

Worm Gear Reducers

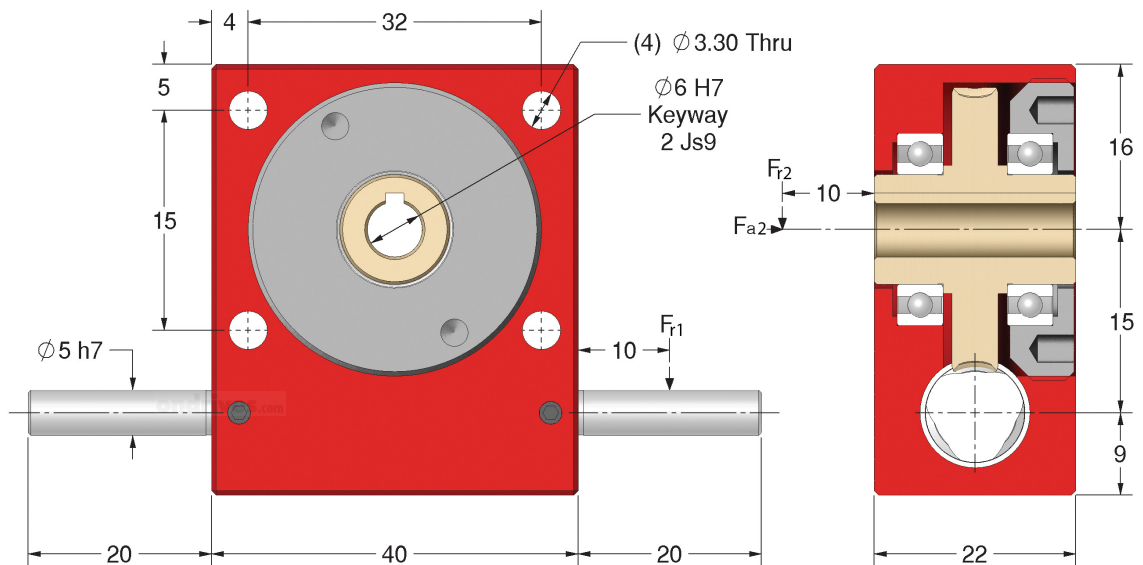
5mm Input Shaft Double Sided • 6mm Output Bore
15mm Centre Distance • T_{2max} 2Nm – 3.5Nm • **6.66:1 - 80:1**

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.



Output Backlash j	Part Numbers	Output Backlash j AR	Gear Ratio i	Efficiency ηz	Lead Direction	Reflected Inertia at Input
$\leq 30'$ ($\leq 0.50^\circ$)		$\leq 4'$ ($\leq 0.066^\circ$)		n1nom		kg·m²
	Output Backlash j A					
	$\leq 8'$ ($\leq 0.13^\circ$)					
P15-6	P15-6A	P15-6AR	6.666:1	86%	Right Hand	1.79×10^{-7}
P15-8	P15-8A	P15-8AR	8:1	85%	Right Hand	1.73×10^{-7}
P15-10	P15-10A	P15-10AR	10:1	84%	Right Hand	1.68×10^{-7}
P15-13	P15-13A	P15-13AR	13.333:1	78%	Right Hand	1.65×10^{-7}
P15-20	P15-20A	P15-20AR	20:1	71%	Right Hand	1.62×10^{-7}
P15-40	P15-40A	P15-40AR	40:1	60%	Right Hand	1.61×10^{-7}
P15-80	P15-80A	P15-80AR	80:1	32%	Right Hand	1.60×10^{-7}

Weight: 0.15 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 $\approx 60^\circ\text{C}$

Max. Input Radial Load F_{r1}: 10N.

Max. Output Radial Load F_{r2}: 80N.

Max. Output Axial Load F_{a1}: 30N.

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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P15 Series Wormwheel Gearboxes

