

Aluminum Worm Gear Reducers

CALM Series

Flexible, reliable, and lightweight speed reducer with NEMA and IEC Metric Flange options.

When your application requires a lightweight speed reducer, WorldWide Electric's aluminum right angle CALM Series worm gear reducers are a durable, reliable, and highly compatible option. Features include a hardened worm shaft for increased durability, two bearings on all input and output shafts for reliable performance, and multiple mounting holes for all angle mounts. A wide variety of NEMA and IEC Metric input flange and hollow output bore sizes will ensure compatibility with many applications.



Quick Specs & Features

- Housing: One-piece cast aluminum alloy
- NEMA Input Compatibility: 56C, 145TC, 182/4TC
- Metric Input Compatibility: 63B14, 71B14, 80B14, 90B14, 100B14, 112B14
- Center Distances: 30 – 90 mm
- Speed Ratio: 7.5:1 – 100:1



Responsive
Service & Technical Support



Quality Products
Competitive Pricing



In Stock Availability
Warehouses Nationwide



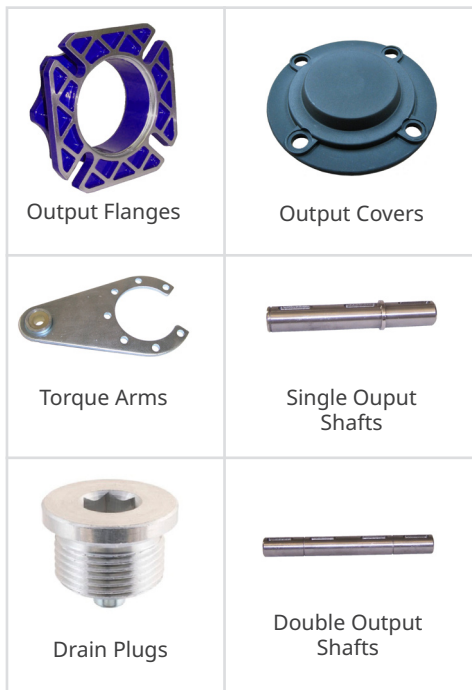
Fast Shipping
Same-Day Available

Product Features

- 7.5:1 - 100:1 ratios
- 30 - 90 mm center distances
- One-piece aluminum alloy housing for lightweight strength
- Hardened worm shaft for increased durability
- Two bearings on input and output shafts
- Sizes 75 and 90 have tapered roller bearings on the output shaft
- NEMA or IEC Metric motor input flanges
- All units filled with synthetic oil (Mobil SHC632) for an M1 position mounting. Adjust oil level for alternative mounting positions
- Double lip oil seals prevent leakage
- Multiple mounting holes for all angle mounts
- Powder coat paint plan on external housing to resist corrosion
- Hollow output bores with plug-in output shafts
- One-year warranty

CALM Accessories

The following accessories and parts are available for the CALM Series Box Sizes 30 - 90 mm.



Model Number Selection

Sample Part Number: CALM30-10/1-56C.

Each model number contains the product family, box size, nominal ratio, and motor frame (either NEMA or Metric).

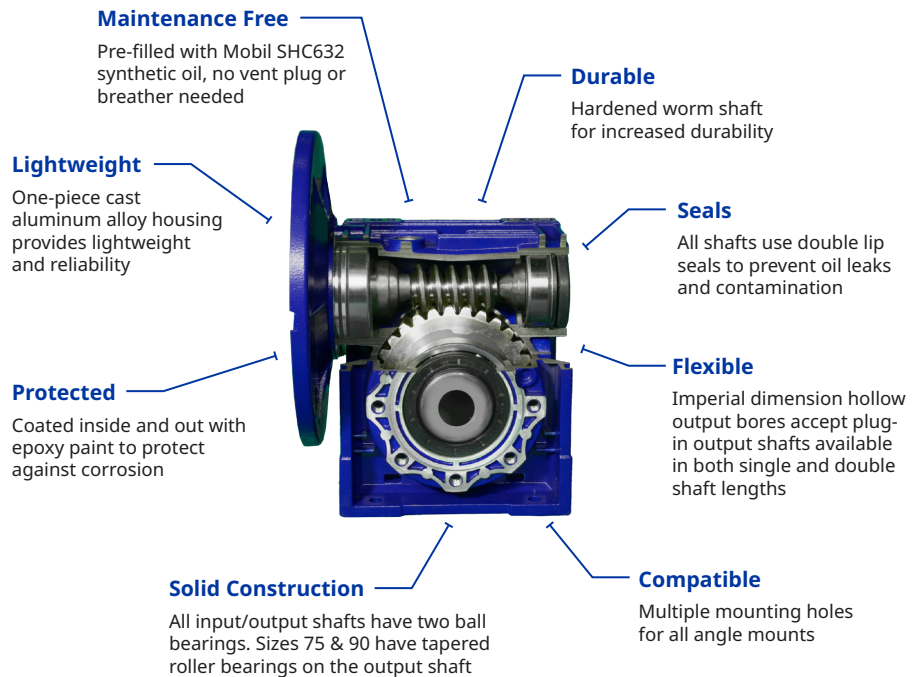
- NEMA Example: CALM50-10/1-145TC
- Metric Example: CALM50-10/1-90B14

When selecting ratio, replace colon with slash, e.g. 10:1 becomes 10/1.

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

Center Distance (mm)	Nominal Ratio	NEMA Motor Frame	IEC Metric Motor Frame
30	7.5:1	56C	63B14
40	10:1	145TC	71B14
50	15:1	182/4TC	80B14
63	20:1		90B14
75	25:1		100B14
90	30:1		112B14
	40:1		
	50:1		
	60:1		
	80:1		
	100:1		

Product Overview



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.

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