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.

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.

Scan to Watch
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/AltraIndMotion

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/AltraIndMotion

Download related field service literature from www.altraliterature.com
P-7010-ND, P-7542-ND

Download related improved delivery literature from www.altraliterature.com
P-7560-DWG, P-7561-DWG, P-7630-DWG
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.

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

<table>
<thead>
<tr>
<th>Catalogs</th>
<th>Brochures</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-1970-NG: Gear Drives Catalog Speed Reducers, Speed Increasers, and Gearmotors</td>
<td>P-7701-NG: Custom Gear Drives Double-Leaf Bascule Bridge</td>
</tr>
<tr>
<td>P-7008-NG: Speed Reducers, Speed Increasers and Gearmotors for Heavy Duty Applications</td>
<td>P-7892-NG: Steel Sitting Line Recoil Drive for Onsite Bearing Overhaul</td>
</tr>
<tr>
<td>P-7009-NG: Custom Engineered Gear Drives for the Metals Industry</td>
<td>P-7907-NG: Pentagon Chiller Plant Speed Increasers</td>
</tr>
<tr>
<td>P-7010-ND: Repair and Rebuild Services</td>
<td>P-7906-NG: Custom Heavy-Duty Gearing</td>
</tr>
<tr>
<td>P-7542-ND: Field Services</td>
<td>P-8003-NG: Nuclear Power Plant Pump Drive</td>
</tr>
<tr>
<td>P-7633-ND: Your Total Drive Source</td>
<td>P-7807-NG: Drop-In Replacement Speed Increaser for Nuclear Plant Charging Pump Drive</td>
</tr>
<tr>
<td>P-8021-NG: Gearing Solutions for the Nuclear Power Industry</td>
<td>P-8107-NG: Custom Gearbox for Single-Leaf Bascule Bridge</td>
</tr>
<tr>
<td>P-8103-NG: Modular® Inline Speed Reducers</td>
<td>P-8108-NG: Custom Gear Drive for Double-Leaf Bascule Bridge</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Catalogs</th>
<th>Brochures</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-7000-DWG: Worm Gear Speed Reducers</td>
<td>P-7002-DWG: Heavy Duty Worm Gear Products</td>
</tr>
<tr>
<td>P-7001-DWG: Worm Gear Sets : 2&quot; - 48&quot; Center Distances</td>
<td>P-7005-DWG: Special Application Speed Reducers</td>
</tr>
<tr>
<td>P-7006-DWG: W orm Gear Speed Reducers</td>
<td>P-7018-DWG: Repair and Rebuild Services</td>
</tr>
<tr>
<td>P-7423-DWG: Worm Gear Sets : 2&quot; - 48&quot; Center Distance</td>
<td>P-7542-DWG: Field Services</td>
</tr>
<tr>
<td>P-7556-DWG: Mixer Drive Units</td>
<td>P-7631-DWG: Your Total Drive Source</td>
</tr>
<tr>
<td>P-7630-DWG: Heavy Duty Worm Gear Products</td>
<td></td>
</tr>
</tbody>
</table>

### Innovation Spotlights

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

### Application Profiles

- **Hamilton Bridge**: P-1934-NG
- **Custom Heavy-Duty Gearing for Transit Rail Cars**: P-7299-NG
- **Custom Gear Drives for Long Island and Metro-North Railroad Cars**: P-7320-NG
- **Custom Heavy-Duty Gear Drives for Arsenal (Government) Bridge**: P-7331-NG
- **Custom Heavy-Duty Gear Drives for NJ Department of Transportation Bridge**: P-7332-NG
- **Custom Gearboxes for Drilling Rig Drawworks**: P-7510-NG
- **Custom Heavy-Duty Speed Reducers for Bascule Lift Bridge**: P-7511-NG
- **Custom Heavy-Duty Gear Drives for Bascule Bridge**: P-7518-NG
- **Custom Speed Reducers for Swing Bridges**: P-7519-NG
- **Heavy-Duty Speed Reducers**: P-7520-NG
- **Recoil Gear Drive Upgrade for Steel Sitting Line**: P-7540-NG
- **Custom Pinion Stand Drive for Steel Tube Forming Mill**: P-7622-NG
- **Custom Flattener Drive for Steel Processing Line**: P-7623-NG
- **Straightener Drive Upgrade for Steel Processing Line**: P-7624-NG
- **Custom-Designed Recoilor Gearbox for Steel Pickling Line**: P-7625-NG
- **Custom Gear Drives for Vertical Lift Bridge**: P-7634-NG
- **Custom-Designed Gear Drives for Swing Bridge**: P-7635-NG
- **Custom Reducers for Single Leaf Bascule Lift Bridge**: P-7642-NG
- **Custom Reducers and Gear Couplings for Folsom Lake Spillway Flood Gates**: P-7656-C
- **Dreightain Assemblies Blast Furnace Slag Granulator**: P-7678-NG
- **Custom Heavy-Duty Speed Reducers for Single-Leaf Bascule Lift Bridge**: P-7700-NG