

# R44X32

## STANDARD PULL STYLE SOLENOID



 CUSTOMIZABLE



*Magnet-Schultz of America (MSA) is proud to announce the **largest, highest force solenoid ever to be added to the standard MSA tubular solenoid product line.***

**Introducing the R44X32 solenoid from MSA.**

This standard pull solenoid was developed for applications which require very large pull-in forces (5 pounds in the continuous duty mode, 10 pounds in the intermittent duty mode and 30 pounds in the pulse duty mode) at a maximum stroke of one inch.

This new, customizable tubular solenoid builds on the Magnet-Schultz family of high-performance solenoids offering:

- **Special plunger configurations**
- **Special coil voltages**
- **A boot (if dust protection for the plunger is needed)**
- **Integration into more complex, value added assemblies.**

S O L U T I O N S   Y O U   C A N   B U I L D   O N

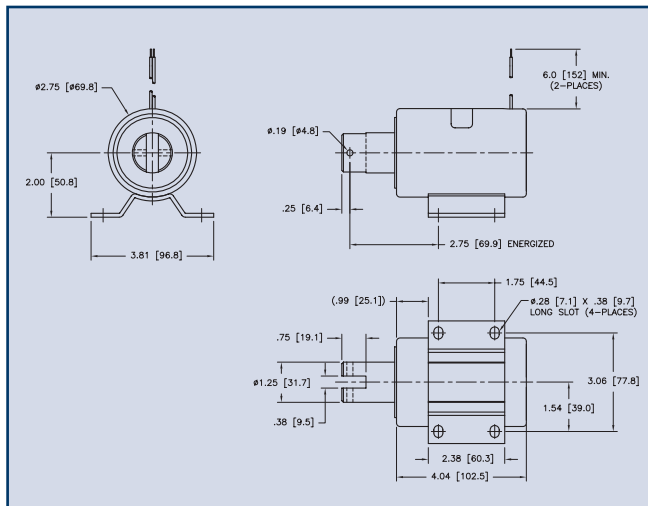


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### Technical Information and Specifications

#### MECHANICAL PACKAGING



#### REFERENCE SPECIFICATIONS

- **Rated Voltage for Pull In:** 12 or 24 VDC
- **Power Ratings:**  
 Continuous Duty: 24 watts  
 Intermittent Duty (1 minute on, 3 minutes off): 48 watts  
 Pulse Duty (1 second on, 9 seconds off): 192 watts
- **Insulation Class:** "B" (130 deg C)
- **Dielectric Strength:** 1000 V @ 60 Hz
- **Coil Termination:** Wire leads
- **Approximate Weight:** 100 ounces

#### PERFORMANCE CRITERIA

- **Continuous Duty:**  
 Hold force: 120 pounds  
 Pull in force (at the max stroke of 1 inch): 5 pounds
- **Intermittent Duty:**  
 Hold force: 136 pounds  
 Pull in force (at the max stroke of 1 inch): 10 pounds
- **Pulse Duty:**  
 Hold force: 137 pounds  
 Pull in force (at the max stroke of 1 inch): 30 pounds  
 (all forces are at 25 deg C ambient)

#### ADDITIONAL FEATURES AND OPTIONS

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- Additional voltages available
- Can be converted to a push type solenoid
- A spring return can be added to the solenoid
- Various connectors are available for the wire lead termination
- A silicone boot is available to cover the plunger for dust protection



This icon indicates features where customization is available.

Products are available in standard offerings as well as customized solutions—tailored to fit specific performance requirements.

Reference Specifications and Performance Criteria are based on an expected operating environment as described in MSA engineering specification 990-0100-019.



**MAGNET-SCHULTZ OF AMERICA**  
 SPECIALISTS IN ELECTROMAGNETIC DEVICES