

## 99022: Large Latching Solenoid

### Description

This is a linear on / off solenoid with a built in latching feature that holds the solenoid in either position.

The latching feature can be achieved by employing TLX's residual magnetism or adding permanent magnets. Strokes and latching force are flexible depending upon solenoid size and design requirements.

### Features:

- High latching forces
- Fast response
- Low Power consumption
- Can be optimized for specific load holding capability



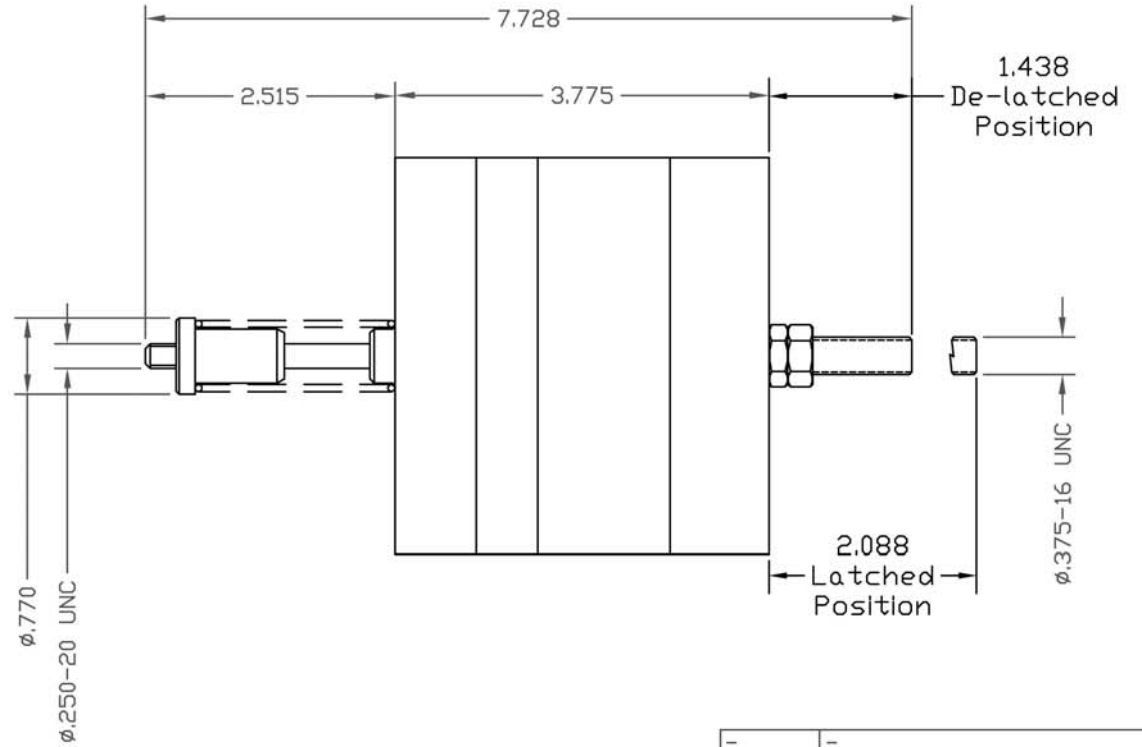
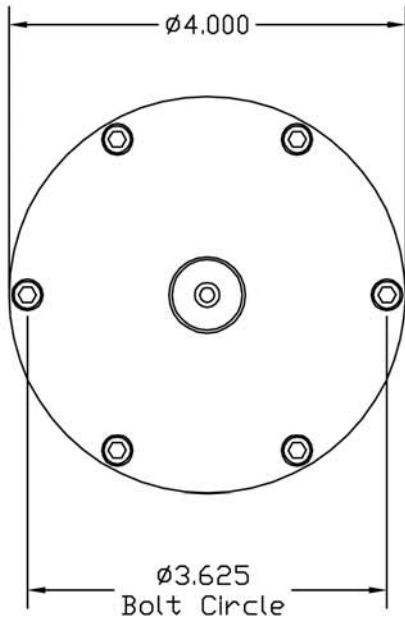
### Specifications:

### English

Stroke (can be designed to specification)	.65inches (16.5 mm)
Pull force @ 0.65 inches	50lbs (223 N)
Resistance at 20 °C	1.25 Ω at 20 °C
Latching Force	200lbs (890 N)
Supply Voltage	48 VDC
Durability	> 100K cycles
Connector type	Open

### Possible Applications:

- Switch Gear
- Brake Systems
- Industrial Controls
- Machine Controls



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ECO/DATE	CHANGE DESCRIPTION

PERFORMANCE SPECIFICATION:

COIL RESISTANCE:	1.25 OHMS
SUPPLY VOLTAGE:	48 VDC
PLUNGER TRAVEL:	0.650 INCHES
SPRING PRE-LOAD	15 LBS.
LATCHING FORCE:	250 LBS MIN.
SHIFT VELOCITY:	1.30 M/SEC

SPECIFICATIONS

Material:

Heat Treat:

Remove All Burrs.

CAD File No.

99022-WEB

**TLX** TECHNOLOGIES

STANDARD DIMENSIONAL TERMS ARE:  
 DIMENSIONS IN [ ] ARE IN MM  
 ANGULAR DIMENSIONS ARE  $\pm 1^\circ$   
 -  
 1 DECIMAL POINT (.0) IS  $\pm .020$   
 2 DECIMAL POINT (.00) IS  $\pm .010$   
 3 DECIMAL POINT (.000) IS  $\pm .005$   
 4 DECIMAL POINT (.0000) IS  $\pm .0001$   
 -  
 G.D & T PER ANSI 14.5M  
 -  
 125  $\sqrt{\quad}$  UNLESS SPECIFIED

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DRG SIZE	SCALE	DO NOT SCALE FROM DRAWING
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Drawn By:	Drawn Date:	Drawing Number:
Chk By:	Chk Date:	99022-WEB

Description

LATCHING SOLENOID

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