

STA® Push Tubular Solenoids — 1/2" Dia. x 1/2"

Part Number: 195201-**X****XX**

All catalog products manufactured after
April 1, 2006 are RoHS Compliant

Coil AWG Number
(from performance chart below)

Plunger Configurations and anti-rotation flat on mounting
2 60° plunger without anti-rotation flat
6 60° plunger with anti-rotation flat

Well-suited
for battery
operation.



See the "Battery Operated
Solenoids" section for
complete information.

Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously ¹	∞	50	5	2
Maximum ON Time (sec) for single pulse ²	∞	140	30	8
Watts (@ 20°C)	3	6	12	30
Ampere Turns (@ 20°C)	268	379	536	847

Coil Data

awg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
27	0.48	108	1.2	1.7	2.4	3.8
28	0.67	123	1.5	2.1	2.9	4.6
29	1.33	184	1.9	2.7	3.9	6.1
30	1.80	204	2.4	3.3	4.7	7.5
31	3.33	290	3.1	4.4	6.2	9.7
32	4.57	325	3.8	5.3	7.5	11.9
33	7.80	432	4.8	6.8	9.7	15.3
34	13.10	567	6.2	8.8	12.4	19.6
35	17.80	630	7.6	11.0	15.0	24.0
36	29.05	808	9.6	14.0	19.0	30.0
37	45.70	1008	12.2	17.0	24.0	38.0

¹ Continuously pulsed at stated watts and duty cycle

² Single pulse at stated watts (with coil at ambient room temperature 20°C)

³ Other coil awg sizes available — please consult factory

⁴ Reference number of turns

Specifications

Dielectric Strength	500 VRMS
Recommended Minimum Heat Sink	Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 2" square by 1/8" thick
Coil Resistance	±5% tolerance
Weight	0.51 oz (14.5 gms)
Dimensions	Ø0.52" x 0.55" L (See page F31)

How to Order

Add the plunger configuration, anti-rotation flat number, and the coil awg number to the part number (for example: to order a unit with a 60° plunger configuration without an anti-rotation flat rated for 4.7 VDC at 25% duty cycle, specify 195201-230).

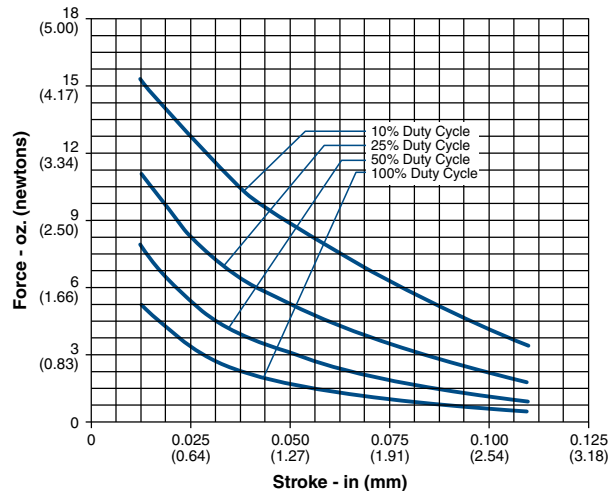
Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our North American distributors.

All specifications subject to change without notice.

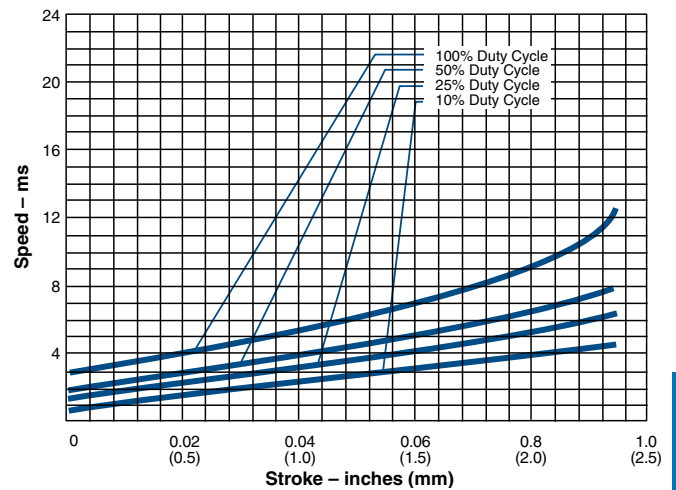
STA® Push Tubular Solenoids — 1/2" Dia. x 1/2"

