

The below illustrated thermocouples are most commonly used in the mixing of rubber compounds and other abrasive substances. All standard thermocouples are individually tested to meet or surpass the Industry Time Response Test Standard. Thermocouple sensors are supplied with grounded hot junctions as standard. Thermocouples may be ordered with a choice of either a hard-chrome plated tip, or with a XH-5 coated tip that provides greater abrasion and wear resistance.

FIGURE 1

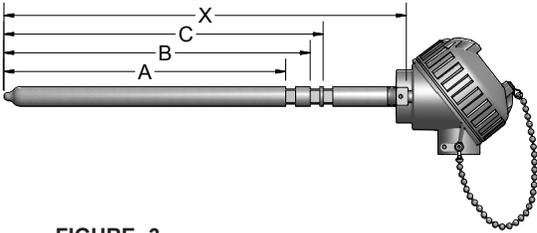


FIGURE 2

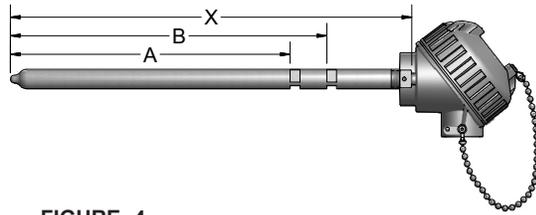


FIGURE 3

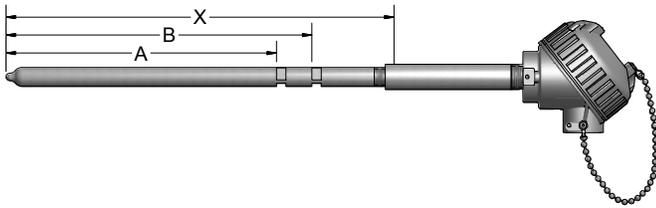
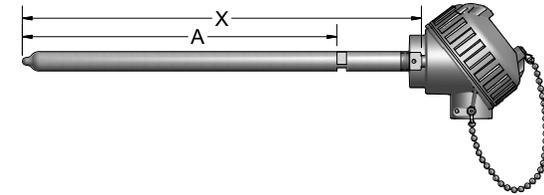


FIGURE 4



All mill slots are 5/16" wide. Abrasion-resistant tips are 0.625" O.D. x 1/2" long.

ORDER CODES

Example Order Number:

J050G - **CM** - **10** - **31**

1 Measuring Element

| CODE | | ELEMENT TYPE |
|--|--------|---------------------|
| SINGLE | DUPLEX | |
| J050G | JJ050G | Type J thermocouple |
| To order type K thermocouple replace 'J' in the above order code with desired (K). | | |

3 Termination Options

| CODE | ELEMENT TYPE |
|---|-----------------------------|
| 31 | Aluminum screw-cover head |
| 49 | Aluminum flip-top head |
| [1]K1_ _ _ | Polyimide - solid conductor |
| [1] Specify lead length in inches using 3 digits. | |

2 Mounting Configuration

| CODE | | MOUNTING NOTCH CONFIGURATION | TYPICAL APPLICATION BY MIXER MODELS | FIG. NO. |
|--|-----------------|--|-------------------------------------|----------|
| HARD CHROME-PLATED TIP | XH-5 COATED TIP | | | |
| 10 | 12 | 3 notch (square) | 11D, F80, 9D, 3D | 1 |
| 20 | 22 | 2 notch (triangular) | F270, F620 | 2 |
| 20E | 22E | 2 notch (triangular) w/ nipple extension | F370, F620 | 3 |
| 40 | 42 | 1 notch (triangular) | F270 | 4 |
| Applications are typical, but may vary by machine. | | | | |

Critical Sensor Dimensions

| MOUNTING CONFIG. CODE | FIG. NO. | DIMENSIONS (inches) | | | | |
|--------------------------------------|----------|---------------------|----------|---------|--------|---|
| | | A | B | C | X | E |
| 10 or 12 | 1 | 9 1/16 | 9 13/16 | 10 5/16 | 13 | |
| 20 or 22 | 2 | 13 31/32 | 15 31/32 | | 18 | |
| 20E or 22E | 3 | 13 31/32 | 15 31/32 | | 17 5/8 | 5 |
| 40 or 42 | 4 | 10 7/32 | | | 12 | |
| All notches are 5/16" wide (nominal) | | | | | | |