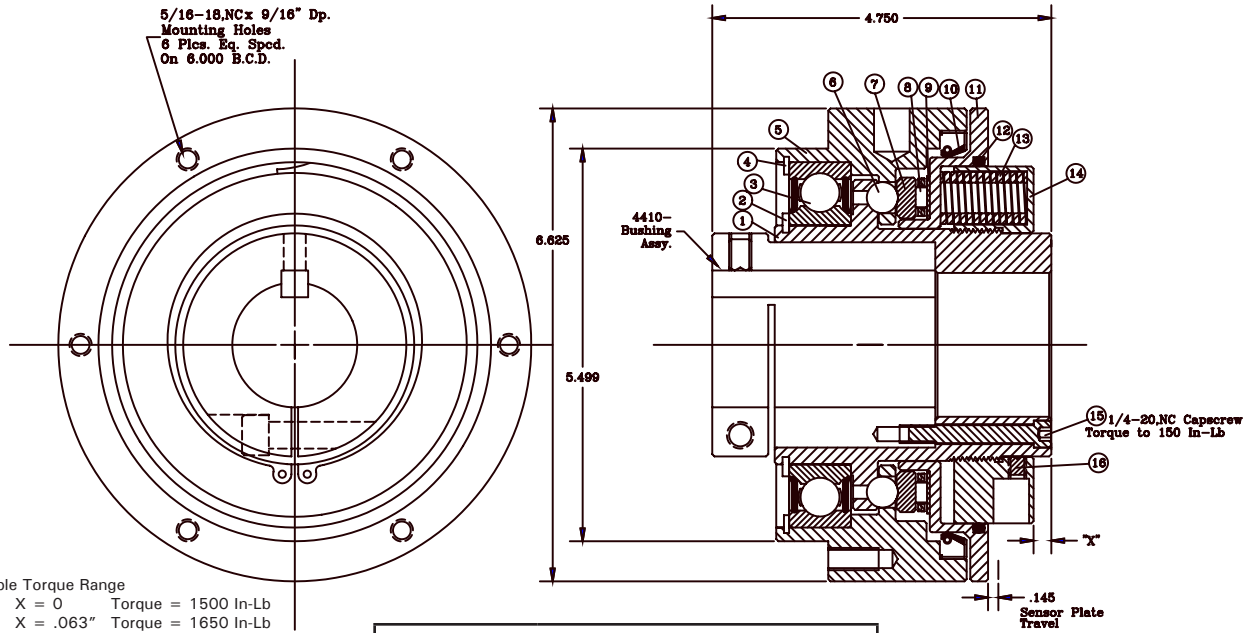


MODEL TLSP60



NOTE:

1. Adjustable Torque Range

X = 0	Torque = 1500 In-Lb
X = .063"	Torque = 1650 In-Lb
X = .125"	Torque = 3750 In-Lb
X = .188"	Torque = 4850 In-Lb
X = .250"	Torque = 6000 In-Lb
2. 900 RPM Max.

BORE SIZES		
4410-1	1.250	Std 1/4 KW
4410-2	1.375	Std 5/16 KW
4410-3	1.438	Std 3/8 KW
4410-4	1.500	Std 3/8 KW
4410-5	1.625	Std 3/8 KW
4410-6	1.750	Std 3/8 KW
4410-7	1.875	Std 1/2 KW
4410-8	1.938	Std 1/2 KW
4410-9	2.000	Std 1/2 KW

TLSP60

The model TLSP60 is a totally enclosed single-position torque limiter. This unit is a ball and detent type coupling which is engaged with an adjustable spring load. The ball pattern is unsymmetrical so that the two coupling halves will engage in only one rotational position. When a torque is applied which is higher than the springs can overcome the balls roll out of the detents and move a sensor plate which can be used as a signal. The coupling will reengage when the correct angular rotation is met. The spring force is adjusted by one large nut and is locked in place with setscrews. The unit requires a bushing for mounting to the shaft. See the table for the available bore sizes.

INSTALLATION

Before installing the unit, be sure the shaft is clean and free of burrs. Coat the shaft with anti-seize to prevent corrosion. Mount the sprocket or pulley on the backplate of the torque-limiter. Install the key in the shaft keyway. Slide the bushing onto the shaft and over the key. Position the bushing and tighten the lock-collar capscrew and keyway set-screw. Slide the unit onto the shaft and over the bushing. Install the capscrews and tighten to the specified torque. Adjust the spring-nut to the desired torque setting (see the OX" dimension and the note) and tighten the setscrews to lock the setting.

PARTS LIST			
Item	Description	Part Number	Qty
1.	Hub	4416	1
2.	Snap Ring	1417	1
3.	Bearing	2508	1
4.	Retaining Ring	4418	1
5.	Backplate	4419	1
6.	Ball	4420	6
7.	Thrust Race	4421	1
8.	Bearing	4422	1
9.	Washer	4423	1
10.	Seal	4425	1
11.	Spring Plate	4424	1
12.	O Ring	2453	1
13.	Spring	4426	12
14.	Spring Nut	4427	1
15.	Capscrow	1666-9	8
16.	Capscrow	1441-5	3