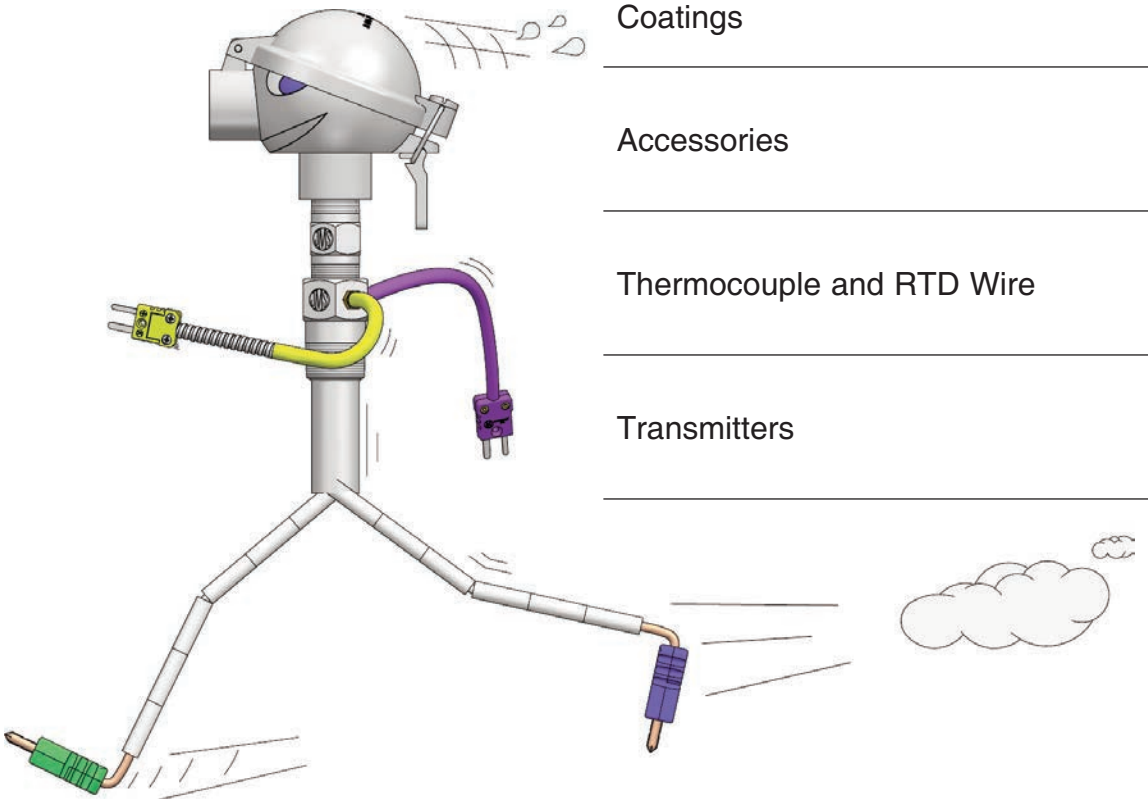
MINIATURE AND INDUSTRIAL THERMOCOUPLES

Swifty Sensor



Due to space limitations we have excluded some part number selections from publication. Additional selections are available via JMS catalog cut sheets posted at www.JMS-SE.com. It is the final reference for JMS part numbers. Custom products are also available with drawings to suit your application. Call 1-800-873-1835 or email Sensors@JMS-SE.com for more information.

MINIATURE AND INDUSTRIAL THERMOCOUPLES

#1	DESCRIPTION [6, 7]
1	Thermocouple

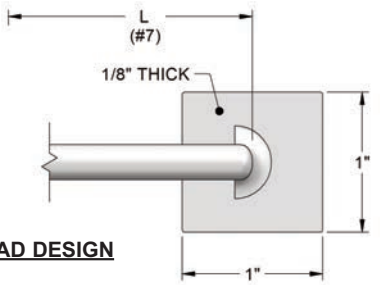
#2	TYPE [8, 9, 10]
____	J, T, K, E, N, X (Other, specify)

#3	LIMITS OF ERROR/ELEMENT CONSTRUCTION			
1	Standard	Single	6	Standard Triple
2	Standard	Dual	X	Other, specify
3	Special	Single		
4	Special	Dual		

Many more options available at JMS-SE.com

Note: For hollow tube sensors or sensors requiring a factory bend, see pages 2-1 and 2-2.

