

FF40

# ondrives

Precision Gears

Parallel Offset Gear Reducers



## 88mm Centres Parallel Offset Gear Reducers

20mm Input Shaft 25mm Output Bore •  $T_{2n}$  59Nm – 420Nm **2:1 - 7:1**

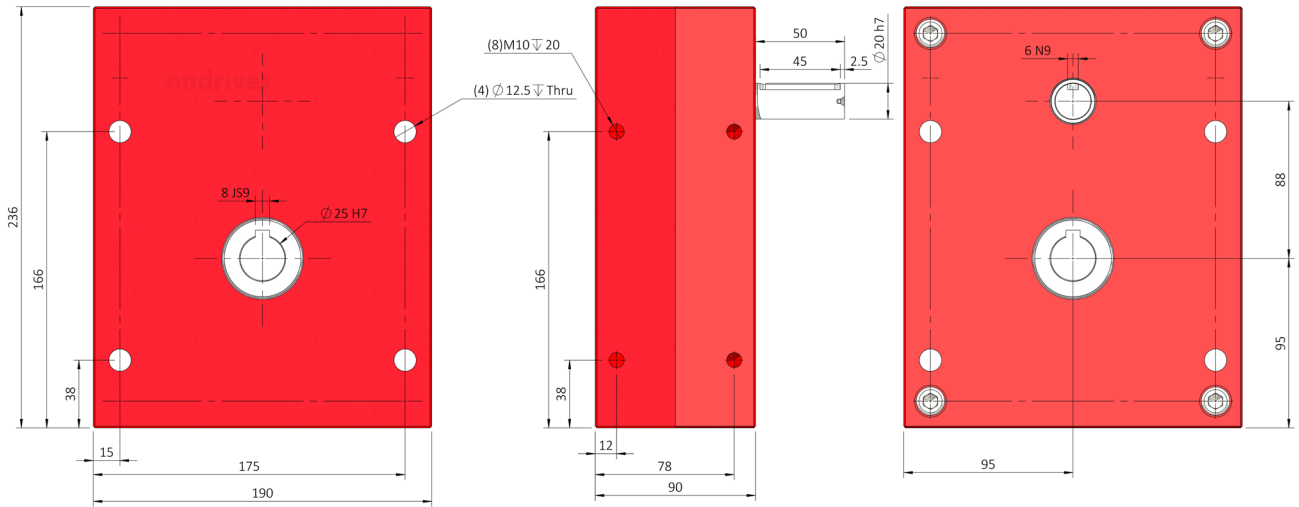
**Spur - Helical Gears.**

**Standard Versions - Standard Torque**

Steel Gears, will give you good levels of strength and torque in use.

**XH Versions - High Torque**

Hardened Gears, will give you high levels of strength and torque in use.



Part Numbers					
Output Backlash j	Output Backlash j A	Output Backlash j AR	Gear Ratio i	Efficiency $\eta z$	Torque Version
$\leq 0.50^\circ$	$\leq 0.16^\circ$	$\leq 0.08^\circ$		<b>n1nom</b>	
FF40-2	FF40-2A	FF40-2AR	2:1	93%	Std
FF40-3	FF40-3A	FF40-3AR	3:1	93%	Std
FF40-4	FF40-4A	FF40-4AR	4:1	93%	Std
FF40-5	FF40-5A	FF40-5AR	5:1	93%	Std
FF40-6	FF40-6A	FF40-6AR	6:1	93%	Std
FF40-7	FF40-7A	FF40-7AR	7:1	93%	Std
FF40-XH-2	FF40-XH-2A	FF40-XH-2A	2:1	93%	High
FF40-XH-3	FF40-XH-3A	FF40-XH-3A	3:1	93%	High
FF40-XH-4	FF40-XH-4A	FF40-XH-4A	4:1	93%	High
FF40-XH-5	FF40-XH-5A	FF40-XH-5A	5:1	93%	High
FF40-XH-6	FF40-XH-6A	FF40-XH-6A	6:1	93%	High
FF40-XH-7	FF40-XH-7A	FF40-XH-7A	7:1	93%	High

**Weight:** 13.5kg.

**Nom. Input Speed [S5  $T_{2n}$ ] n1nom:** 1,000  $\text{min}^{-1}$  (r/min)

**Max. Input Speed n1max:** 2,000  $\text{min}^{-1}$  (r/min)

**Lubrication:** Grease Shell Gadus S5 V42P 2.5

**Lubrication Temperature:** Max. Operating  $\approx 60^\circ\text{C}$

**Max. Input Radial Load  $F_{r1}$ :** 300N.

**Max. Output Radial Load  $F_{r2}$ :** 800N.

**Max. Output Axial Load  $F_{a2}$ :** 500N.

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 April 2024 subject to change for use as a guide only.

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FF40 FFS40 2:1 - 7:1 Series Parallel Offset Gearboxes

