



## SERVICE AND REPAIR

We offer a wide range of repair services and can boast many years experience of repairing demanding and highly critical transmissions in numerous industries. Our repair expertise can be applied to the simplest transmissions through to complex drive arrangements of all makes and types.

In addition to repairing products, we offer a full technical service to identify the root cause of your production problems and recommend the optimum solution. Our expertise will often enable us to offer product upgrades to improve the performance or lifetime of your existing transmissions.

**Benzlers** provides a global resource for delivering high integrity solutions backed by a wealth of technical experience across a broad range of industries. It encompasses geared motors, positioning and complete drive solutions, worm gear units and industrial reducers, designed to combine extraordinary flexibility, rugged reliability and advanced performance.

The combined technical expertise and manufacturing know-how of Benzlers and Radicon, ensures the highest possible standards of product design and performance, ensuring total customer satisfaction.

**benzlers**   
**radicon** 

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**benzlers**   
with you at every turn





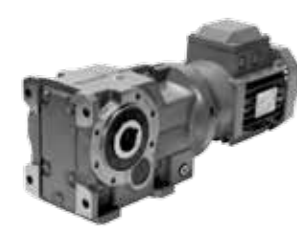
## GEARED MOTORS



### SERIES M IN LINE HELICAL GEARED MOTORS AND REDUCERS

Proven design geared motors with dry connection between motor and gearbox for easy removal of the motor.

**Unit Sizes:**  
01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 13, and 14  
**Input Power:**  
Up to 90kW  
**Output Torque:**  
Up to 11,000Nm  
**Gear Ratios:**  
3.6/1 to 58/1 in two stage, up to 16200/1 in combined form  
**Motor Sizes:**  
IEC Frames from 63 to 280



### SERIES K RIGHT ANGLE HELICAL BEVEL HELICAL GEARED MOTORS AND REDUCERS

Key dimensions throughout the range are interchangeable with many manufacturers allowing easy installation into existing applications.

**Unit Sizes:**  
03, 04, 05, 06, 07, 08, 09, 10, and 12  
**Input Power:**  
Up to 90kW  
**Output Torque:**  
Up to 12,300Nm  
**Gear Ratios:**  
8.0/1 to 160/1 in three stage, up to 35000/1 in combined form  
**Motor Sizes:**  
IEC Frames from 63 to 280



### SERIES C RIGHT ANGLE HELICAL WORM GEARED MOTORS AND REDUCERS

Available with Drywell System for maximum protection against oil contamination on vertical shaft mixing and aerating applications.

**Unit Sizes:**  
03, 04, 05, 06, 07, 08, 09, and 10  
**Input Power:**  
Up to 45kW  
**Output Torque:**  
Up to 10,000Nm  
**Gear Ratios:**  
8.0/1 to 250/1 in two stage, up to 60000/1 in combined form  
**Motor Sizes:**  
IEC Frames from 63 to 225



### SERIES F PARALLEL SHAFT MOUNT HELICAL GEARED MOTORS AND REDUCERS

Available with market leader KIBO tapered bushing system to allow trouble free removal of hollow shaft and gearboxes.

**Unit Sizes:**  
02, 03, 04, 05, 06, 07, 08, 09, 10, 11 and 12  
**Input Power:**  
Up to 110 kw  
**Output Torque:**  
Up to 16,500 Nm  
**Gear Ratios:**  
5.0/1 to 100/1 in 2 stage, up to 5600/1 in combined form  
**Hollow shaft:**  
25 mm to 100 mm  
**Motor Sizes:**  
IEC Frames from 63 to 225

## THROUGH LIFE COSTS

Whether you use drive and linear motion systems in your plant production line, or are a machine builder wishing to offer your customer the most reliable machine possible, we recognise the importance of minimising through-life cost.

A combination of rugged reliability, providing maximum life span and userfriendly design, enabling easy maintenance, ensures that the products we offer are easy to live with, giving you peace of mind and allowing you to focus on the important areas of your day to day business.



## INDUSTRIAL REDUCERS & WORM GEARS



### SERIES G HELICAL PARALLEL SHAFT AND BEVEL HELICAL RIGHT ANGLE DRIVE GEAR UNITS

Incorporating 3 stage high integrity sealing, split gear case design for easy maintenance.

