

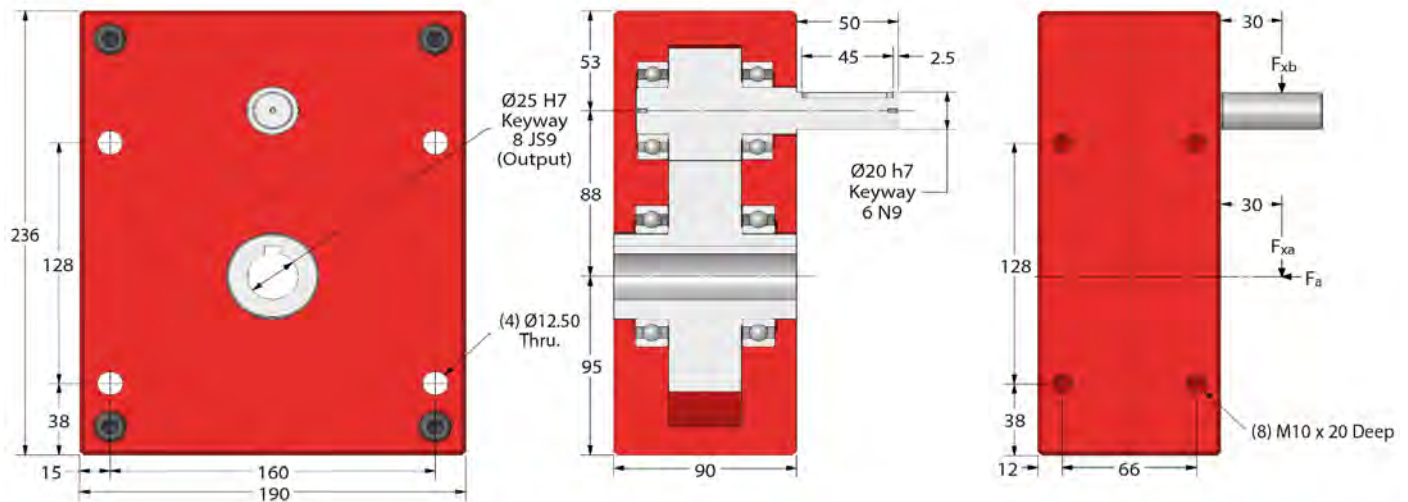
FF40

GEARBOXES

Parallel Spur Gear Reducer

20mm Shaft Input - 25mm Bore Output, 59 – 420 Nm **2:1 - 7:1**

FF40



Part Number	Ratio	Efficiency at 1000 Rpm	Nm output at 1000 Rpm
FF40-2	2:1	93%	90
FF40-3	3:1	93%	90
FF40-4	4:1	93%	82
FF40-5	5:1	93%	76
FF40-6	6:1	93%	66
FF40-7	7:1	93%	64
FF40-XH		Hardened Gears 2:1 to 7:1 multiply all figures listed by 2	

Weight: 13.5kg.

Output Backlash: 1°.

Max. Input Speed: 2,000 Rpm.

Greased for Life: Shell Gadus S5 V42P 2.5.

Max. Overhung and Thrust Loads at 1000 Rpm: Input Overhung Load (F_{xb}) = 30 kg.Output Overhung Load (F_{xa}) = 80 kg. Output Thrust Load (F_a) = 50 kg.

Input Keys: KK6-45. Output Keys: KK8-7-50.

Testing in your application is necessary.

You will need to assess duty cycles and confirm gearbox suitability with your own calculations. All figures listed are to be used for guidance only.

Output Torque Nm

RPM Input	Reduction Ratio					
	2:1	3:1	4:1	5:1	6:1	7:1
2000	83	83	76	70	61	59
1000	90	90	82	76	66	64
500	103	102	95	87	76	73
200	120	120	110	102	89	86
100	138	135	126	116	101	98
50	156	155	146	136	117	113
10	210	210	196	180	158	152

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