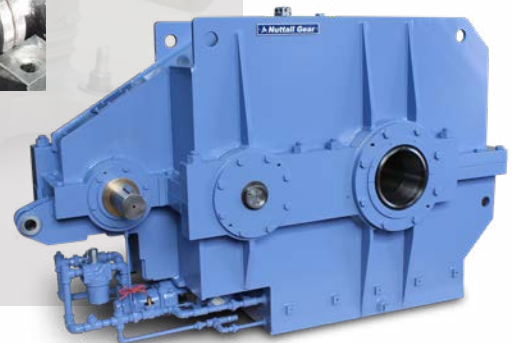
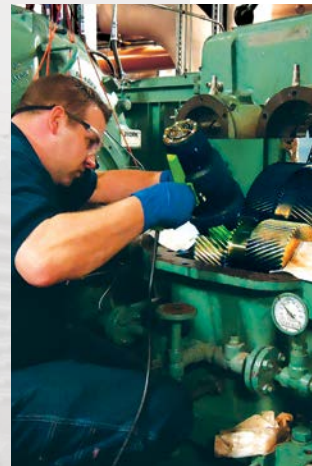
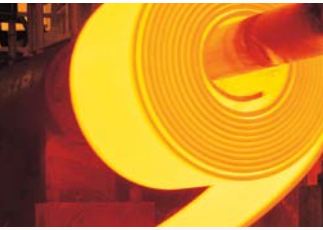


**Nuttall Gear
& Delroyd
Worm Gear
Your Total
Drive Source**





Nuttall Gear and Delroyd Worm Gear

“Your Total Drive Source” is more than a slogan

Nuttall Gear specializes in providing complete packaged helical and worm gear drive assemblies. We can bring your concept to reality and design a custom drive package to meet your specific application by offering a wide selection of model configurations, housing options, sizes, ratios and accessories. Our Total Drive Source includes:

- Complete mechanical and electrical assemblies
- In-house testing to expertly mount, align and couple your reducer and motor
- Engineering expertise to solve any application problem
- Custom helical gear assemblies to 6,000,000 in lb torque capacity
- Custom worm gear assemblies to 3,400,000 in lb torque capacity
- Machining expertise to manufacture any components for your application
- On-site installation, maintenance and warranty support

You can't get this kind of service from any other company!

Improved Delivery

Delroyd is excited to announce its new order-to-delivery for the following products:

- 2" through 12" Standard Catalog Reducers are now available in 4-7 weeks.
- Worm Gear Mixer Drives (P30 - P40 - P50 - P60 - HP40 - HP50 - HP60 Units) are now available in 3 weeks.

The new delivery commitment is the result of capital investment in new machinery and improved manufacturing processes.



Scan to Watch

Delroyd Worm Gear - Improved Delivery

“As we continue to focus on Delroyd by working on our processes, our overall goal is to continue to improve our response to customer demand.”

Michelle Mattice, Lean Manufacturing Manager
www.youtube.com/AltralndMotion

Field Service

The Service Division of Nuttall Gear and Delroyd Worm Gear offers comprehensive and dedicated on-site support designed to keep your rotating machinery in operation. When a gear drive is purchased from us, our commitment to the customer does not stop when the unit leaves our dock. You can rest assured knowing that world-class field service and repairs are only a phone call away. Our extensive experience in gear drive applications, combined with our manufacturing and design capabilities enable us to provide you with a single-source solution for minimizing your downtime and improving your productivity. In addition to our extensive line of products, we can offer cost-effective repair solutions for any manufacturer's gear drive. 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.



Download related improved delivery literature from www.altraliterature.com

P-7560-DWG, P-7561-DWG, P-7630-DWG



Download related field service literature from www.altraliterature.com

P-7010-ND, P-7542-ND

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 Nuttall Gear and Delroyd Worm Gear - Facility Overview Video

“For over 100 years both brands have been innovators in the field of gear engineering and leaders for setting gear standards.”

Cliff Gilbert, General Manager of Nuttall & Delroyd
www.youtube.com/AltralndMotion



Engineering

Delroyd Worm Gear and Nuttall Gear understand each application is different and our custom products are available in almost any configuration with features, ratios, and speeds specialized to your requirements.

