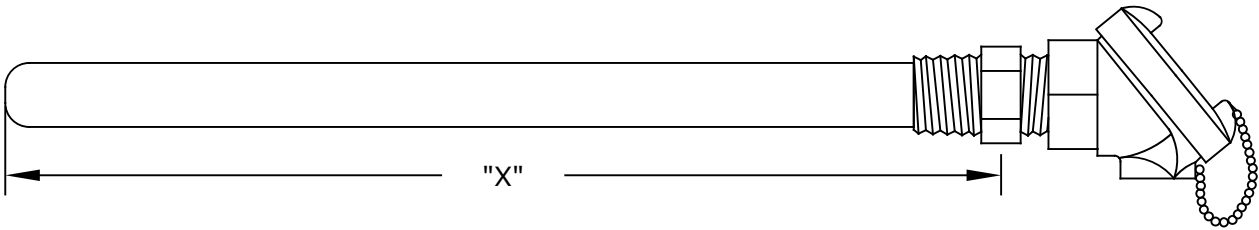
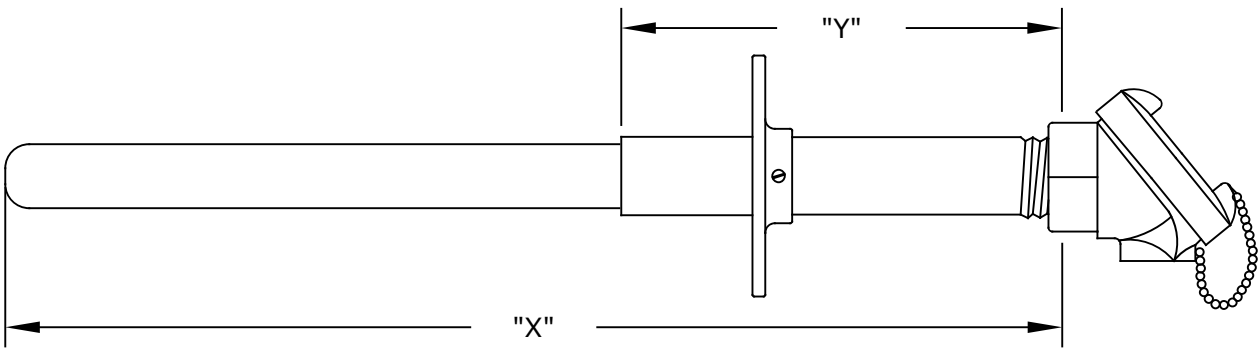


STRAIGHT THERMOCOUPLE ASSEMBLIES WITH CERAMIC PROTECTION TUBES

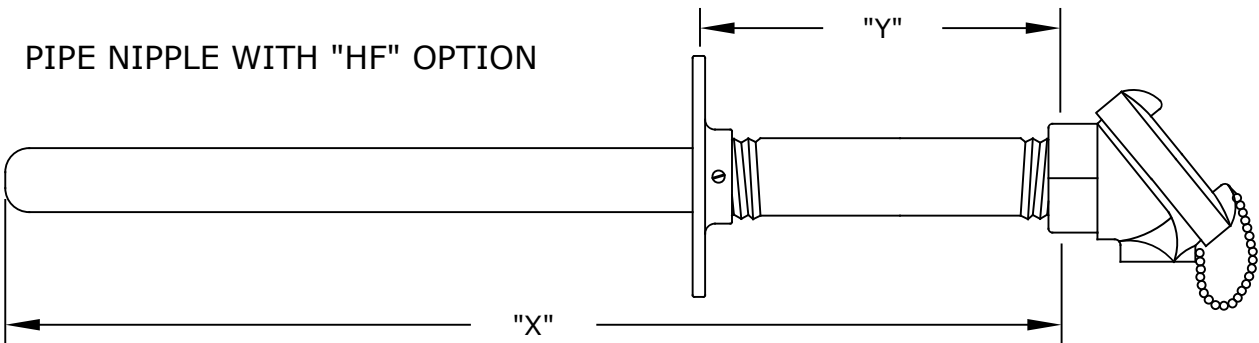
HEX FITTING



PIPE NIPPLE WITH "H" OPTION

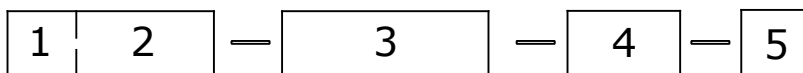


PIPE NIPPLE WITH "HF" OPTION



Acrolab's straight thermocouple assemblies with mullite or alumina protection tubes are commonly used in high temperature process heating applications. They are available in a variety of lengths, diameters and mounting options.

