



# MARATHON HEATER

HEATERS AND THERMOCOUPLES

## Thermocouples & RTD Sensors



**THERMAL  
PRODUCTS**  
INC.  
Engineered Solutions To  
Industrial Applications

## THERMOCOUPLES & RTD SENSORS



### **MARATHON HEATER**

**808 Hackberry Lane—HCR 3,**

**Box 86E**

**Del Rio, TX 78840**

**(830) 775-1417**

**Fax (830) 775-4379**

**[www.marathonheater.com](http://www.marathonheater.com)**

Marathon Heater is pleased to present our line of premium temperature sensors. We offer standard thermocouples, mineral insulated thermocouples, and RTDs. Marathon has hundreds of different models in stock and offers quick turnaround, usually 48 hours or less, on custom designed and manufactured units. We use only the highest grade materials and offer a variety of sheath materials for any environment or temperature range. All sensors are subject to rigid quality control procedures and a thorough inspection process. Expert engineering assistance is readily available for any order size, large or small. In addition to your sensor needs, Marathon can engineer a complete thermal system for you. Worldwide on site support is available through one of our many distributors or representatives.

Contact Marathon Heater today and let us help you.

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***100's of Stock Items Ready for Immediate Delivery***

## Adjustable Depth Thermocouples w/ Stainless Steel Armor

### Standard Features

- 3/16" diameter probe
- Fits standard bayonet adapters
- 12" spring with bayonet cap
- Grounded construction
- 24 ga. Fiberglass leads with stainless steel armor
- Spade lugs

Type J with Spade Lugs		Type J with Polarized Plug
<u>Stock Number</u>	<u>Lead Length</u>	<u>Stock Number</u>
JAC24-G1-24R1	24"	JAC24-G1-24R2
JAC36-G1-24R1	36"	JAC36-G1-24R2
JAC48-G1-24R1	48"	JAC48-G1-24R2
JAC72-G1-24R1	72"	JAC72-G1-24R2
JAC96-G1-24R1	96"	JAC96-G1-24R2
JAC120-G1-24R1	120"	JAC120-G1-24R2
JAC144-G1-24R1	144"	JAC144-G1-24R2



Type K with Spade Lugs		Type K with Polarized Plug
<u>Stock Number</u>	<u>Lead Length</u>	<u>Stock Number</u>
KAC24-G1-24R1	24"	KAC24-G1-24R2
KAC36-G1-24R1	36"	KAC36-G1-24R2
KAC48-G1-24R1	48"	KAC48-G1-24R2
KAC72-G1-24R1	72"	KAC72-G1-24R2
KAC96-G1-24R1	96"	KAC96-G1-24R2
KAC120-G1-24R1	120"	KAC120-G1-24R2
KAC144-G1-24R1	144"	KAC144-G1-24R2

### Available Options

- 2 wire or 3 wire RTD
- Type T
- 1/8" diameter probe
- Custom probe length
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Additional lead lengths available
- Custom orders welcome

**All products are made in the USA**

## Adjustable Depth Thermocouples w/ Stainless Steel Overbraid

### Standard Features

- 3/16" diameter probe
- Fits standard bayonet adapters
- 12" spring with bayonet cap
- Grounded construction
- 24 ga. Fiberglass leads with SS overbraid
- Spade lugs

Type J with Spade Lugs		Type J with Polarized Plug
<u>Stock Number</u>	<u>Lead Length</u>	<u>Stock Number</u>
JBS24-G1-24R1	24"	JBS24-G1-24R2
JBS36-G1-24R1	36"	JBS36-G1-24R2
JBS48-G1-24R1	48"	JBS48-G1-24R2
JBS72-G1-24R1	72"	JBS72-G1-24R2
JBS96-G1-24R1	96"	JBS96-G1-24R2
JBS120-G1-24R1	120"	JBS120-G1-24R2
JBS144-G1-24R1	144"	JBS144-G1-24R2

Type K with Spade Lugs		Type K with Polarized Plug
<u>Stock Number</u>	<u>Lead Length</u>	<u>Stock Number</u>
KBS24-G1-24R1	24"	KBS24-G1-24R2
KBS36-G1-24R1	36"	KBS36-G1-24R2
KBS48-G1-24R1	48"	KBS48-G1-24R2
KBS72-G1-24R1	72"	KBS72-G1-24R2
KBS96-G1-24R1	96"	KBS96-G1-24R2
KBS120-G1-24R1	120"	KBS120-G1-24R2
KBS144-G1-24R1	144"	KBS144-G1-24R2