Our extensive application and design engineering experience continually produces reliable and cost effective gear drive solutions for many industries globally. Nuttall and Delroyd also have the ability to reverse engineer any manufacturer's gear box or thread forms.

Nuttall Gear has earned a reputation for the design and manufacture of unique, custom engineered gear drives for parallel, right angle or vertical input shaft arrangements. Highlights of our design engineering capabilities include: 3D solid modeling, gear train design and rotor dynamic analysis.



Scan to Watch

Delroyd Worm Gear - Products, Services and Markets Video

"Our biggest attribute is our service. We truly believe in service, service, service and the success of that will bring more success."

Jay DuBell, National Sales Manager
www.youtube.com/AltraIndMotion



Scan to Watch

Nuttall Gear - Bridge Applications for Gearing Video

"We are able to support this market very well by our normal course of business."

John Proven, National Sales Manager
www.youtube.com/AltraIndMotion

Markets and Applications

Nuttall Gear and Delroyd manufacture vertical and horizontal drives, speed reducers, and speed increasers in cast iron or fabricated steel housings. We provide gearboxes for a wide range of markets and applications, including:

- | | |
|------------------------|---------------------------------|
| Steel mills | Conveyor applications |
| Power generation | Paper/wood processing |
| Textile processing | Mixing/agitation |
| Material handling | Recoilers and uncoilers |
| Bridges and locks | Petrochemical refineries |
| Rail transportation | Mining/mineral processing |
| Oil and gas drill rigs | Water/waste water treatment |
| Cement and aggregate | Food/beverage industries |
| Channel dredging | HVAC compressors |
| Elevators and lifts | Crushing/extruding applications |

Bridge Applications for Gearing

Nuttall Gear specializes in custom engineered and manufactured gearboxes for the lift bridge and lock & dam markets. These gearboxes employ the use of through hardened gearing. The machining, hobbing, grinding and heat treatment processes are all done in-house which helps us provide a more cost effective solution. In addition, our upgraded test floor allows us to load test gearboxes up to 500 horsepower. Testing in-house provides advantages both from a turnaround time and cost perspective and every gearbox manufactured at Nuttall Gear is tested at our facility in Niagara Falls, NY before it ships.



Download all bridge related application profiles from www.nuttallgear.com/bridge-applications.asp

P-1934-NG, P-7331-NG, P-7332-NG, P-7517-NG, P-7518-NG, P-7519-NG, P-7634-NG, P-7635-NG, P-7642-NG, P-7700-NG, P-7701-NG, P-8107-NG, P-8108-NG

Nuttall Gear & Delroyd Worm Gear Literature

www.AltraLiterature.com

Altra's Literature Portal is an excellent resource for engineers and technical professionals. The portal contains links to literature available from all Altra brands including catalogs, brochures, line cards, application profiles, magazine articles and service manuals. PDF files of any literature item can be easily downloaded for fast viewing or hard copies of all literature can be ordered by using the integrated "Shopping Cart" application.

Nuttall Gear

Catalogs

P-1970-NG Gear Drives Catalog Speed Reducers, Speed Increaseers, and Gearmotors

Brochures

P-7008-NG Speed Reducers, Speed Increaseers and Gearmotors for Heavy Duty Applications
P-7009-NG Custom Engineered Gear Drives for the Metals Industry
P-7010-ND Repair and Rebuild Services
P-7542-ND Field Services
P-7633-ND Your Total Drive Source
P-8021-NG Gearing Solutions for the Nuclear Power Industry
P-8103-NG Moduline® Inline Speed Reducers

Flyers

P-7674-NG Charging and Safety Injection Pumps
P-8029-NG Lubrication Pump Coupling Upgrade
P-8104-NG Moduline® Inline Speed Reducers

Article Reprints

P-1950-NG Heavy-duty Drives Keep Coal-fired Facilities Running Smoothly
P-7339-NG Large Gearbox Maintenance and Lubrication
P-7340-NG Enclosed Drives for Moveable Bridges Specification Consistency

