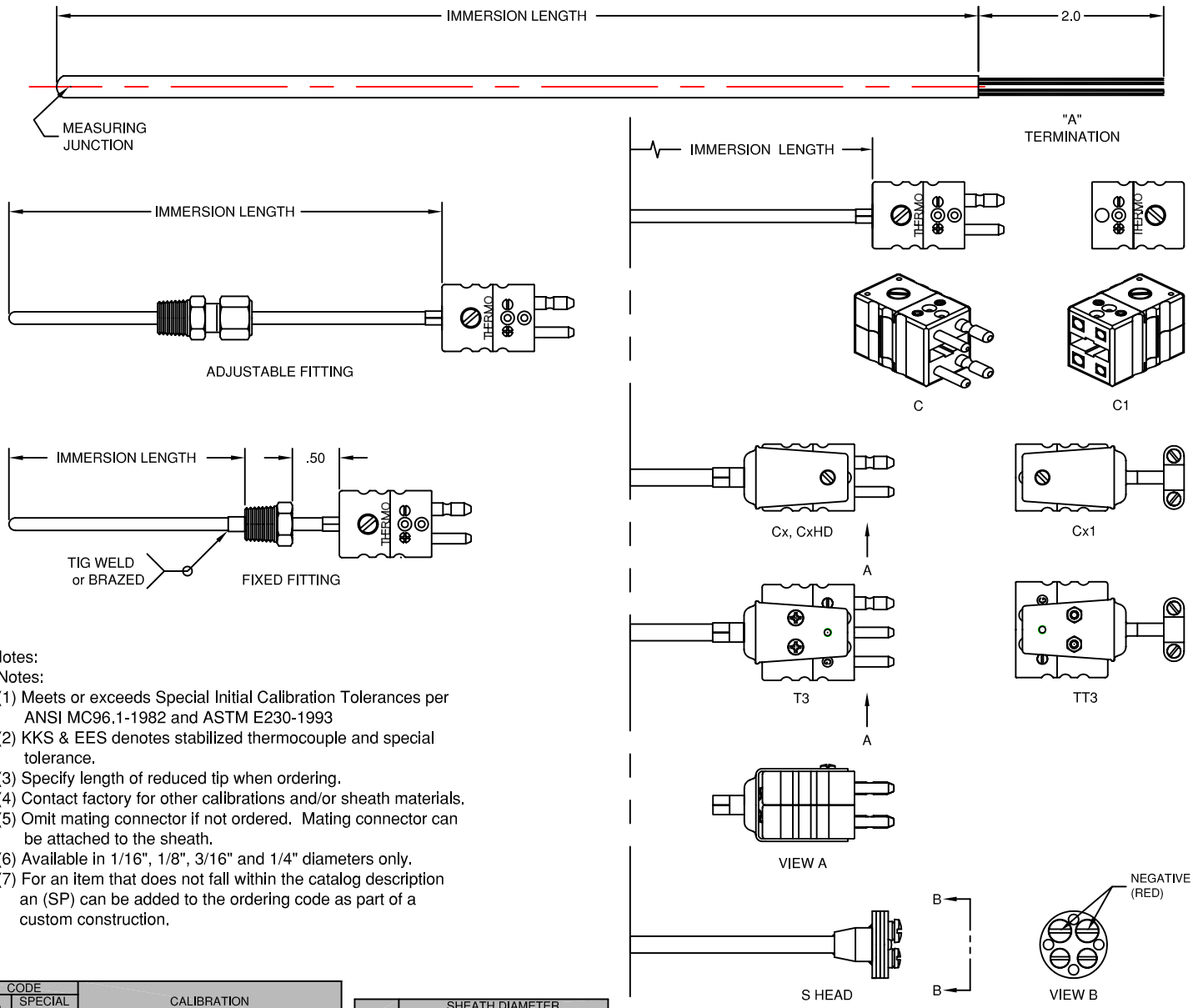


IMMERSION THERMOCOUPLES



- Notes:
- (1) Meets or exceeds Special Initial Calibration Tolerances per ANSI MC96.1-1982 and ASTM E230-1993
 - (2) KKS & EES denotes stabilized thermocouple and special tolerance.
 - (3) Specify length of reduced tip when ordering.
 - (4) Contact factory for other calibrations and/or sheath materials.
 - (5) Omit mating connector if not ordered. Mating connector can be attached to the sheath.
 - (6) Available in 1/16", 1/8", 3/16" and 1/4" diameters only.
 - (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.

CODE	CALIBRATION
J	IRON(+) vs CONSTANTAN(-)
K	CHROMEL(+) vs ALUMEL(-)
T	COPPER(+) vs CONSTANTAN(-)
E	CHROMEL(+) vs CONSTANTAN(-)
N	NICROSIL(+) vs NISIL(-)
KKS	CHROMEL(+) vs ALUMEL(-) (NOTE 2)
EES	CHROMEL(+) vs CONSTANTAN(-) (NOTE 2)

CODE	SHEATH DIAMETER		
	FRACTION	DECIMAL	METRIC
125	1/25"	.040	1.1mm
116	1/16"	.063	1.6mm
18	1/8"	.125	3.2mm
316	3/16"	.187	4.8mm
14	1/4"	.250	6.4mm
516	5/16"	.313	8.0mm
38	3/8"	.375	9.5mm

CODE	MEASURING JUNCTION
DG	GROUNDING
DU	UNGROUNDING
DRG	REDUCED GRD. (NOTE 3)
DRU	REDUCED UNGRD. (NOTE 3)
DE	EXPOSED LOOP

CODE	SHEATH MATERIAL		STD. CALIBRATIONS (NOTE 4)
	MATERIAL		
304	304 STN. STL.		J, K, T
316	316 STN. STL.		J, K, T, E, N
310	310 STN. STL.		J, K, E
1600	INCONEL 600		K, N, KKS(NOTE 2), EES(NOTE 2)



CODE	FITTING	CODE	THREAD SIZE
BR	ADJUSTABLE BRASS, BRASS INSERT	1/8	1/8"NPT
BRT	READJUSTABLE BRASS, TEFLON INSERT	1/4	1/4"NPT
SS	ADJUSTABLE STN. STL., STN. STL. INSERT	1/2	1/2"NPT
SST	READJUSTABLE STN. STL., TEFLON INSERT		
SSL	READJUSTABLE STN. STL., LAVA INSERT		
FX	FIXED STN. STL., ATTACHED TO SHEATH		
0	FITTING NOT REQUIRED		

CODE	IMMERSION LENGTH (IN INCHES)

CODE	TERMINATION	MATING CONN. (NOTE 5)	
		CODE	TEMPERATURE LIMIT
A	BARE ENDS		
C	STANDARD SIZE DUPLEX PLUG	C1	390°F(200°C)
Cx	EXTENDED LIMITS DUPLEX PLUG	Cx1	660°F(320°C)
CxHD	EXT. LIMITS SOLID PIN DUPLEX PLUG	Cx1	660°F(320°C)
T3	THREE PIN DUPLEX PLUG	TT3	390°F(200°C)
S	COOLANT HEAD (NOTE 6)		WIRE ONLY



TEMPERATURE MEASUREMENT DESIGNER'S GUIDE
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SECTION IMTC

IMMERSION THERMOCOUPLES with CONNECTORS

DUPLEX CONSTRUCTION

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