Type J Ungrounded with Spade Lugs	
<u>Stock Number</u>	<u>Lead Length</u>
JBS24-U1-24R1	24"
JBS36-U1-24R1	36"
JBS48-U1-24R1	48"
JBS72-U1-24R1	72"
JBS96-U1-24R1	96"
JBS120-U1-24R1	120"
JBS144-U1-24R1	144"

### Available Options

- 2 wire or 3 wire RTD
- Type T
- 1/8" diameter probe
- Custom probe length
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Additional lead lengths available
- Custom orders welcome



## Adjustable Depth Thermocouples w/Stainless Steel Overbraid (Metric)

### Standard Features

- Fits metric bayonet adapters
- Metric bayonet cap with two slots
- Grounded construction
- 24 ga. Fiberglass leads w/ SS overbraid
- Spade lugs



### Dimensions for 4.75 mm diameter probe

- A** 4.75 mm Diameter
- B** 12 mm Diameter
- C** App. 6 mm Diameter

### Dimensions for 8 mm diameter probe

- A** 8 mm Diameter
- B** 14 mm Diameter
- C** App. 8 mm Diameter

Type J		Type K	
<u>Stock Number</u>	<u>Lead Length</u>	<u>Cap Size</u>	<u>Stock Number</u>
JBS39-G1-24R1-1	1 meter	12mm	KBS39-G1-24R1-1
JBS78-G1-24R1-1	2 meters	12mm	KBS78-G1-24R1-1
JBS118-G1-24R1-1	3 meters	12mm	KBS118-G1-24R1-1
JBS157-G1-24R1-1	4 meters	12mm	KBS157-G1-24R1-1
JBS39-G1-24R1-2	1 meter	14mm	KBS39-G1-24R1-2
JBS78-G1-24R1-2	2 meters	14mm	KBS78-G1-24R1-2
JBS118-G1-24R1-2	3 meters	14mm	KBS118-G1-24R1-2
JBS157-G1-24R1-2	4 meters	14mm	KBS157-G1-24R1-2

### Available Options

- 2 wire RTD
- 3 wire RTD
- Type T
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Additional lead lengths available
- Custom orders welcome

**100's of stock items for immediate delivery**

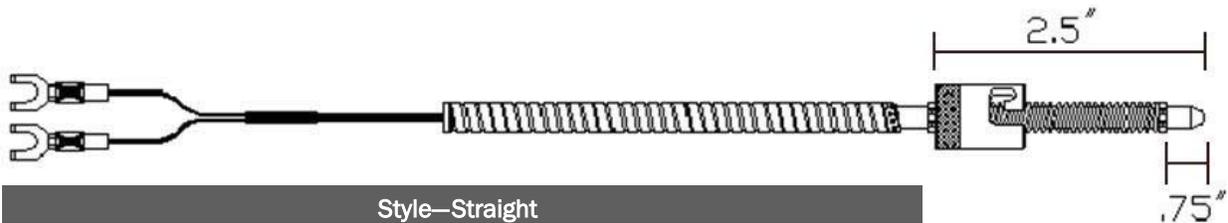
## Fixed Depth Thermocouples

### Standard Features

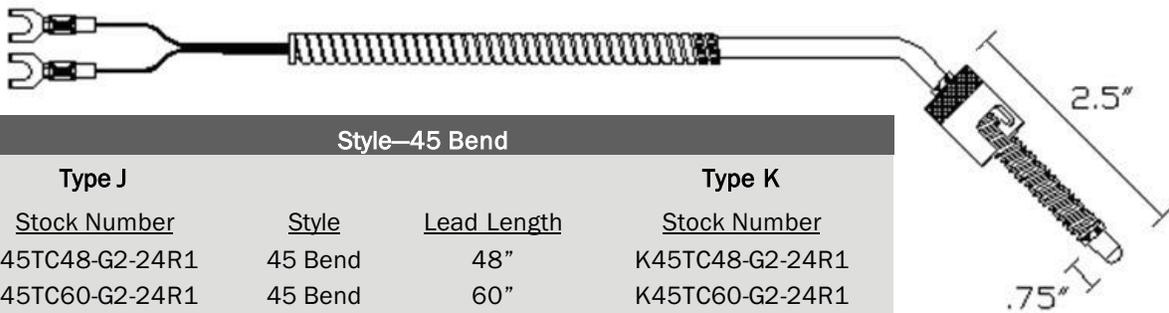
- 3/16" diameter probe
- Fits standard bayonet adapters
- 2 1/2" fixed depth
- Grounded construction
- 24 ga. Fiberglass leads with SS armor
- Spade lugs

