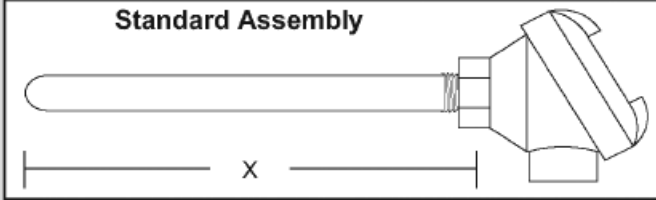
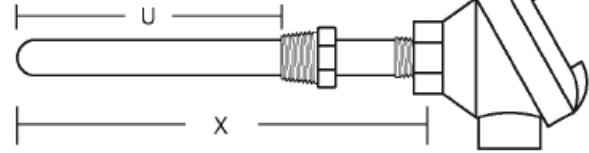


# Metal Tube Assemblies Thermocouples

**Standard Assembly**



**With Optional Welded Bushing**



Metal Tube Assembly

MTA — 1 A 2 KK 3 20R 4 C5 5 12 6

**1. Head Type \ Connection**

A = Cast Iron  
B = Cast Aluminum

**2. Sensor Type**

| Single | Dual |
|--------|------|
| K      | KK   |
| J      | JJ   |
| N      | NN   |

**3. Wire Gauge / Insulator**

| AWG       |
|-----------|
| 20        |
| 14        |
| 8         |
| R = round |
| C = oval  |

**6. Options**

**Process Connection**

W = Welded Bushing  
(Specify NPT & insertion length "U")  
N = Union Nipple  
(Specify Extension length)  
F = Malleable Iron flange

**5. Tube Length (X)**

12 = 12"  
18 = 18"  
24 = 24"  
30 = 30"  
36 = 36"  
Other - Specify

**4. Tube Material / Size**

| Material         |
|------------------|
| S = 316SS        |
| F = 304SS        |
| C = Carbon Steel |
| I = Inconel 600  |
| Pipe Size        |
| 2 = 1/4"         |
| 5 = 1/2"         |
| 7 = 3/4"         |
| 1 = 1"           |

**Metal Protection Tube Only**

MTO

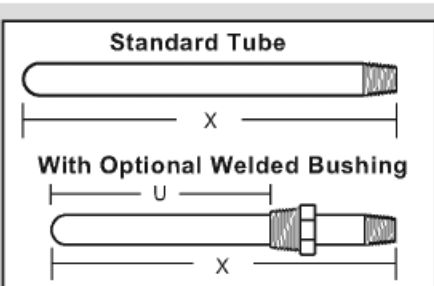
**Tube Material / Size**

C5

**Tube Length (X)**

12

**Options**



| Tube Material    |
|------------------|
| S = 316SS        |
| F = 304SS        |
| C = Carbon Steel |
| I = Inconel 600  |
| Pipe Size        |
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