Push Tubular Solenoid – 1/2" dia. x 1/2" – 60° Plunger

Typical Force @ 20°C



Typical Speed @ No Load, 20°C



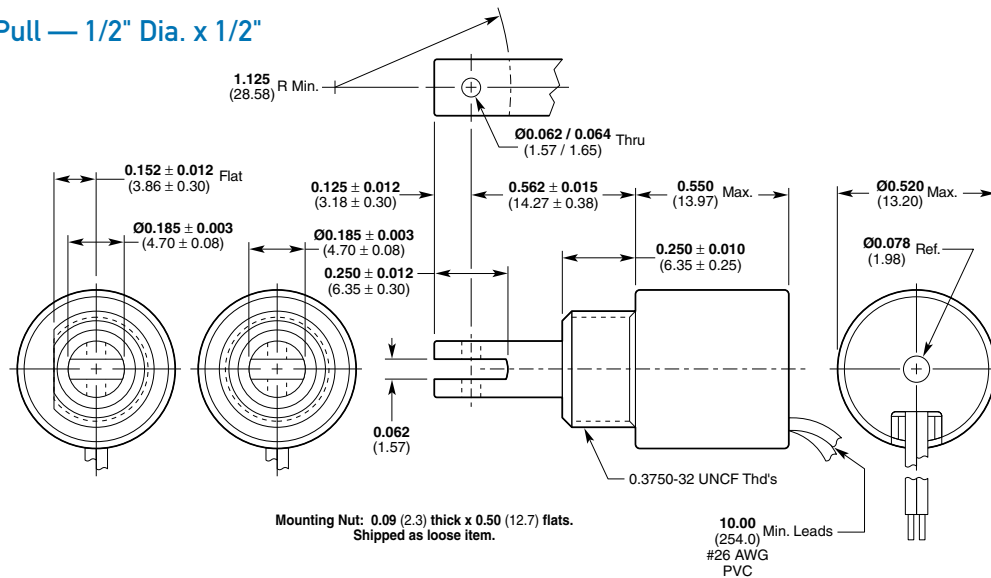
LINEAR Tubular

All specifications subject to change without notice.

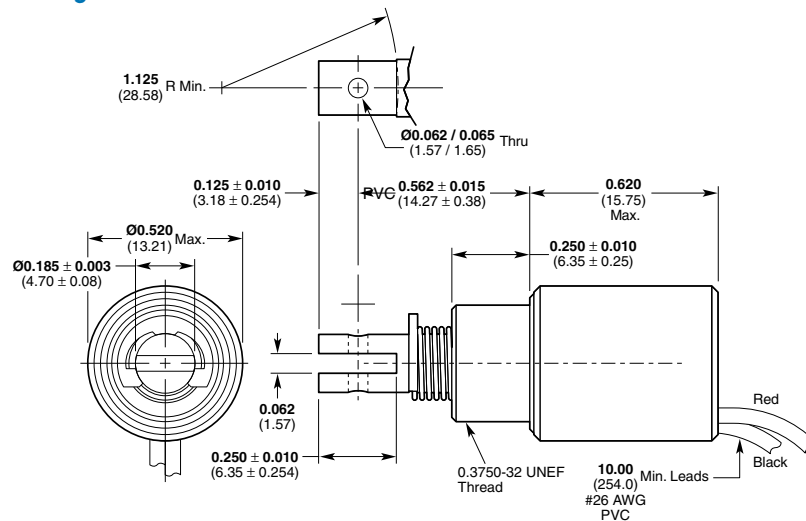
Ledex® Tubular Solenoids Dimensions

Inches (mm)

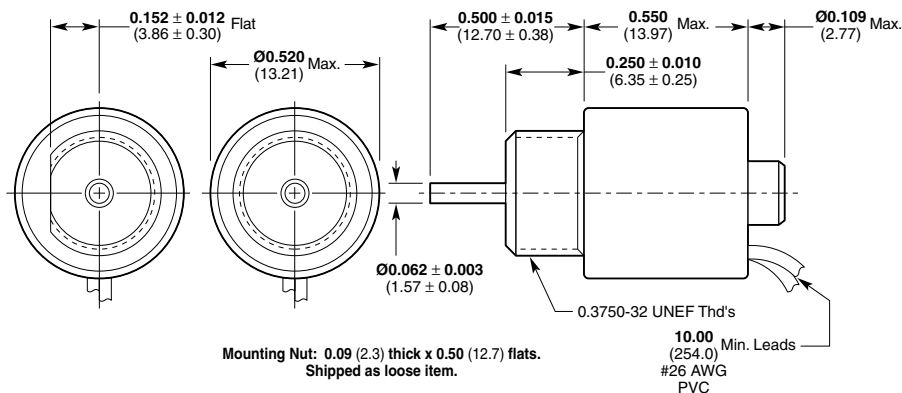
STA® Series Pull — 1/2" Dia. x 1/2"



STA® Series Magnetic Latching Pull — 1/2" Dia. x 1/2"



STA® Series Push — 1/2" Dia. x 1/2"



All solenoids are illustrated in energized state

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