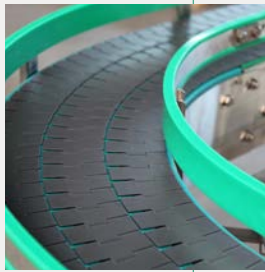
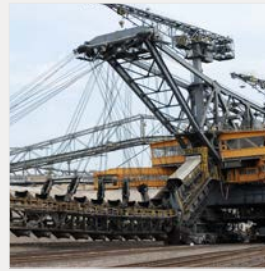


# Product Overview Helical Gear Drive Solutions



### Helical-Gear Motor Series BG



Compact and economical inline helical-gear motors designed to operate with minimal maintenance.

- Motor power from 0.04 HP to 100 HP
- 13 gearbox sizes for torques from 175 lbf-in Nm to 160,000 lbf-in
- New attachment possibilities with low design height
- High efficiency through 2 stage base design
- Enclosure IP 65 as standard
- Service friendly built-on brake

### Shaft-Mounted Gear Motor Series BF



Shaft-mounted gear motors with integrated torque arm are easily integrated and economically applied.

- Gearbox housing with integral torque arm
- Motor power from 0.04 HP to 100 HP
- 10 gearbox sizes for torques from 795 lbf-in to 160,000 lbf-in
- High efficiency through 2 stage base design
- Enclosure IP 65 as standard
- Service friendly built-on brake

### Helical Bevel-Gear Motor Series BK



Power-dense, right-angle, bevel-gear motors ensure the highest efficiency especially when used with frequency inverters.

- The right angle gearbox with universal attachment possibilities
- Motor power from 0.04 HP to 100 HP
- 10 gearbox sizes for torques from 705 lbf-in to 160,000 lbf-in
- High efficiency through 2 stage base design
- Enclosure IP 65 as standard
- Service friendly built-on brake

### AsepticDrive™



Gear motors for the food & beverage industry as well as for all applications with high cleaning intensity or ambient conditions such as dust, fluff etc.

- Motor without fan and cooling fins
- Motor power  
DA08 .49 HP - 2.01 HP  
DA09 .33 HP - .73 HP  
DA11 1.47 HP - 2.94 HP
- Available with helical, parallel shaft, bevel and worm gears
- Motor winding in ISO Class F with thermistors as standard
- Enclosure IP 67 and IP 69K with acid and alkali resistant coating as standard
- Motor connection through standard stainless steel plug connector

### CleanConnect®



Specially developed for the requirements of the beverage industry: Enclosure IP 67, gold coated contacts and smooth surface for a reliable current and signal transmission in wet environments.

- Cleaning friendly and detergent resistive surface
- Standardized M25 threaded connection
- Connectable without tools, coded for foolproof connection
- EMC conform due to shielding connection
- Available with straight or angular connection

### Competitive Displacement Helical Gear Drives



### 2000 Series is a New Helical-Bevel product family from Boston Gear and Bauer Gear Motor

Design driven by a Voice of Customer study which resulted in prioritization of:

- Improving performance and efficiency
- Extending life and reducing maintenance
- Expanding flexibility of user interfaces
- Maximizing customer value
- Dimensional drop-in for SEW Eurodrive

## Helical Worm-Gear Motor Series BS



Economical, right-angle, worm-gear motors install easily in the tightest applications.

- Motor power from 0.04 HP to 7.37 HP
- 8 gearbox sizes for torques from 220 lbf-in to 8,850 lbf-in
- Hollow shaft version available from 220 lbf-in
- High loadable worm gearing for long lifetime
- Enclosure IP 65 as standard
- Service friendly optional brake

## Overhead Monorail Gear Motor Series BM



A completely new range of monorail drives for light and heavy load monorail applications.

- Torques from 265 lbf-in up to 6020 lbf-in
- Radial force up to 1.45 lbf-in
- Flexible mounting on the running gear
- Enclosure IP 65 as standard
- Improved efficiency – lower energy consumption – ideal as traveling drives
- Reverse motion of the gearbox is possible

## Frequency Converter Gear Motor Series Eta-K



Eta-K solutions are combinations of gear motors and frequency converters. They provide compact drive solutions with infinite speed control.

- Saving space and money
- No shielded motor cables required
- Mechatronic adaption of VLT drive and gear motor
- Motor power range 0.16 HP up to 10.05 HP
- Supply voltage 3 x 380 V - 480 V
- Compliance with all EMC standards
- Standard RS485-Interface, optional Profibus-Interface
- ⚠ Zone 2 and 22 possible
- UL approved

### Direct Drop-in Convenience

- Dimensionally interchangeable with industry standard envelope and mounting dimensions including SEW KA Series
- Responsive & Reliable Lead-times
- C-Face or integral gear motor designs to meet customer needs

### Enhanced Product Performance

- Higher rated output torque capacity than leading competitors (~10% higher on average)
- Larger motor HP capability
- Higher power density in the same size package

### Quick Installation

- Mounting register surfaces for quick alignment
- Keyless Tapered Bushing design enables more secure fit with end user's driven shaft while greatly reducing fretting corrosion

### Easy to Maintain

- Larger diameter fill & drain plugs for quick oil changes
- Rounded exterior to prevent particle accumulation and better withstand wash-down

### Custom Product Design Flexibility

- Expanded hollow bore options and multiple output shaft diameters

### Longer Lifecycle Enables Lower Cost of Ownership

- Increased rated torque performance translates to an exponential increase in product life when used under the same operating conditions
- Magnetic filtration feature automatically removes wear debris for longer product life

