



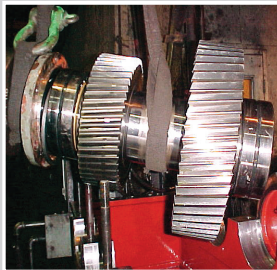
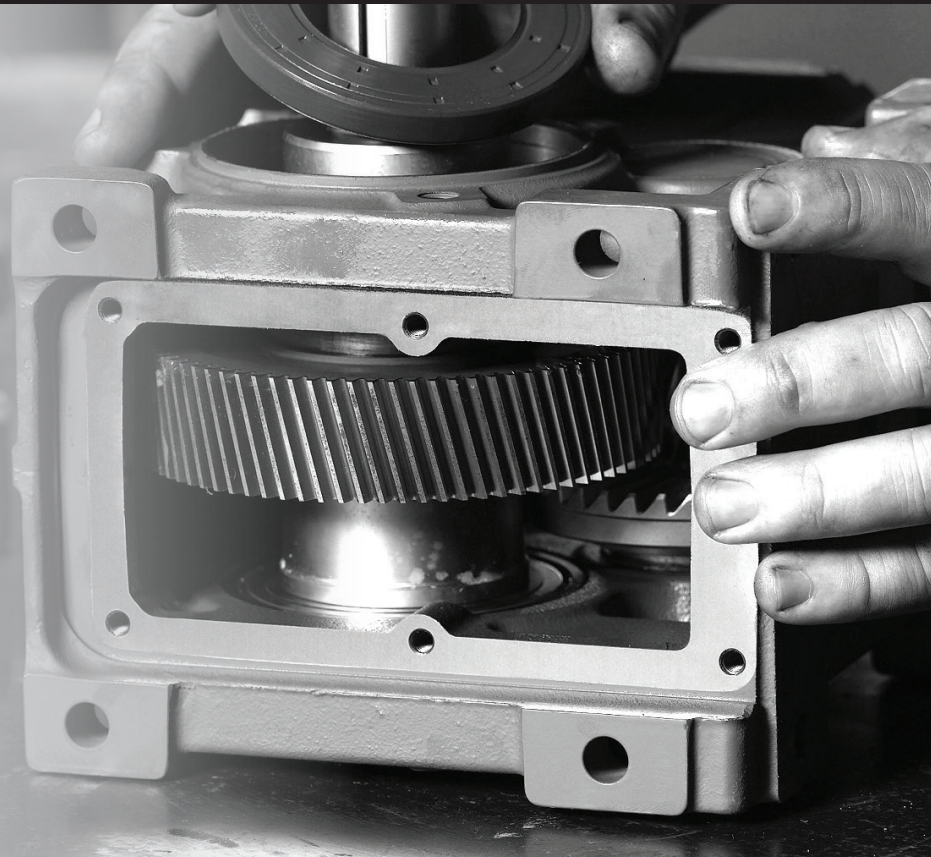
GEARBOX REPAIR SERVICES



BEFORE



AFTER



The Gearbox Repair Shop at IBT's Tech Center turns old, worn, broken and non-functional gear reducers into units that are as good as new. IBT's technicians disassemble the old box completely, determine which parts and pieces need to be replaced, estimate both the costs of repair and replacement, and provide this information so the customer can decide.

The technicians also examine the old unit to determine the cause of its failure – which may prevent future recurrences of the same problem. IBT will obtain any needed new parts and clean the old units inside and out. IBT then reassembles, lubricates, tests the boxes, and paints the casings. If needed, we can also replace sprockets, couplings, sheaves and motors.

▲ REPAIR AND REBUILD SERVICES

Component inspection and troubleshooting, teardown and rebuild, shaft accessory removal/replacement, waste oil disposal, presswork, etc.

▲ PREDICTIVE AND PREVENTATIVE MAINTENANCE

Avoid catastrophic failure and costly downtime through regular maintenance.

