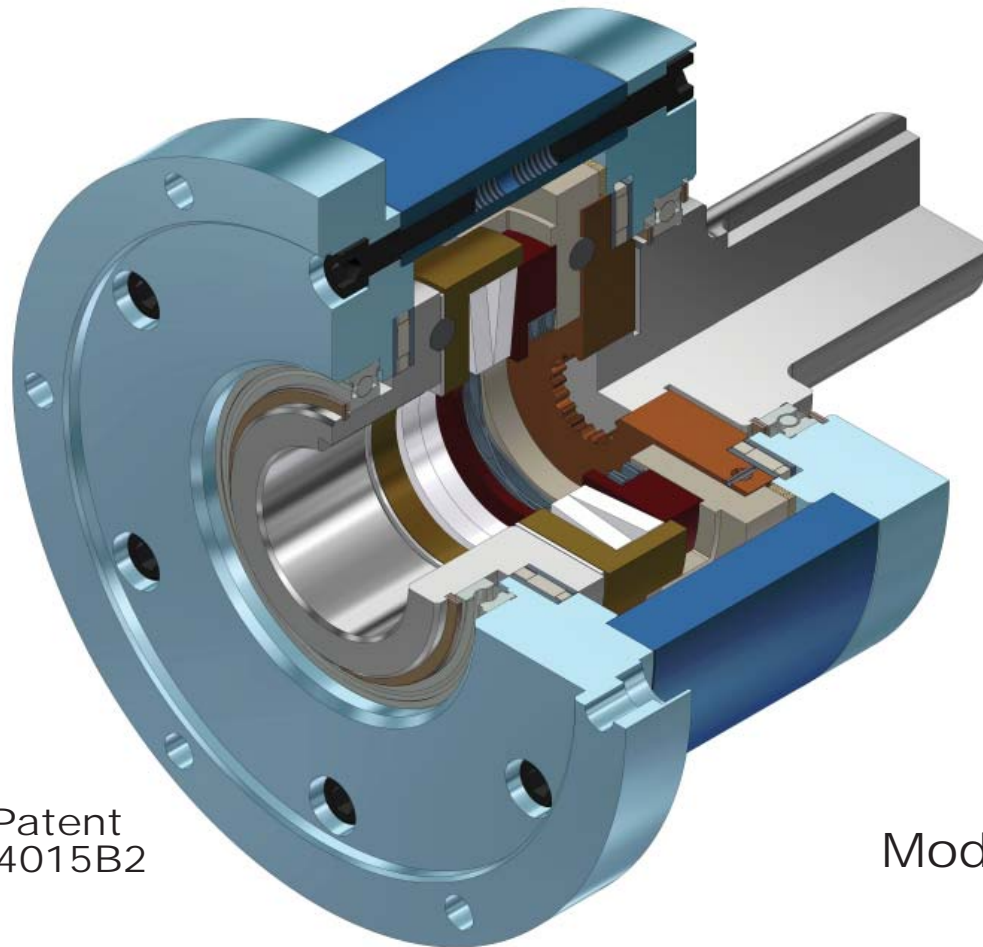


# Torq-Lok® One-way Bi-Directional Clutch

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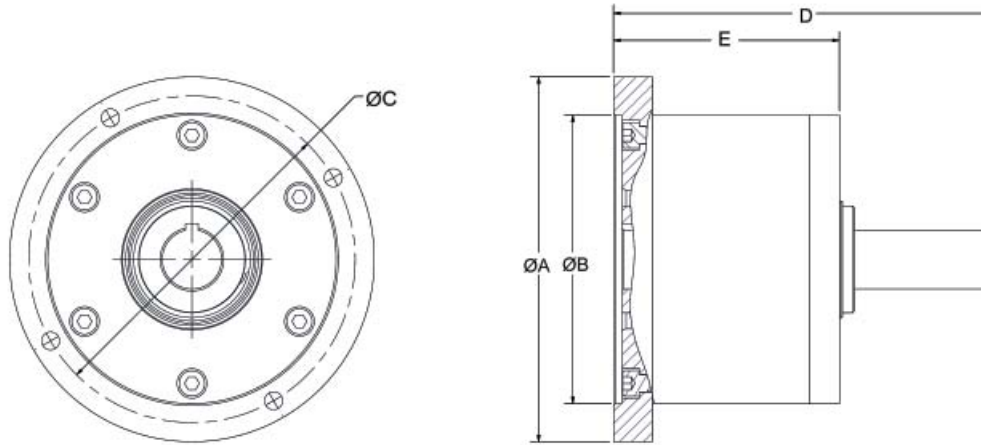


