

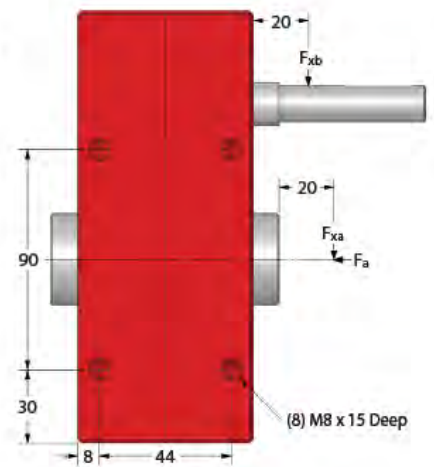
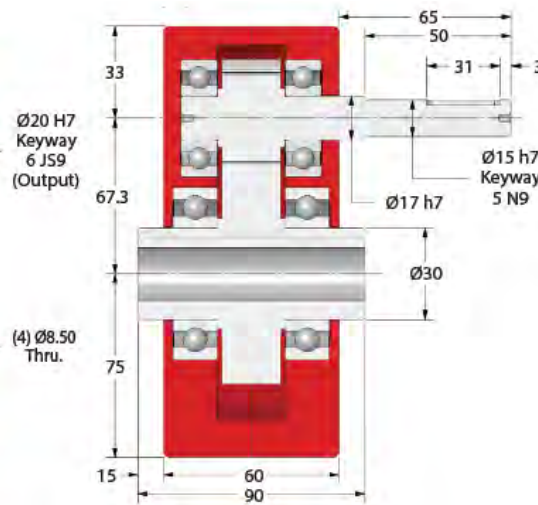
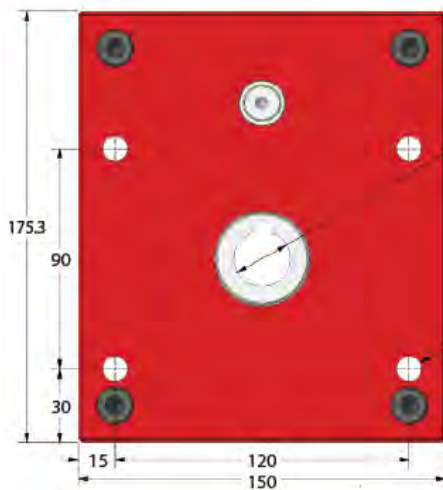
FF30

GEARBOXES

Parallel Spur Gear Reducer

15mm Shaft Input - 20mm Bore Output, 21.5 – 166 Nm **2:1 - 7:1**

FF30



Part Number	Ratio	Efficiency at 1000 Rpm	Nm output at 1000 Rpm
FF30-2	2:1	93%	39.10
FF30-3	3:1	93%	34.40
FF30-4	4:1	93%	29.80
FF30-5	5:1	93%	28.70
FF30-6	6:1	93%	27.30
FF30-7	7:1	93%	25.10
FF30-XH		Hardened Gears 2:1 to 7:1 multiply all figures listed by 2	

Weight: 5.5 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}) = 20 kg.

Output Overhung Load (F_{xa}) = 60 kg. Output Thrust Load (F_a) = 40 kg.

Input Keys: KK5-30. Output Keys: KK6-50.

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	33.20	29.10	25.20	24.30	23.90	21.50
1000	39.10	34.40	29.80	28.70	27.30	25.10
500	45.20	39.70	34.40	33.10	31.60	28.80
200	54.30	47.60	41.30	39.70	38.20	34.00
100	60.40	52.90	45.90	44.20	43.40	39.10
50	69.00	60.08	43.00	50.80	49.30	45.20
10	83.00	72.70	63.00	60.70	59.20	54.40

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