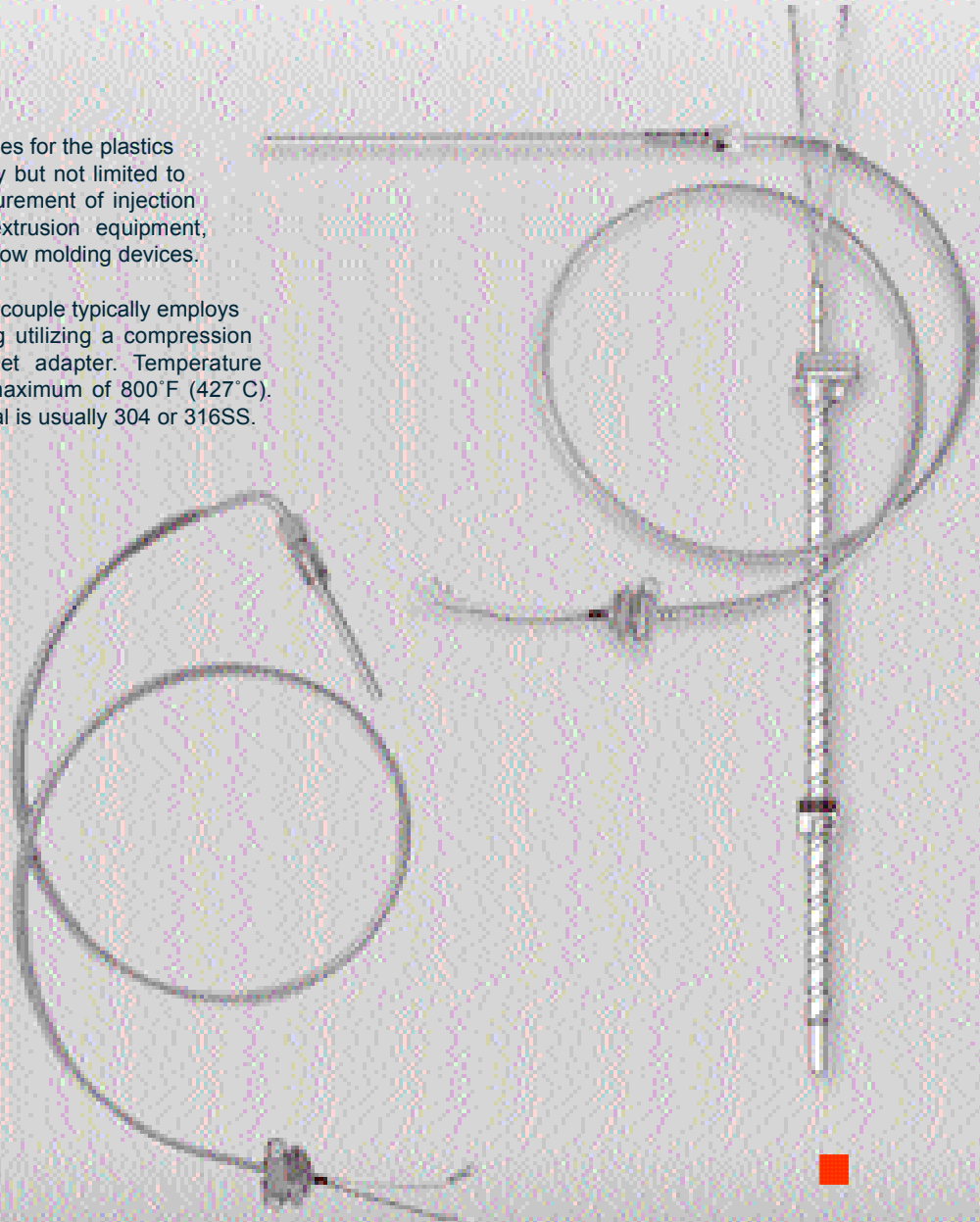


# Plastics Industry Thermocouples

TCP's line of thermocouples for the plastics industry are used mainly but not limited to the temperature measurement of injection molding machines, extrusion equipment, thermoforming and blow molding devices.

This type of thermocouple typically employs a 1/8" NPT fitting utilizing a compression fitting or bayonet adapter. Temperature ratings are a maximum of 800°F (427°C). Sheath material is usually 304 or 316SS.



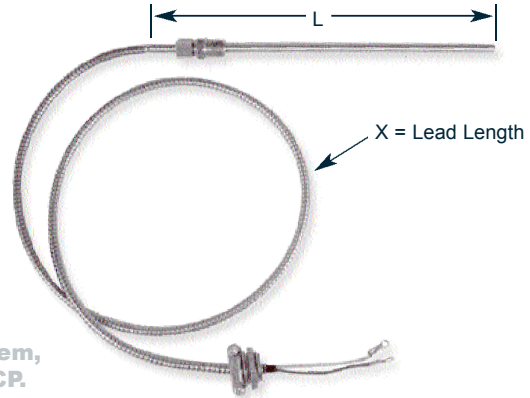


Thermo-Couple Products Co.