[ ] Brackets indicate page numbers where additional helpful information can be found in technical catalog. Now available online at www.JMS-SE.com/TechnicalCatalog



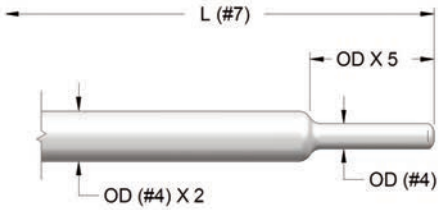
WELD PAD DESIGN
#6 (L, M)

#4	OUTSIDE DIAMETER [11]	CONDUCTOR SIZE (FOR BASE METALS ONLY) SINGLE (AWG)	DUAL (AWG)
	OD Single/Dual	OD Single/Dual	OD Single/Dual
P	1/2" 10 12	R 6mm 16 18	F 1/25" 32 34
A	3/8" 13 16	C 3/16" 19 20	X* Other, specify
Y	5/16" 14 16	D 1/8" 22 24	
B	1/4" 16 18	E 1/16" 28 30	

*JMS now offers sheath as small as 0.010" in diameter.

#5	SHEATH MATERIAL [11]	MAX °F	[2-8, 4-17]		MAX ºF
H	304 stainless steel	1650	C	Teflon coated stainless steel	400
J	310 stainless steel	2100	S	Titanium	400
V	STABALOY	2220	Q	Hastelloy C-276	800
K	316 stainless steel	1650	P	Pyrosil	2300
M	Inconel 600	2100	X	Other, specify	--

REDUCED TIP DESIGN
#6 (P,Y)

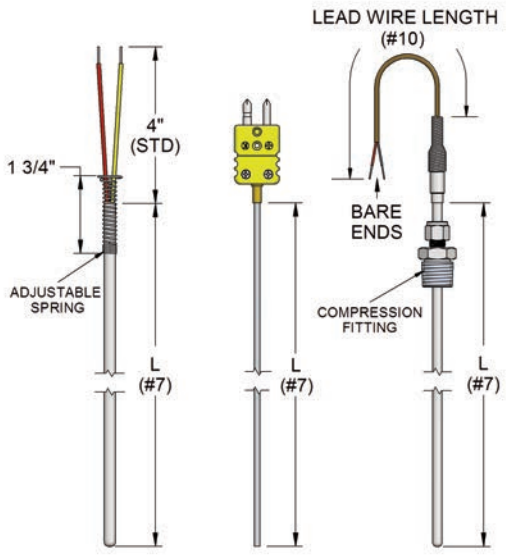


#6	MEASURING JUNCTION [12, 13, 14, 15]		
G	Grounded	P	Reduced tip, grounded
U	Ungrounded	Y	Reduced tip, ungrounded
E	Exposed (Isolated on dual/triple)	R	Gas/Air, exposed
I	Isolated	S	Gas/Air, grounded
J	Pointed tip, grounded, 45º ∠	T	Gas/Air, ungrounded
K	Pointed tip, ungrounded, 45º ∠	V*	Enlarged tip, grounded
L	Weld pad, grounded	W*	Enlarged tip, ungrounded
M	Weld pad, ungrounded	X*	Other, specify
N	Weld pad, removable grounded		
O	Weld pad, removable ungrounded		
NF	Removable "foot" only, grounded		
OF	Removable "foot" only, ungrounded		

*Provide description when selecting these options.

Note: For options N, NF, O, & OF Fasttrax (aka removable weld pad) designs, refer to 4-15.

#7	LENGTH (See illustrations on page 1-1 through 1-3 for lengths)
____"	Length in inches (lengths greater than 90" may be coiled for shipment)



Note: L is the overall length of the sensor to the transition, wire, plug, head, or fixed attaching device. L excludes non-fixed attaching devices.

NEW ***Skip to page 1-3 to complete selection #8 if your sensor requires a nipple and/or union extension.***

#8	STANDARD INDUSTRIAL ATTACHING DEVICE [1-3, 6-13]	
X	Other, specify	
Z	N/A	No Attaching device
G	Single thread (process)	Welded design
F	Single thread (reversed)	
W	Double threaded	
H*	SS w/ SS ferrule	Compression design
I*	SS w/ Teflon ferrule	
J*	SS w/ Lava ferrule	
K*	SS w/ Nylon ferrule	
L*	Brass w/ Brass ferrule	
D	Single threaded (process)	Spring-Loaded design
C	Double threaded w/ oil ring	
A	Double w/ threaded retainer	
E	Adjustable spring	
S	Double threaded (most common)	
B	Double threaded Bayonet	
BS	Double threaded Bayonet w/ oil seal	
BD	Single threaded Bayonet	
BDS	Single threaded Bayonet w/ oil seal	

* For double threaded use a 2 suffix along with your selection. Example: H2

***Note:** High nickel proprietary spring material is rated to 1000°F (for 1/4" Ø sensors)*

OR → S U N 6" H 1

SEE PAGE 1-3

1	J	1	B	H	G	12"	S

MINIATURE AND INDUSTRIAL THERMOCOUPLES

#9 PROCESS NPT [3]

L	1/8”
M	1/4”
P	1/2” (Standard) with symbols W,S,C, & N from selection #8
O	3/4”
X	Other, specify
Z	N/A

#10 LEAD WIRE TYPE & LENGTH IN INCHES [SEE SECTION 7]