### Available Options

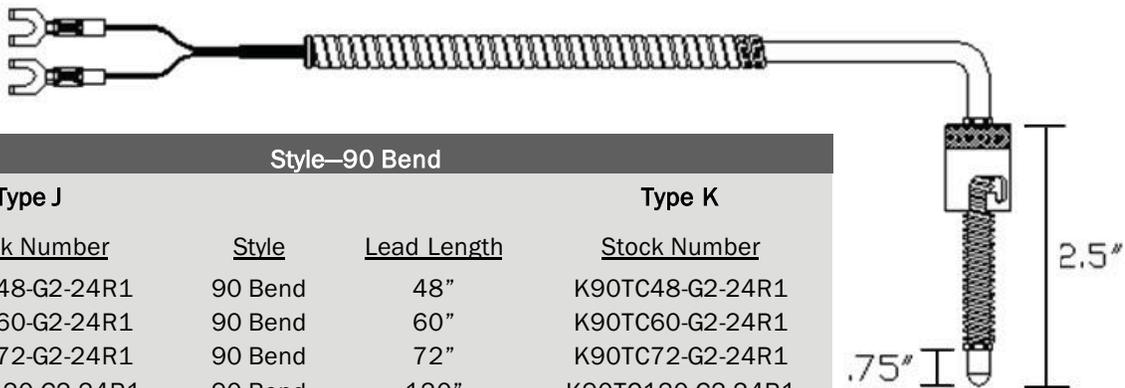
- 2 wire RTD
- 3 wire RTD
- Type T
- 1/8" diameter probe
- Custom probe length
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Additional lead lengths available
- Custom orders welcome



Style—Straight			
Type J		Type K	
Stock Number	Style	Lead Length	Stock Number
JTC48-G2-24R1	Straight	48"	KTC48-G2-24R1
JTC60-G2-24R1	Straight	60"	KTC60-G2-24R1
JTC72-G2-24R1	Straight	72"	KTC72-G2-24R1
JTC120-G2-24R1	Straight	120"	KTC120-G2-24R1



Style—45 Bend			
Type J		Type K	
Stock Number	Style	Lead Length	Stock Number
J45TC48-G2-24R1	45 Bend	48"	K45TC48-G2-24R1
J45TC60-G2-24R1	45 Bend	60"	K45TC60-G2-24R1
J45TC72-G2-24R1	45 Bend	72"	K45TC72-G2-24R1
J45TC120-G2-24R1	45 Bend	120"	K45TC120-G2-24R1



Style—90 Bend			
Type J		Type K	
Stock Number	Style	Lead Length	Stock Number
J90TC48-G2-24R1	90 Bend	48"	K90TC48-G2-24R1
J90TC60-G2-24R1	90 Bend	60"	K90TC60-G2-24R1
J90TC72-G2-24R1	90 Bend	72"	K90TC72-G2-24R1
J90TC120-G2-24R1	90 Bend	120"	K90TC120-G2-24R1

## Washer Style Surface Thermocouples

**Standard Features:**

- 3/16" stud size available
- 5/16" stud size available
- 24 ga. Fiberglass leads w/ stainless steel overbraid
- Grounded construction
- Spade lugs

**Available Options:**

- 2 wire or 3 wire RTD
- Type T
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Additional lead lengths available
- Custom orders welcome

