

Guaranteed efficiency, reliability, AND customizable to YOUR specs.

## NEW 1-1/2 x 2-1/2 Tubular Solenoid

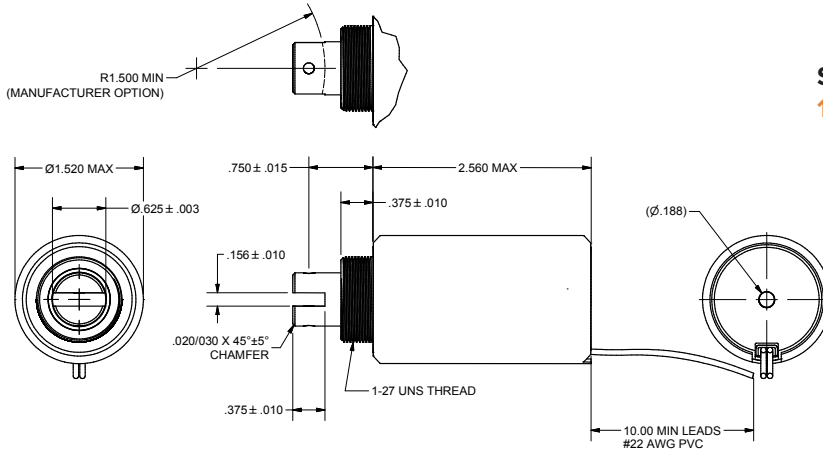
- Longer Stroke
- Better Mounting
- Higher Cycles
- Push/Pull Functionality

Applications for use include sorting machines and laboratory equipment.

	NEW STA Model	Brass Sleeve Model
Stroke to 1.5 inches	■	
Up to 25 Million Cycles	■	
Built in Air Gap Spacer	■	
RoHS Compliant	■	■
UL Listed Coil Components	■	■
Ease of Mounting	■	
Push & Pull Models	■	

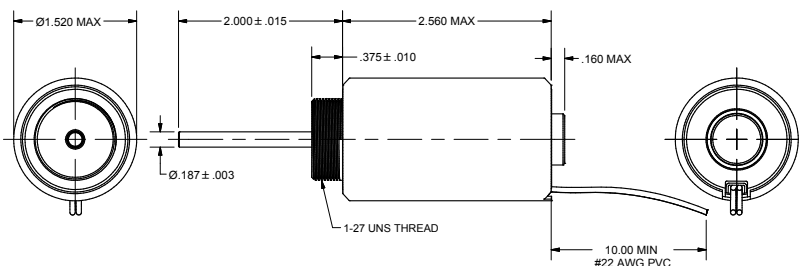


## DIMENSIONS



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

Inches (mm)  
All solenoids are illustrated in energized state  
All specifications subject to change without notice.



Size 150 STA® Push Tubular Solenoids  
1-1/2" Dia. x 2-1/2"



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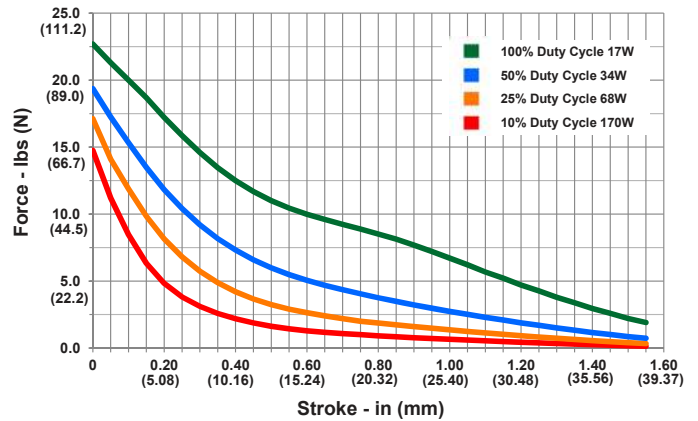
# Size 150 1-1/2" Dia. x 2-1/2" STA® Pull and Push Tubular Solenoids

## 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	Push: 17.7 lbs (78.9 N) at 20°C Pull: 14.5 lbs (64.50 N) at 20°C
Weight	Push: 17.1 oz (484.4g) Pull: 17 oz (481.8g)
Plunger Weight	Push: 3.4 oz (95.5 g) Pull: 4.04 oz (114.5 g)
Dimensions	Ø1.50" x 2.50" L

## TYPICAL FORCE @ 20°C

Force values for reference only



## HOW TO ORDER

PART NUMBER		TYPICAL FORCE (LBS)						
Pull Model	Push Model	Duty Cycle	Voltage	Coil Resistance (Ω) ± 5%	Power (W)	0.25" Stroke	.50" Stroke	1.00" Stroke
154660-221	154661-221	Intermittent	12 VDC	2.34	61.5	10.25	6.00	2.63
154660-224	154661-224	Continuous	12 VDC	9.30	15.5	3.75	1.75	0.50
154660-224	154661-224	Intermittent	24 VDC	9.30	61.9	10.25	6.00	2.63
154660-227	154661-227	Continuous	24 VDC	36.90	15.6	3.75	1.75	0.50

Continuous Duty = 100% "On" Time  
Intermittent Duty = 25% "On Time / 75% "Off" time  
When ordering please refer to Part Number as listed above.



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