Z	No lead wires
1__”	Fiberglass braid
2__”	PVC
3__”	Teflon
4__”	Hi-temp fiberglass braid
5__”	Kapton

} Solid 20 AWG

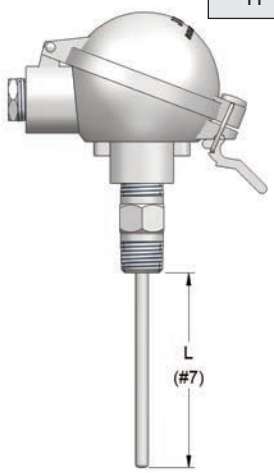
7__”	Bare wire
8__”	PVC coil cord - 4” standard length (relaxed)
X__”	Other, specify

Note: Add an S prefix to your selection to designate stranded wire. Example: S312= 12” stranded Teflon lead wire. 24 AWG or smaller may be used to accommodate some smaller diameters and flex armor extensions.

#11 ARMOR OR HEAT SHRINK [7-7] [16]

A	3/16” ID SS flex armor
B	3/16” ID SS flex armor Teflon coated white
C	3/16” ID SS flex armor Teflon coated black
D	1/8” ID SS flex armor
F	SS overbraid
G	Heat shrink/sleeving
H	Jacket to match primary insulation
J	Aluminum Mylar shielded and jacketed to match primary insulation
X	Other, specify
Z	N/A

Note: Bell Springs are used for most wire extensions at transition. A special armor adapter is used when flex armor is longer than 60”.



Note: L is the length of the sensor to the fixed attaching device.

#12 TYPE OF TRANSITION [16]

H	Heat shrink
S	Size on size
T	3/8” OD (Standard)
R	1/4” OD
X	Other,specify
Z	No transition

Note: For high humidity/moisture environments (≤ 500˚F), put a 2 after your selection. For example, R2.

Note: For high temperatures at the transition area (500°F - 1200°F), put a 3 after your selection. For example, T3.

#13 COLD END TERMINATION

Choose as many as applicable [Add’l options see Pg. 1-7]

(Visit our online catalog for additional terminations, *www.JMS-SE.com/ends*)

Connectors

B	Miniature plug
C	Standard plug
F	High temperature plug (< 800˚F)
WM	Microphone style plug (6DA)
D	Miniature jack
E	Standard jack
G	High temperature jack (< 800˚F)
WF	Microphone style jack (6DA)

Transmitters

8H	Isolated transmitter
8N	Non-isolated transmitter
8I	Hart Protocol
8E	Intrinsically safe
8D	Hart/Intrinsically safe

Note: Add span range after transmitter selection. Example: 8H(0-200C).
Note: Transmitter output = 4-20mA. (See section 8 for other options).

Heads [6–1] visit *www.JMS-SE.com/headspecs*

Exp. Proof	I	Aluminum, NEMA 4X, FM, CSA, IP66 (6IA/6B4)
	J	316 SS, NEMA 4X, FM, CSA, IP66 (6ISS/6B4)
	P	Aluminum, NEMA 4X, FM, CSA, ATEX, IECEx, IP66 (6IAIEC/6B4)
	GA	Aluminum, w/viewing window,NEMA 4X, FM, CSA, ATEX, IECEx (688A1/88DIG) (Transmitter required)
	GS	316SS w/viewing window,NEMA 4X, FM, CSA, ATEX, IECEx (688S1/88DIG) (Transmitter required)
Gen. Purpose	L	Aluminum w/ hinged cover (6L/6B4)
	M	Aluminum w/ screw cover & chain (6M/6B4)
	R	Aluminum w/ hinged high dome cover (6R/6B4)
	N	Cast Iron w/ screw cover (6N/6B4)
	Q	Black Noryl plastic (6Q/6B4)
	SS	316 SS w/ screw cover & chain (6SS/6B4)

Other

A	Bare ends
K	Spade lugs (6SL)
O	Open terminal block (6B4)
X	Other, specify

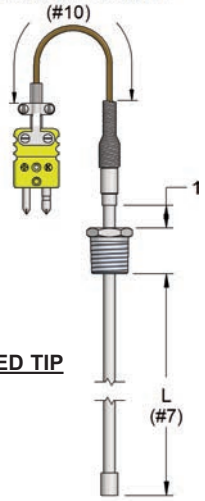
#14 OPTIONS

Use only if applicable [INTRODUCTION]

1	Stainless steel tag
2	Plastic tag
3	Paper tag
4	Laser etch on probe
5	Calibrate at specified point(s). Corrections data provided for each point.
5L*	Standard lot calibration
5M	Material calibration report.
6**	Premium calibration report. Corrections data will be provided for temperatures within the range.
6L*	Premium lot calibration report. Corrections data will be provided for temperatures within the range.
7	CE marking [page XV]
8	Guide 17025 calibration
9	Bar code
M	MTR

