

# Permanent Magnet Clutches & Brakes

## Basic Information

For more information and detail drawings visit our website:

[www.precisiontork.com](http://www.precisiontork.com)

- Handle with care. Internal magnets are brittle.
- Do not use a hammer on any surface of this product.
- Do not exceed the specified shaft side load capacities.

**NOTE: MC6/MB6 ONLY; Use 1" Face Spanner Part Number YTL2-0002**

**(McMASTER #5480A11) On Adj. End Cap To Make Torque Adjustment.**

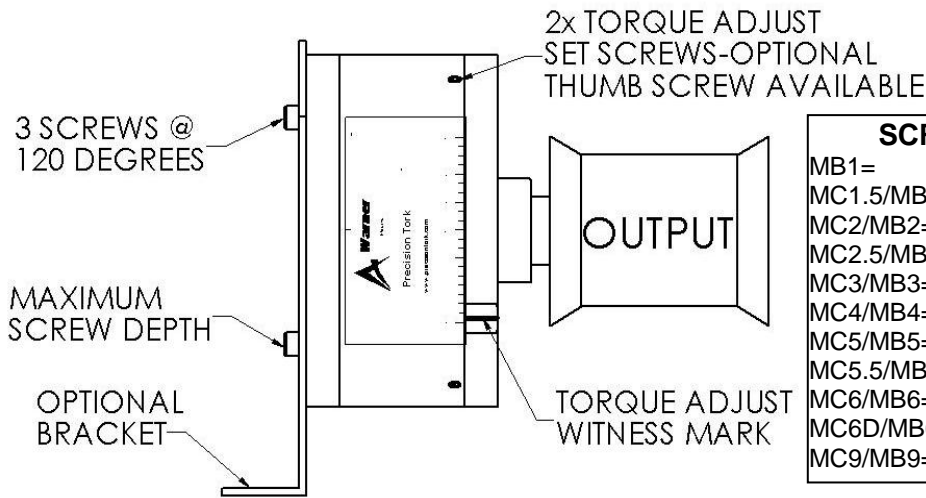
### SHAFT SIDE LOAD CAPACITIES

MB1=	1lbs. @ 1"	4.45N @ 25.4mm
MC1.5/MB1.5=	5lbs. @ 1"	22.24N @ 25.4mm
MC2/MB2=	5lbs. @ 1"	22.24N @ 25.4mm
MC2.5/MB2.5=	10lbs. @ 1"	22.24N @ 25.4mm
MC3/MB3=	10lbs. @ 1"	44.48N @ 25.4mm
MC4/MB4=	10lbs. @ 1"	44.48N @ 25.4mm
MC5/MB5=	25lbs. @ 1"	111.20N @ 25.4mm
MC5.5/MB5.5=	25lbs. @ 1"	111.20N @ 25.4mm
MC6/MB6=	25lbs. @ 1"	111.20N @ 25.4mm
MC6D/MB6D=	25lbs. @ 1"	111.20N @ 25.4mm
MC9/MB9=	50lbs. @ 1"	222.41N @ 25.4mm

**NOTE: IF LOAD IS PLACED FURTHER THAN 1" (25.4mm) FROM THE FACE OF THE UNIT, THEN THE AMOUNT OF LOAD MUST BE REDUCED PROPORTIONALLY.**

## Brake Installation

Examples: Wire Payoff, Film Unwind

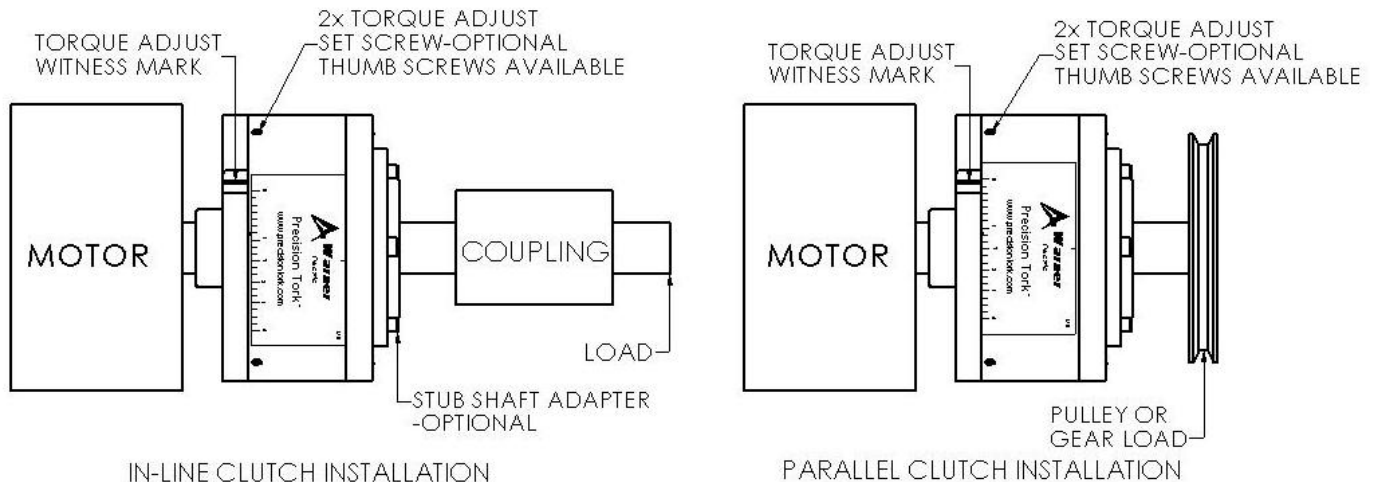


### SCREW THREAD x MAX. DEPTH

MB1=	4-40 x .250in (M3 x 6.35mm)
MC1.5/MB1.5=	6-32 x .300in (M4 x 7.62mm)
MC2/MB2=	6-32 x .300in (M4 x 7.62mm)
MC2.5/MB2.5=	10-32 x .437in (M4 x 11.10mm)
MC3/MB3=	10-32 x .437in (M4 x 11.10mm)
MC4/MB4=	10-32 x .437in (M5 x 11.10mm)
MC5/MB5=	10-32 x .500in (M6 x 12.70mm)
MC5.5/MB5.5=	10-32 x .500in (M6 x 12.70mm)
MC6/MB6=	1/4-20 x .312in (M6 x 7.92mm)
MC6D/MB6D=	1/4-20 x .500in (M6 x 12.70mm)
MC9/MB9=	5/16-18 x .475in (M6 x 12.06mm)

## Clutch Installation

Examples: Scrap Rewind, Conveyor Drive, Wire Winding



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