

INDUSTRIAL THERMOCOUPLES

A		CODE	HEAD EXTENSION
		2	NIPPLE (NOTE 1)
		4	NIPPLE/UNION/NIPPLE (NOTE 1)

B		CONNECTION HEAD			
CODE	MATERIAL	TYPE	NEMA		
AN	ALUMINUM	WATER PROOF	4		
SN	STAINLESS STEEL	WATER PROOF, CORROSION RESISTANT	4, 4X		
AE	ALUMINUM	EXPLOSION PROOF (NOTE 2)	4		
SE	STAINLESS STEEL	EXPLOSION PROOF, CORROSION RESISTANT (NOTE 2)	4, 4X		
XD	ALUMINUM	EXPLOSION PROOF, FM, CSA APPROVED (NOTES 2 & 3)	4, 4X		
A	CAST IRON	WEATHER PROOF, RUGGED			
L	POLYPROPYLENE	WEATHER PROOF, LIGHT WEIGHT			
AX	ALUMINUM, LARGE DEVICE, EPOXY COATED	EXPLOSION PROOF, ATEX APPROVED (NOTE 3)	4		

C		CODE	CONDUIT OPENING	D	CODE	TUBE OPENING	E	CODE	"A" LENGTH
			1/2 or 3/4NPT			1/2			IN INCHES

F		ELEMENT CONSTRUCTION				
CODE		DIAMETER	WIRE SIZE (AWG)	INSULATION	SPRING LOADED	
	SINGLE	DUPLEX				
ASL18	ADSL18	1/8"	24	MgO-SHEATH	YES	
A316	AD316	3/16"	20	MgO-SHEATH	NO	
ASL316	ADSL316	3/16"	20	MgO-SHEATH	YES	
A14	AD14	1/4"	18	MgO-SHEATH	NO	
ASL14	ADSL14	1/4"	18	MgO-SHEATH	YES	
B14	BD14	.325"	14	CERAMIC BEAD	NO	
B20	BD20	.183"	20	CERAMIC BEAD	NO	

G		CODE		CALIBRATION
STANDARD	SPECIAL (NOTE 4)			
J	JJ	IRON (+) vs CONSTANTAN (-)		
K	KK	CHROMEL (+) vs ALUMEL (-)		
T	TT	COPPER (+) vs CONSTANTAN (-)		
E	EE	CHROMEL (+) vs CONSTANTAN (-)		
N	NN	NICROSIL (+) vs NISIL (-)		
-	KKS	CHROMEL (+) vs ALUMEL (-) (NOTE 5)		
-	EES	CHROMEL (+) vs CONSTANTAN (-) (NOTE 5)		

H		CODE	MEASURING JUNCTION
		G	SINGLE GROUNDED, GROUNDED TO SHEATH
		U	SINGLE UNGROUNDED, ISOLATED FROM SHEATH
		DG	DUPLEX GROUNDED, GROUNDED TO SHEATH
		DU	DUPLEX UNGROUNDED, ISOLATED FROM SHEATH

J		CODE	ELEMENT SHEATH MATERIAL	STANDARD CALIBRATIONS (NOTE 6)
		P	304 STN. STL.	J, K, T
		R	316 STN. STL.	J, K, T, E, N
		Q	310 STN. STL.	J, K, E
		J	INCONEL 600	K, N, KKS, EES (NOTE 5)

DROP CODE WHEN USING CERAMIC BEADED ELEMENTS

K		WELL TYPE				
CODE	PROCESS NPT	OD-1	OD-2	ID	HEX	
122	3/4"	.500	.750	.260	1.13	
142	1"	.500	.880	.260	1.38	

L		CODE	WELL MATERIAL
		P	304 STAINLESS STEEL
		B	BRASS
		R	316 STAINLESS STEEL
		PLorRL	304or316 S. S. (LOW CARBON)
		N	CARBON STEEL

M		CODE	"F" LENGTH
			IN INCHES (1.75" STD.)

