PF40NM

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Precision Gears

Worm Gear Reducers

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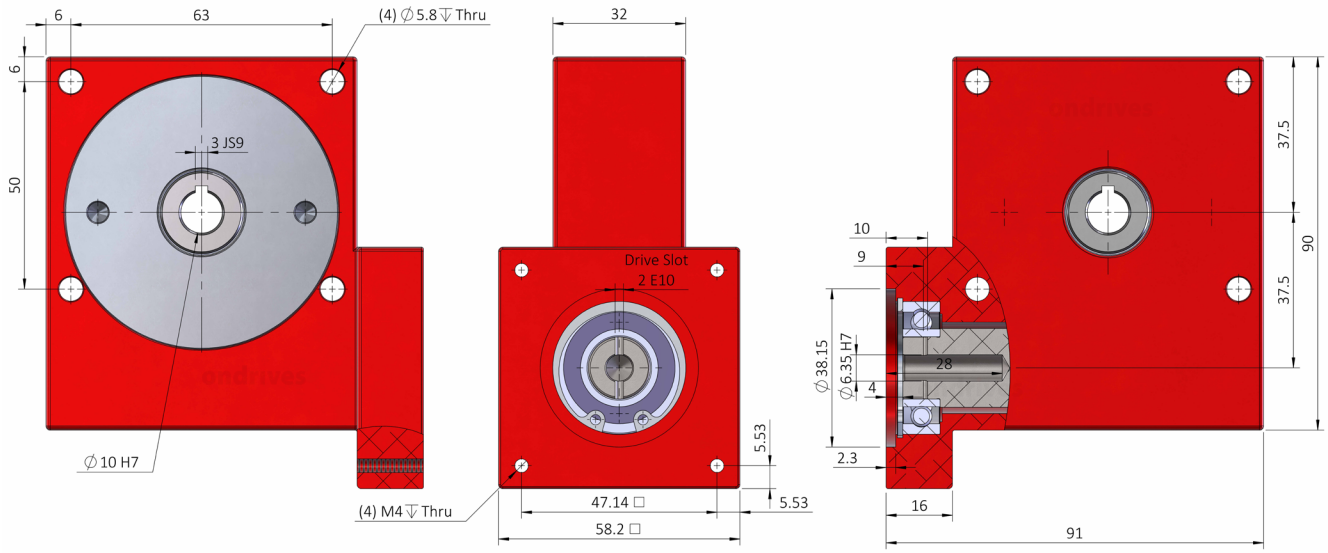
NEMA 23 Flange Input • 8mm Input Bore • 10mm Output Bore
37.5mm Centre Distance • T_{2max} 12Nm – 18Nm • ***10:1 - 120:1***

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**
≤0.50°	**≤0.13°**	**≤0.066°**		**n1nom**		**kg·m²**
PF40-10NM	PF40-10ANM	PF40-10ARNM	10:1	89%	Right Hand	$3.78x10^{-6}$
PF40-12NM	PF40-12ANM	PF40-12ARNM	12:1	87%	Right Hand	$3.62x10^{-6}$
PF40-15NM	PF40-15ANM	PF40-15ARNM	15:1	85%	Right Hand	$3.49x10^{-6}$
PF40-20NM	PF40-20ANM	PF40-20ARNM	201	83%	Right Hand	$3.39x10^{-6}$
PF40-30NM	PF40-30ANM	PF40-30ARNM	30:1	76%	Right Hand	$3.32x10^{-6}$
PF40-60NM	PF40-60ANM	PF40-60ARNM	60:1	65%	Right Hand	$3.27x10^{-6}$
PF40-120NM	PF40-120ANM	PF40-120ARNM	120:1	41%	Right Hand	$3.26x10^{-6}$

Weight: 1.15 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} : 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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Updated March 2024 subject to change for use as a guide only.

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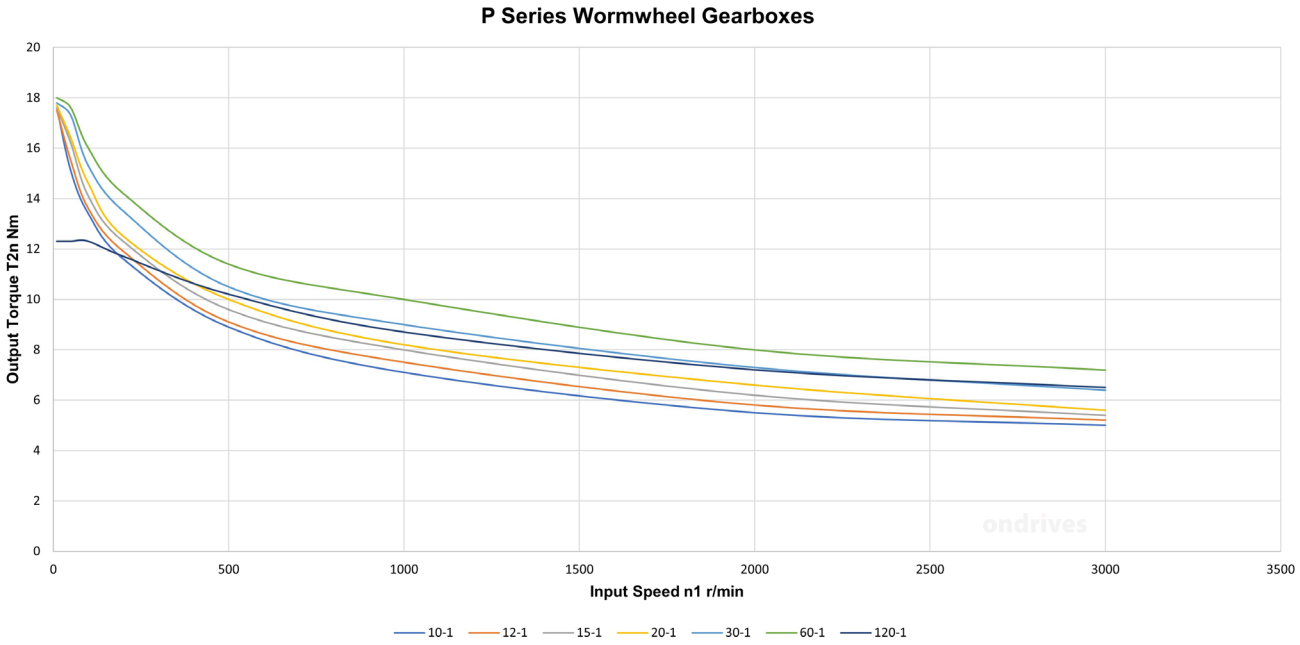

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