* AMS 2750D and AMS 2750E compliant
** Must specify increments & range (Example: 0 to 300°F, 10° increments)

LEAD WIRE LENGTH (#10)



ENLARGED TIP
#6 (V, W)

P	Z	Z	Z	L	1

COMPLETE PART NUMBER EXAMPLES

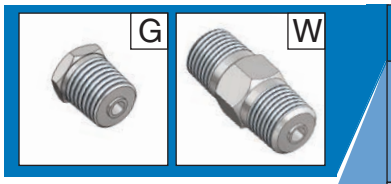
-with nipple-union-spring-loaded extension assembly:
1J1BHG12”S[UN6H1]PZZZL1
-without extension assembly:
1J1BHG12”SPZZZL1

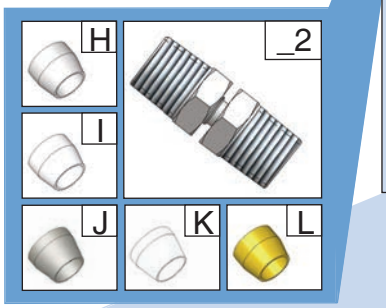
CUSTOM NIPPLE/UNION EXTENSION CONFIGURATOR

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.

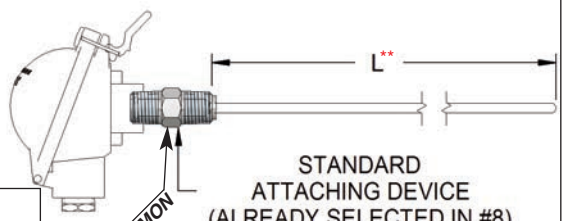
Notes:
-The standard JMS spring designed specifically for a 1/4" OD sensor is made of high nickel proprietary spring wire which allows users to successfully maintain 1/2" of spring-loading even up to 1000°F.
-Spring-loaded extension assemblies should not be used with ceramic protection tubes.





Note: *High nickel proprietary spring material is rated to 1000°F. (For 1/4" Ø sensors)*

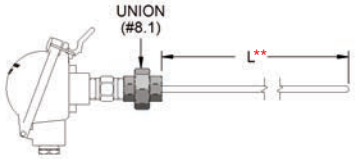
#8	COLD SIDE STANDARD INDUSTRIAL ATTACHING DEVICE [1-3, 6-13]
X	Other, specify
Welded design	
G	Single thread (process)
W	Double threaded
Compression design	
H2	SS w/ SS ferrule
I2	SS w/ Teflon ferrule
J2	SS w/ Lava ferrule
K2	SS w/ Nylon ferrule
L2	Brass w/ Brass ferrule
Spring-Loaded design	
D	Single threaded
C	Double threaded w/ oil ring
A	Double w/ threaded retainer
N	Nipple (spring-loaded against terminal block)
S	Double threaded
B	Double threaded Bayonet
BS	Double threaded Bayonet w/ oil seal
BD	Single threaded Bayonet
BDS	Single threaded Bayonet w/ oil seal



** L is the overall length of the sensor to the fixed attaching device. Page 1-1, selection #7 for T/Cs or 3-1, selection #6 for RTDs.

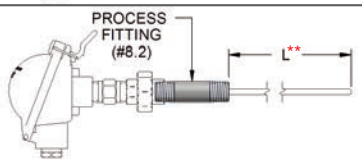
#8.1	UNION
U	Union
O	Coupling
X	Other, specify
Z	N/A

Note: Thread adapters may be used when symbol #9 is not 1/2" NPT.

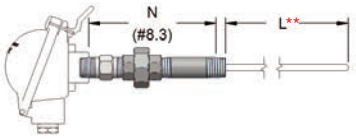


#8.2	PROCESS FITTING (MALE)
N	Nipple
X	Other, specify
Z	N/A (Female thread)

Note: Thread adapters may be used when symbol #9 is not 1/2" NPT.



#8.3	N LENGTH
___"	Specify (inches)*
Z	N/A



* ONLY for configurations with nipples (option N for selection #8 or #8.2.)
ALL other configurations have fixed lengths and this selection is not applicable.

#8.4	UNION and/or NIPPLE MATERIAL		
H	304 stainless steel	X	Other, specify
K	316 stainless steel		
C	Black steel		
G	Galvanized steel		

#8.5	UNION PRESSURE RATING	
1	#150 - A351 spec (Standard)	ASTM
2	#3000 - A182 spec	
3	#6000 - A182 spec	
X	Other, specify	

S	U	N	6"	H	1

Continue on to the "PROCESS NPT" selection to finish creating your sensor part number. Selection #9 on page 1-2 (thermocouples) and 3-2 (RTDs).

