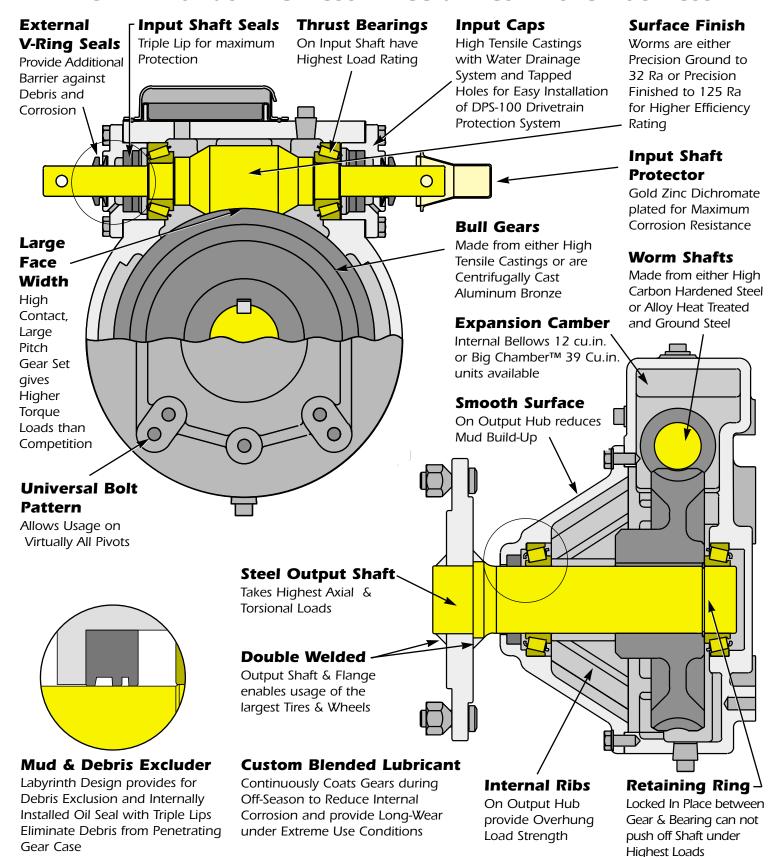




Worm Gear Wheel Drives

Omni Builds The Best Wheeldrives in the Business!





Power: Different conditions for various applications may result in a higher or lower power capacity.

Oil Seals: Single, double and triple lip nitrile as well as Viton seals available.

Bearings: Geardrives available with various bearing life options.

OFD-50 Series

Standard

Worm Gear Wheeldrives

Specifications

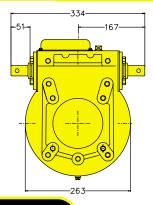
Torque Capacity: 70,000 lb.-in. (7,909 Nm.)
Ratio: 50:1 (Others Available)
Shaft Size: 2" 2.25" 2.5"
(51 mm) (57 mm) (65 mm)
Weight: 104 lbs. 108 lbs. 120 lbs.

eignt. 104 ibs. 108 ibs. 120 ibs. (47.2 kg) (49.0 kg) (54.4 kg)

Oil Capacity: 133 fl.oz. 126 fl.oz. 104 fl.oz

(3.9 L) (3.7 L) (3.1 L) Expansion Chamber: Bellows Type

Multiple Mount Pattern Fits Most Pivots.



203.2

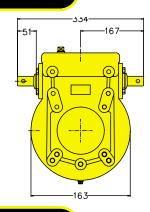
OFD-50D Series

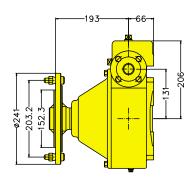
Big Chamber™

Specifications

Torque Capacity: 70,000 lb.-in. (7,909 Nm)
Ratio: 50:1 (Others Available)
Shaft Size: 2.25″ (57 mm)
Weight: 110 lbs. (49.0 kg)
Oil Capacity: 126 fl.oz. (3.7 L)
Expansion Chamber: Big Chamber™

- DPS-100 Gearbox Guard mounts easily.
- 39 Cubic Inch Expansion Area
- Oil Level Plug Eliminates Over-Filling
- Replaces Durst® and Zimmatic® Drives