3/16" Stud Size			5/16" Stud Size	
<u>Stock Number</u>	<u>Type</u>	<u>Lead Length</u>	<u>Stock Number</u>	
JWN36-G1-24R1	J	36"	JWQ36-G1-24R1	
JWN48-G1-24R1	J	48"	JWQ48-G1-24R1	
JWN60-G1-24R1	J	60"	JWQ60-G1-24R1	
JWN72-G1-24R1	J	72"	JWQ72-G1-24R1	
JWN96-G1-24R1	J	96"	JWQ96-G1-24R1	
JWN120-G1-24R1	J	120"	JWQ120-G1-24R1	
KWN36-G1-24R1	K	36"	KWQ36-G1-24R1	
KWN48-G1-24R1	K	48"	KWQ48-G1-24R1	
KWN60-G1-24R1	K	60"	KWQ60-G1-24R1	
KWN72-G1-24R1	K	72"	KWQ72-G1-24R1	
KWN96-G1-24R1	K	96"	KWQ96-G1-24R1	
KWN120-G1-24R1	K	120"	KWQ120-G1-24R1	



## Hose Clamp Style Thermocouples

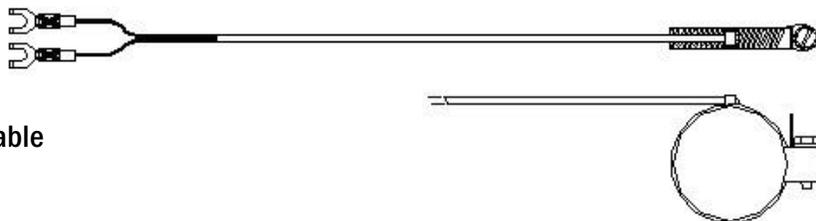
**Standard Features:**

- 1/2" wide stainless steel clamp
- 7/16" hexagon & screw drive slot
- 48" 24 ga. Fiberglass leads with stainless steel overbraid
- Spade lugs
- Grounded construction

**Available Options:**

- 2 wire or 3 wire RTD
- Type T
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Custom orders welcome
- Additional lead lengths available

Type J		Type K
<u>Stock Number</u>	<u>Clamping Range</u>	<u>Stock Number</u>
JHC48-G0-24R1	3/8" - 7/8"	KHC48-G0-24R1
JHC48-G1-24R1	1 1/16" - 1 1/2"	KHC48-G1-24R1
JHC48-G2-24R1	1 9/16" x 2 1/2"	KHC48-G2-24R1
JHC48-G3-24R1	2 1/2" - 3 3/8"	KHC48-G3-24R1
JHC48-G4-24R1	2 13/16" - 3 3/4"	KHC48-G4-24R1
JHC48-G5-24R1	3 9/16" - 4 1/2"	KHC48-G5-24R1
JHC48-G6-24R1	4 5/8" - 5 1/2"	KHC48-G6-24R1
JHC48-G7-24R1	5 5/8" - 6 1/2"	KHC48-G7-24R1



## Nissei Nozzle Thermocouples

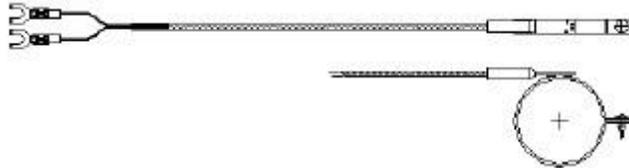
**Standard Features:**

- 30, 40 or 50 mm diameter
- 40 mm will fit 1.5" diameter
- 3/16" wide band
- Spade lugs
- 24 ga. Fiberglass leads with S/S braid
- Grounded construction

**Available Options:**

- 2 wire or 3 wire RTD
- Type T
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Custom diameters and additional lead lengths available

Type J			Type K
Stock Number	Diameter	Lead Length	Stock Number
JNS48-G1-24R1	30mm	48"	KNS48-G1-24R1
JNS72-G1-24R1	30mm	72"	KNS72-G1-24R1
JNS144-G1-24R1	30mm	144"	KNS144-G1-24R1
JNS48-G1.5-24R1	40mm	48"	KNS48-G1.5-24R1
JNS72-G1.5-24R1	40mm	72"	KNS72-G1.5-24R1
JNS144-G1.5-24R1	40mm	144"	KNS144-G1.5-24R1
JNS48-G2-24R1	50mm	48"	KNS48-G2-24R1
JNS72-G2-24R1	50mm	72"	KNS72-G2-24R1
JNS144-G2-24R1	50mm	144"	KNS144-G2-24R1