# INJECTION MOLDING THERMOCOUPLE

## Series 5520

- Compression Type Thermocouples for Injection Molding Applications
- 304 Stainless Steel Sheath
- 1/8" NPT Brass Male Adapter is Supplied Standard.
- All Stainless Construction with Fiberglass Insulated Wire
- 800°F Maximum Operating Temperature.



Enter a selection for each item, please fax your inquiry to TCP.

Example: 5520 - J - D - 6 - 24 - W1 - 10 - 0

5520 -  -  -  -  -  -  -

CODE	WIRE CALIBRATION
J	Iron/Constantan
K	Chromel/Alumel
T	Copper/ Constantan
E	Chromel/Constantan

CODE	SHEATH DIAMETER
D	.125"
E	.187"
Consult factory for other diameters	

IMMERSION LENGTH "L"
Specify in inches 01 to 99. For lengths over 99 inches consult factory.

CODE	OTHER PERTINENT DATA
0	NONE
999	Special Request Consult Factory

CODE	TERMINATION STYLE
10	111 Standard Plug
20	131 Mini Plug
41	3" Pig Tail, #6 Ring Terminal, 1/2" BX Connector
Code 41 is standard	

CODE	JUNCTION STYLE
W1	Grounded Flat Tip
W3	Ungrounded Tip
Code W1 code is standard	

LEAD LENGTH "X"
Specify in whole inches 01 to 99

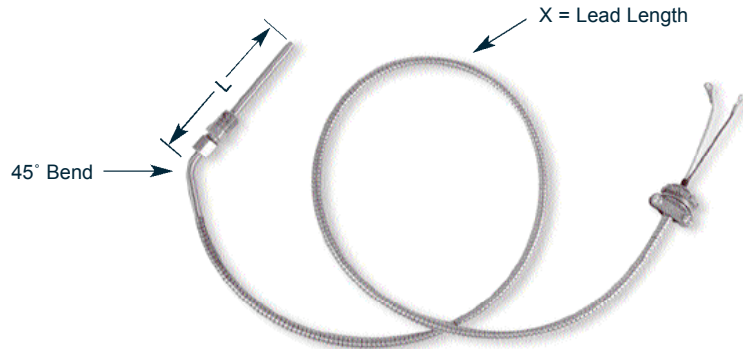
**Metric Orders Welcome**

Place an **mm** in the appropriate selection box:

# INJECTION MOLDING THERMOCOUPLE

## Series 5521

- Compression Type Thermocouples for Injection Molding Applications
- 304 Stainless Steel Sheath
- 1/8" NPT Brass Male Adapter is Supplied.
- All Stainless Construction with Fiberglass Insulated Wire
- 800°F Maximum Operating Temperature.



Enter a selection for each item, please fax your inquiry to TCP.

Example: 5521 - J - D - 6 - 30 - W1 - 10 - 0

5521 -  -  -  -  -  -  -

CODE	WIRE CALIBRATION
J	Iron/Constantan
K	Chromel/Alumel
T	Copper/ Constantan
E	Chromel/Constantan

CODE	SHEATH DIAMETER
D	.125"
E	.187"
Consult factory for other diameters	

IMMERSION LENGTH "L"
Specify in inches 01 to 99. For lengths over 99 inches consult factory.

CODE	OTHER PERTINENT DATA
0	NONE
999	Special Request Consult Factory

CODE	TERMINATION STYLE
10	111 Standard Plug
20	131 Mini Plug
41	3" Pig Tail, #6 Ring Terminal, 1/2" BX Connector
Code 41 is standard	

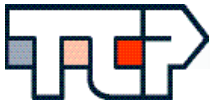
CODE	JUNCTION STYLE
W1	Grounded Flat Tip
W3	Ungrounded Tip
Code W1 is standard	

LEAD LENGTH "X"
Specify in whole inches 01 to 99

**Metric Orders Welcome**

Place an **mm** in the appropriate selection box:

100 mm

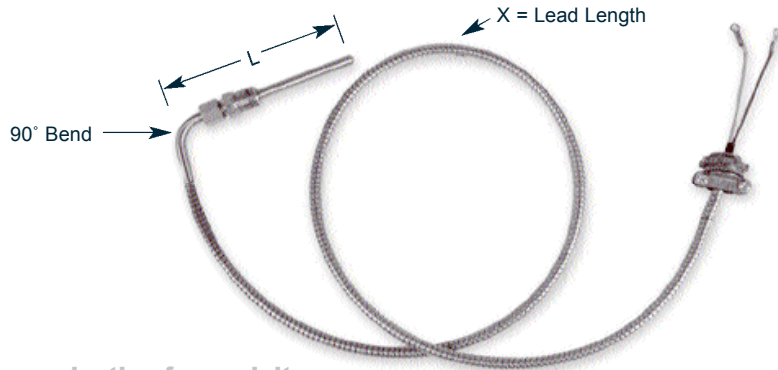


Thermo-Couple Products Co.

