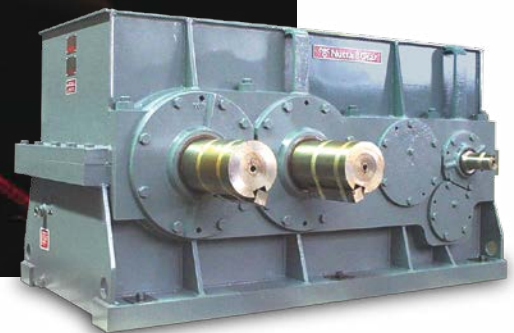


**Custom
Engineered
Gear Drives
for the
Metals
Industry**





Nuttall Gear

Nuttall Gear supplies the metals industry with a wide variety of helical gear drives for its many different applications. Applications include combination reducer/pinion stands, separate pinion stands, pinch roll drives, flattener drives, and single and multi-speed recoilers and uncoilers with a torque capacity of 6,000,000 inch pounds.



OPTIONS INCLUDE:

- Hollow-bored low speed shafts
- Provisions for stripping mechanisms
- Hold-down rolls designed to your requirements
- Pneumatic Shifting
- Forced Lube Systems

We will custom design and manufacture gearboxes for your specific application requirements including drop-in replacements. We combine our extensive application experience and computer assisted design technology to produce reliable enclosed gear drives for all of your ferrous and non-ferrous material processing requirements. Nuttall Gear offers a level of quality service and product that is unsurpassed in the industry.



NUTTALL DELROYD SERVICE DIVISION



The Service Division of Nuttall Gear and Delroyd Worm Gear provides a wide range of services for monitoring, maintaining, rebuilding and repairing your gearbox; both on site and at our facility.

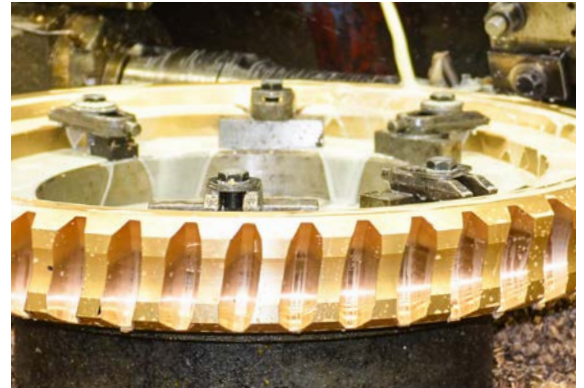
Services include:

- Reverse Engineering
- Gearbox Repair
- Upgrades and Uprates
- Vibration Analysis
- Laser Alignment
- Torque Measurements
- On Site Troubleshooting & Repairs
- Inspection and Failure Analysis
- Training Seminars
- Installation Assistance
- Non-Destructive Testing
- Contracted Maintenance



Delroyd Worm Gear

Delroyd Worm Gear provides the metals industry with vast experience in designing and manufacturing worm gears and worm gear drives with a torque capacity up to 3,400,000 inch pounds. We offer a versatile and reliable product that will provide your company years of trouble free operation through a wide selection of model configurations, housing options, sizes, ratios, and accessories. Delroyd Worm Gear will deliver a proven package that is fully tested and ready to be integrated into your manufacturing process without any worries or surprises.



Applications:

- Pinch Roll Drives
- Pinion Stands
- Single Speed Recoilers & Uncoilers
- Multi-Speed Recoilers & Uncoilers
- Flattener Drives
- Slab Rotation Tables
- Tonnage Cars
- Pumps/Fans/Compressors
- Screwdown Mill Stands
- Crane Hoist Drives for Ladle/Charging/Furnace/Overhead
- High Load Conveyors
- Stackers
- Strainers
- Mixers/Agitation
- Power Generation
- Slitter Drives
- Levellers
- Scrap Choppers
- Accumulator Drives



These services can be provided for gear drives of any manufacturer. As the former Westinghouse Gearing Division, Nuttall Gear is the only authorized repair center for Westinghouse gear drives. We maintain all original drawings and specifications.

Our in-house testing equipment allows us to load test gearboxes up to 500 HP. Every gearbox that is manufactured in our facility in Niagara Falls is tested before it leaves the plant.

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
Boksburg, South Africa
+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 Dynatork

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
Brechin, 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



www.nuttallgear.com

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Niagara Falls, NY 14304 - USA
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