## Newbury Nozzle Thermocouples

**Standard Features:**

- 1/8" diameter probe
- 1" long x 90 degree bend with spring strain relief
- 24 ga. Fiberglass leads with stainless steel overbraid
- Spade lugs
- Grounded construction

**Available Options:**

- 2 wire or 3 wire RTD
- Type T
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Additional lead lengths available
- Custom orders welcome

Stock Number	Type
JNB48-G2-24R1	Newbury 48" overall length
JNB72-G2-24R1	Newbury 73" overall length



## Shallow Nozzle Thermocouples

### Standard Features

- 1/4-28 N F thread
- 24 ga. Fiberglass leads w/ SS braid
- Spade lugs
- Grounded construction

Type J		Type K			
<u>Stock Number</u>	<u>Lead Length</u>	<u>Thread Size</u>	<u>Dimension (A)</u>	<u>Dimension (B)</u>	<u>Stock Number</u>
JNZ48-G1-24R1	48	1/4-28 NF	.375	.455	KNZ48-G1-24R1
JNZ72-G1-24R1	72	1/4-28 NF	.375	.455	KNZ72-G1-24R1



### Available Options

- M6 x 1 thread
- M8 x 1.25 thread
- 2 wire or 3 wire RTD
- Type T
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Additional lead lengths available
- Custom orders welcome

## Shim Style Surface Thermocouples

### Standard Features

- Stainless steel shim
- 24 ga. Fiberglass leads w/SS braid
- Spade lugs
- Grounded construction

Type J		Type K
<u>Stock Number</u>	<u>Lead Length</u>	<u>Stock Number</u>
JSH48-G1-24R1	48	KSH48-G1-24R1
JSH72-G1-24R1	72	KSH72-G1-24R1



### Available Options

- 2 wire RTD
- 3 wire RTD
- Type T
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Additional lead lengths available
- Custom orders welcome

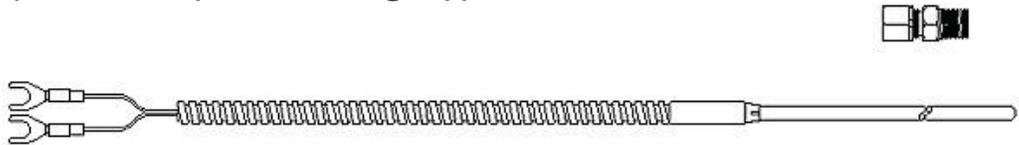
# Bendable Probe Thermocouples

**Standard Features**

- 1/8" or 3/16" diameter probe
- 6" and 12" probe lengths
- 24 ga. Fiberglass leads w/ SS armor
- Spade lugs

Type J	Also available in 1/8" probe diameter			Type K
<u>Stock Number</u>	<u>Probe Length</u>	<u>Probe Diameter</u>	<u>Lead Length</u>	<u>Stock Number</u>
JBPD48-G6-24R1	6"	3/16"	48"	KBPD48-G6-24R1
JBPD72-G6-24R1	6"	3/16"	72"	KBPD72-G6-24R1
JBPD120-G6-24R1	6"	3/16"	120"	KBPD120-G6-24R1
JBPD48-G12-24R1	12"	3/16"	48"	KBPD48-G12-24R1
JBPD72-G12-24R1	12"	3/16"	72"	KBPD72-G12-24R1
JBPD120-G12-24R1	12"	3/16"	120"	KBPD120-G12-24R1

**1/8" NPT Compression Fitting Supplied**



**Available Options**

- 2 wire RTD
- 3 wire RTD
- Type T
- Polarized plug or jack
- Mini plug or jack
- Ungrounded construction
- 20 ga. Lead wire
- Additional lead lengths available
- Additional probe lengths available
- Custom orders welcome

# RTD Sensors

**Standard Features**

- 2 wire or 3 wire
- Flexible probe
- Adjustable depth up to 10"
- Stainless steel braid
- Spade lugs
- RTD probe also available in other TC styles

<u>Stock Number</u>	<u>Lead Length</u>
RTDBS120-G1-24R1	120
RTDBS144-G1-24R1	144
RTDBS24-G1-24R1	24
RTDBS48-G1-24R1	48
RTDBS72-G1-24R1	72
RTDBS96-G1-24R1	96



