

# **Inline Helical Gear Reducers**

# WINL Series

Durable in-line speed reduction and universal compatibility with NEMA C-face motors simplify retrofits across many industrial process applications.

Delivering a broad array of output torque and speed, the WINL Series of Inline Helical Speed Reducers are engineered to support a wide range of applications, including fans, pumps, conveyors, material handling equipment, packaging machines, and textile machinery. The WINL reducer's dimensions, such as bolt pattern, base-to-center line height, output shaft diameter, and usable shaft length, are designed to match the popular "R" Series European brand.



# Quick Specs & Features

- Housing: Cast Iron
- Input Compatibility: NEMA C-face Motor Input Flange
- Shaft Output
- -Box Size: 37 147
- Speed Ratio: 2:1 180:1
- Two-year Warranty



**Responsive** Service & Technical Support



Quality Products Competitive Pricing



In Stock Availability Warehouses Nationwide



**Fast Shipping** Same-Day Available

### **Product Features**

- All cast iron housing for strength and reliability
- Precision machined gears for better rotation and quieter operation
- Gearbox flanges designed to accept NEMA C-face electric motors
- No coupling necessary
- Drop-in for most major European produced inline reducer brands
- Foot mounted
- Pre-filled with HD320 mineral oil for M1 mounting position only. Addition or subtraction of oil may be required for other mounting positions.
- Output torques to 78,900 lbs. in.

## **Compatible Motors**

The WorldWide Electric WINL Series Reducer is designed to be compatible with all C-face motors up to 100 HP, for example the ...

> LAM Series TEFC Enclosure



# **Product Overview**

#### Engineered

Eliminate the need for complex and unreliable couplings with a NEMA quill input design

#### Solid

Robust FC-20 cast iron housing provides corrosion resistance and superior strength

#### Smooth

Extend service life with anti-friction bearings

#### Adaptability ·

Imperial dimensions on all output shafts, quill bores, and NEMA motor flanges

#### Flexibility

Six different mounting positions supported by well-positioned mounting holes and flexible breather/drain plug locations

# **Model Number Selection**

#### Sample Part Number: WINL67-20/1-184/4TC

Each model number contains the product family, box size, nominal ratio, and motor frame. When selecting ratio, replace colon with slash, e.g. 10:1 becomes 10/1.

<sup>‡</sup> Not all combinations indicated by this table are possible. Please contact us or visit shop.worldwideelectric.com for more information on availability.

Product Family	Box Size	Nominal Ratio	Motor Frame
WINL	37	2:1	56C
	47	2.5:1	145TC
	57	3:1	182/4TC
	67	3.5:1	213/5TC
	77	4:1	254/6TC
	87	4.5:1	284/6TC
	97	5:1	324/6TC
	107	10:1	364/5TC
	137	15:1	405TC
	147	20:1	

20:1
30:1
40:1
50:1
60:1
80:1
100:1
110:1
120:1
180:1

#### Power

Single, double, and three stage gear sets available

#### **Quiet Operation**

Precision machined gears for better rotation and quieter operation

#### Durability

A.G.M.A. rated Class 10 highstrength alloy steel, heat treated gearing

#### **Application Ready**

Ships pre-filled with HD320 mineral oil for a horizontal mounting position\*



WorldWide Electric Corporation is a leading manufacturer of electric motors, motor controls, gear reducers, and generators. 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. © Copyright 2023 WorldWide Electric Corporation GR-WINL-v03-06-24

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