

### Worm Gear Reducers

15mm Input Shaft Double Sided • 50mm Output Bore  
65.5mm Centre Distance •  $T_{2max}$  60Nm – 120Nm • **10:1 - 100:1**

#### Worm Gear Rotation Direction.

#### RH-Right Hand

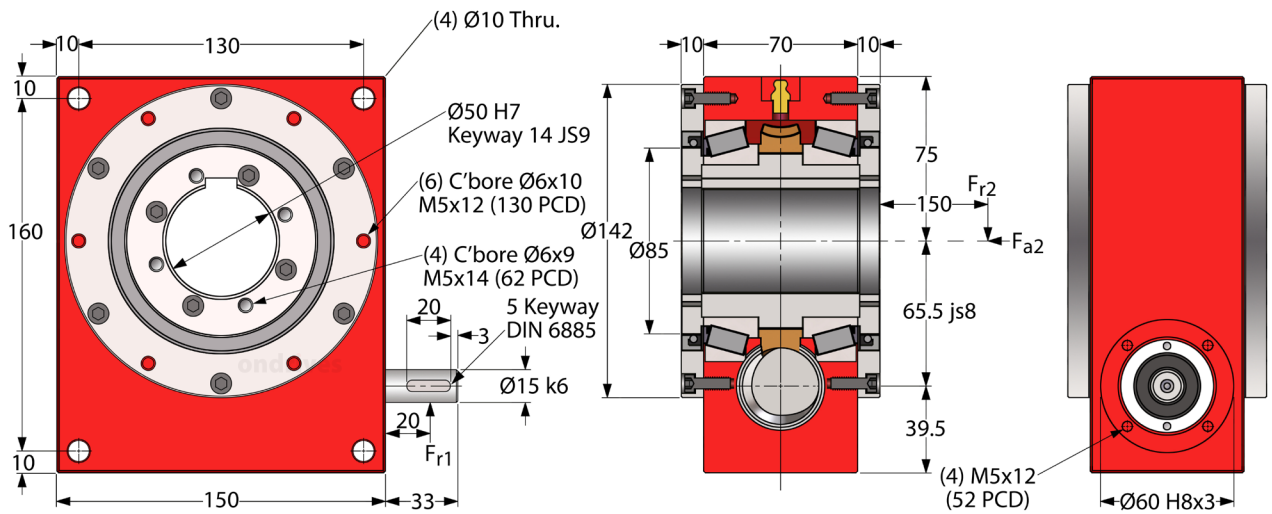
When input rotation is clockwise, output gear is pulled towards input.

When input is counter-clockwise, output gear is pushed away from input.

#### High Load Capacity Bearings.

**Input:** Taper Roller Bearings.

**Output:** Large Taper Roller Bearings.



Part Numbers					
Output Backlash j <sub>A</sub>	Output Backlash j <sub>AR</sub>	Gear Ratio i	Efficiency $\eta_z$	Lead Direction	Reflected Inertia at Input
≤0.10°	≤0.066°		n1nom		kg·m <sup>2</sup>
P80-10A	P80-10AR	10:1	77%	Right Hand	5.86x10 <sup>-5</sup>
P80-12A	P80-12AR	12.5:1	73%	Right Hand	5.10x10 <sup>-5</sup>
P80-16A	P80-16AR	16.666:1	68%	Right Hand	4.51x10 <sup>-5</sup>
P80-25A	P80-25AR	25:1	68%	Right Hand	4.09x10 <sup>-5</sup>
P80-50A	P80-50AR	50:1	42%	Right Hand	3.84x10 <sup>-5</sup>
P80-100A	P80-100AR	100:1	41%	Right Hand	3.68x10 <sup>-5</sup>

**Weight:** 8.86 kg.

**Nom. Input Speed [S1 T<sub>2</sub>n] n1nom:** 1,000 min<sup>-1</sup> (r/min)

**Max. Input Speed n1max:** 3,000 min<sup>-1</sup> (r/min)

**Lubrication:** Grease Shell Gadus S5 V4P 2.5

**Lubrication Temperature:** Max. Operating ≈ 60°C

**Max. Input Radial Load F<sub>r1</sub>:** 250N.

**Max. Output Radial Load F<sub>r2</sub>:** 2000N.

**Max. Output Axial Load F<sub>a2</sub>:** 5000N.

Testing in your application is necessary.

You will need to assess duty cycles and confirm suitability with your own calculations.

Figures listed are for guidance only.

Cooling may be needed dependent on application.

### Worm Gear Reducers

15mm Input Shaft Double Sided • 50mm Output Bore  
65.5mm Centre Distance •  $T_{2max}$  60Nm – 120Nm • **10:1 - 100:1**

P80 Series Wormwheel Gearboxes

