

Ledex® Size 150 Pull Tubular Solenoids — 1-1/2" Dia. x 2-1/2"

Part Number: 174432-0XX

All products are RoHS Compliant

LINEAR Tubular

Coil AWG Number
(from performance chart below)

Performance

Maximum Duty Cycle	100%	50%	25%	10%
Maximum ON Time (sec) when pulsed continuously ¹	∞	420	100	25
Maximum ON Time (sec) for single pulse ²	∞	570	252	75
Watts (@ 20°C)	17	34	68	170
Ampere Turns (@ 20°C)	1800	2546	3600	5692

Coil Data

awg (0XX) ³	Resistance (@20°C)	# Turns ⁴	VDC (Nom)	VDC (Nom)	VDC (Nom)	VDC (Nom)
23	5.58	1030	9.8	13.9	19.7	31.0
24	9.30	1344	12.4	17.6	25.0	39.0
25	14.90	1712	15.7	22.0	31.0	50.0
26	24.00	2180	19.9	28.0	40.0	63.0
27	36.90	2680	25.0	35.0	50.0	79.0
28	58.40	3322	32.0	45.0	63.0	100.0
29	87.50	4008	39.0	56.0	79.0	124.0
30	148.00	5292	50.0	71.0	101.0	159.0
31	224.00	6360	63.0	90.0	127.0	200.0
32	344.00	7956	78.0	110.0	155.0	246.0
33	554.00	10070	100.0	141.0	199.0	315.0

- 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	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 6" square by 1/8" thick
Coil Resistance	±5% tolerance
Holding Force	14.5 lbs (64.5 N) at 20°C
Weight	17 oz (481.8 g)
Plunger Weight	3.35 oz (95.0 g)

How to Order

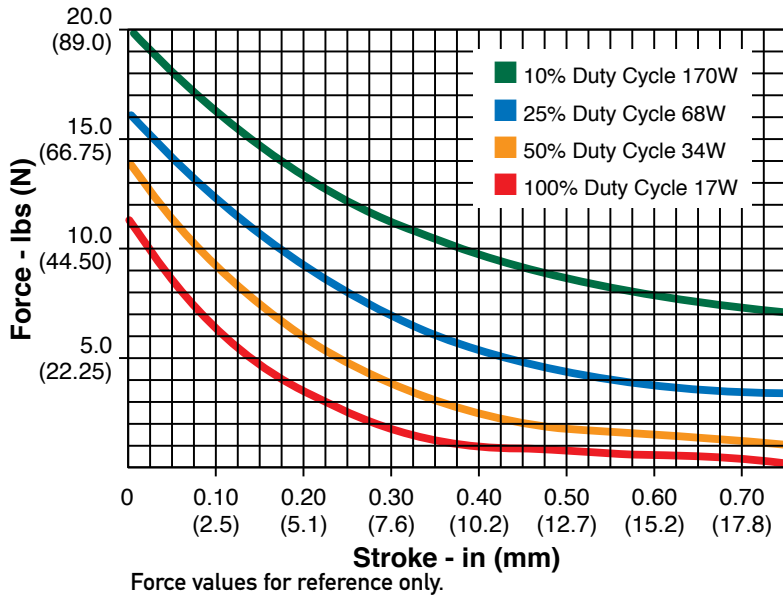
Add the coil awg number (0XX) to the part number (for example: to order a 25% duty cycle unit rated at 50 VDC, specify 174432-027).

Please see www.ledex.com for our list of stock products available through our North American distributors.

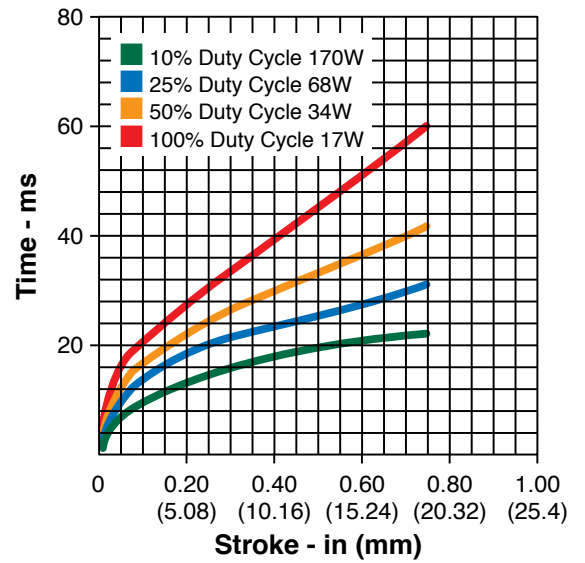
All specifications subject to change without notice.

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Typical Force @ 20°C



Typical Speed @ No Load, 20°C



Dimensions

Inches (mm)

All solenoids are illustrated in energized state

