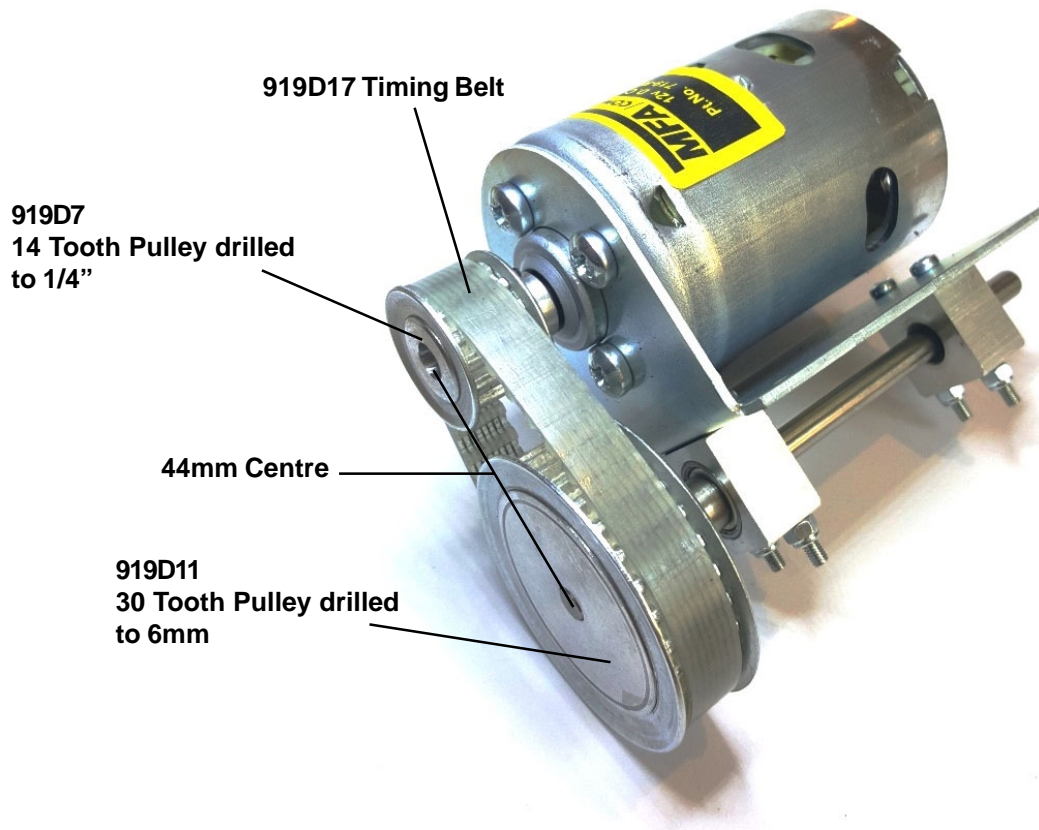


**960D & 965D SERIES BELT DRIVE REDUCTION UNITS**



- Part No: 960D211 (RE800 Motor)
- Part No: 965D211 (RE850 Motor)
- Part No: 966D2.11 (Without Motor)

This unit has been developed to meet a requirement for heavy duty high torque applications combined with relatively low power consumption.

The unit is powered by MFA/Como Drills 800 or MFA/Como Drills 850 series 12v d.c. 3 pole motors, with heavy duty carbon brush gear and double ended 6mm drive shaft. The motor is mounted on a rugged 1.5mm steel right angle bracket. The 2.1:1 reduction is achieved via two precision aluminium timing pulleys utilising a high quality toothed timing belt. The final drive is delivered through two block mounted precision ballraces with a 6mm keyed steel output shaft.

The RE800 motor version will deliver around 869 g.cm torque running at maximum efficiency.  
The RE850 motor version will deliver around 1035 g.cm torque running at maximum efficiency.

- Weight: 960D211 with motor. 745g
- 965D211 with motor. 745g
- 966D2.11 without motor. 240g

**MOTOR DATA. (RE800)**

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT W	EFF %	TORQUE	
			R.P.M.	A	R.P.M.	A	oz-in	g-cm			oz-in	g-cm
RE800	6 - 12	12v Constant	5000	1.1	4340	4.6	12.07	869	38.73	70.2	87.0	6264

Stall Current: RE800 at 12v = 25.86A

**MOTOR DATA. (RE850)**

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY						STALL TORQUE	
	OPERATING RANGE	NOMINAL	SPEED	CURRENT	SPEED	CURRENT	TORQUE		OUTPUT W	EFF %	TORQUE	
			R.P.M.	A	R.P.M.	A	oz-in	g-cm			oz-in	g-cm
RE850	6 - 12	12v Constant	10000	2.10	8977	10.6		1035	95.42	75.7		8863

Stall Current: RE850 at 12v = 80.45A

**IMPORTANT NOTICES:**

At very low ratios the torque produced by this geared motor combination may exceed the maximum permissible torque of the gearbox. In this situation the unit must not be allowed to stall as this may damage the gears. Due to the wide range of applications for this product it is the users responsibility to establish the products suitability for their individual purpose(s).