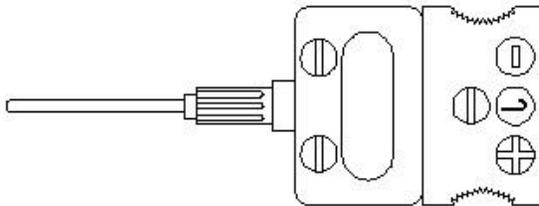
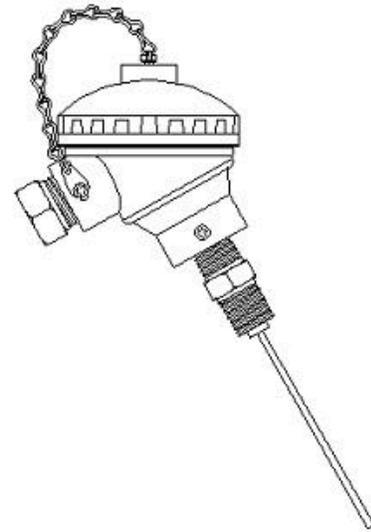
## Mineral Insulated Elements

Mineral Insulated Thermocouples are manufactured at Marathon Heater to address your higher temperature requirements. Since the calibration wire is encased within a metal sheath packed with magnesium oxide the thermocouples can withstand higher temperatures and depending on the application will last longer since they are more durable. One excellent feature of Mineral Insulated Thermocouples is faster response time.



### Design Options

- .040", .062", .125" and .187" diameter
- Grounded or ungrounded junction
- Type J or K calibration
- 304 stainless sheath or Inconel 600
- High pressure and high temperature rated
- Spade lugs, lead wires, plugs and jacks
- Flip-top housings, 2 or 4 pole



Below is a chart of suggested maximum temperatures that can assist you in selecting the proper thermocouple for your application.

304 SS and 316 SS			Inconel 600		
Diameter	J	K	Diameter	J	K
.040"	500 F	1290 F	.040"	750 F	1650 F
.062"	825 F	1650 F	.062"	1000 F	1850 F
.125"	970 F	1650 F	.125"	1250 F	2000 F
.187"	1150 F	1650 F	.187"	1400 F	2200 F
.250"	1330 F	1650 F	.250"	1400 F	2200 F
.375"	1330 F	1650 F	.375"	1400 F	2200 F

**Custom RTD and MI applications welcome**

## Hot Melt Nozzle Thermocouples

For direct temperature readings of hot plastic melt inside the nozzle.

### Standard Features

- Style F mounts flush with internal nozzle bore
- Style M protrudes 1/4" into melt stream
- 3/8-24 thread
- 48" 24 ga. Teflon leads with stainless steel armor
- Supplied with lava seal

### Available options

- Type J, Type K
- Polarized plugs or jacks
- Mini plugs or jacks
- 24 gauge lead wire at desired lengths



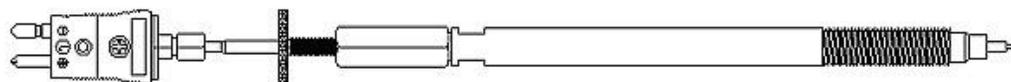
## Retractable Melt Bolt Thermocouples

Retractable Melt Bolts offer an adjustable immersion depth during full operation at maximum flow rates and pressures. Thermocouple junction can be centered in hot melt stream. Maximum temperature rating of 900 F.

### Standard Features

- Available in 3", 5" or 7" lengths
- 1/8" Diameter MGO tip
- 1/2-20 UNF thread
- Grounded, exposed or ungrounded junctions available

- Type J or K calibration
- High pressure & high temperature rated
- RTD Style available
- Immersion available from 1/8" to 1"
- Polarized plug or jack
- Replacement elements available



