

# THERMOCOUPLE ELEMENTS & ASSEMBLIES

FOR METAL CASTING & OTHER INDUSTRIAL APPLICATIONS



Pyrotek offers a complete line of thermocouple elements for temperature sensing in metal casting, heat treating and other thermal processes. Bare and ceramic insulated elements are supplied in a variety of standard designs with specialty constructions available upon request. Pyrotek also supplies magnesium oxide (MgO) thermocouple elements and assemblies for all temperature sensing applications. Our sales engineers are trained to assist you in selecting the correct thermocouple element for your specific requirement.

## APPLICATIONS:

- Melting and holding furnaces
- Heat treating furnaces
- Metal transfer systems
- Metal degassing systems
- Extrusion pre-heat furnaces
- Rolling mills
- Sand and permanent mould foundries
- Die casting
- Investment casting
- Carbon bake furnaces

## ELEMENT TYPES:

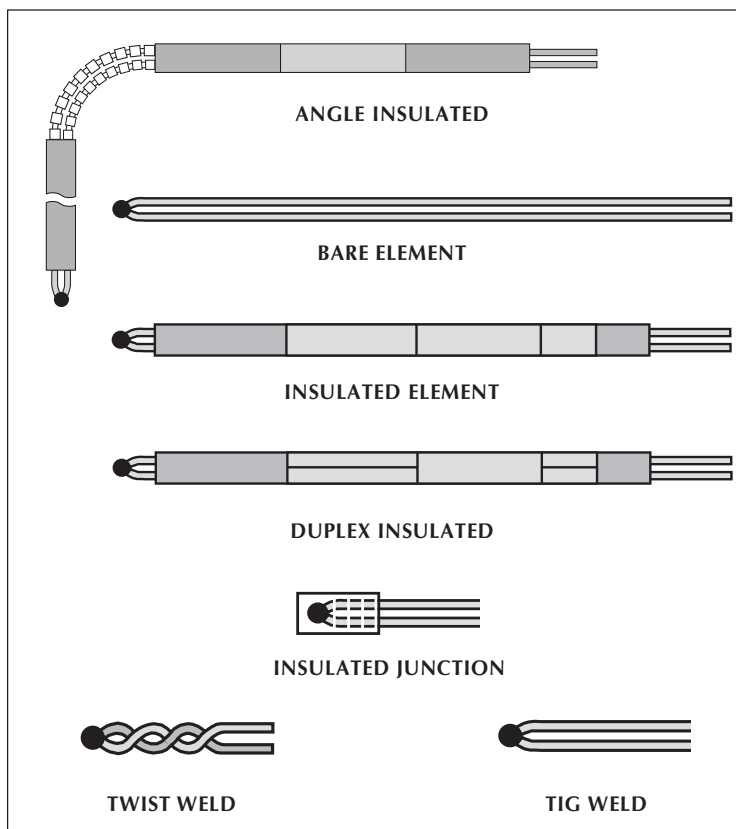
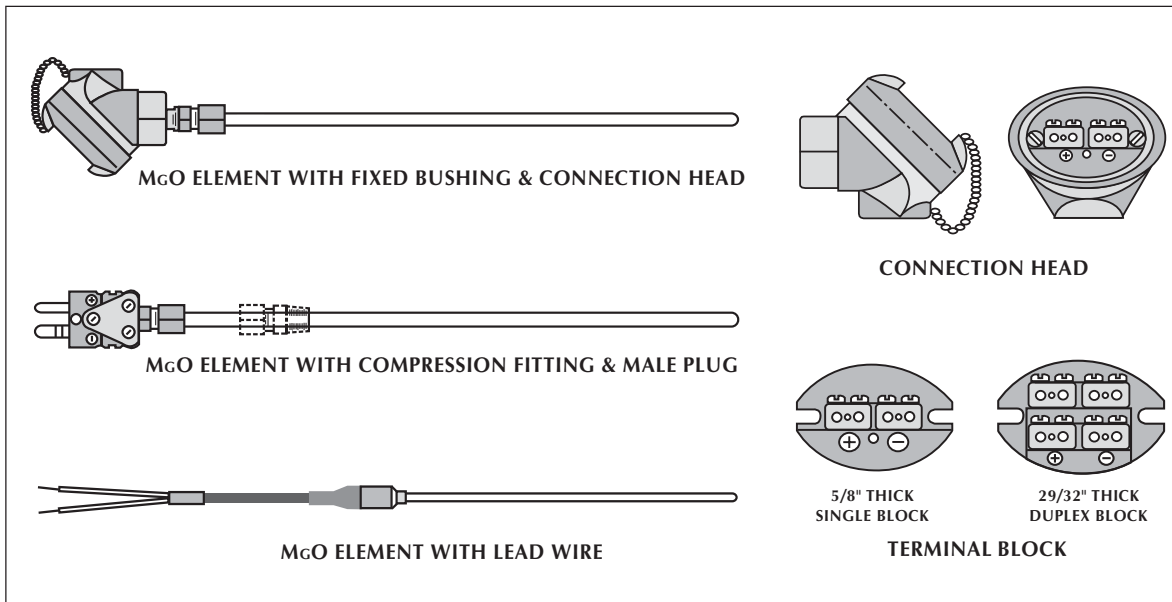
- Bare elements
- Insulated straight elements
- Insulated angled elements
- Duplex insulated elements
- Magnesium oxide (MgO) insulated elements

## ELEMENT OPTIONS:

- Types J, K and N
- Gauges 8, 11, 14 and 20
- Insulated junction
- Tig weld only
- Twist and tig weld

Pyrotek's worldwide locations provide fast reliable service. Please contact us for additional information.

**Pyrotek**



**MgO OPTIONS:**

- Types J, K and N
- Stainless sheath (Grades 304, 310, 316 and 446)
- Inconel 600 sheath
- Flexible lead wire
- Male plug or female jack termination
- Compression fitting
- Bayonet cap and spring
- Fixed bushing
- Connection head with or without terminal block

**THERMOCOUPLE ACCESSORIES:**

- Screw cover connection heads (cast iron and die cast aluminium)
- Terminal Blocks (single and duplex)

Advanced Metals Processing Technology



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