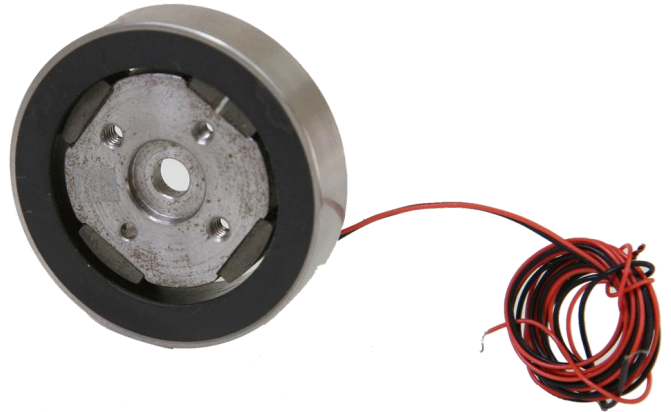


## MTM-40-9BL

### Brushless DC Torque Motor

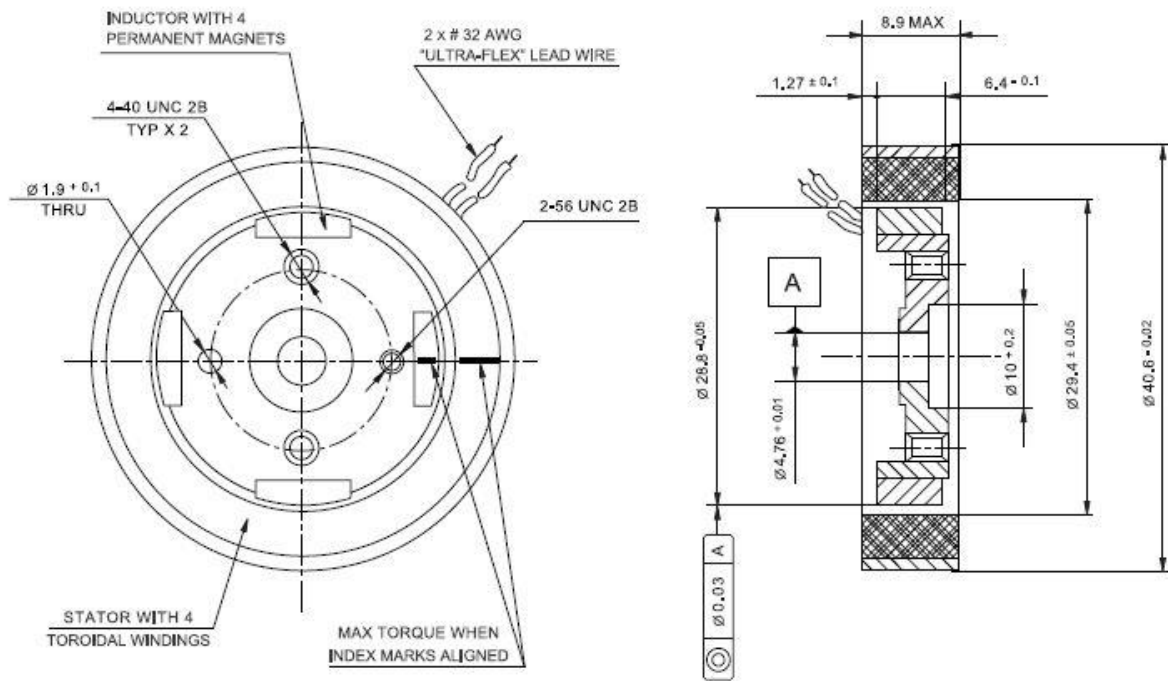
The MTM-40-9BL is a DC torque motor that provides smooth operation without slot effect. The MTM-40-9BL provides high accuracy in positioning, actuating, tensioning, measuring and indicating applications, for both military and industrial use. Brushless operation eliminates electrical and mechanical noise, as well as explosion hazard. The MTM-40-9BL is a rare earth Samarium-Cobalt magnet motor.



### Specifications

Parameter	Unit	Value
Peak Torque	mNm	44
Power at peak torque	Watts	25
Continuous torque	mNm	12
Power at continuous torque	Watts	2.3
Input voltage at continuous torque	V DC	3.5
Torque sensitivity	mNm /A	20mNm/A
DC Resistance	Ohm	5.7
Angular excursion at 90% of torque	deg	22
Back EMF constant	Volt/rad/sec	0.021
Electrical time constant L/R	Sec	$0.3 \times 10^{-4}$
Viscous damping	mNm /rad/sec	$7.1 \times 10^{-2}$
Weight	gr	60(max)

## Drawing



## For Additional Information

To learn more about MTM-40-9BL or other MTC products, contact MTC on **+972 4 998 7772** or email **marketing@mtcind.com**