

Purpose

The purpose of the Model D80 Overtorque Clutch is to prevent damage caused by excessive handwheel torque.

Applications

Valves, actuators and other handwheel-actuated equipment.

Function

The Model D80 is mounted on the actuator shaft between the actuator and handwheel. Handwheel torque is transmitted from the handwheel through the Model D80 to the actuator or valve.

The D80 will transmit operating torque but will not transmit torque greater than its pre-set limit.

Capacities and Ranges

Trip Torque :	0 to 140 Nm [0 to 100 lbft]	<i>Higher torque capacity models are available.</i>
Operating Temperature :	-25° to 120° C [-10° to 250° F]	<i>Higher and lower temperature models are available.</i>
Max standard bore & shaft ø :	ø 30 mm [ø 1.181 in]	<i>Larger end connections are available</i>

Mounting

D80 comes pre-machined to fit your application and ready to mount without modifications or special tools. Simply remove the handwheel. Mount the D80 on the actuator or valve shaft. Mount the handwheel on the D80 shaft.

Calibration

D80 comes pre-calibrated specifically for your application. Field calibration can be performed if needed by turning the calibration screw inward to increase trip torque or outward to decrease.

See page 2 for calibration curve.

Features

- Water Tight: IP 68 to 70 meters (230 feet) submersion.
- Corrosion protected: Fusion-bonded epoxy coated. Stainless steel fasteners.
- Permanently-lubricated, hermetically-sealed mechanism.
- Easy, single-point calibration.
- Concealed calibration screw to discourage tampering.

Maintenance

No maintenance is required.

PREVENT ACTUATOR DAMAGE



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