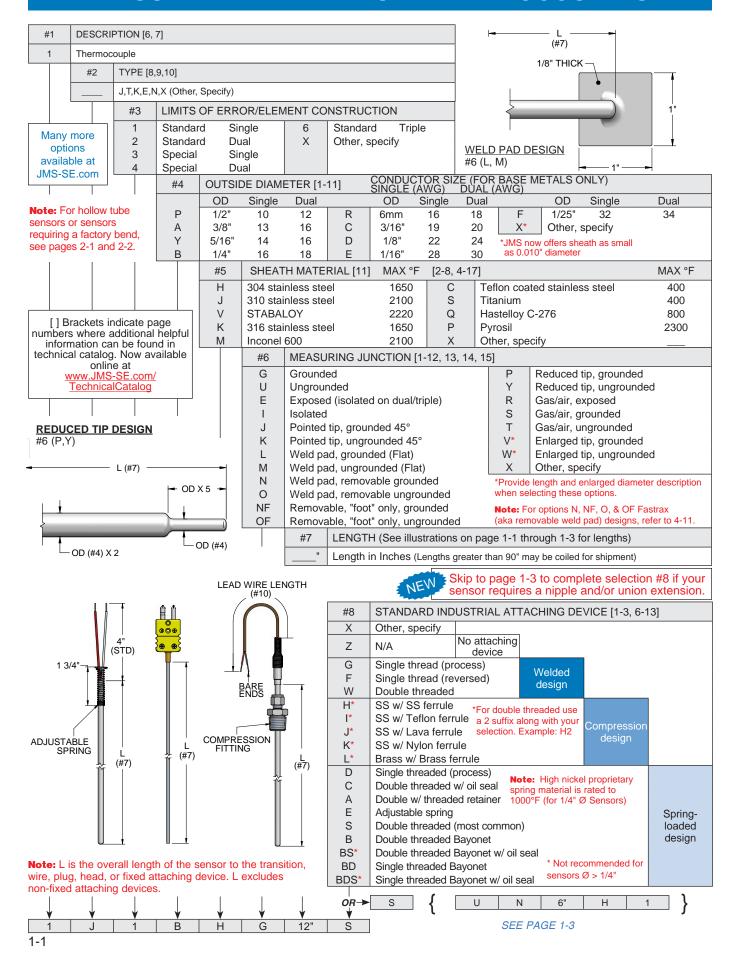
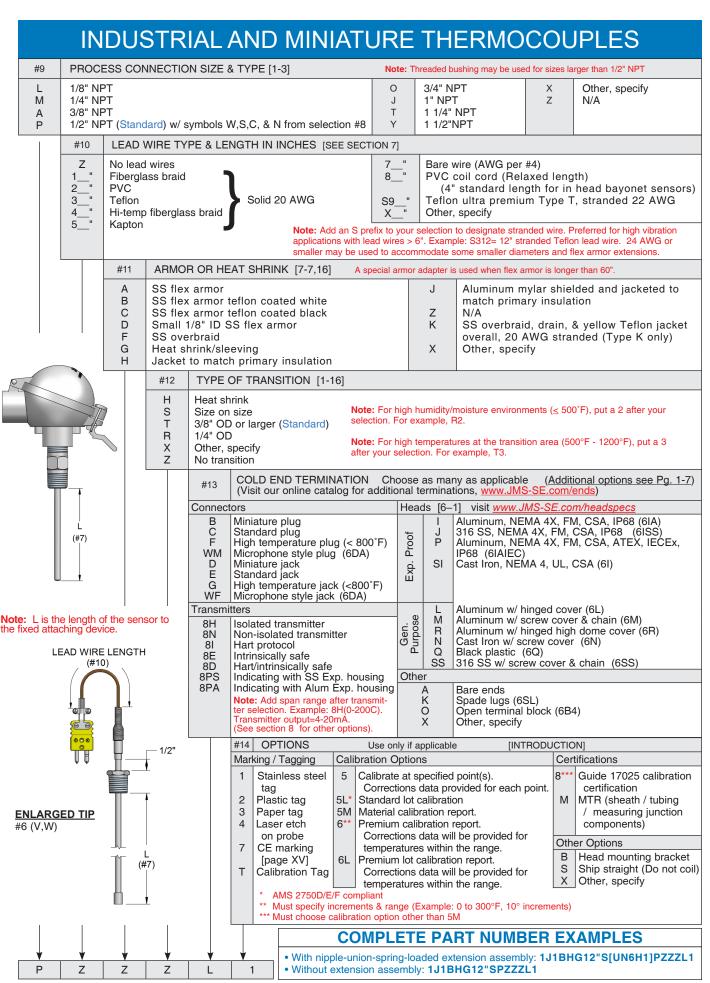
## INDUSTRIAL AND MINIATURE THERMOCOUPLES





