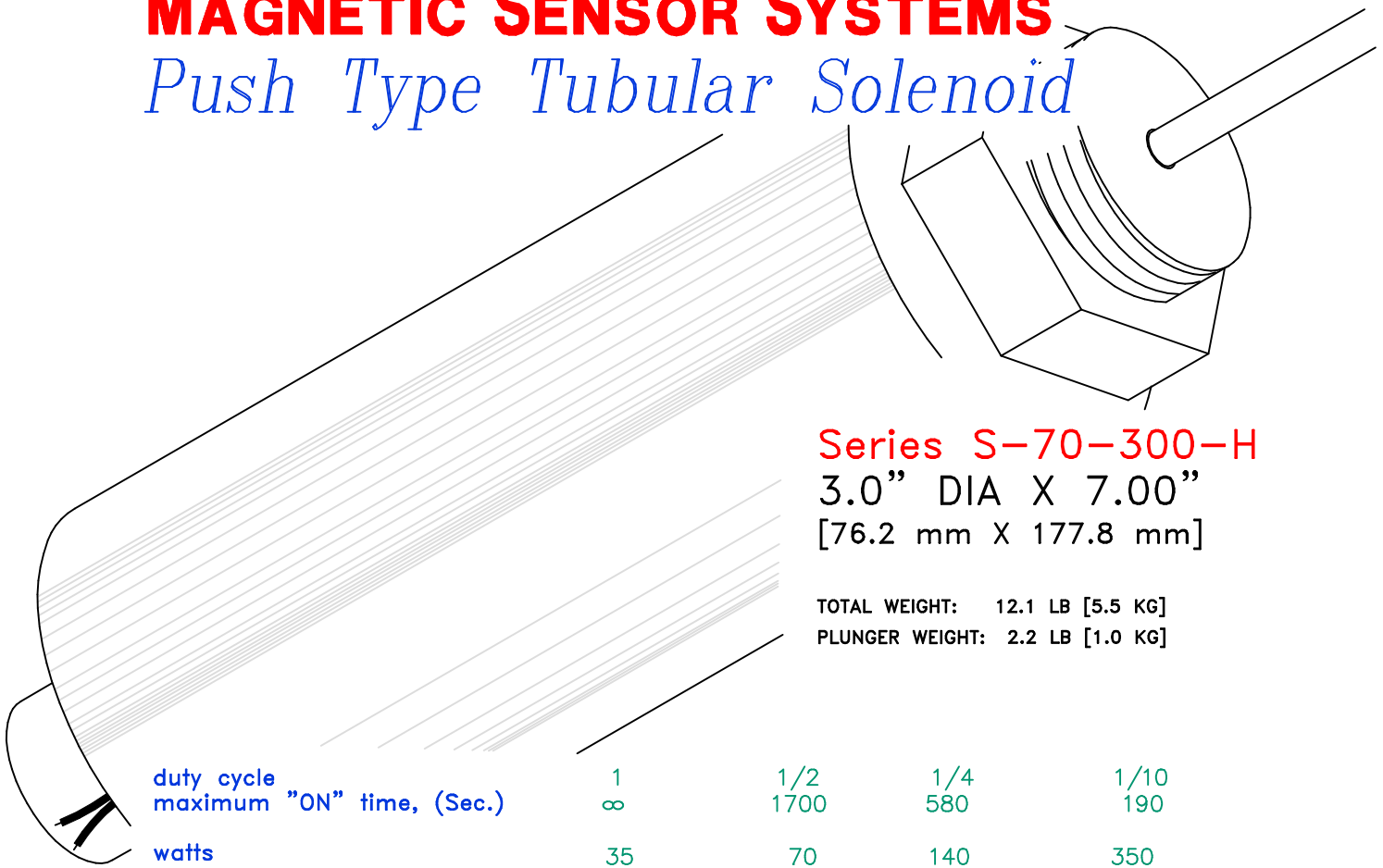


# MAGNETIC SENSOR SYSTEMS

## Push Type Tubular Solenoid



**Series S-70-300-H**  
**3.0" DIA X 7.00"**  
**[76.2 mm X 177.8 mm]**

TOTAL WEIGHT: 12.1 LB [5.5 KG]

PLUNGER WEIGHT: 2.2 LB [1.0 KG]

duty cycle	1	1/2	1/4	1/10
maximum "ON" time, (Sec.)	∞	1700	580	190
watts	35	70	140	350
approximate ampere turns	4400	6200	8800	13900