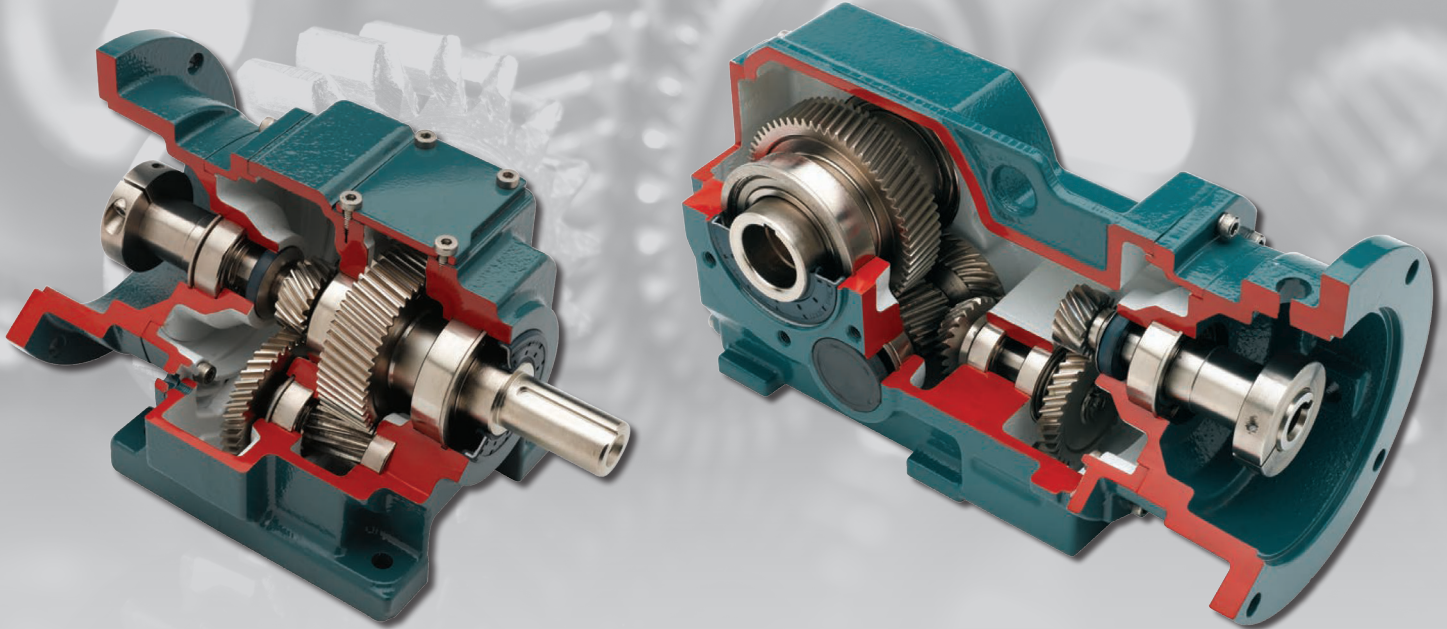
▲ SERVICE ON ALL MAKES AND MODELS

Alling-Landers, Baldor, Bison, Bonfiglioli Riduttori, Boston, Browning, Cleveland Gear, Cone Drive, Curtis, Dalton, Diequa Corp, Dodge, Doris, Durst, Electr Gear, Flender, Falk, Foote Jones, Grove, Hansen, Horsburg & Scott, Hub City, IPTS, Leeson, Lenze, Lufkin, Master PT, Morse, Motovario, Nord, Nutall, Ohio Gear, Onvio, Peerless-Winsmith, Philadelphia, Rexnord, Rossi, SEW, Shimpo, Siemens, Sterling Stober, Sumitomo, Superior, Von Ruden, and many more.

If you would like additional information about our gear shop products and services, or if you would like to place an order, contact your local IBT Branch Service Center or call IBT at 1-800-332-2114.



QUANTIS/IBT BUILD PROGRAM



IBT is an authorized assembler of Dodge Quantis In-Line Helical (ILH) and Right Angle Helical (RHB) reducers in four sizes (38 through 88). ILH input configurations include c-face clamp collar motor adapters for input motor flexibility and solid input shafts for v-belt mounting. RHB input configuration includes c-face clamp collar, and output configurations of solid, straight hollow and taper bushed shafts. Quick delivery options include 24 or 48 hour deliveries as required. Our dedicated support staff is experienced and knowledgeable about the QUANTIS ILH & RHB products.

QUANTIS ILH In-Line Helical Ratings

Size	Max Input Power	Max Output Torque	Ratio Range	Motor Adapter	Separate Group
ILH 38	7.2 Hp	1947 in-lb	4.77 - 191.75	56C - 180TC	71 - 100
ILH 48	10.4 Hp	3983 in-lb	4.28 - 208.77	56C - 180TC	71 - 112
ILH 68	26.7 Hp	7081 in-lb	3.49 - 281.01	56C - 210TC	71 - 132
ILH 88	45.5 Hp	14870 in-lb	4.87 - 300.41	56C - 250TC	71 - 160

QUANTIS RHB Right Angle Helical Bevel Ratings

Size	Max Input Power	Max Output Torque	Ratio Range
RHB 38	5.6 Hp	2213 in-lb	5.65 - 49.38
RHB 48	8.7 Hp	3983 in-lb	10.15 - 94.12
RHB 68	10.4 Hp	7258 in-lb	6.44 - 150.88
RHB 88	26.9 Hp	14604 in-lb	5.54 - 302.68

▲ Modular designed gear drives are engineered for flexibility, greater torque density in a compact housing configuration, and increased horsepower capability from 1/4 hp to 75 hp.

▲ Single helical design gearing is ground to provide an ellipsoid tooth form that eliminates tooth wear, and assures meshing in the strongest tooth area. This results in reduced noise and power losses.

▲ All gears are case carburized to ensure high surface durability and resilient tooth core for greater impact resistance and longer service life to reduce unscheduled downtime. Gears are designed to meet DIN-7 standards - approximately equivalent to AGMA 10 - 11. ILH reducers are 98.5% efficient per stage of reduction. RHB reducers are 95% efficient per stage of reduction.

▲ Reducers, gears and bearings are splash lubricated with ISO VG220 mineral oil and are filled prior to shipment. Nitrile rubber input and output lip seals produce less drag and heat, and promote longer life.

▲ Greater output torque ratings, increased horsepower ratings and expanded ratio range may allow to downsize from existing units, resulting in reduced production costs while achieving exact output speeds.