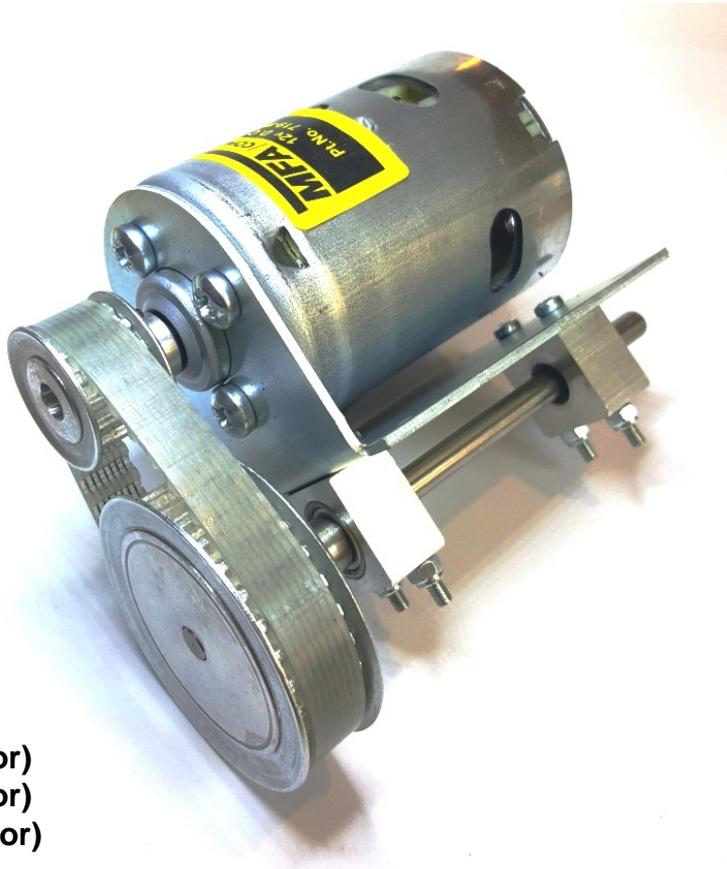


960D & 965D SERIES BELT DRIVE REDUCTION UNITS



Part No. 960D2.11 (RE-800 Motor)
 Part No. 965D2.11 (RE-850 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 RE-800 motor version will deliver around 1229 g.cm torque (0.12 Nm) running at maximum efficiency. The RE-850 motor version will deliver around 1380 g.cm torque (0.14 Nm) running at maximum efficiency.

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

MOTOR DATA. (RE-800)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY					STALL TORQUE		
	OPERATING RANGE	NOMINAL	SPEED R.P.M.	CURRENT A	SPEED R.P.M.	CURRENT A	TORQUE oz-in	TORQUE mN-m	OUTPUT W	EFF %	oz-in	mN-m
RE-800	12	12v Constant	5167	1.058	4289	5.28		82.08	36.84	58.2		482.8

Stall Current RE-800 at 12v = 25.86A

MOTOR DATA. (RE-850)

MODEL	VOLTAGE		NO LOAD		AT MAXIMUM EFFICIENCY					STALL TORQUE		
	OPERATING RANGE	NOMINAL	SPEED R.P.M.	CURRENT A	SPEED R.P.M.	CURRENT A	TORQUE oz-in	TORQUE mN-m	OUTPUT W	EFF %	oz-in	mN-m
RE-850	12	12v Constant	9778	1.90	8311	10.82		92.13	80.16	61.74		614

Stall Current RE-850 at 12v = 61.34A