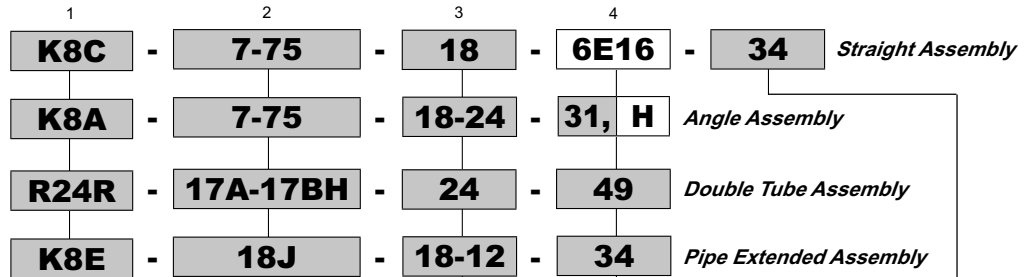


The preceding catalog pages have provided order code numbers for thermocouple elements, protection tubes, and the most commonly used industrial thermocouple assemblies. Non-standard assemblies can be designated by selecting the proper thermocouple element(s) and protection tube(s) from the appropriate pages in this catalog section. Component part order code numbers selected from those pages, and assembled as described below, with desired options from below, will provide the part number for a complete industrial thermocouple assembly. Special construction designs, using non-cataloged components, are also available. Consult factory for details.

### ORDER CODES

**Example Order Number:**



#### 1 Thermocouple Element

Insert **order code** for thermocouple type, wire gauge size, and insulator type from the appropriate thermocouple element pages located in this catalog section.

#### 2 Protection Tube

Insert **order code** for tube material and size from the appropriate protection tube pages located in this catalog section.

Double protection tube assemblies require selection of 2 tubes. **Example: 17A - 17BH**

#### 3 Protection Tube Length

**STRAIGHT ASSEMBLIES:** Insert the desired protection tube "X" length in inches.

**ANGLE ASSEMBLIES:** Requires specifying **hot** and **cold** leg length in inches.

**PIPE EXTENDED ASSEMBLIES:** (Supplied with steel coupling and pipe extension beyond protection tube) Insert letter code 'E' after wire gauge and specify extension length in inches.

#### 4 Optional Welding Bushings (Applies to Metal Alloy Tubes only)

CODE		DESCRIPTION
STEEL	316SS	<b>BUSHING SIZE (inches)</b>
6C(U)	8C(U)	1/2 NPT bushing (25 tubes)
6D(U)	8D(U)	3/4 NPT bushing (25 and 50 tubes)
6E(U)	8E(U)	1 NPT bushing (25, 50, 75 tubes)
6F(U)	8F(U)	1(1/4) NPT bushing (50, 75, 100 tubes)
6G(U)		1(1/2) NPT bushing (50, 75, 100 tubes)

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 Connections

CODE		DESCRIPTION
STEEL	316SS	Both union and nipple supplied as material specified
6PU(E)	8PU(E)	

Insert extension length, in inches, for (E)

Head Terminations		Assembly Options	
CODE	DESCRIPTION	CODE	DESCRIPTION
31	Aluminum screw cover head	A	Open end protection tube
34	Cast iron screw cover	CB	Continuous bend angle assembly
49	Flip top aluminum head	GS	Ground screw
71 <sup>[1]</sup>	Cast iron/aluminum explosion proof head Group C	6Y	Steel temperature check fitting
72 <sup>[1]</sup>	DIN form B aluminum explosion proof head Group B	H	Adjustable steel mounting flange
81 <sup>[1]</sup>	316L SS explosion proof head	HC	Adjustable steel flange (cold leg)
82 <sup>[1]</sup>	DIN form B 316SS explosion proof head Group B	HT	Threaded flange on nipple
91 <sup>[1]</sup>	316L SS head	I	Stainless tags
92 <sup>[1]</sup>	DIN form B 316SS head	L	Insulated hot junction or recessed junction
N	Open type terminal head (B,R,S) with 16AF, 16BF, 17AF, 17BF tubes only	NT	Supplied without threads
[1] Not Available with 1" NPT protection tubes		UL	Steel union elbows
		SB	1/2" NPT Conduit Reducer Bushing