BEADED THERMOCOUPLES

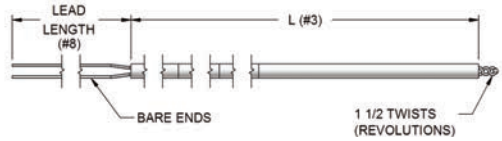
#1	DESCRIPTION
1B	Beaded thermocouple

#2	JUNCTION
B	Welded bead only
T	Twisted and welded bead

Oval Insulators will be used for any bent, beaded thermocouple.

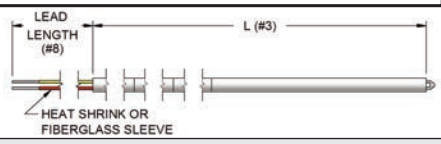
#3	INSULATOR TYPE AND LENGTH (L)
A __"	1 inch - Round
D __"	3 inch - Round
F __"	One piece construction - Round
G __"	1 inch - Oval
H __"	3 inch - Oval
X __"	Other, specify

Base metal 8-14 AWG leads are bent to fit JMS terminal block 6G with 3" leads. [Add'l options see Pg. 1-7]



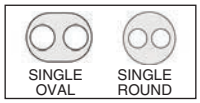
#4	COLD END INSULATION
1	Fiberglass sleeve (Standard)
2	Heat shrink
3	Mullite fish spine beads
Z	Bare ends
X	Other, specify

Base metal 15-30 AWG leads are straight

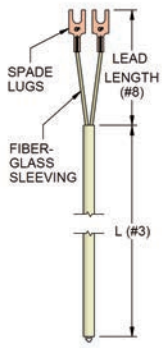


#5	INSULATOR MATERIAL
A	Alumina (Standard for Noble metals)
M	Mullite (Standard for Base metals)

#6 SINGLE ELEMENT	WIRE GAUGE	O.D. OF 1" OR 3" OVAL INSULATORS	O.D. OF 1" OR 3" ROUND INSULATORS	O.D. OF 1 PIECE ROUND INSULATORS
08	8 (Standard oval)	5/16" x 7/16"	7/16"	7/16"
14	14 (Standard oval)	3/16" x 1/4"	1/4"	1/4"
20	20		3/16"	3/16"
24	24		3/16"	3/16"
26	26		3/16"	3/16"
30	30		1/8"	1/8"
X	Other, specify			



NOBLE METAL



DUAL ELEMENT	Note: Add "C" for common junction. See illustrations below. (Example: CD24, CD26)			
D08	8		1/2"	1/2"
D14	14		1/4"	1/4"
D20	20		3/16"	3/16"
D24	24		3/16"	3/16"
D26	26		3/16"	3/16"
D30	30		1/8"	1/8"
DX	Other, specify			

(Oval not available in dual element)

Noble metal thermocouples are normally 24 gauge wires.

To specify ceramic or metal protection tubes for beaded thermocouple assemblies, see the Thermowell and protection tube pages in section 5 of this catalog.

#7	TYPE
____	J, K, N, T, E, R, S, B, C, L, A, X (Other, specify)

#8	LEAD LENGTH IN INCHES
____ "	Specify length of TC leads in inches. (See drawings) **Note:** Standard length is 2" for Noble metal, 3" Base metal

#9	OPTIONS Use only if applicable
1	Stainless steel tag
2	Plastic tag
3	Paper tag
5 *	Calibrate at specified point(s). Corrections data provided for each point.
5L*	Standard lot calibration
5M	Material calibration report.
6**	Premium calibration report. Corrections data will be provided for temperatures within the range.
6L*	Premium lot calibration report. Corrections data will be provided for temperatures within the range.
7	CE marking [page XV]
8	Guide 17025 calibration
9	Bar code

* AMS 2750D and AMS 2750E compliant
** Must specify increments & range (Example: 0 to 300°F, 10° increments)

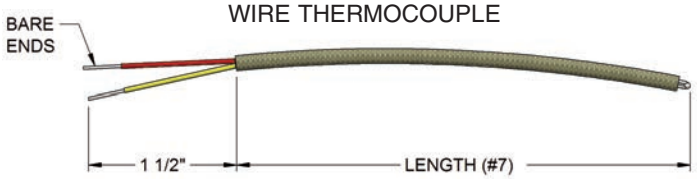
DUAL COMMON JUNCTION
(CD, Option #6)

DUAL ISOLATED JUNCTION
(D, Option #6)