## Cartridge Type Thermocouples

### Standard Features

- Side sensing design
- .184" diameter x 1" long SS probe

### Available options

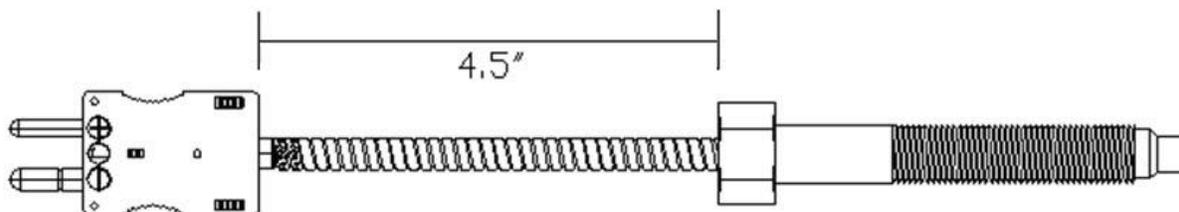
- Type J, Type K, Type T
- 2 or 3 wire RTD
- 24 gauge lead wire at desired lengths
- Polarized plugs or jacks
- Mini plugs or jacks

## Fixed Melt Bolt Thermocouples

### Standard Features

- 1/8" diameter MGO tip
- Grounded junction
- High pressure and temperature rated
- Rigid or flexible
- 1/2–20 UNF thread
- Polarized plug or jack
- Custom lead lengths available

Flexible Extension			
Type J		Type K	
Stock Number	Body Length	Tip Length	Stock Number
JMBF3-GA-24R2	3"	Flush	KMBF3-GA-24R2
JMBF3-GB-24R2	3"	1/8"	KMBF3-GB-24R2
JMBF3-GC-24R2	3"	3/16"	KMBF3-GC-24R2
JMBF6-GA-24R2	6"	Flush	KMBF6-GA-24R2
JMBF6-GB-24R2	6"	1/8"	KMBF6-GB-24R2
JMBF6-GC-24R2	6"	3/16"	KMBF6-GC-24R2
JMBF9-GA-24R2	9"	Flush	
JMBF9-GB-24R2	9"	1/8"	
JMBF9-GC-24R2	9"	3/16"	



Rigid Extension			
Type J		Type K	
Stock Number	Body Length	Tip Length	Stock Number
JMBR3-GA-24R2	3"	Flush	KMBR3-GA-24R2
JMBR3-GB-24R2	3"	1/8"	KMBR3-GB-24R2
JMBR3-GC-24R2	3"	3/16"	KMBR3-GC-24R2
JMBR6-GA-24R2	6"	Flush	KMBR6-GA-24R2
JMBR6-GB-24R2	6"	1/8"	KMBR6-GB-24R2
JMBR6-GC-24R2	6"	3/16"	KMBR6-GC-24R2
JMBR9-GA-24R2	9"	Flush	
JMBR9-GB-24R2	9"	1/8"	
JMBR9-GC-24R2	9"	3/16"	

**All products are made in the USA**

## Thermocouple Extensions with Stainless Steel Braid

**Note: Extensions available w/SS Armor under part# prefix JEA & KEA**

**Standard Features: 24 gage Fiberglass wire**

Male Plug-SS Braid-Spade Lugs			
Type J		Type K	
Stock Number	<u>Lead Length</u>	Stock Number	Stock Number
JEB48-24R21	48"	KEB48-24R21	
JEB72-24R21	72"	KEB72-24R21	
JEB120-24R21	120"	KEB120-24R21	



Female Plug-SS Braid-Spade Lugs			
Type J		Type K	
Stock Number	<u>Lead Length</u>	Stock Number	Stock Number
JEB48-24R31	48"	KEB48-24R31	
JEB72-24R31	72"	KEB72-24R31	
JEB120-24R31	120"	KEB120-24R31	



Male Plug-SS Braid-Male Plug			
Type J		Type K	
Stock Number	<u>Lead Length</u>	Stock Number	Stock Number
JEB48-24R22	48"	KEB48-24R22	
JEB72-24R22	72"	KEB72-24R22	
JEB120-24R22	120"	KEB120-24R22	



Male Plug-SS Braid-Female Plug			
Type J		Type K	
Stock Number	<u>Lead Length</u>	Stock Number	Stock Number
JEB48-24R23	48"	KEB48-24R23	
JEB72-24R23	72"	KEB72-24R23	
JEB120-24R23	120"	KEB120-24R23	



Female Plug-SS Braid-Female Plug			
Type J		Type K	
Stock Number	<u>Lead Length</u>	Stock Number	Stock Number
JEB48-24R33	48"	KEB48-24R33	
JEB72-24R33	72"	KEB72-24R33	
JEB120-24R33	120"	KEB120-24R33	



