



PIPE TOOLS & VISES
SINCE 1896

VOKUCLUTCH UTILITY CLUTCH WITH OVER TORQUE PROTECTION

*With adjustable trip torque setting and Auto-Reset

Purpose

The purpose of the Utility Clutch is to protect the operator and prevent valve or other equipment damage by limiting the amount of operating torque that can be applied.

Applications

Portable power units (power drives) for valve operators and valve exercising

Operation

Operating torque is applied by the power valve operator to the housing of the Clutch and is transmitted through the Clutch to the valve. If the applied torque exceeds the trip torque set point, the Clutch will declutch automatically and potentially damaging torque will not be transmitted. Trip torque is the same in either direction of rotation. Re-engagement at the pre-set trip torque is automatic with further rotation in either direction.

Trip Torque Range

The Clutch trip torque is set at the factory at 150 lb-ft but has an adjustable range of 7 lb-ft to 204 lb-ft.

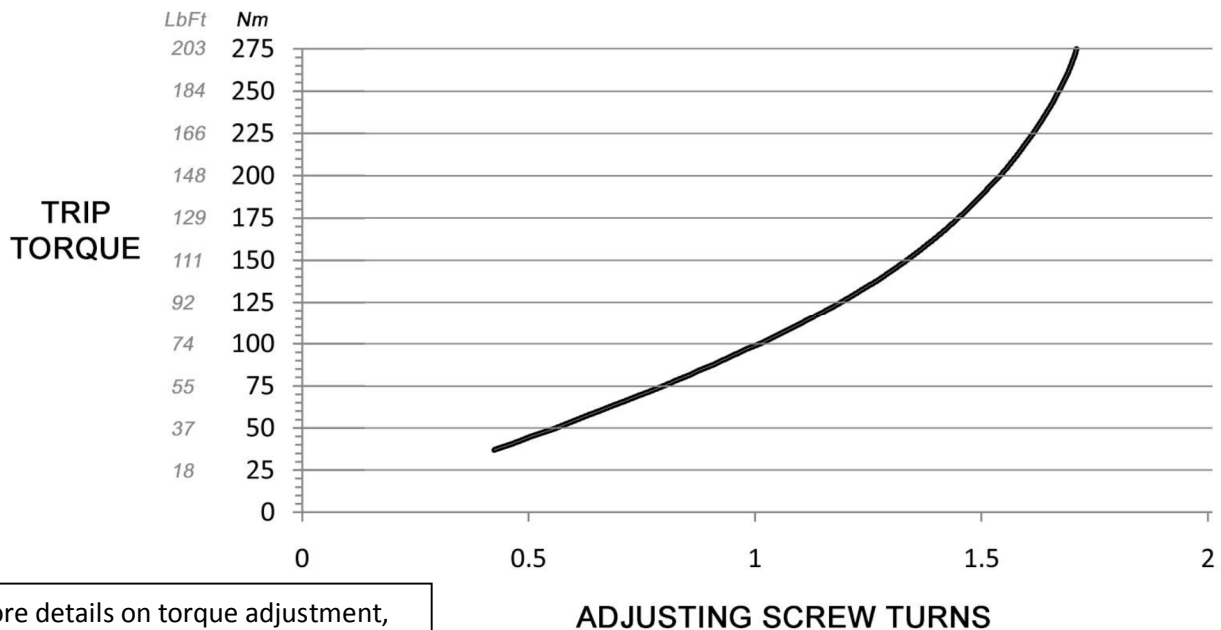
Recalibration or Torque Adjustment

A torque wrench or other instrument must be used to calibrate the torque. Loosen the calibration lock-nut located on the top of the housing using a hex key wrench to maintain the calibration set screw position. Turn inward to increase trip torque or outward to decrease. See Calibration Curve on chart below. Replace calibration lock-nut and tighten to lock the calibration.

NOTE: Technician needs a means to hold the receptor end to prevent it from rotating or turning. The clutch needs to be held tight during adjustment. Use of a vise can scrape or damage the housing. Technician also needs a 1" square adapter to fit a 1/2" drive torque wrench.

Maintenance

No maintenance is required. The mechanism is permanently lubricated and sealed.



For more details on torque adjustment, refer to the VOKUCLUTCH on www.reedmfgco.com.