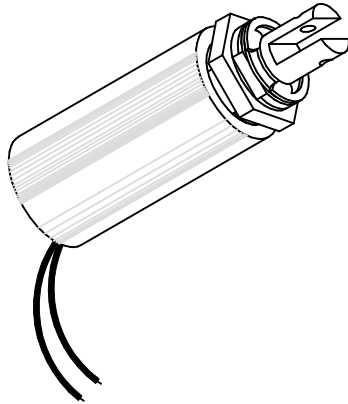


# MAGNETIC SENSOR SYSTEMS

## *Pull Type Tubular Solenoid*



Series S-15-75  
3/4" DIA X 1 1/2"

TOTAL WEIGHT: 2.7 OUNCES

PLUNGER WEIGHT: 0.6 OUNCES

duty cycle	1	1/2	1/4	1/10
maximum "ON" time, (Sec.)	$\infty$	180	30	8
watts	8	16	32	80
approximate ampere turns	790	1110	1580	2490

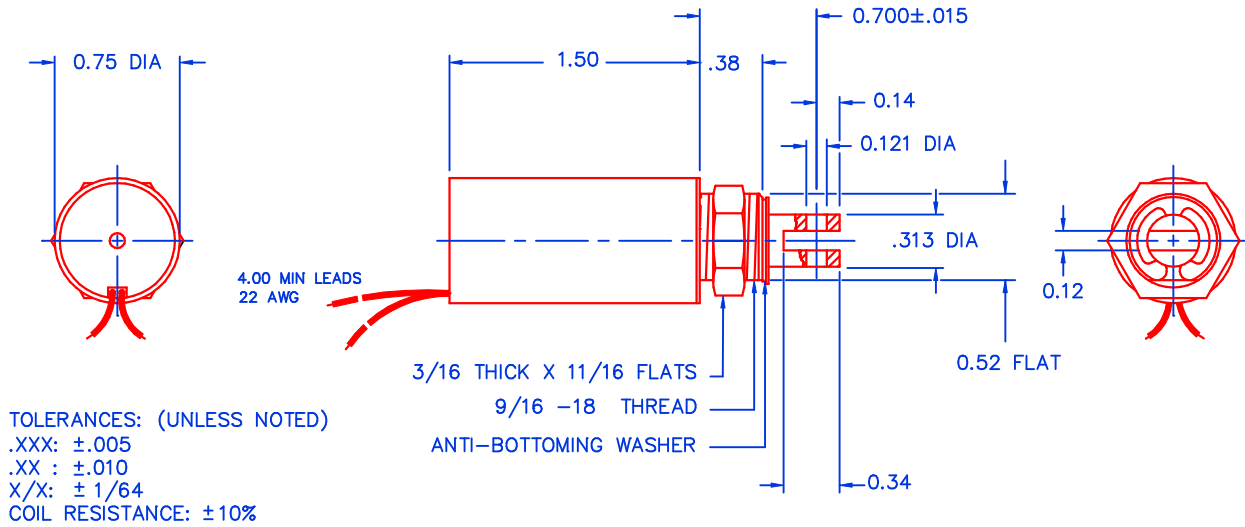
AWG number	resistance ( $\Omega$ )	volts DC	volts DC	volts DC	volts DC
23	0.63	2.2	3.2	4.5	7.1
24	1.05	2.9	4.1	5.8	9.2
25	1.48	3.4	4.9	6.9	10.9
26	2.68	4.6	6.5	9.3	14.6
27	4.50	6.0	8.5	12.0	19.0
28	7.03	7.5	10.6	15.0	24.0
29	11.0	9.4	13.3	18.7	30.0
30	20.4	12.8	18.0	25.5	40.3
31	28.2	15.0	21.3	30.1	48.0
32	45.1	19.0	26.9	38.0	60.1
33	72.0	24.0	33.9	48.0	75.9
34	98.8	28.1	39.7	56.2	88.9
35	191	39.0	55.2	78.1	124
36	269	46.4	65.6	92.7	147
37	468	61.2	86.5	122	193
38	692	74.4	105	149	235
39	1243	99.7	141	199	315
40	2066	129	182	257	407

HEAT SINK: For proper heat dissipation, body of solenoid should be mounted on an equivalent of 3.0" x 3.0" x 1/8" aluminum plate in an unrestricted flow of air.

# MAGNETIC SENSOR SYSTEMS

S-15-75

## MECHANICAL DIMENSIONS



SOLENOID SHOWN ENERGIZED

## TYPICAL PULL FORCE VERSUS STROKE