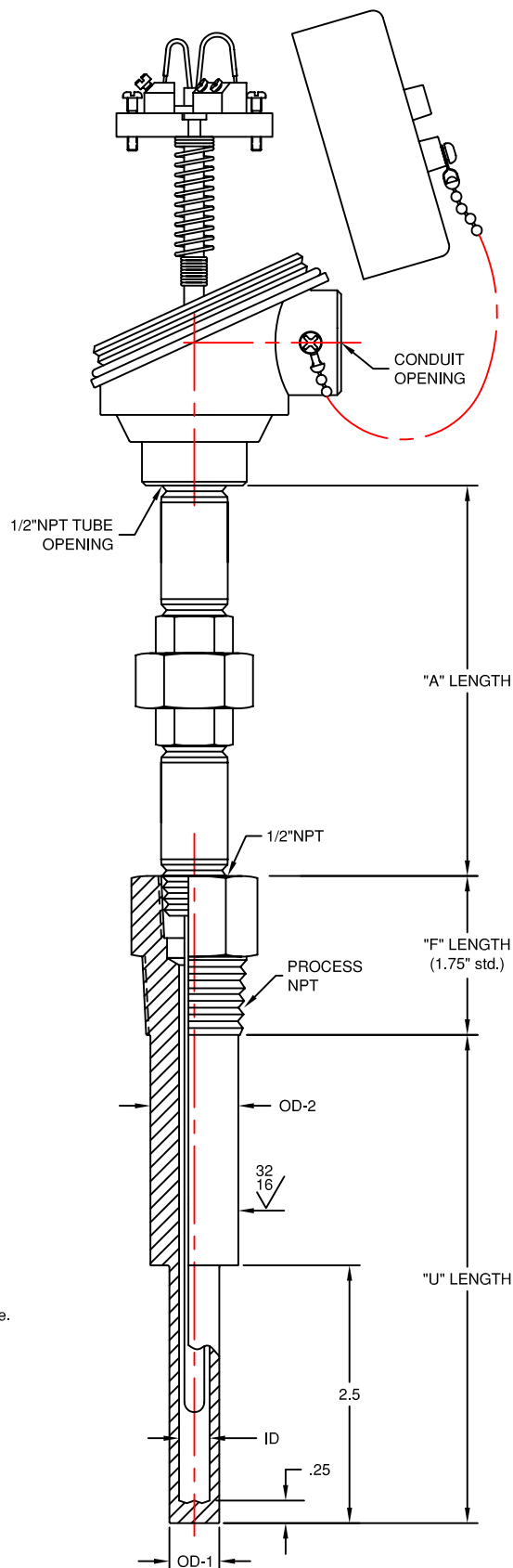
N		CODE	"U" LENGTH
			IN INCHES

Notes:

- (1) Standard Nipples - Steel, Schedule 40.
Standard Unions - Black Malleable Iron, 150#.
OPTIONAL STAINLESS STEEL
Nipples - 304 or 316 Stainless Steel, Schedule 40 or 80.
Unions - 304 or 316 Stainless Steel.
Example Ordering Code: 4AE 3/4 1/2 6(R or R80).
- (2) Rated NEC class 1, Groups B, C and D.
- (3) ATEX approved EEx d IIC, T6.
- (4) Meets or exceeds Special Initial Calibration Tolerances per ANSI MC96.1-1982 and ASTM E230-1993
- (5) KKS & EES denotes stabilized thermocouple and special tolerance.
- (6) Contact factory for other calibration and sheath combinations.
- (7) For an item that does not fall within the catalog description an (SP) can be added to the ordering code as part of a custom construction.

EXAMPLE: 4 AN $\frac{3}{4}$ - $\frac{1}{2}$ - 4 - ASL14 KGR - 142 R 1.75 - 6

A B C D E F G H J K L M N



SECTION INTC

DRILLED THREADED WELL ASSEMBLIES STEPPED DOWN SHANK CONSTRUCTION 3/4 & 1\"/>