

# Worm Gear Speed Reducer

This speed reducer features a worm gear and worm wheel configuration within a durable housing. It is suitable for applications requiring high torque and low output speed.



## Product Overview

### Industrial Worm Gear Speed Reducer

This worm gear speed reducer is engineered for robust industrial performance, featuring a high-quality aluminum alloy or cast-iron gearbox. It offers a compact, space-saving design that delivers high torque with minimal noise and vibrations. Designed for versatility, this unit supports frequent starting and bidirectional operation, making it ideal for conveyors, packaging machinery, and diverse industrial power transmission tasks.

## Construction

**Materials** Aluminum Alloy, Cast Iron

## Performance

### Gear Ratios

| Configuration | Ratio Range |
|---------------|-------------|
| Single Step   | 10 - 60     |
| Double Step   | 200 - 900   |

### Output Torque Range

|                                 |                                    |                                  |                                    |
|---------------------------------|------------------------------------|----------------------------------|------------------------------------|
| <b>6 N.m</b><br>Single Step Min | <b>6500 N.m</b><br>Single Step Max | <b>63 N.m</b><br>Double Step Min | <b>6050 N.m</b><br>Double Step Max |
|---------------------------------|------------------------------------|----------------------------------|------------------------------------|

### Input Power Capacity

- Single Step: 0.12 - 33.2 KW (@1500 RPM)
- Double Step: 0.12 - 17.71 KW

## Operational Features

### Operational Characteristics

- High accuracy profile quenching
- Compact volume for space-saving mounting
- High overload capacity
- Low noise and vibration output
- Supports frequent starting
- Bidirectional (Forward/Backward) running