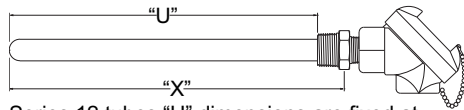


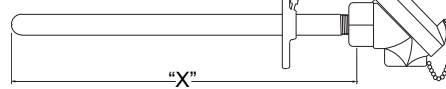
The straight base metal thermocouple assemblies illustrated on this page are typically used in high temperature and highly corrosive applications commonly found in waste incinerators, cement and lime kilns, utility and waste recovery boilers, and other severe process environments. Special construction designs are also available. **Note: Welded bushings will be welded at maximum length possible when X and U dimensions are specified as the same length. Actual U dimension will be 1 to 2 inches shorter than specified depending on bushing size.**

SERIES 12 ASSEMBLY with 1" STEEL HEX FITTING STD.

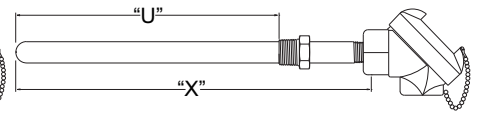


Series 12 tubes "U" dimensions are fixed at approximately 1" less than specified "X" length

SERIES 41 ASSEMBLY with OPTIONAL FLANGE



ASSEMBLY with WELDED BUSHING



ORDER CODES

Example Order Number:

K8C - 41-75 - 24 - 6E20 - 34, I

1 Thermocouple Type + Wire Gauge Size

CODE	
K8C	N8C
DUPLIX T/C ASSEMBLIES	
For duplex assemblies use the T/C type code letter twice. Example: K8C - 41 - 75 becomes KK8C - 41 - 75	
8 gauge duplex thermocouple elements supplied in 41-50 and 12-75 protection tubes will be supplied with round insulators.	

2 Protection Tube Material NPT Connection

CODE	NPT SIZE (inches)	PIPE SCHED.
HR - 160		
41 - 50	1/2	40
41 - 75	3/4	40
41 - 100	1	40
LT - 1		
12 - 75	3/4	0.875" OD 0.625" ID

3 Tube "X" Length

LENGTH (inches)	LENGTH (inches)
12	30
18	36
24	
Specify other lengths in 1 inch increments.	

4 Optional Welded Bushings

CODE		DESCRIPTION
STEEL	316SS	BUSHING SIZE (inches)
6D(U)	8D(U)	3/4 NPT Bushing (25 and 50 tubes only)
6E(U)	8E(U)	1 NPT Bushing (50 and 75 tubes only)
6F(U)	8F(U)	1(1/4) NPT Bushing
6G(U)	8G(U)	1(1/2) NPT Bushing

Substitute insertion length, in inches, measured from hot tip to bottom of bushing for (U) above.

Insert NW in place of insertion length (U) for bushing supplied loose on tube.

Optional Union and Nipple Head Connection

STEEL	316 SS	Union-nipple supplied as material specified
6PU(E)	8PU(E)	

Insert extension length, in inches, for (E) above.

5 Head Terminations

CODE	DESCRIPTION
31	Aluminum screw cover head
34	Cast iron screw cover head
49	Flip top aluminum head
71 ^[1]	Cast iron aluminum explosion proof head
81 ^[1]	316L SS explosion proof head
91 ^[1]	316L SS head
[1] Not available with 1" NPT protection tubes.	

5-1 Assembly Options

CODE	DESCRIPTION
GS	Ground screw
H	Adjustable steel mounting flange
I	Stainless tag
6Y	Steel temperature check fitting
L	Insulated hot junction