### Voice of Customer Focused

- The evolution & design of 2000 Series was based upon customer feedback & requirements

**Belted Drives and Sheaves**

**TB Wood's**

*Belted Drives*  
Chambersburg, PA - USA  
**1-888-829-6637** – Press #5  
*For application assistance:*  
1-888-829-6637 – Press #7

**Couplings**

**Ameridrives Couplings**

*Mill Spindles, Ameriflex, Ameridisc*  
Erie, PA - USA  
**1-814-480-5000**  
*Gear Couplings*  
San Marcos, TX - USA  
**1-800-458-0887**

**Ameridrives Power Transmission**

*Universal Joints, Drive Shafts, Mill Gear Couplings*  
Green Bay, WI - USA  
**1-920-593-2444**

**Bibby Turboflex**

*Disc, Gear, Grid Couplings, Overload Clutches*  
Dewsbury, England  
**+44 (0) 1924 460801**  
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**+27(0) 11 918 4270**

**Guardian Couplings**

*Engineered Flywheel Couplings, Engine Housings and Pump Mounts, Flexible Shaft Couplings*  
Michigan City, IN - USA  
**1-219-874-5248**

**Huco Dynatorx**

*Precision Couplings and Air Motors*  
Hertford, England  
**+44 (0) 1992 501900**  
Chambersburg, PA - USA  
**1-888-829-6637**

**Couplings Cont.**

**Lamiflex Couplings**

*Flexible Couplings, Bearing Isolators, and Coupling Guards*  
Cotia, SP - Brasil  
**+55 (11) 4615-6300**

**TB Wood's**

*Elastomeric Couplings*  
Chambersburg, PA - USA  
**1-888-829-6637** – Press #5  
*For application assistance:*  
1-888-829-6637 – Press #7  
*General Purpose Disc Couplings*  
San Marcos, TX - USA  
**1-888-449-9439**

**Electromagnetic Clutches and Brakes**

**Inertia Dynamics**

*Spring Set Brakes; Power On and Wrap Spring Clutch/Brakes*  
New Hartford, CT - USA  
**1-800-800-6445**

**Matrix International**

*Electromagnetic Clutches and Brakes, Pressure Operated Clutches and Brakes*  
Brechtin, Scotland  
**+44 (0) 1356 602000**  
New Hartford, CT - USA  
**1-800-825-6544**

**Warner Electric**

*Electromagnetic Clutches and Brakes*  
New Hartford, CT - USA  
**1-800-825-6544**  
*For application assistance:*  
1-800-825-9050  
Saint Barthélemy d'Anjou, France  
**+33 (0)2 41 21 24 24**  
*Precision Electric Coils and Electromagnetic Clutches and Brakes*  
Columbia City, IN - USA  
**1-260-244-6183**

**Engineered Bearing Assemblies**

**Kilian Manufacturing**

*Engineered Bearing Assemblies*  
Syracuse, NY - USA  
**1-315-432-0700**

**Gearing**

**Bauer Gear Motor**

*Geared Motors*  
Esslingen, Germany  
**+49 (711) 3518-0**  
Somerset, NJ - USA  
**1-732-469-8770**

**Boston Gear**

*Enclosed and Open Gearing, Electrical and Mechanical P.T. Components*  
Charlotte, NC - USA  
**1-800-825-6544**  
*For application assistance:*  
1-800-816-5608

**Nuttall Gear and Delroyd Worm Gear**

*Worm Gear and Helical Speed Reducers*  
Niagara Falls, NY - USA  
**1-716-298-4100**

**Heavy Duty Clutches and Brakes**

**Industrial Clutch**

*Pneumatic and Oil Immersed Clutches and Brakes*  
Waukesha, WI - USA  
**1-262-547-3357**

**Svendborg Brakes**

*Industrial Brakes and Brake Systems*  
Vejstrup, Denmark  
**+45 63 255 255**

**Twiflex Limited**

*Caliper Brakes and Thrusters*  
Wichita Falls, TX - USA  
**1-844-723-3483**  
Twickenham, England  
**+44 (0) 20 8894 1161**

**Heavy Duty Clutches and Brakes Cont.**

**Wichita Clutch**

*Pneumatic Clutches and Brakes*  
Wichita Falls, TX - USA  
**1-800-964-3262**  
Bedford, England  
**+44 (0) 1234 350311**

**Linear Products**

**Warner Linear**

*Linear Actuators*  
Belvidere, IL - USA  
**1-800-825-6544**  
*For application assistance:*  
1-800-825-9050  
Saint Barthélemy d'Anjou, France  
**+33 (0)2 41 21 24 24**

**Overrunning Clutches**

**Formsprag Clutch**

*Overrunning Clutches and Holdbacks*  
Warren, MI - USA  
**1-800-348-0881** – Press #1  
*For application assistance:*  
1-800-348-0881 – Press #2

**Marland Clutch**

*Roller Ramp and Sprag Type Overrunning Clutches and Backstops*  
South Beloit, IL - USA  
**1-800-216-3515**

**Stieber Clutch**

*Overrunning Clutches and Holdbacks*  
Heidelberg, Germany  
**+49 (0) 6221-30470**

For information concerning our sales offices in Asia Pacific check our website [www.altramotion.com.cn](http://www.altramotion.com.cn)



[www.bauergears.com](http://www.bauergears.com)

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701 Carrier Drive  
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