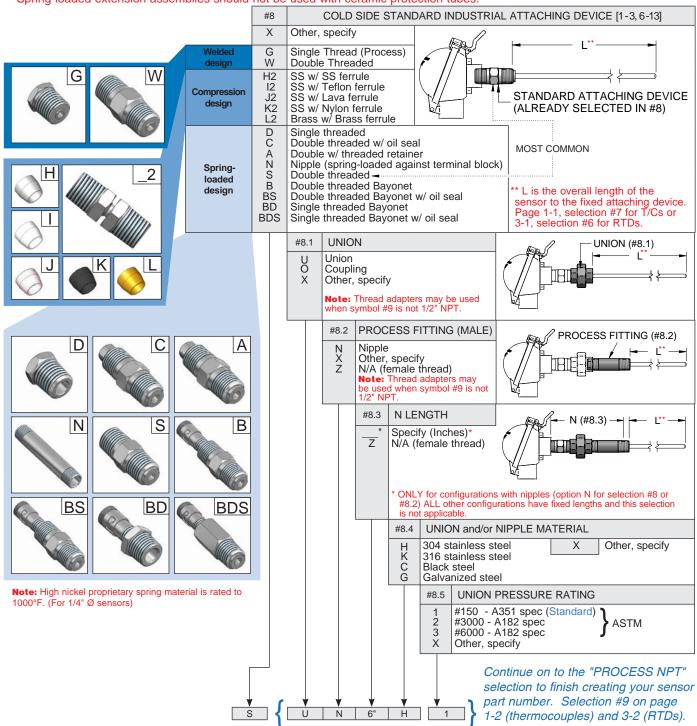
## CUSTOM NIPPLE/UNION EXTENSION CONFIGURATOR

An extension assembly provides extra length extending the sensor head past insulation and away from heat. Standard unions are 1/2" FNPT on both ends. The union joins two nipples in an extension assembly and has a standard pressure rating of 150 PSIG.

When a nipple-union-nipple assembly is selected and spring-loading of the thermocouple element is required, there are two different methods of spring-loading the sensor. JMS's standard, recommended method is to use the machined 1/2" x 1/2" NPT spring-loaded stainless steel fitting as one of the nipples. With this design, the probe is secured within the fitting and mounted to the head in a rigid manner instead of spring-loading against a terminal block, as is the case with a standard nipple-union-nipple. Due to stress exerted by spring, selection #8, option N "nipple" should never be used with an in-head transmitter. Any of the other options within option #8 are compatible with in-head transmitters.

## Notes:

- -The standard JMS spring designed specifically for a 1/4" OD sensor is made of high nickel proprietary spring wire which allows users to successfully maintain 1/2" of spring-loading even up to 1000°F.
- -Spring-loaded extension assemblies should not be used with ceramic protection tubes.