## Thermocouple Accessories

### Thermocouple Wire

Type J		Type K
<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>
TWJ20GG	20 ga. Stranded Duplex Glass over Glass	TWK20GG
TWJ20GGS	20 ga. Stranded Duplex Glass over Glass with SS overbraid	TWK20GGS
TWJ20TTS	20 ga. Stranded Duplex Teflon over Teflon with SS overbraid	TWK20TTS
TWJ24GG	24 ga. Stranded Duplex Glass over Glass	TWK24GG
TWJ24GGS	24 ga. Stranded Duplex Glass over Glass with SS overbraid	TWK24GGS
TWJ24TTS	24 ga. Stranded Duplex Teflon over Teflon with SS overbraid	TWK24TTS

### Polarized Plugs and Jacks

	Type J	Type K	RTD
<u>Description</u>	<u>Part Number</u>	<u>Part Number</u>	<u>Part Number</u>
Standard Plug	TPH10J	TPH10K	TPH10RTD
Standard Jack	TPH20J	TPH20K	TPH20RTD
Mini Plug	TPH110J	TPH110K	
Mini Jack	TPH21J	TPH21K	

### Bayonet Caps and Springs

<u>Part Number</u>	<u>Description</u>
TP502	1/4 x 28 bolt and spring
TP060	Bayonet Cap for Type AC—Adjustable Conduit
TP501	Bayonet Cap and Spring (combination) for Type BS—Adjustable Braid
TP058	Bayonet Cap for Type TC—Fixed Depth Conduit
TP061	14mm Bayonet Cap
TP072	12mm Bayonet Cap
TPH435	Spring for Metric Caps
TPH44071	7/8" x 1/8" NPT Bayonet Adapter

### Compression Fittings

Brass Compression Fittings with 1/8" NPT		Transition Fittings	
<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>	<u>Description</u>
BH111	Fits 1/8" diameter probe	TP046	1/8"
BH112	Fits 3/16" diameter probe	TP085	3/16"
BH113	Fits 1/4" diameter probe	TP082	1/4"

### Melt Bolt Blanks

<u>Part Number</u>	<u>Description</u>
MB101-3	3" Long Melt Bolt Blank
MB101-6	6" Long Melt Bolt Blank
MB101-9	9" Long Melt Bolt Blank

### Retractable Melt Bolts

<u>Part Number</u>	<u>Description</u>
RMB102-3	3.5" Retractable Melt Bolt
RMB102-5	5.75" Retractable Melt Bolt
RMB102-7	7.75" Retractable Melt Bolt

**Contact Sales for More Accessories Information**

# MARATHON HEATER

## OTHER PRODUCTS



### Air Heaters

Marathon manufactures and stocks 1/2" diameter air heaters with various terminations and configurations.



### Stock Coil Heaters

Ideal for high temperature and high watt density applications.

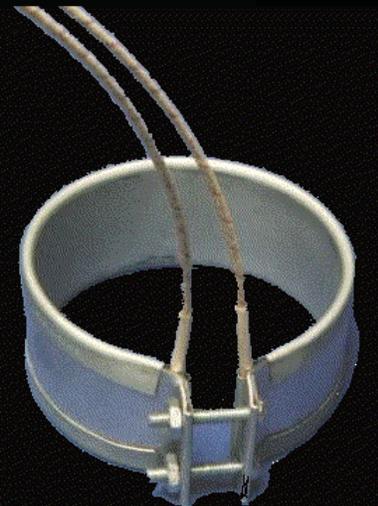


### OEM Replacement Heaters

Marathon manufactures and stocks high quality and competitive priced replacement heaters for a variety of OEM equipment.

### Mica Band Heaters

Marathon manufactures mica band heaters and nozzle heaters in a variety of sizes and configurations.



### Temperature Controllers

Microprocessor based temperature controllers for all applications and price ranges.



### Cartridge Heaters

Marathon specializes in custom manufactured cartridge heaters and also carries a wide variety of stock cartridge heaters.

## MARATHON HEATER

808 Hackberry Lane—HCR 3, Box 86E

Del Rio, TX 78840

(830) 775-1417

Fax (830) 775-4379

[www.marathonheater.com](http://www.marathonheater.com)