

WHEEL GEARBOXES

Omni Wheel Gearboxes
Outstanding Features and Benefits

External V-Ring Seals
 Provide additional barrier against debris and corrosion.

Input Shaft Seals
 Triple-lip for maximum protection.

Thrust Bearings
 On input shaft have highest load rating.

Input Caps
 High tensile castings with water drainage system and tapped holes for easy installation of DPS-100 drive-train protection system.

Surface Finish
 Worms are either precision ground to 32 ra or precision finished to 125 ra for higher efficiency rating.

Input Shaft Protector
 Gold zinc dichromate plated for maximum corrosion resistance.

Bull Gears
 Made from either high tensile castings or are centrifugally cast aluminum bronze.

Worm Shafts
 Made from either high carbon hardened steel or alloy heated treated and ground steel.

Expansion Chamber
 Internal bellows (12 cu. in.) or Big Chamber™ (39 cu. in.) units available.

Smooth Surface
 On output hub reduces mud build-up.

Steel Output Shaft
 Takes highest axial & torsional loads.

Double Welded
 Output shaft and flange enables usage of the largest tires and wheels.

Custom Blended Lubricant
 Continuously coats gears during off-season to reduce internal corrosion and provide long-wear under extreme use conditions.

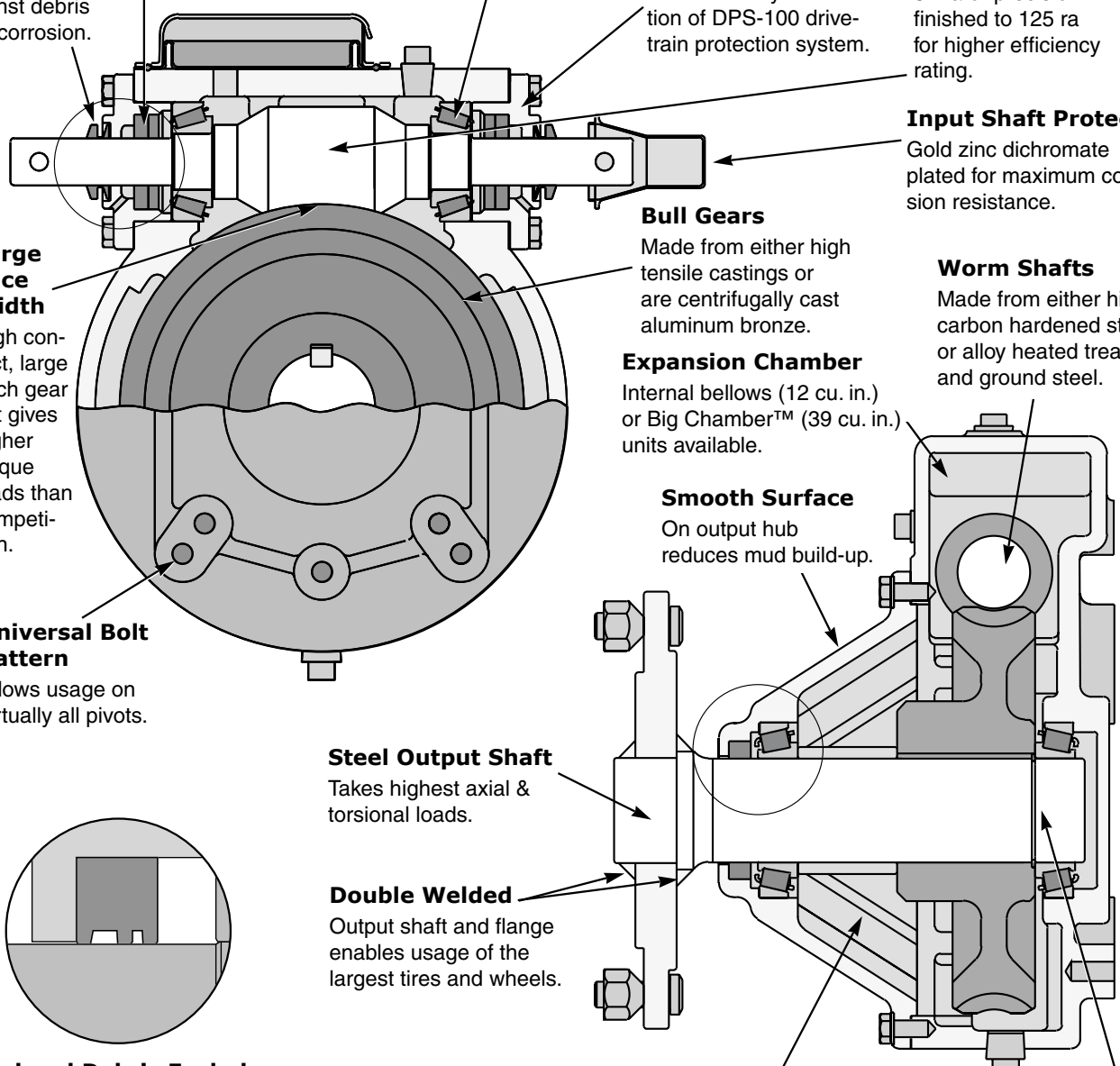
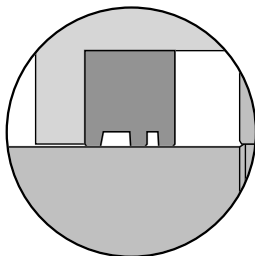
Internal Ribs
 On output hub provide overhung load strength.

Retaining Ring
 Locked in place between gear & bearing, can not push off shaft under highest loads.

Large Face Width
 High contact, large pitch gear set gives higher torque loads than competition.

Universal Bolt Pattern
 Allows usage on virtually all pivots.

Mud and Debris Excluder
 Labyrinth design provides for debris exclusion and internally installed oil seal with triple lips eliminate debris from penetrating gear case.



Check out the warranty on NI-Omni units.