

PF40

# ondrives

## Precision Gears

### Worm Gear Reducers

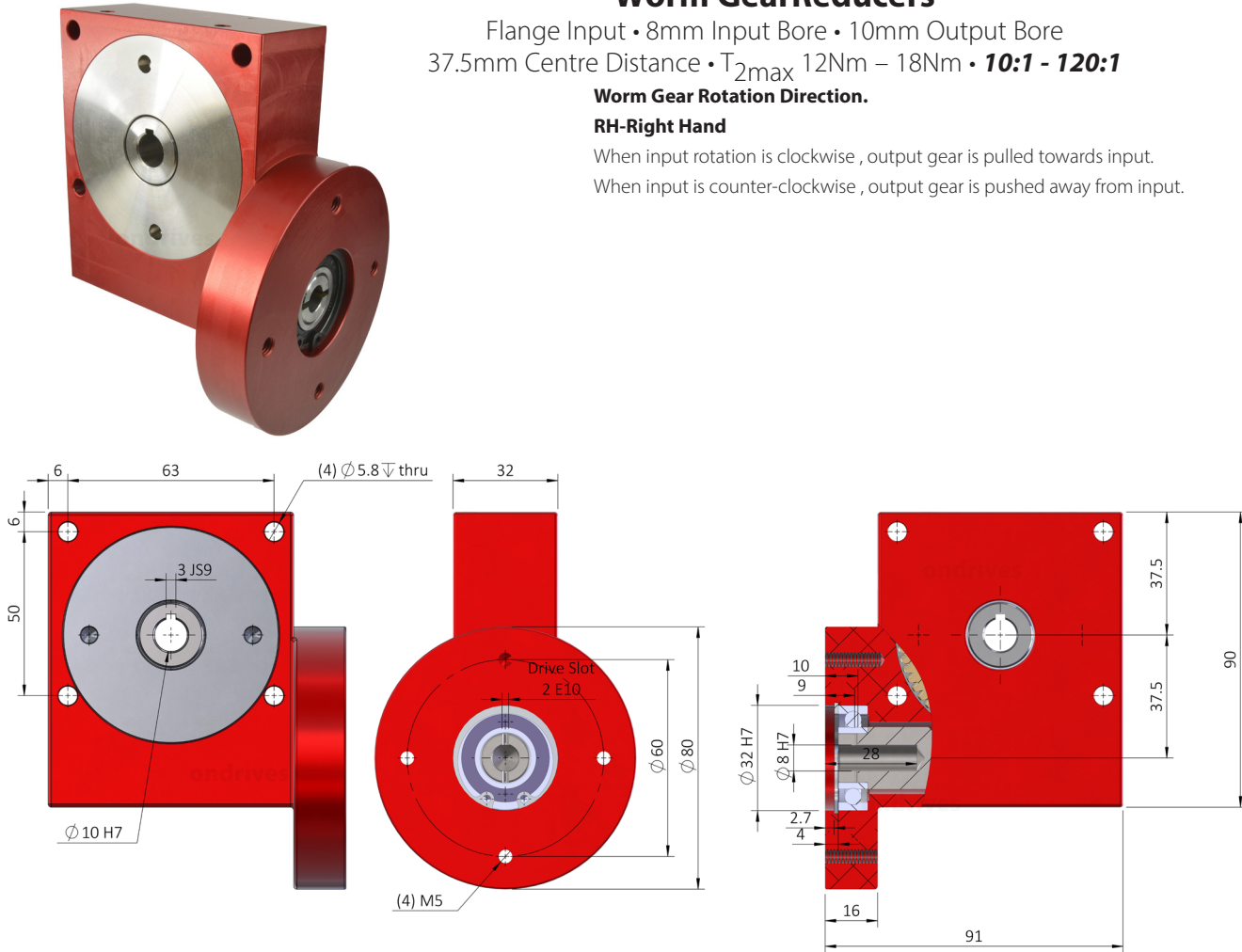
Flange Input • 8mm Input Bore • 10mm Output Bore  
37.5mm Centre Distance •  $T_{2max}$  12Nm – 18Nm • **10:1 - 120:1**

