

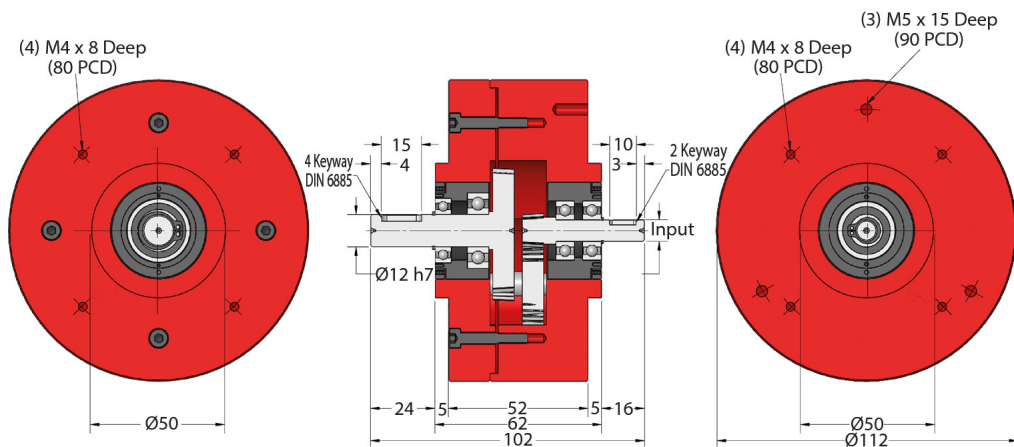
TG112

# GEARBOXES

TG112

## Inline Low Backlash Taper Gear Reducers

8mm Shaft Input, 12mm Shaft Output 3.1 – 12.7 Nm **2:1 - 16:1**



Part Number	Ratio	Efficiency at 1000 Rpm	Nm Output at 1000 Rpm	Direction
TG112-2A	2:1	92%	4.0	Same
TG112-4A	4:1	92%	4.5	Same
TG112-5A	5:1	92%	5.0	Same
TG112-6A	6:1	92%	5.6	Same
TG112-8A	8:1	92%	5.6	Same
TG112-10A	10:1	92%	5.0	Same
TG112-12A	12:1	92%	5.0	Same
TG112-16A	16:1	92%	4.5	Same

Weight: 1.50 kg.

Output Backlash:  $\leq 8$  arc/min at output.

Max. Input Speed: 3,000 Rpm.

Greased for Life: Shell Gadus S5 V42P 2.5.

Output Key: KK4-15. Input Key: KK2-10.

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	Reduction Ratio							
	2:1	4:1	5:1	6:1	8:1	10:1	12:1	16:1
3000	3.1	3.7	4.1	4.1	4.5	4.1	4.1	3.7
2000	3.5	3.9	4.2	4.5	4.8	4.3	4.3	3.8
1000	4.0	4.5	5.0	5.6	5.6	5.0	5.0	4.5
500	4.7	5.1	5.6	6.4	6.4	5.6	5.7	5.1
200	5.3	6.3	7.0	7.0	8.0	6.3	7.1	6.3
100	6.0	7.8	8.0	8.0	9.8	7.8	8.8	7.8
50	7.4	7.8	9.8	9.8	9.8	7.8	8.8	7.8
10	8.1	9.5	11.4	12.1	12.7	9.6	11.5	9.5

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