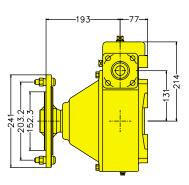
OFD-50EHT Series Extra Heavy

Specifications

Torque Capacity: 80,000 lb.-in. (9,040 Nm)
Ratio: 50:1 (Others Available)
Shaft Size: 2.25″ (57 mm)
Weight: 120 lbs. (54.4 kg)
Oil Capacity: 134 fl.oz. (3.9 L)
Expansion Chamber: Biq Chamber™

- High Capacity Thrust Bearings on Worm.
- 2" Face Width, High Contact Bull Gear.
- Precision Finished Worm to 125 Ra.
- 5.1" (131 mm) Gear Center Distance.

370



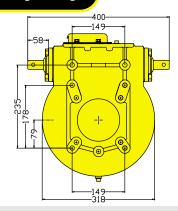
OFD-50HD Series

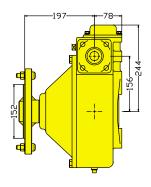
Heavy Duty

Specifications

Torque Capacity: 90,000 lb.-in. (10,170 Nm)
Ratio: 50:1 (Others Available)
Shaft Size: 2.5" (65 mm)
Weight: 164 lbs. (74.4 kg)
Oil Capacity: 215 fl.oz. (6.3 L)
Expansion Chamber: Bellows Type

- 6.1" (156 mm) Gear Center Distance.
- Highest Torque Wheeldrive Available.
- Ideal for Hose Drag Linear Carts.
- High Capacity Thrust Bearings on Worm.







Power: Different conditions for various applications may result in a higher or lower power capacity.

Oil Seals: Single, double and triple lip nitrile as well as Viton seals available.

Bearings: Geardrives available with various bearing life options.

OFD-50AB Series

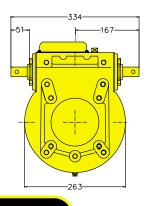
High Speed Aluminum Bronze

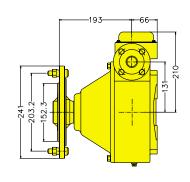
Worm Gear Wheel Drives

Specifications

Torque Capacity: 70,000 lb.-in. (7,909 Nm) Ratio: 50:1 (Others Available) Shaft Size: 2.25" (57 mm) Weight: 108 lbs. (49.0 kg) Oil Capacity: 126 fl.oz. (3.7 L)

- Precision Ground Worm to 32 Ra. Finish.
- External Expansion or Big Chamber™ Housing.
- Extends Drivetrain Life on High Speed Systems.
- Centrifugally Cast Bull Gear Eliminates Impurities.



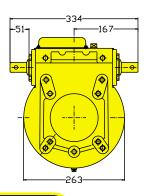


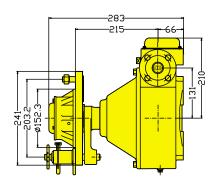
OFD-50T Series True-Tow Towable

Specifications

Torque Capacity: 70,000 lb.-in. (7,909 Nm) 50:1 (Others Available) Ratio: Shaft Size: 2.25" (57 mm) Weight: 130 lbs. (58.9 kg) Oil Capacity: 126 fl.oz. (3.7 L)

- External Expansion or Big Chamber™ Housing.
- True Towable Design Eliminates Add-on Kits.
- Relief Plug Protects from Over-Greasing.
- Adjustable Bearing Lock Nut Eliminates Shims.
- Cross Drilled Pin easily Stows while Towing.





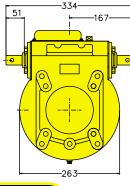
OFD-52V Series

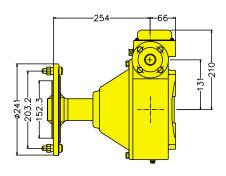
Specifications

Torque Capacity: 70,000 lb.-in. (7,909 Nm) Ratio: 52:1 (Others Available) 2.25" (57 mm) Shaft Size: 112 lbs. (50.8 kg) Weight: Oil Capacity: 126 fl.oz. (3.7 L) Expansion Chamber: Bellows Type

- 12 Cubic Inch Expansion Area.
- Replaces Valley® Drives.
- Dual Inputs for Left or Right Mounting.
- Class A Hobbed and Hardened Steel Worm.