**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 $\eta z$	Lead Direction	Reflected Inertia at Input $kg \cdot m^2$
$\leq 0.50^\circ$	$\leq 0.13^\circ$	$\leq 0.066^\circ$		<b>n1nom</b>		
PF40-10	PF40-10A	PF40-10AR	10:1	89%	Right Hand	$3.78 \times 10^{-6}$
PF40-12	PF40-12A	PF40-12AR	12:1	87%	Right Hand	$3.62 \times 10^{-6}$
PF40-15	PF40-15A	PF40-15AR	15:1	85%	Right Hand	$3.49 \times 10^{-6}$
PF40-20	PF40-20A	PF40-20AR	20:1	83%	Right Hand	$3.39 \times 10^{-6}$
PF40-30	PF40-30A	PF40-30AR	30:1	76%	Right Hand	$3.32 \times 10^{-6}$
PF40-60	PF40-60A	PF40-60AR	60:1	65%	Right Hand	$3.27 \times 10^{-6}$
PF40-120	PF40-120A	PF40-120AR	120:1	41%	Right Hand	$3.26 \times 10^{-6}$

**Weight:** 1.15 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  $\approx 60^\circ C$

**Max. Output Radial Load F<sub>r2</sub>:** 300N.

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

**ondrives**  
Precision Gears

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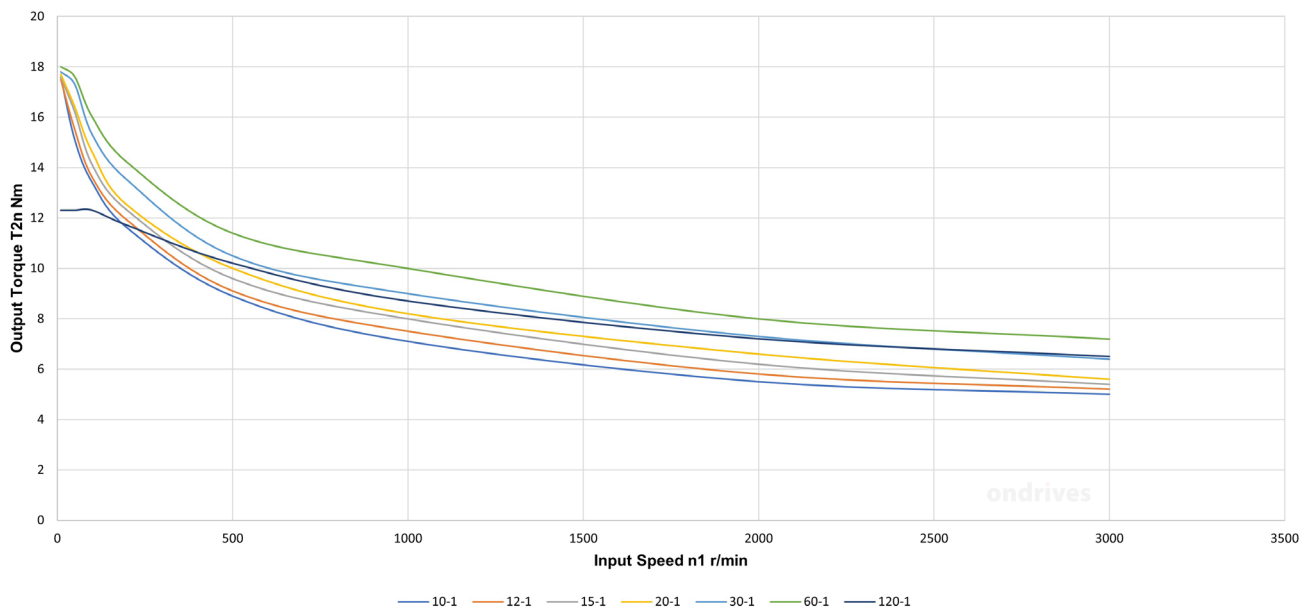
Updated March 2024 subject to change for use as a guide only.

Worm Gear Reducers

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Flange Input • 8mm Input Bore • 10mm Output Bore  
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P Series Wormwheel Gearboxes



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