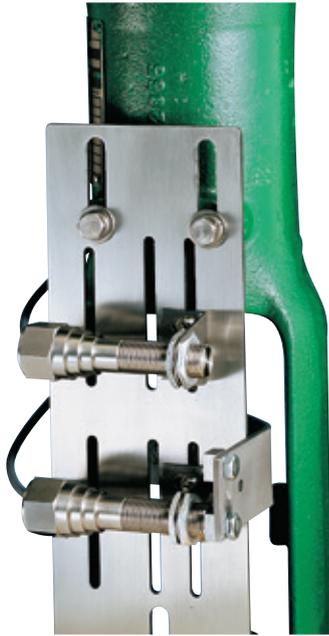


**ACCUTRAK™ 316 SILVER BULLET**  
EXPLOSIONPROOF LINEAR POSITION SWITCH - ATEX/IEC/NEC/INMETRO

A hermetically-sealed proximity switch in a stainless steel enclosure which is certified explosionproof. Double encapsulated in an epoxy resin and shock absorbent polymer



**FEATURES**

- 316 stainless steel construction
- Available with SPDT or DPDT switches
- Low temperature option to -50°C (-58°F)
- Standard 1.3 / 6 meters (4 / 20 feet) leads allows remote mounting if required
- Cable marked as appliance wiring material UL758
- Available with both Tungsten and Rhodium contacts
- Rhodium contact option for use with low power I/O's for longer contact life
- Highly resistant to shock and vibration stresses, chemical and environmental exposure
- Magnetic trigger bolt included

**TECHNICAL DATA**

**Agency approvals**

Area classification (ATEX/IEC)	Ex II 2 GD Ex d IIC T* Gb Ex tb IIIC T* Db IP6X
Area classification (NEC 500)	Class I, Division 1: Groups A,B,C and D Class II, Division 1: Groups E,F and G
Enclosure standards (IEC)	IP66/67 (with suitable glanding) IPx8 (with suitable glanding)
<b>Switches</b>	Magnum, SPDT hermetically sealed switches Magnum, DPDT hermetically sealed switches
<b>Enclosure</b>	Stainless steel

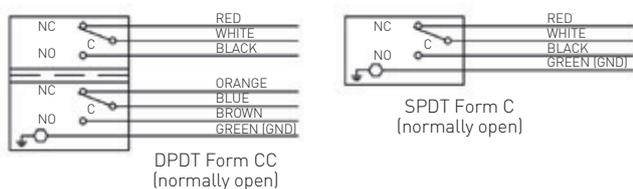
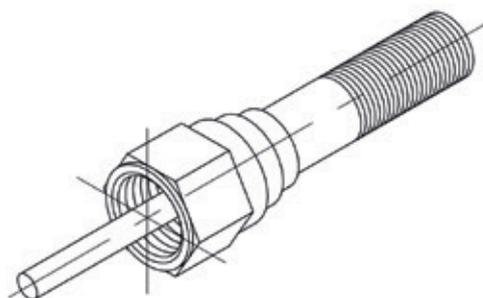
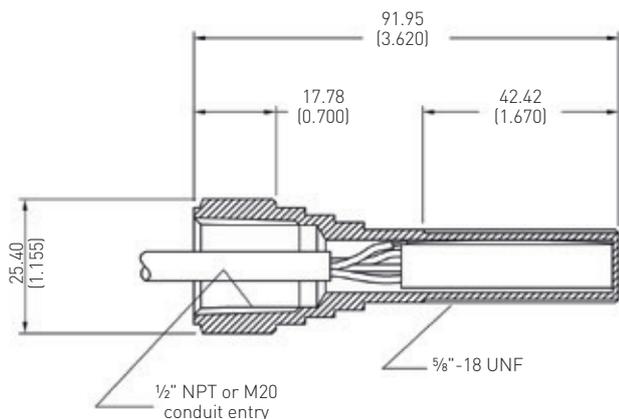
**GENERAL APPLICATION**

A hermetically sealed linear position switch, certified explosion proof and suitable for arduous industrial applications and environmental exposure.

# ACCUTRAK™ 316 SILVER BULLET

## EXPLOSIONPROOF LINEAR POSITION SWITCH - ATEX/IEC/NEC/INMETRO

### DIMENSIONS



Dimensions in mm, imperial dimensions (inches) in parenthesis

### TECHNICAL SPECIFICATIONS

Enclosure	316 stainless steel
Temperature range	
316SB	ATEX/IECEX/NEC certified temperature range: -20°C to +84°C (T5) and -20°C to +69°C (T6)
316LT	NEC certified temperature range: -50°C to +85°C [-58°F to +185°F]
Operating time	3.0 ms
Repeatability	0.13 mm (0.005 inch)
Hysteresis	0.76 mm (0.030 inch)
Hermetic seal	Glass (vacuum)
Sensing	2.54 mm (0.100 inch) end sensing
<b>Electrical rating</b>	
Tungsten	SPDT Form C (normally open) 3 A / 120 V AC 1.5 A / 240 V AC 2 A / 24 V DC
Rhodium	SPDT Form C (normally open) 1 A / 24 V DC 0.20 A / 120 V AC
<b>Cable</b>	
Wire diameter	18AWG
Jacket diameter SPDT switch	6.1 mm +/- 0.25 mm (0.239 inch +/- 0.010 inch)
Jacket diameter DPDT switch	9.1 mm +/- 0.25 mm (0.360 inch +/- 0.010 inch )
Appliance wiring material	UL758

### MAINTENANCE

All Silver Bullets are bolted to heavy duty stainless steel brackets. Switch triggering is accomplished by stainless steel encapsulated ferromagnetic actuators. Eventually, as valve seats wear, a slight re-adjustment of position switches becomes necessary.

### NOTES

See Hazardous area classification technical bulletin for further information on global standards.

# ACCUTRAK™ 316 SILVER BULLET

## SELECTION GUIDE

### Base model

316SB Silver Bullet position switch  
316LT Silver Bullet position switch - Low temperature unit

### Switch design

S Single pole double throw (SPDT)  
D Double pole double throw (DPDT)

### Contact material

T Tungsten  
R Rhodium  
G Gold plated (ATEX and IECEx only, LT option not available)  
0 For hall effect

### Conduit

M M20 x 1.5  
N ½" -14 NPT

### Length of flying lead

XXX Flying lead length in feet  
004 4 feet (1.33 metres)  
020 20 feet (6 metres)

### Special feature

AAA Standard  
CIQ ½" -13 x ¾" Trigger bolt option  
CKA ¾" - 10 x 1" Trigger bolt  
DXC 5/16-18 x .750 Samarian Cobalt high temperature  
XXX Special variants

### Certification

A ATEX (Series 316SB only)  
U cULus  
I IEC Ex (Series 316SB only)  
M INMETRO (Series 316SB only)

**Example code: 316SB-STM-020-AAA-A** = 316 Silver Bullet, SPDT, tungsten contacts, M20 conduit, 20 ft flying lead and standard build, ATEX certified.



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**Westlock.** We reserve the right to change designs and specifications without notice.