

SAMPLE RHS PART# WSST08S6V-1A4A


DETERMINING RHS PART#

- WS=WIRE SEAL
- ST08=STRAIGHT THREAD HOUSING 1/2-20 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 M22759/11-18 19 STRAND WIRES (1x BLACK, 1x RED, & 1x WHITE)
2=4 TOTAL M22759/9-16 19 STRAND WIRES (1x BLACK, 1x RED, 1x WHITE, & 1x BROWN).
3=12 TOTAL 16878/4-26 7 STRAND WIRES (1x EACH BLACK, RED, WHITE, ORANGE, GREEN, BLUE, VIOLET, GRAY, YELLOW, BROWN, WHITE W/BLK STRIPE, & WHITE W/GRN STRIPE).
4=14 TOTAL 16878/4-26 7 STRAND WIRES (1x EACH BLACK, RED, WHITE, ORANGE, GREEN, BLUE, VIOLET, GRAY, YELLOW, BROWN, WHITE W/BLK STRIPE, WHITE W/GRN STRIPE, WHITE W/RED STRIPE, & WHITE W/BLU STRIPE).
- WIRE LENGTH CODE:
A=24 INCHES[610 mm] MINIMUM HEX SIDE. 24 INCHES[610 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

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 ST08-0001-0000 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	 RELIABLE HERMETIC SEALS Jersey City, NJ, USA 888-747-3250	
DIMENSIONS ARE IN INCHES	DRAWN	MM		2/13/09
TOLERANCES:	CHECKED	BS		2/16/09
FRACTIONAL ±1/16	ENG APPR.	MM		2/13/09
ANGULAR ±.5	MFG APPR.			
X. ±1 .X ±.1	Q.A.			
.XX ±.02 .XXX ±.005	PROPRIETARY AND CONFIDENTIAL		WIRE SEAL ST08 SIZE B DWG. NO. WSST08 REV B	
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		SCALE: 3:1 WEIGHT: SHEET 1 OF 2	
DO NOT SCALE DRAWING				