Sumitomo Screw Conveyor Drive Options

Screw conveyor options in right angle and offset parallel designs

**Cyclo® Bevel Buddybox (BBB) 4 Series**
A right-angle option for screw conveyor drives allows for maximum mounting flexibility. Our smaller size (3A100 - 3B125) Cyclo® BBB4 Screw Conveyor Drives as standard require limited maintenance, with available “no maintenance” options. Quill input and standard C-Face designs are also available. There are also no V-belt drives or associated guards to maintain, replace or cause safety hazards. *

<table>
<thead>
<tr>
<th>Power</th>
<th>1/8 to 60 HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ratio</td>
<td>11:1 to 26,000:1 (and greater)</td>
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**Cyclo® Helical Buddybox (HBB)**
Utilizing the Cyclo reducer mechanism in an offset-parallel design--Sumitomo offers screw conveyor options with C-Face designs. Smaller sizes (Z6090 - B6125) as standard require limited maintenance, with available “no maintenance” options. There are also no V-belt drives or associated guards to maintain, replace or cause safety hazards. *

<table>
<thead>
<tr>
<th>Power</th>
<th>1/8 to 40 HP</th>
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<tbody>
<tr>
<td>Ratio</td>
<td>11:1 to 26,000:1 (and greater)</td>
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**Helical Shaft Mount (HSM)**
Screw Conveyor Drive Option available for sizes 107 through 407. Mounts to standard reducer--no modifications required. Other output features are also available. *

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<tr>
<th>Power</th>
<th>1/4 to 100 HP</th>
</tr>
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<tbody>
<tr>
<td>Ratio</td>
<td>5:1 to 25:1</td>
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* All Screw Conveyor Packages consist of an adapter kit and a screw conveyor drive shaft that meets CEMA dimensions.

Sumitomo is a member of CEMA
(Convoyer Equipment Manufacturers Association)
Features & Benefits

- 25° gear pressure angle on HSM
  ~ For higher ratings and maximum torque

- Cycloidal speed reduction technology for Cyclo® BBB4 and Cyclo® HBB
  ~ High torque density and compact size

- CEMA standard screw conveyor options
  ~ Screw Conveyor Kits available for Cyclo® BBB4, Cyclo® HBB and HSM products

- Double output seals for Cyclo® BBB4 and Cyclo® HBB
  ~ Virtually leak-free operation and optimal protection from lubrication contamination

Screw Conveyor Applications

From Top Left (Clockwise): Cyclo® BBB4 in Grain Handling, HSM in Food Processing, Cyclo® HBB in Wastewater Handling and Cyclo® BBB4 in Petfood Processing.

Screw Conveyor Options are Ideal for:

- Forestry
- Wastewater Treatment
- Animal and Pet Feed
- Grain Handling
- Food & Beverage
- Mining