**Unit Sizes:**  
14, 15, 16, 17, 18, 19, 21, 22  
**Input Power:**  
Up to 1,500kW  
**Output Torque:**  
Up to 162,000Nm  
**Gear Ratios:**  
6.3/1 to 315/1/1 in multistage, up to 70000/1 in combined form  
**Output Shaft:**  
Up to 240mm diameter  
**Motor Sizes:**  
IEC Frames from 200 to 315



### SERIES J HELICAL SHAFT MOUNT SPEED REDUCERS

Available with unique KIBO® tapered bushing system to allow trouble free removal of hollow shaft gearboxes.

**Unit Sizes:**  
11/12, 21/22, 31/32, 51/52, 71/72, 100, 110, 125, 140, 160, 190  
**Input Power:**  
Up to 618kW  
**Output Torque:**  
Up to 57,800Nm  
**Gear Ratios:**  
5:1 to 20:1  
**Hollow shaft:**  
35 to 190mm  
**Motor Sizes:**  
IEC Frames B3 from 90 to 200



### SERIES BS RIGHT ANGLE WORM GEARED MOTORS AND REDUCERS

Universal compact aluminium housing. Tuftram® coated range with stainless steel hollow shaft available for food grade wash down.

**Unit Sizes:**  
40, 50, 63, 71  
**Input Power:**  
Up to 6.5kW  
**Output Torque:**  
Up to 310Nm  
**Gear Ratios:**  
6.67/1 to 104/1 (without pre-step)  
**Hollow shaft:**  
20 to 35mm  
**Motor Sizes:**  
IEC Frames from 63 to 112



### SERIES A

The Series A Mid Range and Heavy Duty units can be mounted in the worm under, worm over and outputshaft vertical mounting positions and provide a choice of shaft arrangements.

**Unit Sizes:**  
410, 510, 610, 730, 860, 1002, 1252, 1602, 2002, 10, 12, 14, 17, 20,  
**Input Power:**  
Up to 718kW  
**Output Torque:**  
Up to 104,000Nm  
**Gear Ratios:**  
from 5:1 to 70:1 single reduction and 4900/1 in double reduction format  
**Output Shaft:**  
190mm

## CUSTOMISED & SYSTEM SOLUTIONS

We recognise that a standard off the shelf product is not always the best solution for our customers needs. The design principles which we incorporate into our product range enable a high degree of product flexibility, enabling many alternative solutions to be offered.

Our experienced sales and engineering teams are able to provide both complete drive and linear motion system packages as well as a full customisation service, providing a specific product modification to meet your exact needs.

**Atex** - All our products (excluding couplings) can be supplied Atex certified on normal lead times



## MOTION CONTROL & PUMPS



### SERIES BD SCREWJACKS

Supplied as individual products or engineered into complete linear motion packages. Suitable for numerous applications including linear motion, positioning, pressing and load adjustment.

**Unit Sizes:**  
27, 40, 58, 66, 86, 100, 125, 200  
**Load Capacity:**  
1 Kg to 100 tonnes  
**Linear Speed:**  
up to 5m/min Stainless Steel construction available



### ROLOID GEAR PUMPS

Suitable for pumping a wide variety of liquids which have a lubricating property, in applications such as Engines, Compressors, Gearboxes, Rolling Mills, Machine Tools, Process Plant, Pumping Sets and Turbines. HST version specifically designed for screw compressor applications.

**Unit Sizes:**  
9, 7, 6, 5, 4, 3, 2.5, 2, 1.5  
**Flow Rate:**  
up to 2500 litres/min



### SERIES X COUPLINGS

A comprehensive range of shaft couplings, incorporating, gear type, Cone Ring pin and bush type, Nylon and mechanical torque limiting type, allowing both parallel offset and angular misalignment, virtually maintenance free, offering excellent durability and machinery protection.

**Unit Sizes:**  
Accommodating shaft size up to 540mm dia.  
**Load Capacity:**  
Up to 1,100,000Nm

\* Not available Atex certified

## APPLICATION EXPERTISE AT YOUR SERVICE

An unrivalled depth of customer application expertise stretching back over 150 years enables us to provide the optimum solution for your drive requirements. Our team of Application Engineers are available to review your needs, understand your problems and recommend the best possible drive or linear system solution to maximise the operation of your equipment and minimise the through life cost.