US Patent  
6974015B2

Model MTL

## THE MAXITORQ® ADVANTAGE

- Unique friction disc/ball ramp design establishes locking torque
- Ability to sustain substantial torque overload and shock loading
- Smooth rotation at the driving end regardless of the direction of the load
- Self locking
- Easily integrated with other MAXITORQ® products
- Optional ability to set a firm slip point



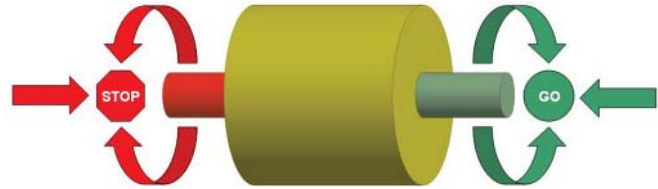
**SPECIFICATIONS**

Model	Static Torque (lb. ft.)	ØA	ØB	ØC	Bolt Size	Standard Bore & Shaft Size*	Keyway	D	E
MTL0350	15	5.250	4.250	4.750	1/4	7/8	3/16 X 3/32	5.560	3.460
MTL0450	60	5.750	4.750	5.250	1/4	1 3/8	1/4 X 1/8	5.640	3.540
MTL0600	180	8.063	6.438	7.313	5/16	1 7/8	3/8 X 3/16	6.422	4.310

\*Other bore sizes are available. All dimensions are in inches. Dimensions are for reference only and are subject to change.

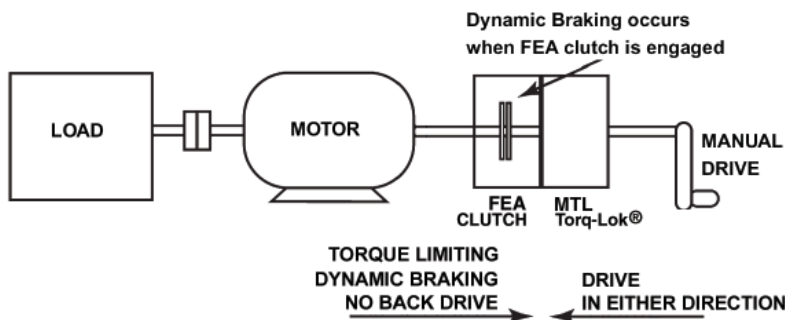
Maxitorq® Model MTL TORQ-LOK® is a patented, one way, bi-directional clutch. The clutch permits the transmission of torque from the input shaft to the output shaft in either direction. The clutch does not allow the output shaft to backdrive the input shaft.

For multiple functional requirements, the Model MTL® can be readily integrated with other Carlyle Johnson clutches, brakes or torque limiters. This gives the engineer a tool to combine components for a lighter, more streamlined design.



For example, by incorporating an MTL Torq-Lok® with a Carlyle Johnson spring applied clutch we can offer braking, torque limiting and manual driving with no back drive.

The Carlyle Johnson Machine Company, L.L.C. has been at the forefront of innovative power transmission technology for over one hundred years. During this time we have leveraged advances in materials and pushed the boundaries of design to create highly efficient and effective solutions to fulfill our customers' unique requirements.



Focusing on new applications with ever-changing power transmission needs, we remain at the leading edge with new innovations requiring advanced R&D, testing and prototype development.

Our engineering staff is capable of solving your toughest power transmission challenges. We are always just a phone call away.



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