Valley® Type





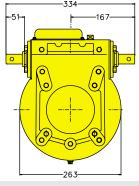
OFD-50GW Series

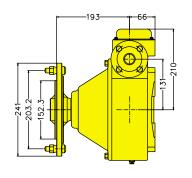
Specifications

Torque Capacity: 70,000 lb.-in. (7,909 Nm) Ratio: 50:1 (Others Available) Shaft Size: 2.25" (57 mm) Weight: 108 lbs. (49.0 kg) 126 fl.oz. (3.7 L) Oil Capacity: Expansion Chamber: **Bellows Type**

- Precision Ground Worm to 32 Ra. Finish.
- Ideal for Extending Drive Train Life.
- DPS-100 Gearbox Guard Mounts Easily.
- Multiple Mount Pattern Fits Most Pivots.

Extended Life Ground Worm





Power: Different conditions for various applications may result in a higher or lower power capacity.

Oil Seals: Single, double and triple lip nitrile as well as Viton seals available.

Bearings: Geardrives available with various bearing life options.



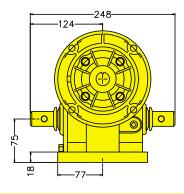
IR-15 Series

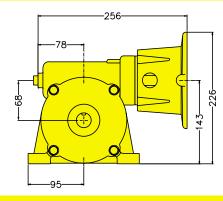
Worm Gear Center Drives

Specifications

Torque Capacity: 4,500 lb.-in. (133 Nm.) Ratio: 50:1 and 30:1 (Others Available) Shaft Size: 1.0" (25.4 mm) Weight: 16 lbs. (7.3 kg) 11 fl.oz. (1.2 L) Oil Capacity: Motor Mount: NEMA 56C

- Multi Mount Bolt Pattern fits All Pivots.
- Heavy Duty Unit for Severe Conditions.
- Lovejoy® Type Jaw Coupler included.
- Low Distortion Nitrited Worm Shaft
- 2.7" (68 mm) Gear Distance



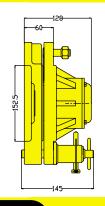


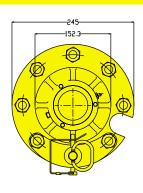
CK-50 Series

Specifications

- Converts Standard Drive to Towable Drive. Adjustable Bearing Locknut eliminates Shims.
- Cross Drilled Pin easily stows while Towing.
- Unique Triple Lip Spindle Seal Design.
- High Carbon Steel Tow Pin and Bracket will not Bend Under Load.
- Relief Plug protects from Over Greasing.
- Large Bearings for Improved Load Capacity.
- Easy Repairability with Bolt-on Dust Cover.

Towable Conversion Kits



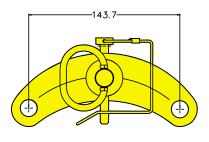


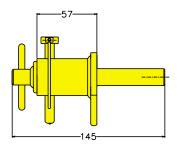
PB-50 Series

Specifications

- Cross Drilled Pin easily stows while Towing.
- High Carbon Steel Tow Pin and Bracket will not Bend Under Load.
- PTO Clip-Pin with Tab is easy to remove.
- Usable on all Towable Gearboxes and Conversion Kits.
- Anti-Corrosion Zinc Plated Pin.

Pin & Bracket Assemblies





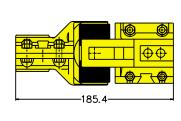
HTC Series

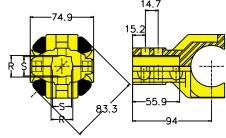
Specifications

³/₄", ⁷/₈", 1" Square: ⁷/₈", 1", 1" w/ ¹/₄" Keyway Round:

- High Strength Die Cast Coupler Jaws.
- Bead Blasted for Higher Torque & Strength.
- Dissipates Shock Loads to Other Components.
- Design provides Automatic Re-alignment.
- All Hardware included for Quick Installation.
- Fertilizer, Weather and UV Resistant.
- Complete Coupler Individually Poly Bagged.