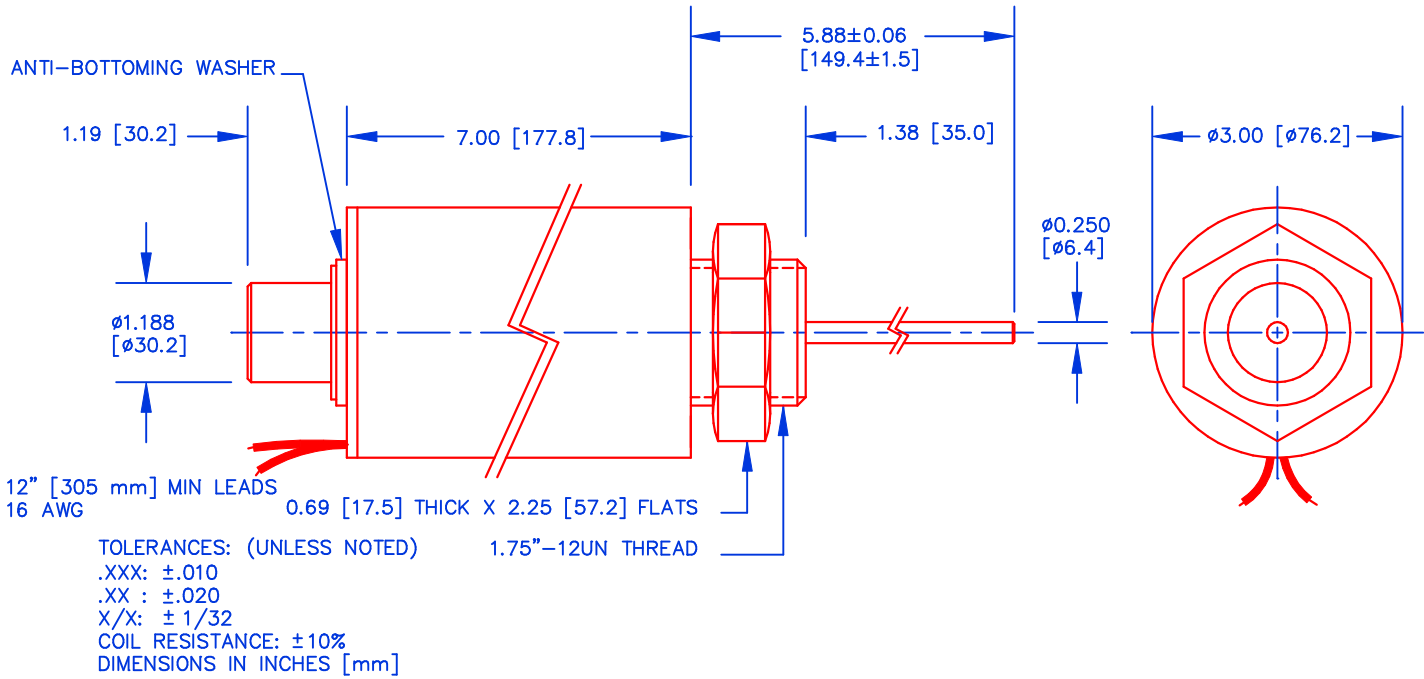
AWG number	resistance (Ω)	volts DC	volts DC	volts DC	volts DC
17	3.8	11.7	16.5	23.4	37.0
18	6.5	15.1	21.3	30.2	47.8
19	10.4	19.0	26.8	38.0	60.1
20	17.6	24.5	34.6	49.1	77.5
21	28.3	31.1	43.8	62.1	98.1
22	45.2	39.3	55.4	78.6	124
23	68.2	48.7	68.6	97.4	154
24	109	61.4	86.5	123	194
25	179	79.3	112	159	251
26	279	98.6	139	197	311
27	469	126	177	252	398
28	701	158	223	316	499
29	1100	200	282	400	632
30	1644	246	347	492	
31	2893	320	451	640	
32	4220	393	554		
33	6900	498			
34	10880	625			

HEAT SINK: For proper heat dissipation, body of solenoid should be mounted on an equivalent of 12.0" x 12.0" x 1/8" aluminum plate in an unrestricted flow of air.

# MAGNETIC SENSOR SYSTEMS

S-70-300-H

## MECHANICAL DIMENSIONS



SOLENOID SHOWN ENERGIZED

## TYPICAL PUSH FORCE VERSUS STROKE

