

Worm Gear Reducers

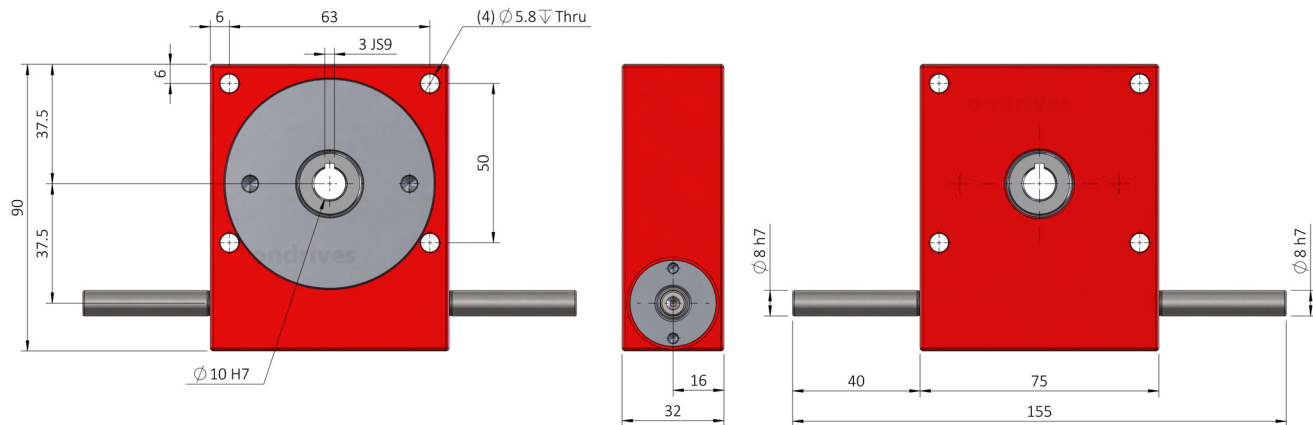
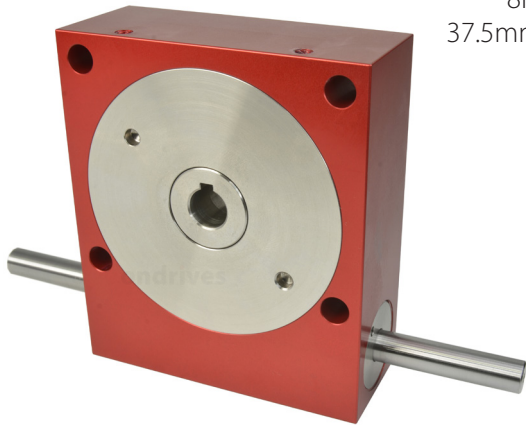
8mm Input Shaft Double Sided • 10mm Output Bore
37.5mm Centre Distance • T_{2max} 12Nm – 18Nm • **10:1 - 120:1**

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.



	Part Numbers					
Output Backlash j	Output Backlash j A	Output Backlash j AR	Gear Ratio i	Efficiency ηz	Lead Direction	Reflected Inertia at Input $kg \cdot m^2$
$\leq 0.50^\circ$	$\leq 0.13^\circ$	$\leq 0.066^\circ$		n1nom		
P40-10	P40-10A	P40-10AR	10:1	89%	Right Hand	2.94×10^{-6}
P40-12	P40-12A	P40-12AR	12:1	87%	Right Hand	2.69×10^{-6}
P40-15	P40-15A	P40-15AR	15:1	85%	Right Hand	2.49×10^{-6}
P40-20	P40-20A	P40-20AR	20:1	83%	Right Hand	2.33×10^{-6}
P40-30	P40-30A	P40-30AR	30:1	76%	Right Hand	2.22×10^{-6}
P40-60	P40-60A	P40-60AR	60:1	65%	Right Hand	2.15×10^{-6}
P40-120	P40-120A	P40-120AR	120:1	41%	Right Hand	2.10×10^{-6}

Weight: 0.92 kg.

Nom. Input Speed [S1 T₂n] n1nom: 1,000 min⁻¹ (r/min)

Max. Input Speed n1max: 3,000 min⁻¹ (r/min)

Lubrication: Grease Shell Gadus S5 V4P 2.5

Lubrication Temperature: Max. Operating $\approx 60^\circ C$

Max. Input Radial Load F_{r1}: 50N.

Max. Output Radial Load F_{r2}: 300N.

Max. Output Axial Load F_{a2}: 200N.

Testing in your application is necessary.

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

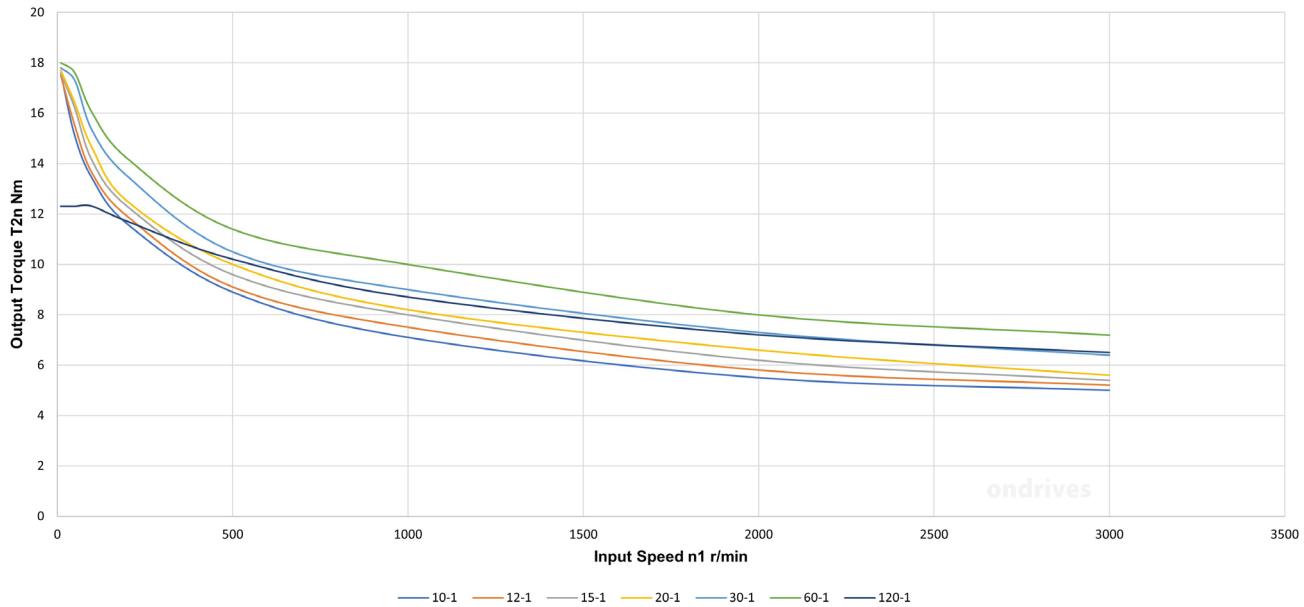
Figures listed are for guidance only.

Cooling may be needed dependent on application.

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P Series Wormwheel Gearboxes



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