

TorkDrive Data Sheet

TorkDrive, is a device that is custom engineered to suit a host valve. It can be mounted to either the valve input handwheel or directly to the valve input shaft to safeguard a valve from excessive torque.



DESCRIPTION

TorkDrive can increase valve life as it prevents the operator from applying excessive force when opening and closing the valve, protecting both the valve and valve seat. TorkDrive limits the torque applied when operating a valve, regardless of the strength of the operator.

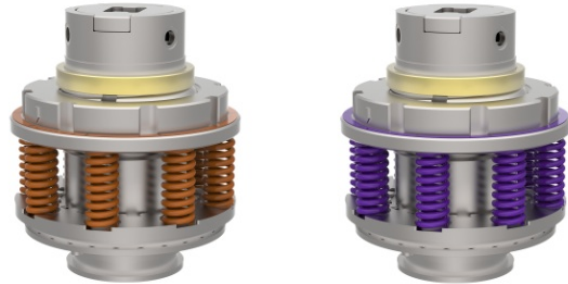
TorkDrive is set to a predetermined maximum torque and, if during the operation of the valve, the operating torque increases above the pre-set limit, the TorkDrive will slip, indicating an irregular valve condition.

TorkDrive features unique clutch plates that are controlled by a series of calibrated compression springs. Two spring set configurations are available, a low range TorkDrive unit offering a maximum torque output range between 80Nm – 280Nm and a high range unit offering 250Nm – 420Nm. Each unit is factory set before installation and the unit can be adjusted to suit the host equipment's torque requirements using a calibrated setting scale within the body of the device. Each spring set has a unique colour code, thus ensuring that the correct torque range is always used.



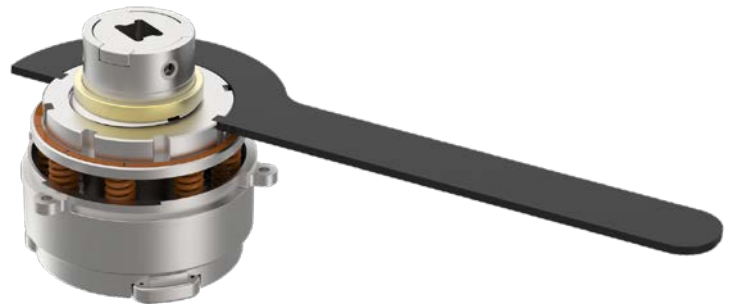
Colour Coded Spring Sets:

- 80Nm – 280Nm
- 250Nm – 420Nm



TorkDrive Torque Setting:

- For making fine adjustments



TorkDrive Technical Specifications:

- Safeguards valves from excessive torque
- Mounted to either the valve input handwheel or valve input shaft
- A compact design, weighing 6.1kg
- All external parts – 316 Stainless Steel
- Maintenance free
- Suitable for all climatic conditions - IP65 protection
- Withstands temperatures from -20°C to +100°C
- Torque setting range from 80Nm – 420Nm
- Unique colour coded spring sets (adjustable)
- Adaptable to any size and type of valve
- Can be used in conjunction with EasiDrive