## ADDITIONAL TERMINATIONS

COLD END TERMINATION [SEE SECTION 6] Choose as many as applicable (JMS part number prefixes are shown in parenthesis)					
COLD END TERMINATION [SEE SECTION 6] Choose as many as applicable (JMS part number prefixes are shown in parenthesis)  Connectors					
	<b>`</b>	lg (6A2B) <800°F lg (6A2C) <800°F 3C) lazed (6A5C) <1200°F nglazed (6A7C) <1200°F B) DC)		D DH E G WF WB WD WG WI WK WN VF YF WR WT	Jacks Miniature jack (6A1D) Miniature high temperature jack (6A2D) <800°F Standard jack (6A1E) Standard high temperature jack (6A2E) <800°F Microphone style jack (6DA) Solid pin jack, heavy duty (6A3E) Jab in jack (6A4E) Ultra high temperature jack, glazed (6A5E) <1200°F Ultra high temperature jack, unglazed (6A7E) <1200°F Low noise jack (6A6E) <425°F DIN-IEC microphone style jack (6DB) Molded/water resistant jack (6DC) M12 Female connector (6DY) Miniature locking jack (6AIDL2) Standard jack, locking (6A8E2)
Heads	[6–1] Visit www.JMS-SE.com/headspecs				
I J P U SI GA GS	Explosion Proof Aluminum, NEMA 4X, FM, CSA, IP68 (6IA) 316 stainless steel, NEMA 4X, FM, CSA, IP68 (6ISS) Aluminum, NEMA 4X, FM, CSA, ATEX, IECEx, IP68 (6IAIEC) 316 stainless steel, NEMA 4X, ATEX, IP68 (6ISSATEX) Cast Iron, NEMA 3, 4, UL, CSA (6I) Aluminum, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP68 (688A1) 316SS, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP68 (688S1)				
L M R N Q SS WP SB SD SC ST SU	General Purpose Aluminum w/ hinged cover (6L) Aluminum w/ screw cover & chain (6M) Aluminum w/ hinged high dome cover (6R) Cast Iron w/ screw cover (6N) Black plastic (6Q) 316 stainless steel w/ screw cover & chain (6SS) White plastic, screw cover, Sanitary (6WP) Nickel plated, cylinder style, 1/4" NPT (6S250) Nickel plated, cylinder style, 1/8" NPT (6S125) Stainless steel, socket cap style Molded plastic, mini head, 1/4" NPT, < 350F (6T) Molded plastic, mini head, 1/4" NPT, < 800F (6U)  * L is the overall length of the sensor to the base of the head when no attaching device is selected. Page 1-1, selection #7 for T/Cs or 3-1, selection #6 for RTDs.				
Transmitters [ 8-1 to 8-3 ]			Notes: - Add span range after transmitter selection. Example: 8H(0-200C) Transmitter output = 4 - 20 mA. (See section 8 for other options).		
8H 8N 8I 8E 8D 8M	Isolated transmitter Non-isolated transmitter Hart Protocol Intrinsically safe Hart/Intrinsically safe Integral transmitter (see page 3-5) RTDs ONLY    SPA				
A K RL O OA OB OG OP OS CG TB X	Bare ends Spade lugs (6SL) Ring lugs (6RL) Open ceramic terminal block, brass screw terminal (6B) Open Bakelite terminal block, nickel plated screw terminal (6BB) Open ceramic terminal block for sensors with bayonet style connection, brass screw terminal (6B or 6C) Ceramic terminal block, prass screw terminal (6G) Pluggable polymide terminal block, nickel plated screw terminal (6PT) Open ceramic terminal block, nickel plated solder terminal (6C) Cord connector/grip, aluminum 1/2" NPT (6CC) Conduit bushing, 3/4" NPT male X 1/2" NPT female, plated steel (6IRB) Other, specify  * L is the overall length of the sensor to the base of the terminal block mounting plate when open terminal block cold end termination is selected without a fixed attaching device. Page 1-1, selection #7 for T/Cs or 3-1, selection #6 for RTDs.				