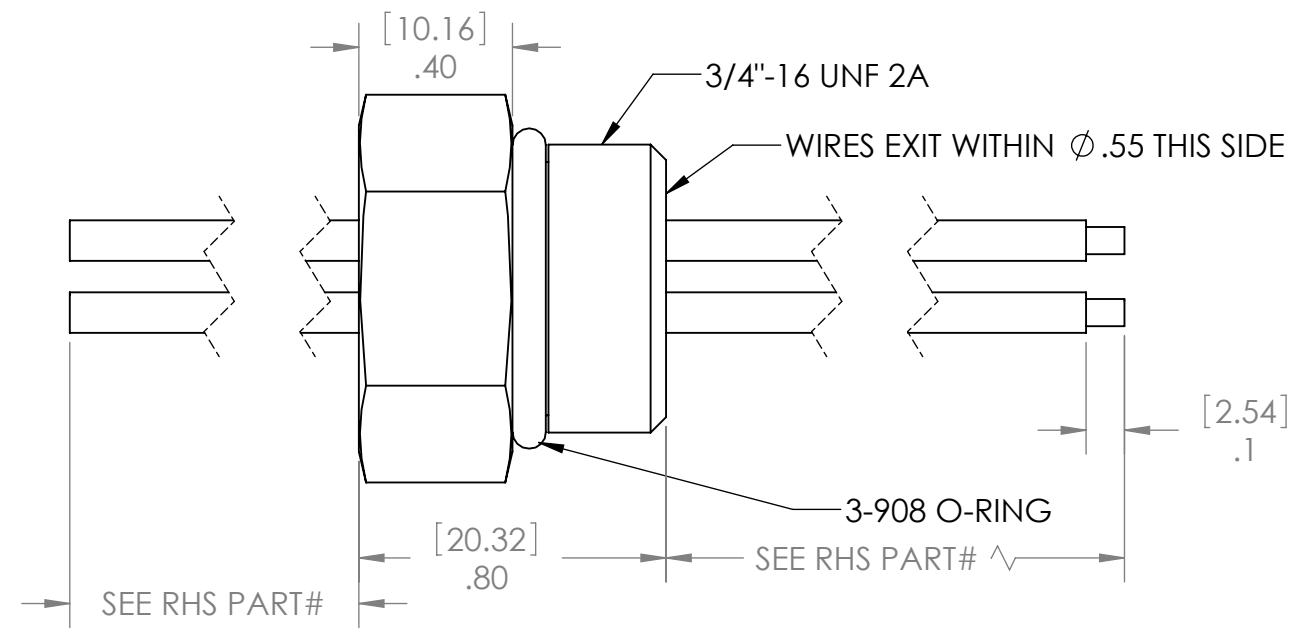
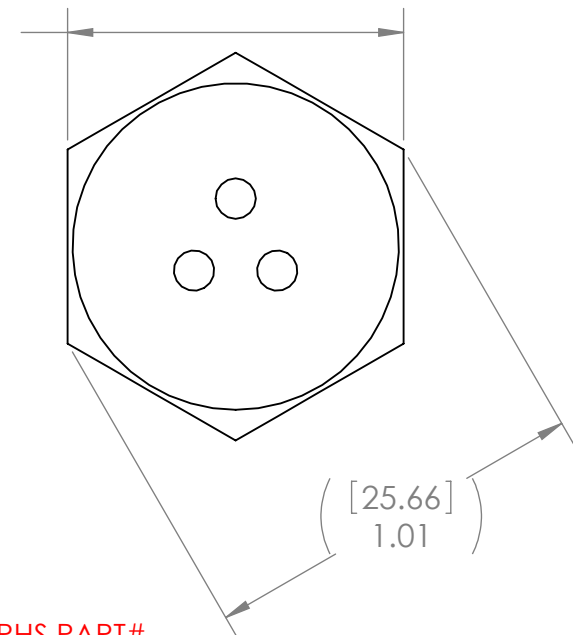