Drive Line Couplers





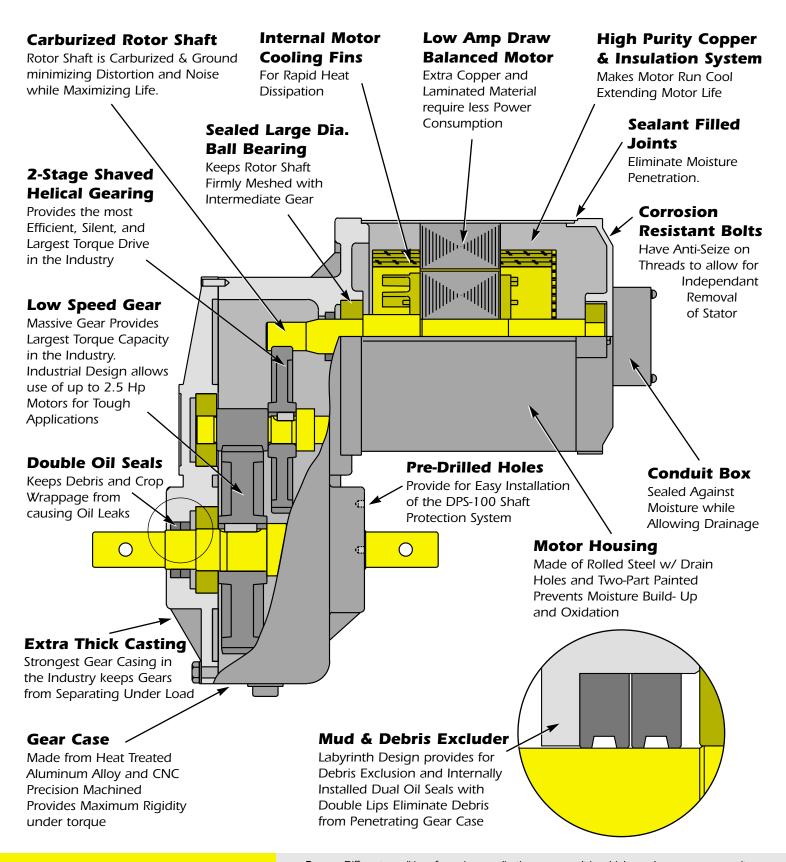


Power: Different conditions for various applications may result in a higher or lower power capacity.

Oil Seals: Single, double and triple lip nitrile as well as Viton seals available.

Bearings: Geardrives available with various bearing life options.

Omni Gear sets the New World Standard!





Power: Different conditions for various applications may result in a higher or lower power capacity.

Oil Seals: Single, double and triple lip nitrile as well as Viton seals available.

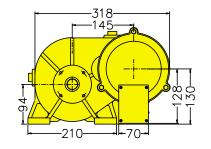
Bearings: Geardrives available with various bearing life options.

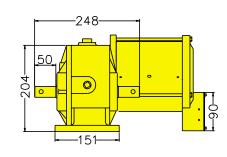
Irri-Torq[™] **Series**

Helical Gear Center Drives

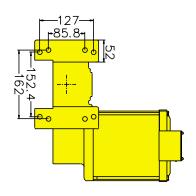
Specifications

- Highest torque center drive available.
- Carburized gears for higher strength.
- 2 stage efficient helical gear reduction.
- Large low speed gear for higher torque.
- TI® Klixon® thermal protector.
- CSA & CE approved motor.
- Universal Mounting Pattern





