



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.

radicon 
with you at every turn

Radicon 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.

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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 121 HP
Output Torque: Up to 97,000 lb.In
Gear Ratios: 3.6/1 to 58/1 in two stage, upto 16200/1 in combined form
Motor Sizes: IEC Frames from 56C to 405TC

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 121 HP
Output Torque: Up to 109,000 lb.In
Gear Ratios: 8.0/1 to 160/1 in three stage, up to 35000/1 in combined form
Motor Sizes: IEC Frames from 56C to 405TC

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 60 HP
Output Torque: Up to 89,000 lb.In
Gear Ratios: 8.0/1 to 250/1 in two stage, up to 60000/1 in combined form
Motor Sizes: IEC Frames from 56C to 326TC

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 148 HP
Output Torque: Up to 146,000 lb.In
Gear Ratios: 5.0/1 to 100/1 in 2 stage, up to 5600/1 in combined form
Hollow shaft: 1.0" to 4"
Motor Sizes: IEC Frames from 56C to 326TC

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 2,012 HP
Output Torque: Up to 1,433,000 lb.In
Gear Ratios: 6.3/1 to 315/1/1 in multistage, up to 70000/1 in combined form
Output Shaft: Up to 9.5" diameter
Motor Sizes: IEC Frames from 254TC to 405TC

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 829 HP
Output Torque: Up to 511,000 lb.In
Gear Ratios: 5:1 to 20:1
Hollow shaft: 1.4" to 7.5"

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 9 HP
Output Torque: Up to 2750 lb.In
Gear Ratios: 6.67/1 to 104/1 (without pre-step)
Hollow shaft: 0.75" to 1.5"

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 759 HP
Output Torque: Up to 425,000 lb.In
Gear Ratios: from 5:1 to 70:1 single reduction and 4900/1 in double reduction format
Output Shaft: 5.5"

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: 2 lb to 110 st
Linear Speed: up to 16"/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 600 USg/min

SERIES X COUPLINGS

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

Unit Sizes: Accommodating shaft size up to 22" dia.
Load Capacity: Up to 9,735,000 lb.In

* Not available Atex certified

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.

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 can be supplied Atex certified on normal lead times *

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.