

(800) 808-2131 WORLDWIDEELECTRIC.COM

> GEAR REDUCERS



# Heavy Duty Cast Iron Worm Gear Reducers A High Quality Right Angle Drop-In Replacement

WorldWide Electric's Heavy Duty Cast Iron Right Angle Worm Gear Reducers (HdR) feature solid, onepiece cast iron construction, durable carbon steel shafts, and the flexibility of multiple configurations. Featuring universal interchangeability with the Boston 700 series and other equivalent brands, WorldWide Electric's HdR is an excellent choice for replacing existing units and completely new installations alike.

### **Specifications**

- Speed Ratio: 5:1 60:1
- Center Distance: 1.33 3.25 inches
- Housing: One-Piece #FC20 Cast Iron
- Input Compatibility: 56C, 145TC, 182/4TC
- Universally Interchangeable

# **In-Stock and Ready to Ship**

We aim to make our customers more competitive by stocking the products they need and responding to their requirements with a shared sense of urgency. With \$50 million of ready-to-ship inventory at seven regional US warehouses, we're ready to assist you!

For more details, visit wwec.co/HDRG

### **Product Features**

- Flange and Shaft Input Options
- Shaft and Hollow Bore Output Options
- Embedded Double-Lip Oil Seals
- Double Bearings On Input Shaft
- S45C Carbon Steel Shafts
- Brass Spring Loaded Breather Plug
- Pre-Filled with Mobil Synthetic SHC632
- One-Year Warranty
- Universally Interchangeable with Boston 700 Series and Other Major Brands

For more details, including full specifications and compliance, visit wwec.co/HDRG

Protected **Smooth Operation** Anti-rust primer bonded to both the Oil guided to bearings by Solid Construction interior channels for inside and outside of the housing direct, continuous lubrication with Mobil Two sets of heavy duty tapered roller bearings SHC632 Synthetic Oil per input shaft Durable Sealed Shafts S45c carbon steel shafts for durability Embedded doubleout Strong Compatible Compact design and universal radiused mounting points for flexibility and OEM replacement Secured

Maintenance-Free One-piece cast iron housing provides for a simple, reliable, maintenance-free design lipped oil seals keep oil in and contaminants

Aluminum-bronze alloy machined output gears for improved strength

Single piece output shaft hub secures output shaft bearings for precise tolerance during working life

# **Available Models**

Not all combinations indicated by this table are possible. Please contact a representative or visit worldwideelectric.com for more information on available models.

| Product<br>Family | Box<br>Size | Ratio | Output<br>Type | Motor<br>Frame |
|-------------------|-------------|-------|----------------|----------------|
| HDRF              | 133         | 5:1   | L: Left Hand   | 56C            |
| HDRS              | 154         | 10:1  | R: Right Hand  | 145TC          |
|                   | 175         | 15:1  | DE: Double End | 182/4TC        |
|                   | 206         | 20:1  | H: Hollow Bore |                |
|                   | 237         | 30:1  |                |                |
|                   | 262         | 40:1  |                |                |
|                   | 325         | 50:1  |                |                |
|                   |             | 60:1  |                |                |

# **Model Number Selection**

Each model number contains the product family, input type, box size, ratio, and output type.

Flange Input Sample Model Number: HDRF133-10/1-L-56C

| HDR               | F             | 133         | - | 10/1    | - | L              | - | 56C   |
|-------------------|---------------|-------------|---|---------|---|----------------|---|-------|
| Product<br>Family | Input<br>Type | Box<br>Size |   | Ratio * |   | Output<br>Type |   | Frame |

HDRF133-10/1-L-56C is a flange input, size 133, 10:1 ratio, left hand output Cast Iron Worm Gear Reducer

Shaft Input Sample Model Number: HDRS133-10/1-L



HDRS133-10/1-L is a shaft input, size 133, 10:1 ratio, left hand output Cast Iron Worm Gear Reducer

\* When selecting a ratio, replace colon with slash - 10:1 becomes 10/1

# **Multiple Configurations**



Flange Input Shaft Output Left Hand Output



Flange Input Shaft Output Right Hand Output



Flange Input Shaft Output **Double End Output** 



Flange Input Hollow Bore Output



Shaft Input Shaft Output Left Hand Output



Shaft Input Shaft Output **Right Hand Output** 



#### WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, gear reducers, and generators as well as the exclusive master distributor of Hyundai Electric's low-voltage motors and drives. Offering fast, often same-day, shipping from seven regional US warehouses, WorldWide Electric takes pride in providing a competitive edge to our customers by responding to their requirements with urgency, technical expertise, and professionalism.

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