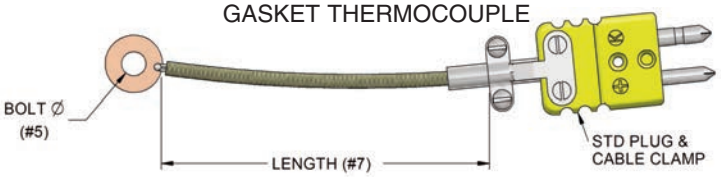
1B	B	F(6)	1	A	24	R	2"	3

WIRE, GASKET, AND LUG THERMOCOUPLES

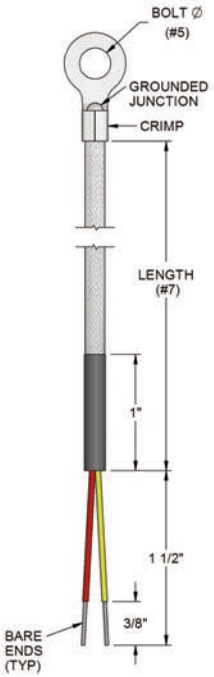
WIRE THERMOCOUPLE



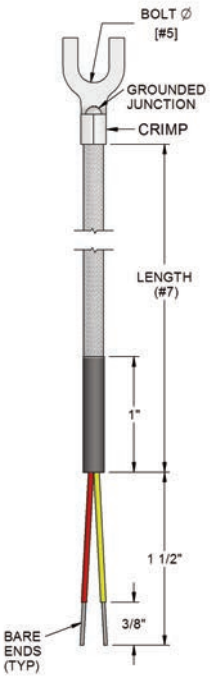
GASKET THERMOCOUPLE



RING TERMINAL THERMOCOUPLE



SPADE LUG THERMOCOUPLE



#1	DESCRIPTION
1D	Wire gasket and lug thermocouples - Grounded

#2	STYLE
G	Wire thermocouple
H	Gasket thermocouple
L	Ring terminal thermocouple
S	Spade lug thermocouple
M*	Shim thermocouple
C_**	Hose clamp thermocouple

* Must select option 8" from selection #6
** See hose clamp dimensional chart below to specify needed clamp size by adding the corresponding # as a suffix. Example C2 = Hose clamp T/C to fit 1/2"- 3/4" pipe

#3	TYPE
____	J, K, N, T, E, R, S, B, C, L, A, X (Other, specify)

#4	GASKET MATERIAL
C	Copper (Standard)
S*	Steel
X	Other, specify
Z	N/A

* Standard material for ring/spade lugs is nickel-plated steel.

#5	BOLT DIAMETER **Note:** If washer/gasket/ring dimensions are critical, use X and state requirements.
A	#10
C	1/4"
X	Other, specify bolt size, ø, and any tolerances as necessary.
Z	N/A

#6	WIRE INSULATION
1	Fiberglass braid
3	FEP Teflon
4	Hi-temp fiberglass braid
5	Kapton
8	Fiberglass braid/stainless steel overbraid
X	Other, specify

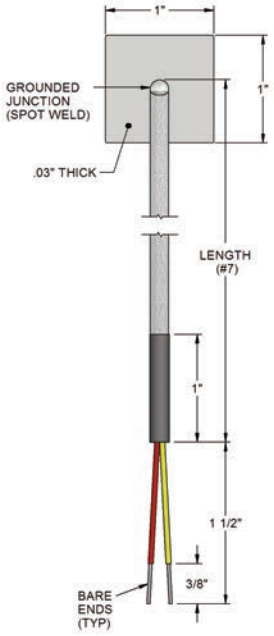
Note: For stranded wire, add an S prefix before symbol designation in this column. 24 AWG or smaller may be used to accommodate some smaller diameters.

#7	LENGTH
____"	Length in inches

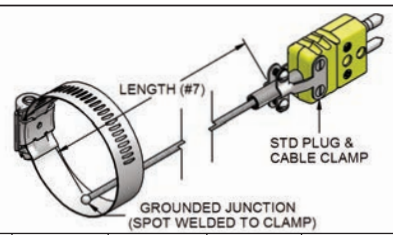
#8	COLD END TERMINATION
A	Bare ends
B	Miniature plug
C	Standard plug
X	Other, specify

[Add'l options see Pg. 1-7]

SHIM THERMOCOUPLE



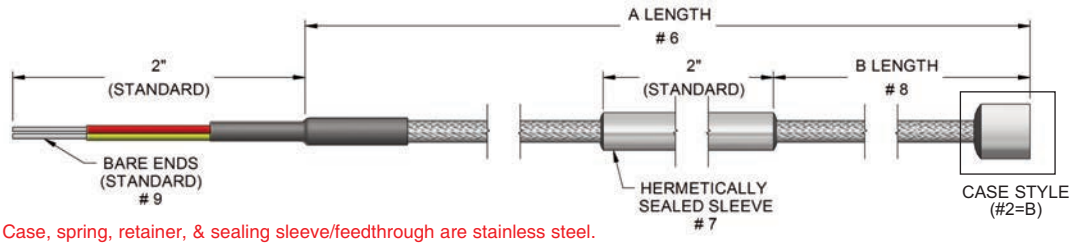
HOSE CLAMP DIMENSIONAL CHART



	STANDARD PIPE SIZE (In)	HOSE CLAMP ID (In) MIN.	HOSE CLAMP ID (In) MAX.
1	1/4 to 3/8	7/16	25/32
2	1/2 to 3/4	11/16	1-1/4
3	1 to 1-1/2	1-1/16	2
4	2 to 2-1/2	2-1/16	3
5	3 to 3-1/2	3-5/16	4-1/4
6	4	3-9/16	4-1/2
7	5	5-1/8	6
8	6	6 -1/8	7
X	Other Specify		