| Speed Range: | Low | Medium | Medium-High | High |
|----------------------------|-----------|-----------|-------------|-----------|
| Gearbox Output Shaft Speed | | | | |
| 460 Volts AC: | 28 rpm | 43 rpm | 56 rpm | 86 rpm |
| 380 Volts AC: | 23 rpm | 35 rpm | 47 rpm | 72 rpm |
| Gearbox Ratio: | 40:1 | 40:1 | 30:1 | 40:1 |
| Motor Horsepower: | .5 HP | .75 HP | 1.0 HP | 1.5 HP |
| Poles in Motor: | 6 | 4 | 4 | 2 |
| Motor RPM | | | | |
| 460 Volts AC: | 1,150 rpm | 1,725 rpm | 1,725 rpm | 3,490 rpm |
| 380 Volts AC: | 930 rpm | 1,425 rpm | 1,425 rpm | 2,850 rpm |
| Service Factor: | 1.0 | 1.0 | 1.0 | 1.0 |
| Oil Capacity: | 56 fl.oz. | 56 fl.oz. | 56 fl.oz. | 56 fl.oz. |
| | 1.6 L | 1.6 L | 1.6 L | 1.6 L |
| Weight: | 64 lbs. | 63 lbs. | 64 lbs. | 65 lbs. |
| | 29 kg | 28.5 kg | 29 kg | 29.5 kg |



Irri-Torq[™] **Series** NEMA Center Drive

Specifications

- NEMA 56 Frame Mount allows usage of Wide Variety of Motors
- 30:1 and 40:1 are Standard Ratios.
- Highest torque center drive available.
- Carburized gears for higher strength.
- 2 stage efficient helical gear reduction.
- Other Ratios Available upon Request.
- Multi-mount bolt pattern fits all pivots.
- DPS-100 Gearbox Guard mounts easily.

 Gearbox Ratio:
 30:1
 40:1

 Oil Capacity:
 56 fl.oz.
 56 fl.oz.

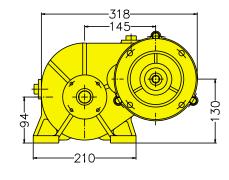
 1.6 L
 1.6 L

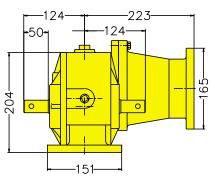
 Weight:
 35 lbs.
 35 lbs.

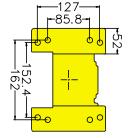
15.9 kg 15.9 kg

Torque Capacity: 8,700 lb.-in. 10,000 lb.-in.

983 Nm 1,130 Nm









Power: Different conditions for various applications may result in a higher or lower power capacity.

Oil Seals: Single, double and triple lip nitrile as well as Viton seals available.

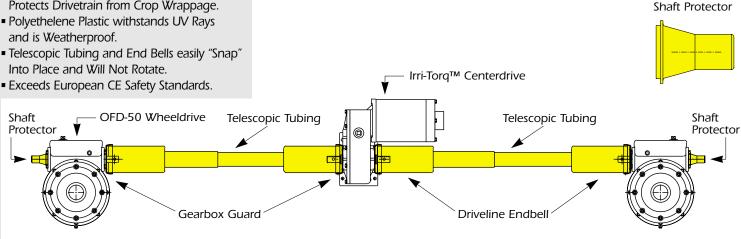
Bearings: Geardrives available with various bearing life options.

DPS-100

Driveline Shields

Specifications

- The Only System Available that Completely Protects Drivetrain from Crop Wrappage.
- and is Weatherproof.
- Exceeds European CE Safety Standards.



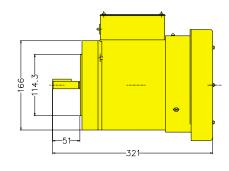
Patent Pending

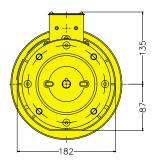
IM Series

Electric Motors

Specifications

- NEMA 56C face motor mount.
- 360/480 volts AC 50/60 Hz multiphase.
- 1.5 True rated horsepower.
- CSA and CE approved.
- Removable Drain Plugs for either Vertical or Horizontal Mounting.
- TI® Klixon® thermal protector.
- Fan Cooled w/Steel Fan Guard & Drip Cover.
- Motor by Leeson® Electric.





Warranty

Product Information

Omni Gears' Enclosed Gear Drives are warranted to be free of defects in material or workmanship and to meet Omni Gears specifications at the time of sale. For a copy of our warranty please contact Omni Gear.

