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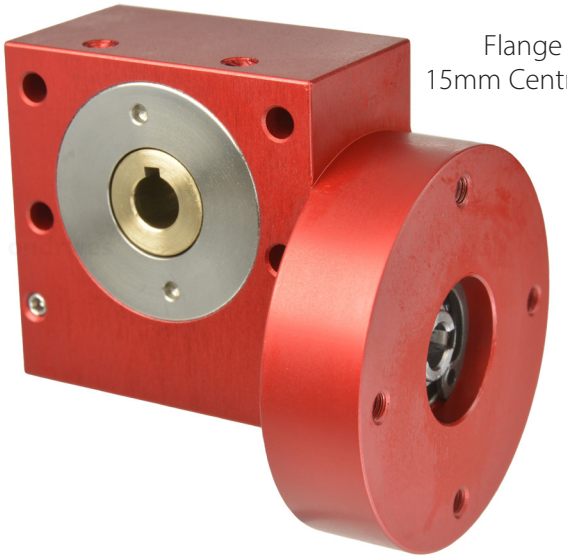
Precision Gears

Worm Gear Reducers



Worm GearReducers

Flange Input • 5mm Input Bore • 6mm Output Bore

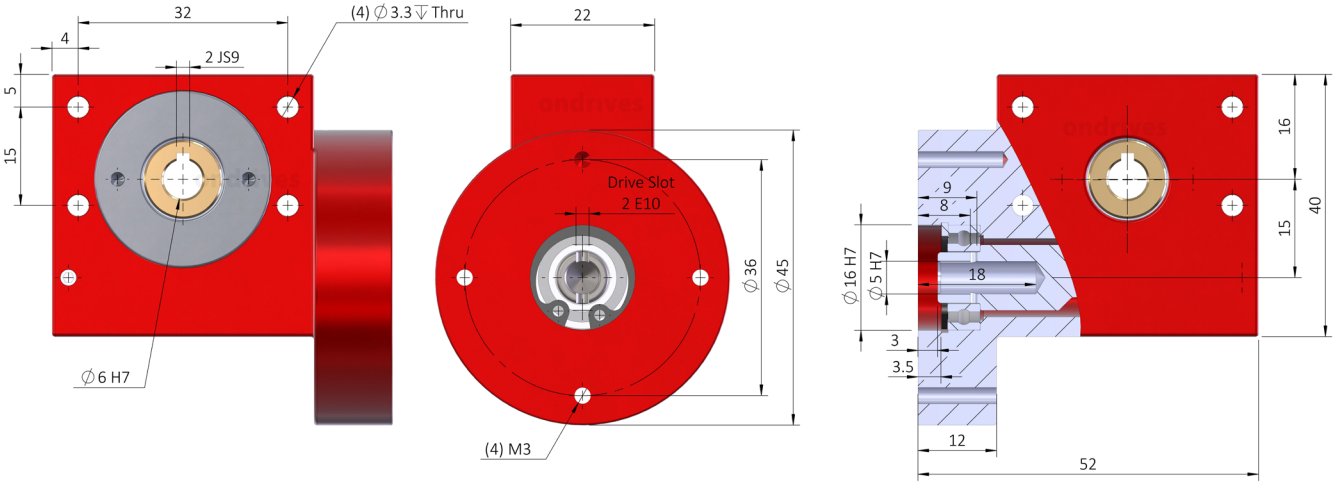
15mm Centre Distance • T_{2max} 2Nm – 3.5Nm • ***6.66:1 - 80:1***

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.



	PFart Numbers					
Output Backlash j	**Output Backlash j A**	**Output Backlash j AR**	**Gear Ratio i**	**Efficiency ηz**	**Lead Direction**	**Reflected Inertia at InPFut**
≤0.50°	**≤0.13°**	**≤0.066°**		**n1nom**		**kg·m²**
PF15-6	PF15-6A	PF15-6AR	6.666:1	86%	Right Hand	$1.79x10^{-7}$
PF15-8	PF15-8A	PF15-8AR	8:1	85%	Right Hand	$1.73x10^{-7}$
PF15-10	PF15-10A	PF15-10AR	10:1	84%	Right Hand	$1.68x10^{-7}$
PF15-13	PF15-13A	PF15-13AR	13.333:1	78%	Right Hand	$1.65x10^{-7}$
PF15-20	PF15-20A	PF15-20AR	20:1	71%	Right Hand	$1.62x10^{-7}$
PF15-40	PF15-40A	PF15-40AR	40:1	60%	Right Hand	$1.61x10^{-7}$
PF15-80	PF15-80A	PF15-80AR	80:1	32%	Right Hand	$1.60x10^{-7}$

Weight: 0.21 kg.
Nom. Input Speed [S1 T_2n] 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 ≈ 60°c
Max. Output Radial Load F_{r2} : 80N.
Max. Output Axial Load F_{a2} : 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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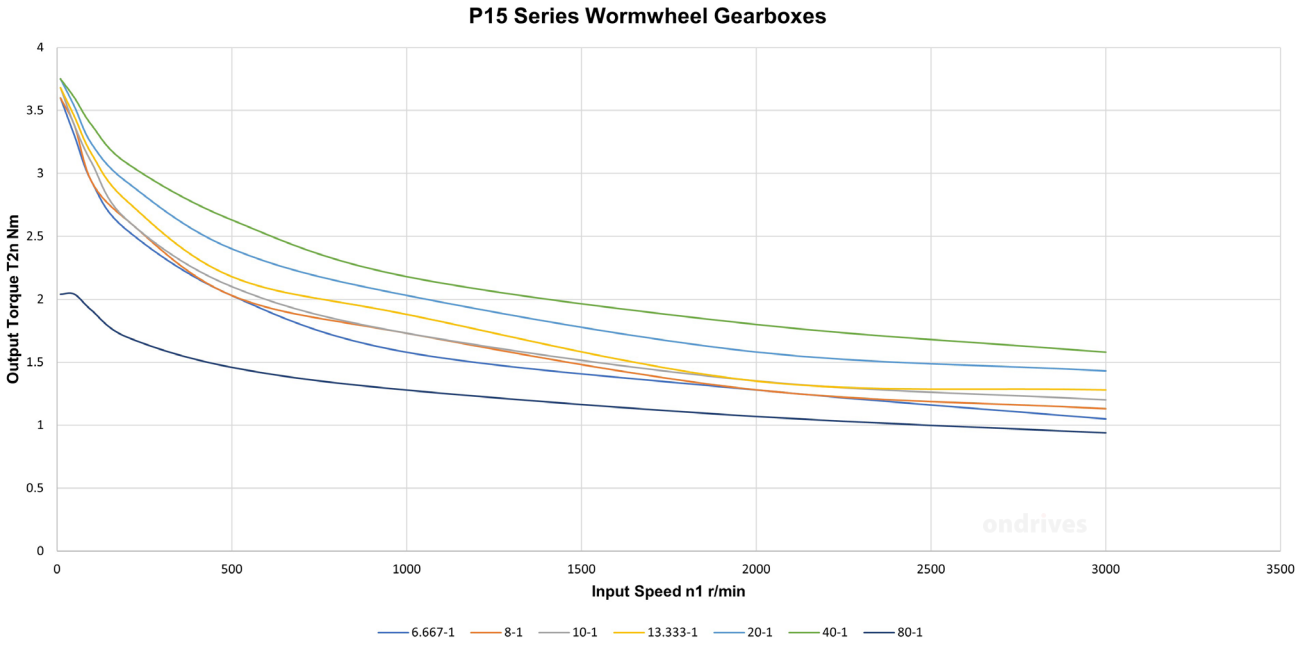

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