[22.23]
.875
STOCK

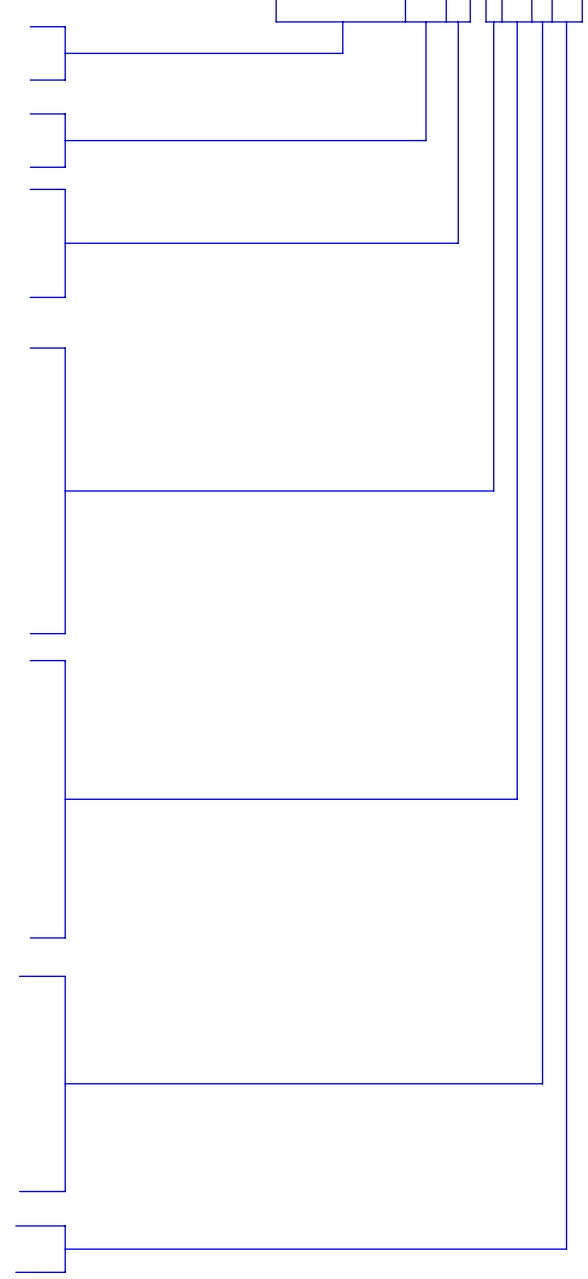


REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	F	ADDED WIRE LENGTH CODE D	10-Jul-19	MN
	G	CHANGED WIRE CODE D	12-Jul-19	MN
	H	ADDED WIRE LENGTH E	16-Dec-19	MN