1D	G	K	Z	Z	1	36"	C

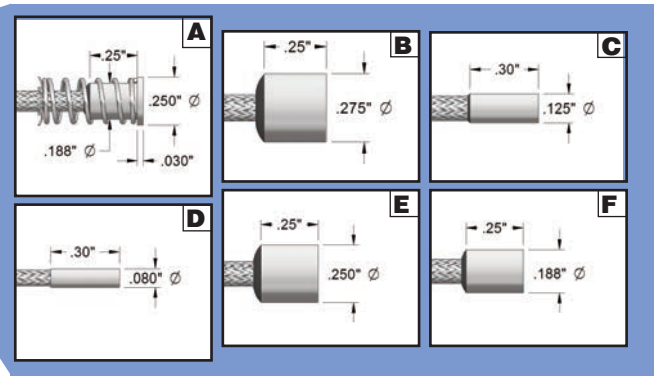
WIRE STYLE BEARING SENSOR



Note: Case, spring, retainer, & sealing sleeve/feedthrough are stainless steel.

#1	DESCRIPTION
1P	Bearing sensor

#2	CASE STYLE
A	.188" Ø X .250" L (spring-loaded)
B	.275" Ø X .250" L (fixed)
C	.125" Ø X .300" L (fixed)
D	.080" Ø X .300" L (fixed)
E	.250" Ø X .250" L (fixed)
F	.188" Ø X .250" L (fixed)
X	Other, specify



#3	THERMOCOUPLE TYPE
T	Copper/Constantan
K	Chromel/Alumel
J	Iron/Constantan
N	Nicrosil/Nisil
X	Other, specify

#4	ELEMENT CONSTRUCTION
S	Single
D	Dual
X	Other, specify

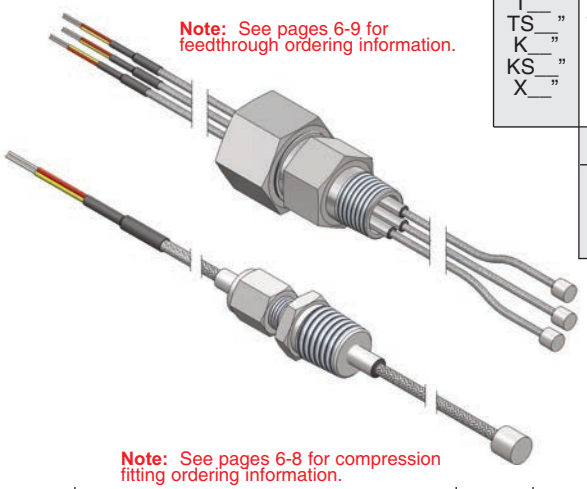
#5	MEASURING JUNCTION
G	Grounded (Standard)
U	Ungrounded
I	Isolated

#6	A LENGTH
___"	A length (in inches)

#7	SEALING SLEEVE/FEEDTHROUGH DIAMETER
C	3/16" Ø
B	1/4" Ø
X	Other, specify
Z	N/A

#8	LEAD WIRE TYPE & B LENGTH	
T__"	Teflon	Max temp- 392°F
TS__"	Teflon with SSOB overall	
K__"	Kapton	Max temp- 500°F
KS__"	Kapton with SSOB overall	
X__"	Other, specify	

Note: See pages 6-9 for feedthrough ordering information.



#9	COLD END TERMINATION	[Add'l options see Pg. 1-7]
A	Bare ends	
B	Miniature plug	
C	Standard plug	
X	Other, specify	

#10	OPTIONS
1	Stainless steel tag
2	Plastic tag
3	Paper tag
4	Laser etch on sleeve/feedthrough
X	Other, specify

Note: See pages 6-8 for compression fitting ordering information.