Innovation Spotlights

P-7757-NG Moveable Bridge Gearboxes
P-7841-NG Mass Transit Propulsion Drives

Application Profiles

P-1934-NG Hamilton Bridge
P-7299-NG Custom Heavy-Duty Gearing for Transit Rail Cars
P-7320-NG Custom Gear Drives for Long Island and Metro-North Railroad Cars
P-7331-NG Custom Heavy-Duty Gear Drives for Arsenal (Government) Bridge
P-7332-NG Custom Heavy-Duty Gear Drives for NJ Department of Transportation Bridge
P-7510-NG Custom Gearboxes for Drilling Rig Drawworks
P-7517-NG Custom Heavy-Duty Speed Reducers for Bascule Lift Bridge
P-7518-NG Custom Heavy-Duty Gear Drives for Bascule Bridge
P-7519-NG Custom Speed Reducers for Swing Bridges
P-7520-NG Heavy-Duty Speed Reducers
P-7540-NG Recoiler Gear Drive Upgrade for Steel Slitting Line
P-7622-NG Custom Pinion Stand Drive for Steel Tube Forming Mill
P-7623-NG Custom Flattener Drive for Steel Processing Line
P-7624-NG Straightener Drive Upgrade for Steel Processing Line
P-7626-NG Custom-Designed Recoiler Gearbox for Steel Pickling Line
P-7634-NG Custom Gear Drives for Vertical Lift Bridge
P-7635-NG Custom-Designed Gear Drives for Swing Bridge
P-7642-NG Custom Reducers for Single Leaf Bascule Lift Bridge
P-7644-C Custom Reducers and Gear Couplings for Folsom Lake Spillway Flood Gates
P-7678-NG Drivetrain Assemblies Blast Furnace Slag Granulator
P-7700-NG Custom Heavy-Duty Speed Reducers for Single-Leaf Bascule Lift Bridge

P-7701-NG Custom Gear Drives Double-Leaf Bascule Bridge
P-7892-NG Steel Slitting Line Recoiler Drive for Onsite Bearing Overhaul
P-7907-NG Pentagon Chiller Plant Speed Increaseers
P-7996-NG Factory Rebuild and Installation Assistance
P-8003-NG Custom Heavy-Duty Gearing
P-8107-NG Nuclear Power Plant Pump Drive
P-8108-NG Drop-In Replacement Speed Increaseer for Nuclear Plant Charging Pump Drive
P-8108-NG Custom Gearbox for Single-Leaf Bascule Bridge
P-8108-NG Custom Gear Drive for Double-Leaf Bascule Bridge

Delroyd Worm Gear

Catalogs

P-7000-DWG Standard Worm Gear Speed Reducers
P-7001-DWG Worm Gear Sets : 2" - 48" Center Distances

Brochures

P-7002-DWG Heavy Duty Worm Gear Products
P-7007-DWG Special Application Speed Reducers
P-7010-ND Repair and Rebuild Services
P-7542-ND Field Services
P-7561-DWG Mixer Drive Units
P-7633-ND Your Total Drive Source

Flyers

P-7003-DWG Special Features
P-7004-DWG Matching your Requirements
P-7005-DWG Drop-In Replacements
P-7006-DWG Worm Gear Speed Reducers
P-7423-DWG Single, Double and Triple Worm Gearing
P-7560-DWG Worm Gear Sets: 2"- 48" Center Distance
P-7630-DWG Mixer Drive Units
P-7630-DWG Heavy Duty Worm Gear Products

Application Profiles

P-7578-DWG Worm Gear Drives for Screwdown Mill Stands
P-7579-DWG Worm Gear Sets for Screwdown Mill Stands
P-7580-DWG Hoist Worm Gear Drives Steel Mill Charging Crane
P-7581-DWG Custom Drivetrain Assembly for Aramid Fiber Polymer Mixer
P-7644-C Custom Reducers and Gear Couplings for Folsom Lake Spillway Flood Gates

Nuttall Gear/Delroyd Worm Gear

Market Folders

P-1717-C Aerospace & Defense Markets
P-1763-C Mining Industry
P-1904-C Nuclear Power Industry
P-1908-C Power Generation Industry
P-1961-C Mining Conveyors, Stackers, and Reclaimers
P-7404-C Metal Producers Market
P-7409-C Wastewater Market
P-7415-C Metal Processing Market
P-7523-C Metal Shredder Market
P-8378-C Vertical Lift Systems
P-8453-C Oil & Gas Market



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