The data presented in this catalog is for general information and preliminary layout purposes only. Omni Gear, through its policy of continuous improvement reserves the right to change specifications without notice. For specific application and dimensional information, please contact Omni Gear.

The different conditions for various applications may result in higher or lower power capacity. For these reasons, the ratings contained herein cannot be guaranteed for any application. Prototype testing should be conducted for each application before production.



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E-mail: Sales@OmniGear.com DWeb: www.OmniGear.com

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Dear Valued Customer:

Standard Terms and Conditions of Sale

The following letter serves to define Omni Gear's Warranty policy effective January 1, 2006. Omni Gear warrants its Products to be free defects in materials and workmanship when installed and maintained consistent with Omni Gear's specifications. Unless otherwise specified below, each Product is warranted for a period of 12 months from the date of retail delivery or 18 months from the date of shipment from Omni Gear's facility, whichever shall first occur. All replacement or spare parts supplied by Omni Gear are warranted for a period of 3 months from the date of shipment from Omni Gear's Facility.

Should any part of an Omni Gear Product be found, under normal use and service, during the warranty period, to be defective, Omni Gear shall repair or replace, at its sole option, said part FOB Omni Gear's facility, Houston, Texas, provided the defective gear drive, in whole, is returned to Omni Gear's facility, charges prepaid, accompanied by a Return Goods Authorization Number ("RGA") and defect report detailing the claimed defect, and provided inspection of the original Product establishes the claimed defect to the satisfaction of Omni Gear. In the event a warranty claim is denied, an Omni Gear Customer Service representative shall contact the customer and advise of the cost to repair the Product not covered under warranty. If the customer requests the Product be repaired, the repaired Product shall carry a Manufacturer's Remanufactured Warranty of 6 months from the date of remanufacture.

Warranty Disclaimer and Limitations of Liability

Omni Gear makes no other warranties. No warranty of merchantability or fitness for a particular purpose is implied. Omni Gear's liability under this warranty is limited to the conditions stated herein. OMNI GEAR SHALL NOT IN ANY EVENT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGE including, but not limited to expenses, attorney fees, loss of income or profits due to delay or defective material or workmanship and no allowance will be made for repairs, replacements, transportation or freight charges, or alterations UNLESS authorized in writing by

Omni Gear. Omni Gear's warranty is subject to change without notice. This warranty shall not apply to any Product upon which repairs or alterations have been made, improper lubrication—including type and frequency, excessive shock loading, improper application or for misused, neglected or incorrectly installed Product. This warranty shall not apply in the event proper gearbox lubrication and service is not maintained.

All gearbox Product lubrication must be flushed and refilled after the first 100 hours of service, and then every 1000 hours thereafter. This warranty shall not apply to seals in the event they have been subjected to heat in excess of 200 degrees, paint, solvents or other chemicals in the assembly or painting processes. Any Omni Gear Product that remains unused for a period of 6 consecutive months during the warranty period shall not be warranted for leakage due to seal aging. The warranty for bearings shall be limited to the warranty provided by the bearing manufacturer. No Product will be eligible for warranty if rust or corrosion has started on internal surfaces.

The terms and conditions set forth herein, together with any amendments, modifications and any different terms or conditions expressly accepted by Omni Gear in writing, shall constitute the entire Agreement concerning the Product sold, and there are no oral or other representations or agreements which pertain thereto. This Agreement shall be governed in all respects by the law of the State of Texas. Legal proceedings arising out of the terms of Omni Gear's warranty must be commenced within one (1) year of the accrual of the cause of action or be forever barred.

Note: The information shown online and in all catalogs is for general purposes only. Not to be used for manufacture, design or application review. OMNI GEAR reserves the right to update or change its products; therefore the information shown is subject to change. Bearing curves are supplied for design reference purposes only. They are intended to help illustrate the importance of radial load position relative to the gearbox. For detailed analysis or application review, contact OMNI GEAR engineering.

Exceptions

Exceptions to Omni Gear's stated Warranty Policy must be in writing, and made a part of this Limited Warranty. Customer Product Group Limited Warranty Effective Date