1P	B	T	S	G	36"	B	TS60"	A	4

ADDITIONAL TERMINATIONS

	COLD END TERMINATION [SEE SECTION 6] Choose as many as applicable (JMS part number prefixes are shown in parenthesis)		
Connectors			
	Plugs		**Jacks**
B	Miniature plug (6A1B)	D	Miniature jack (6A1D)
BH	Miniature high temperature plug (6A2B) <800°F	DH	Miniature high temperature jack (6A2D) <800°F
C	Standard plug (6A1C)	E	Standard jack (6A1E)
F	Standard high temperature plug (6A2C) <800˚F	G	Standard high temperature jack (6A2E) <800˚F
WM	Microphone style plug (6DA)	WF	Microphone style jack (6DA)
WA	Solid pin plug, heavy duty (6A3C)	WB	Solid pin jack, heavy duty (6A3E)
WC	Jab in plug (6A4C)	WD	Jab in jack (6A4E)
WE	Ultra high temperature plug, glazed (6A5C) <1200°F	WG	Ultra high temperature jack, glazed (6A5E) <1200°F
WH	Ultra high temperature plug, unglazed (6A7C) <1200°F	WI	Ultra high temperature jack, unglazed (6A7E) <1200°F
WJ	Low noise plug (6A6C) <425°F	WK	Low noise jack (6A6E) <425°F
WL	DIN-IEC microphone plug (6DB)	WN	DIN-IEC microphone style jack (6DB)
V	Molded/hermetic plug (6DC)	VF	Molded/hermetic jack (6DC)
Y	M12 Male connector (6DY)	YF	M12 Female connector (6DY)

Heads [6–1] Visit *www.JMS-SE.com/headspecs*

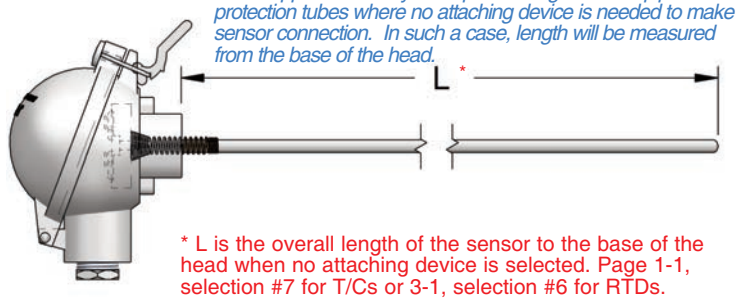
Explosion Proof

I	Aluminum, NEMA 4X, FM, CSA, IP66 (6IA/6B4)
J	316 stainless steel, NEMA 4X, FM, CSA, IP66 (6ISS/6B4)
P	Aluminum, NEMA 4X, FM, CSA, ATEX, IECEx, IP66 (6IAIEC/6B4)
U	316 stainless steel, NEMA 4X, FM, CSA, ATEX, IECEx, IP66 (6ISSATEX/6B4)
SI	Cast Iron, NEMA 3, 4, UL, CSA (6I/6PT)
GA	Aluminum, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP66 (688A1)
GS	316SS, screw cover w/ indicating window, NEMA 4X, ATEX, IECEx, FM, CSA, IP66 (688S1)

General Purpose

L	Aluminum w/ hinged cover (6L/6B4)
M	Aluminum w/ screw cover & chain (6M/6B4)
R	Aluminum w/ hinged high dome cover (6R/6B4)
N	Cast Iron w/ screw cover (6N/6B4)
Q	Black Noryl plastic (6Q/6B4)
SS	316 stainless steel w/ screw cover & chain (6SS/6B4)
WP	White plastic, screw cover, Sanitary (6WP, 6B4)
SB	Nickel plated, cylinder style, 1/4" NPT (6S250)
SD	Nickel plated, cylinder style, 1/8" NPT (6S125)
SC	Stainless steel, socket cap style
ST	Molded plastic, mini head, 1/4" NPT, < 350F (6T)
SU	Molded plastic, mini head, 1/4" NPT, < 800F (6U)

Some applications may have pre-existing threaded pipes or protection tubes where no attaching device is needed to make sensor connection. In such a case, length will be measured from the base of the head.



* 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.

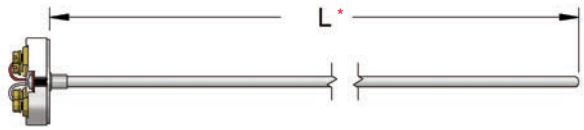
Transmitters

8H	Isolated transmitter
8N	Non-isolated transmitter
8I	Hart Protocol
8E	Intrinsically safe
8D	Hart/Intrinsically safe
8M	Integral transmitter (see page 3-5) RTDs ONLY

Notes:
- Add span range after transmitter selection. Example: 8H(0-200C).
- Transmitter output = 4 - 20 mA. (See section 8 for other options).

Other

A	Bare ends
K	Spade lugs (6SL)
RL	Ring lugs (6RL)
O	Open ceramic terminal block, Brass screw terminal (6B)
OA	Open Bakelite terminal block, Nickel plated screw terminal (6BB)
OB	Open ceramic terminal block for sensors with bayonet style connection, Brass screw terminal (6B or 6C/6DMD)
OG	Ceramic terminal block, Brass screw terminal (6G)
OP	Pluggable Polymide terminal block, Nickel plated screw terminal (6PT
OS	Open ceramic terminal block, Nickel plated solder terminal (6C)
CG	Cord connector/grip, Aluminum 1/2" NPT (6CC)
PS	Ship straight
X	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.