



# Delroyd Gearing

Worm Gear Sets  
2" - 48" Center Distance

## Standard Components

The lowest cost and shortest delivery schedules are normally achieved through the use of standard worm gear sets described in this flyer.

In addition to using standard shaft center distances, ratios and bearing mounting parts, designs should also include standard bores, flanges, and bolt circles where possible. Since the use of non-standard hubs is common to the worm gear industry, Delroyd provides for this by having a flanged rim design available for mounting on any adaptable center.



### Ratios 5:1 to 70:1

#### Catalog Models Available

Center Distance	Gear	Fan
2"	Shafted	with or without
2.5"	Shafted	with or without
3"	Shafted & Shaft mount	with or without
3.5"	Shafted & Shaft mount	with or without
4"	Shafted & Shaft mount	with or without
5"	Shafted & Shaft mount	with or without
6"	Shafted & Shaft mount	with or without
7"	Shafted & Shaft mount	with or without
8"	Shafted & Shaft mount	with or without
9"	Shafted & Shaft mount	with or without
10"	Shafted & Shaft mount	with or without
12"	Shafted & Shaft mount	with or without
14"	Shafted & Shaft mount	with or without
17"	Shafted & Shaft mount	with or without
18"	Shafted & Shaft mount	with or without
20"	Shafted & Shaft mount	with or without
21.837"	Shafted & Shaft mount	without
24"	Shafted & Shaft mount	without
26.5"	Shafted & Shaft mount	without
27"	Shafted & Shaft mount	without
28"	Shafted & Shaft mount	without
30"	Shafted & Shaft mount	without
36"	Shafted & Shaft mount	without
42"	Shafted & Shaft mount	without
48"	Shafted & Shaft mount	without



**If You Think It Can't Be  
Done, Call Us!**  
**800-432-0121**

 **Delroyd Worm Gear**<sup>®</sup>  
Altra Industrial Motion

## Custom Designed and Reverse Engineered Worm Gearing

Many times Standard Worm Gearing will work in the application, but often a Custom or Reverse Engineered Solution is required for proper functioning, long life and interchangeability. Delroyd can offer worm gearing solutions that will fit your specific needs. Our years of experience assure you of proven designs and reliable service.

### CAPABILITIES

- 2" thru 48" Center Distance (metric available)
- 2" to 1" thru 180 to 1" in a single worm gear reduction arrangement
- Worms and Gears supplied as individual components or as matched minimum backlash sets
- Re-engineering of any Straight Cylindrical Single Enveloped worm gear design
- Leaving Side contact pattern standard, other contact designs such as Crown or Central also available
- Quote to customer supplied drawings and/or samples

### WORMS

- Material AISI 4150 Flame Hardened or AISI 8620 or 4320 Carburized Hardened (58-62Rc) and Ground
- Designs up to 15" diameter and 24" worm thread length
- Available in Single or Multiple Leads/Starts up to 21 in either Right Hand or Left Hand thread
- Pressure Angles of 20° to 25° as standard, other custom angles available
- Offering in either Integral Shaft or Shell type designs
- CNC thread grinding
- Delroyd "Involute Helicoid" profile is standard, other Thread Forms/Profiles available
- Reverse Engineering: Can match existing Thread Profile per Customer Supplied Worm

### GEARS

- Material: Delroyd Standard Phosphorus Bronze or Aluminum or Manganese Bronze optional
- From 4-3/8" to 88" diameter
- Up to 10" face width and up to 4" pitch
- Hob or Fly cutting with In-House Flytool design and development reducing tool expense
- Offering Solid One-piece Gear, Bolt-on Flanged Rim or Welded Bronze Ring to Steel Hub designs

[www.delroyd.com](http://www.delroyd.com)

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