

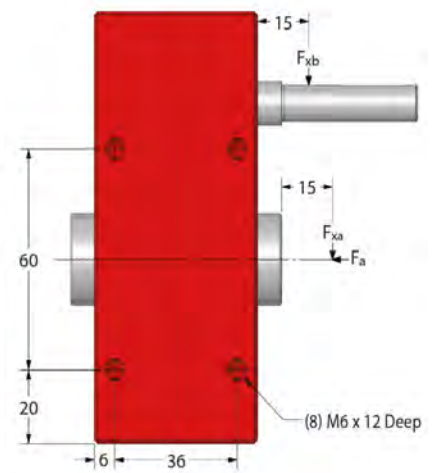
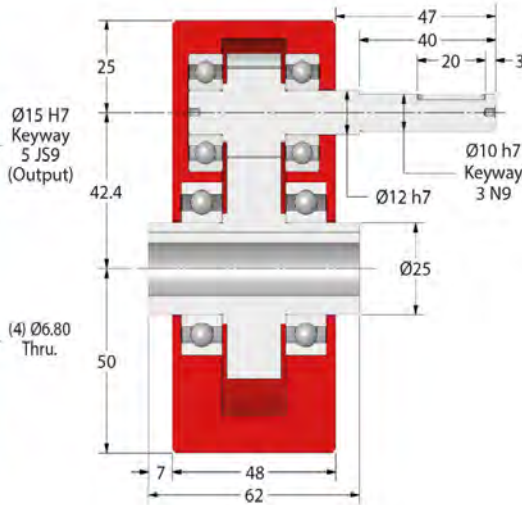
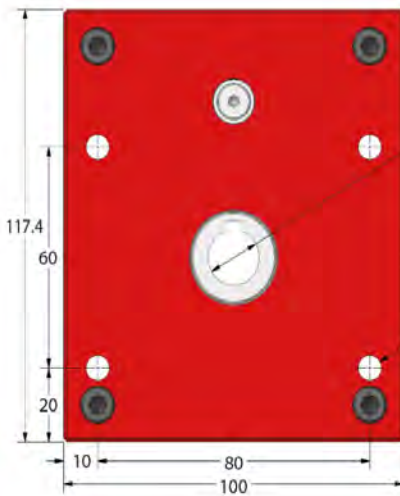
FF20

# GEARBOXES

## Parallel Spur Gear Reducer

10mm Shaft Input - 15mm Bore Output, 5.8 – 46 Nm **2:1 - 7:1**

FF20



Part Number	Ratio	Efficiency at 1000 Rpm	Nm output at 1000 Rpm
FF20-2	2:1	93%	10.80
FF20-3	3:1	93%	10.20
FF20-4	4:1	93%	9.50
FF20-5	5:1	93%	8.20
FF20-6	6:1	93%	7.80
FF20-7	7:1	93%	6.90
FF20-XH		Hardened Gears 2:1 to 7:1 multiply all figures listed by 2	

Weight: 1.9 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<sub>xb</sub>) = 16 kg.

Output Overhung Load (F<sub>xa</sub>) = 40 kg. Output Thrust Load (F<sub>a</sub>) = 30 kg.

Input Keys: KK3-20. Output Keys: KK5-40.

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	9.20	7.70	8.00	6.90	6.60	5.80
1000	10.80	10.20	9.50	8.20	7.80	6.90
500	12.50	11.80	11.00	9.60	9.00	8.20
200	15.00	14.20	13.10	11.50	10.80	9.80
100	16.70	15.70	14.60	12.80	12.00	10.90
50	19.20	18.10	16.80	14.15	13.80	12.50
10	23.00	21.60	20.00	17.50	16.50	15.00

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