

Ledex® Size 175 Pull Tubular Solenoids — 1-3/4" Dia. x 4-3/4"

Part Number: 194580-0XX

Class 180 H UL Recognized
Coil Insulation System

UL File No. E131577

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

Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously ¹	∞	882	209	54
Maximum ON Time (sec) for single pulse ²	∞	1,200	528	162
Watts (@ 20°C)	20	40	80	200
Ampere Turns (@ 20°C)	2923	4133	5844	9238

Coil Data						
avg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	14.60	2544	17.1	24.2	34.2	54.0
24	23.30	3204	21.6	30.5	43.2	68.3
25	36.40	3990	27.0	38.2	54.0	85.3
26	56.20	4906	33.5	47.4	67.1	106.0
27	95.30	6474	43.7	61.7	87.3	138.1
28	142.90	7798	53.5	75.6	106.9	169.1
29	231.80	9952	68.1	96.3	136.2	215.3
30	368.40	12510	85.8	121.4	171.7	271.4
31	575.40	15520	107.3	151.7	214.6	339.2
32	940.20	19895	137.1	193.9	274.3	433.6
33	1,425.00	24125	168.8	238.7	337.6	533.9

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 avg sizes available — please consult factory

⁴ Reference number of turns

Specifications

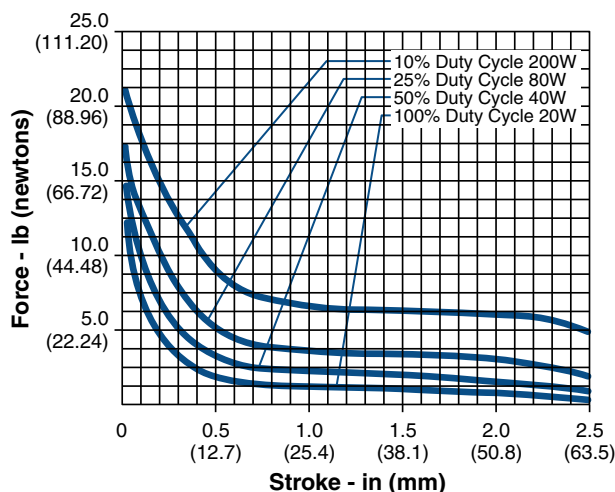
Dielectric Strength	1000 VRMS
Recommended Minimum Heat Sink	Maximum watts dissipated by solenoid are based on an unrestricted flow of air at 20°C, with solenoid mounted on the equivalent of an aluminum plate measuring 10" square by 1/8" thick
Coil Resistance	±5% tolerance
Holding Force	18 lbs (80.1 N) @ 20°C
Weight	2.25 lb (1.02 kg)
Dimensions	Ø1.75" x 4.71" L (See page F32)

How to Order

Add the coil avg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 87 VDC, specify 194580-027).

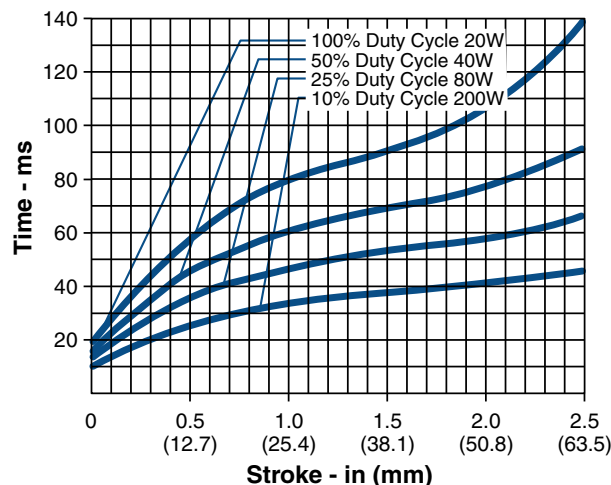
Please see www.ledex.com (click on Stock Products tab) for our list of stock products available through our North American distributors.

Size 175 Pull — Typical Force @ 20°C



Force values for reference only.

Size 175 Pull — Typical Speed @ No Load, 20°C

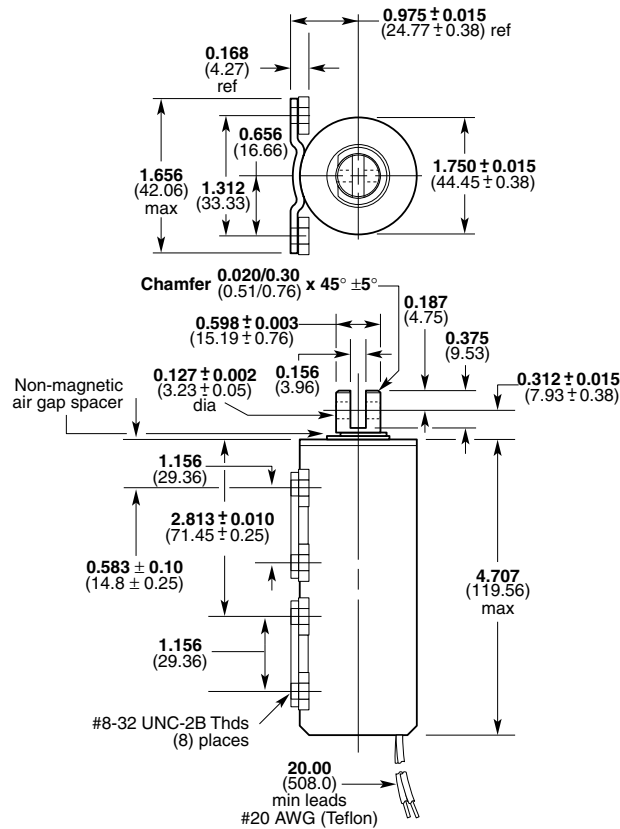


All specifications subject to change without notice.

Ledex® Tubular Solenoids Dimensions

Inches (mm)

Ledex® Size 175 Pull — 1-3/4" Dia. x 4-3/4"



LINEAR Tubular

All solenoids are illustrated in energized state

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