

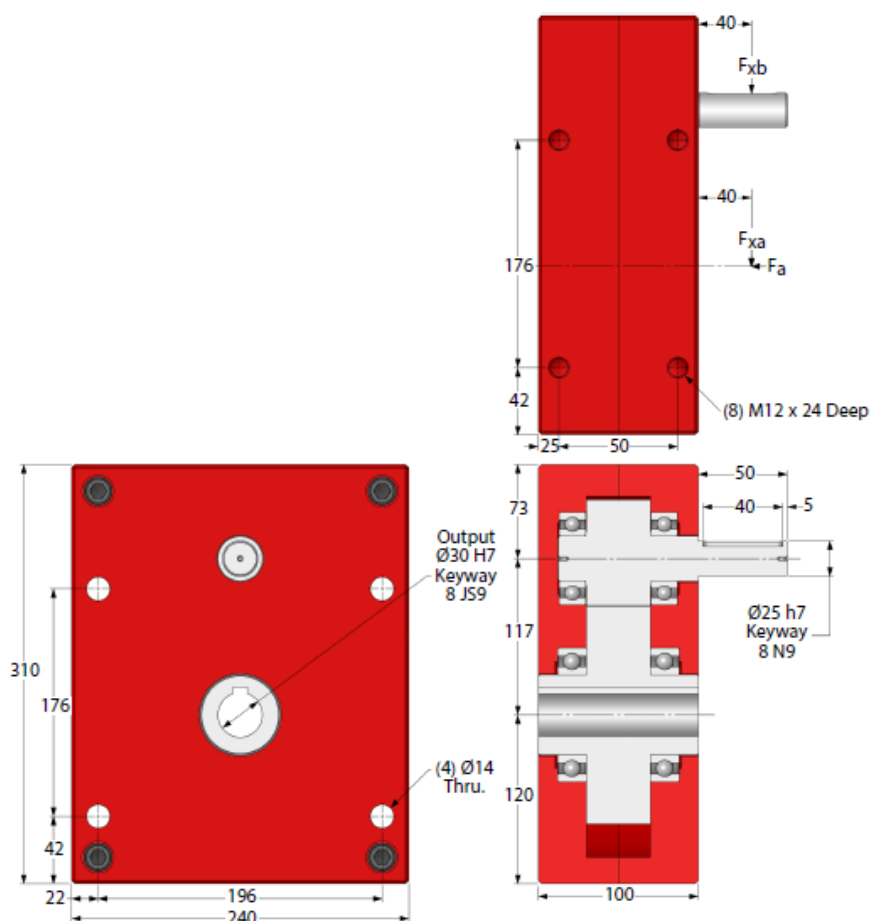
FF50

GEARBOXES

Parallel Spur Gear Reducer

25mm Shaft Input - 30mm Bore Output, 111 – 850 Nm **2:1 - 7:1**

FF50



Part Number	Ratio	Efficiency at 1000 Rpm	Nm output at 1000 Rpm
FF50-2	2:1	93%	180
FF50-3	3:1	93%	168
FF50-4	4:1	93%	160
FF50-5	5:1	93%	149
FF50-6	6:1	93%	130
FF50-7	7:1	93%	120

FF50-XH

Hardened Gears 2:1 to 7:1 multiply all figures listed by 2

Weight: 26.3 kg.

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}) = 40 kg.

Output Overhung Load (F_{xa}) = 100 kg. Output Thrust Load (F_a) = 60 kg.

Input Keys: KK8-7-40. 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	166	156	147	138	120	111
1000	180	168	160	149	130	120
500	207	194	183	172	150	139
200	242	226	214	200	175	162
100	276	260	245	220	200	185
50	318	300	282	264	230	212
10	425	400	380	356	310	286

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