DETERMINING RHS PART#

- **WS**=WIRE SEAL
- **ST12**=STRAIGHT THREAD HOUSING 3/4-16 THREAD
- **HOUSING MATERIAL:**
S6=316 STAINLESS STEEL, **A1**=6016 ALUMINUM, **B1**=BRASS, **I6**=600 INCOLNEL, OR **T2**=GRADE 2 TITANIUM
- **O-RING MATERIAL:**
A=POLYACRYLATE, **B**=BUTYL, **C**=CLOROPRENE, **E**=ETHYLENE-PROPYLENE, **G**=STYRENE BUTADIENE, **L**=FLUOROSILICONE, **N**=ACRYLONITRILE BUTADIENE (NITRILE), **P**=POLYURETHANE, **S**=SILICONE, **V**=FLUOROCARBON (VITON), **Y**=EPICHLOROHYDRIN, **Z**=EXOTIC OR SPECIALTY
- **WIRE DETAIL CODE:**
1=3 TOTAL 16878/4 12 AWG 19 STRAND WIRES (1x BLACK, 1x RED, & 1x WHITE).
2=4 TOTAL 16878/4 12 AWG 19 STRAND WIRES (1x GREEN, 1x BLACK, 1x RED, & 1x WHITE).
3=6 TOTAL 16878/4 16 AWG 19 STRAND WIRES (1x BLUE, 1x BROWN, 1x GREEN, 1x BLACK, 1x RED, & 1x WHITE).
4=2 TOTAL 16878/4 12 AWG 19 STRAND WIRES (2x BLACK WITH BRADY WIRE MARKERS EACH END).
5=6 TOTAL 16878/4 20 AWG 19 STRAND WIRES (1x BLUE, 1x BROWN, 1x GREEN, 1x BLACK, 1x RED, & 1x WHITE).
- **WIRE LENGTH CODE:**
A=24 INCHES[610 mm] MINIMUM HEX SIDE. 24 INCHES[610 mm] MINIMUM THREAD SIDE.
B=14 INCHES[355.6 mm] MINIMUM HEX SIDE. 6 INCHES[152.4 mm] MINIMUM THREAD SIDE.
C=158 INCHES[4000 mm] MINIMUM HEX SIDE. 158 INCHES[4000 mm] MINIMUM THREAD SIDE.
D=78.75 INCHES[2000 mm] MINIMUM HEX SIDE. 24 INCHES[610 mm] MINIMUM THREAD SIDE.
E=78.75 INCHES[2000 mm] MINIMUM HEX SIDE. 17.7 INCHES[450 mm] MINIMUM THREAD SIDE.
- **LEAK TESTING:**
 - **1**=HELIUM LEAK TEST @ 1 ATM 10X10⁻⁸ STD-CC/SEC OR BETTER
 - **2**=100 PSI(6.9 BAR) AIR ON THREAD SIDE OF O-RING NO BUBBLES
 - **3**=100 PSI(6.9 BAR) AIR ON HEX SIDE OF O-RING NO BUBBLES
 - **4**=1000 PSI(69 BAR) AIR ON THREAD SIDE OF O-RING NO BUBBLES
 - **5**=1000 PSI(69 BAR) AIR ON HEX SIDE OF O-RING NO BUBBLES
 - **6**=3500 PSI(242 BAR) AIR ON THREAD SIDE OF O-RING NO BUBBLES
 - **7**=5000 PSI(345 BAR) AIR ON HEX SIDE OF O-RING NO BUBBLE
- **ELECTRICAL TESTING:**
 - **A**=HYPOT 600 VDC 500 MEGOHMS .01 SECOND MINIMUM.
 - **B**=HYPOT 1000 VDC 500 MEGOHMS .01 SECOND MINIMUM.

SAMPLE RHS PART# WSST12S6V-1A4A



NOTES:

1. ASSEMBLY TESTED PER PART NUMBER.
2. DIMENSIONS ARE INCHES [MILLIMETERS], MILLIMETERS SHOWN FOR REFERENCE ONLY.
3. CUSTOM SIZES, WIRE OR FIBER OPTIC CONFIGURATIONS, & TESTS AVAILABLE, PLEASE CONTACT RHS FOR MORE INFORMATION.
4. SEE DRAWING NUMBER ST12-0001-0000 FOR INSTALLATION PORTS AND METHODS.
5. REDUCING WIRE LENGTH DOES NOT AFFECT SEAL INTEGRITY.

HERMETIC SEAL SPECIFICATIONS	
LEAK:	
LEAK TEST	SEE RHS PART#
ELECTRICAL:	
HYPOT INSULATION RESISTANCE TEST (CONDUCTOR TO CONDUCTOR AND HOUSING)	SEE RHS PART#
ENVIRONMENTAL:	
TEMPERATURE RANGE (O-RING DEPENDANT)	-55°C TO 130°C (-67°F TO 266°F)

UNLESS OTHERWISE SPECIFIED:	NAME	DATE
DIMENSIONS ARE IN INCHES	DRAWN	MM 6/18/08
TOLERANCES:	CHECKED	BS 6/18/08
FRACTIONAL ±1/16	ENG APPR.	MM 6/18/08
ANGULAR ±.5	MFG APPR.	
X. ±1 .X ±.1	Q.A.	
.XX ±.02 .XXX ±.005	PROPRIETARY AND CONFIDENTIAL	
INTERPRET GEOMETRIC TOLERANCING PER:	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF RELIABLE HERMETIC SEALS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF RELIABLE HERMETIC SEALS IS PROHIBITED.	
MATERIAL SEE RHS PART#		
FINISH N/A		
DO NOT SCALE DRAWING		



TITLE: WIRE SEAL ST12		
SIZE B	DWG. NO. WSST12	REV H
SCALE: 2:1	WEIGHT:	SHEET 1 OF 1