STRAIGHT THERMOCOUPLE ASSEMBLIES WITH CERAMIC PROTECTION TUBES



1. CALIBRATION	
CODE	DESCRIPTION
B	SINGLE, TYPE B
K	SINGLE, TYPE K
N	SINGLE, TYPE N
R	SINGLE, TYPE R
S	SINGLE, TYPE S
BB	DUAL, TYPE B
KK	DUAL, TYPE K
NN	DUAL, TYPE N
RR	DUAL, TYPE R
SS	DUAL, TYPE S

2. GAUGE	
CODE	DESCRIPTION
8	TYPE K & N ONLY. 16C, 16D OR 16E TUBES ONLY
11	TYPE K ONLY. 16B, 16C, 16D OR 16E TUBES ONLY
14	TYPE N ONLY
24	TYPE B, R OR S ONLY
26	TYPE R OR S ONLY

4. TUBE "X" LENGTH	
CODE	DESCRIPTION
12	12" OVERALL LENGTH
18	18" OVERALL LENGTH
24	24" OVERALL LENGTH
30	30" OVERALL LENGTH
36	36" OVERALL LENGTH
48	48" OVERALL LENGTH
SPECIFY OTHER LENGTHS IN 1" INCREMENTS	

5. OPTIONS	
CODE	DESCRIPTION
A	OPEN END (CLOSED END STANDARD)
B	HEAD WITH INTERNAL GROUND SCREW
H	ADJUSTABLE STEEL FLANGE
HF	THREADED FLANGE ON NIPPLE
I	OTHER (SPECIFY)
K	WEATHERPROOF ALUMINUM HEAD
M	SPECIAL LIMITS OF ERROR WIRE
NT	NO PROCESS THREADS ON PIPE NIPPLE
P	STEEL UNION AND NIPPLES TO CONNECT HEAD TO PROTECTION TUBE
V	STAINLESS STEEL UNION AND NIPPLES
W	PROTECTIVE WHITE EPOXY COATING ON HEAD
X	EXPLOSION PROOF HEAD

3. TUBE MATERIAL					
CODE		TUBE SIZE		FITTING SIZE	FITTING TYPE
MULLITE	ALUMINA	ID	OD	PROCESS THREAD	DESCRIPTION
16AH	17AH	1/4"	3/8"	1/2" NPT	STEEL HEX. FITTING
16A1	17A1	1/4"	3/8"	1/2" NPT	1" LONG NIPPLE
16A4	17A4	1/4"	3/8"	1/2" NPT	4" LONG NIPPLE
16A(X)	17A(X)	1/4"	3/8"	1/2" NPT	(X)" LONG NIPPLE (SPECIFY)
16AF	17AF	1/4"	3/8"	NONE	7/8" OD X 2" BRASS FERRULE
16A	17A	1/4"	3/8"	NONE	PLAIN TUBE
16AC		1/4"	3/8"	NONE	5/8" OD X 1/2" LONG COLLAR
16BH	17BH	7/16"	11/16"	3/4" NPT	STEEL HEX. FITTING
16B1	17B1	7/16"	11/16"	3/4" NPT	1" LONG NIPPLE
16B4	17B4	7/16"	11/16"	3/4" NPT	4" LONG NIPPLE
16B(X)	17B(X)	7/16"	11/16"	3/4" NPT	(X)" LONG NIPPLE (SPECIFY)
16BF	17AB	7/16"	11/16"	NONE	7/8" OD X 2" BRASS FERRULE
16B	17B	7/16"	11/16"	NONE	PLAIN TUBE
16BC		7/16"	11/16"	NONE	1" OD X 1/2" LONG COLLAR
16CH	17CH	1/2"	3/4"	3/4" NPT	STEEL HEX. FITTING
16C1	17C1	1/2"	3/4"	3/4" NPT	1" LONG NIPPLE
16C4	17C4	1/2"	3/4"	3/4" NPT	4" LONG NIPPLE
16C(X)	17C(X)	1/2"	3/4"	3/4" NPT	(X)" LONG NIPPLE (SPECIFY)
16C	17C	1/2"	3/4"	NONE	PLAIN TUBE
16CC		1/2"	3/4"	NONE	1 1/8" OD X 1/2" LONG COLLAR
16DH	17DH	5/8"	7/8"	1" NPT	STEEL HEX. FITTING
16D1	17D1	5/8"	7/8"	1" NPT	1" LONG NIPPLE
16D(X)	17D(X)	5/8"	7/8"	1" NPT	(X)" LONG NIPPLE (SPECIFY)
16D	17D	5/8"	7/8"	NONE	PLAIN TUBE
16EH	17EH	1"	1 1/4"	1 1/4" NPT	STEEL HEX. FITTING
16E1	17E1	1"	1 1/4"	1 1/4" NPT	1" LONG NIPPLE
16E(X)	17E(X)	1"	1 1/4"	1 1/4" NPT	(X)" LONG NIPPLE (SPECIFY)
16E	17E	1"	NONE	NONE	PLAIN TUBE
SILICON CARBIDE					
18J-(X)		1"	1 3/4"		WITH COLLAR
18J-(X)		1"	1 3/4"		WITHOUT COLLAR

EXAMPLE PART NUMBER: K14-16CI-018-K
 K14 = TYPE K, 14 GAUGE
 16CI = MULLITE, 3/4" OD, 1" LONG NIPPLE
 018 = 18" INSERTION
 K = WEATHERPROOF CAST ALUMINUM HEAD