Integral Motor
- Keyed Hollow Shaft
- Quill Adapter
- C-Face Adapter

What is Cyclo® Technology?

Sumitomo's unique Cyclo® technology offers **quiet, efficient and reliable operation** with high torque density and compact size:

Cycloidal "Gearless" Speed Reduction

Torque transmitting parts roll, rather than grind, providing quiet, efficient and reliable performance

Superior Materials

52100 bearing grade steel rotating components, hardened to 58 Rockwell C for unmatched durability and reliability

Long Life and High Shock Load Capacity

The Cyclo® input has two-thirds of its reduction components in contact at all times, resulting in exceptionally rugged, shock resistant performance