# INJECTION MOLDING THERMOCOUPLE

## Series 5522

- Compression Type Thermocouples for Injection Molding Applications
- 304 Stainless Steel Sheath
- 1/8" NPT Brass Male Adapter is Supplied.
- All Stainless Construction with Fiberglass Insulated Wire
- 800°F Maximum Operating Temperature.



Enter a selection for each item, please fax your inquiry to TCP.

Example: 5522 - J - D - 6 - 30 - W1 - 10 - 0

5522 -  -  -  -  -  -  -

CODE	WIRE CALIBRATION
J	Iron/Constantan
K	Chromel/Alumel
T	Copper/ Constantan
E	Chromel/Constantan

CODE	SHEATH DIAMETER
D	.125"
E	.187"
Consult factory for other diameters	

IMMERSION LENGTH "L"
Specify in inches 01 to 99. For lengths over 99 inches consult factory.

CODE	OTHER PERTINENT DATA
0	NONE
999	Special Request Consult Factory

CODE	TERMINATION STYLE
10	111 Standard Plug
20	131 Mini Plug
41	3" Pig Tail, #6 Ring Terminal, 1/2" BX Connector
Code 41 is standard	

CODE	JUNCTION STYLE
W1	Grounded Flat Tip
W3	Ungrounded Tip
Code W1 is standard	

LEAD LENGTH "X"
Specify in whole inches 01 to 99

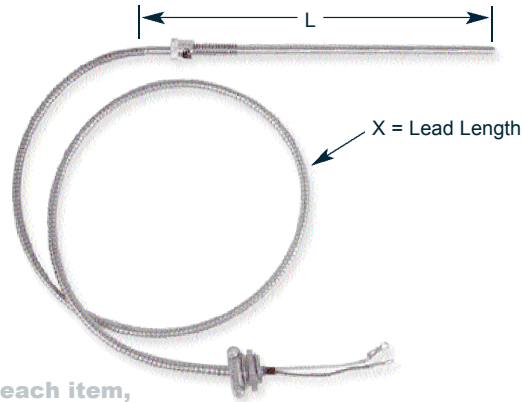
**Metric Orders Welcome**

Place an **mm** in the appropriate selection box:

# SPRING LOADED INJECTION MOLDING THERMOCOUPLE

## Series 5523

- Spring Rated for 800°F (425°C) Maximum Service
- 304 Stainless Steel Sheath
- Spring Loaded to Maximize Heat Transfer
- All Stainless Construction with Fiberglass Insulated Wire
- 800°F (425°C) Maximum Operating Temperature.



Enter a selection for each item, please fax your inquiry to TCP.

Example: 5523 - J - D - 6 - 30 - W1 - 10 - 0

5523 -  -  -  -  -  -  -

CODE	WIRE CALIBRATION
J	Iron/Constantan
K	Chrome/Alumel
T	Copper/ Constantan
E	Chrome/Constantan
Consult factory for other calibrations	

CODE	SHEATH DIAMETER
D	.125"
E	.187"
Consult factory for other diameters	

IMMERSION LENGTH "L"
Specify in inches 01 to 99. For lengths over 99 inches consult factory.

LEAD LENGTH "X"
Specify in whole inches 01 to 99

CODE	OTHER PERTINENT DATA
0	NONE
999	Special Request Consult Factory

CODE	TERMINATION STYLE
10	111 Standard Plug
20	131 Mini Plug
41	3" Pig Tail, #6 Ring Terminal, 1/2" BX Connector
Code 41 is standard	

CODE	JUNCTION STYLE
W1	Grounded Flat Tip
W3	Ungrounded Tip
Code W1 is standard	

**Metric Orders Welcome**

Place an **mm** in the appropriate selection box:

100 mm

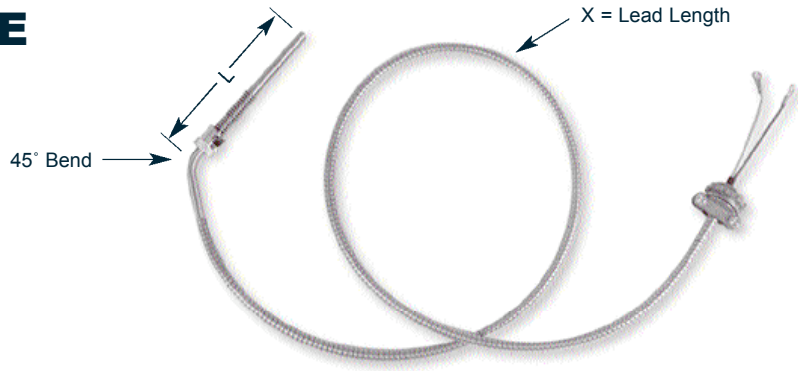


Thermo-Couple Products Co.

# SPRING LOADED INJECTION MOLDING THERMOCOUPLE

## Series 5524

- Spring Rated for 800°F (425°C) Maximum Service
- 304 Stainless Steel Sheath
- Spring Loaded to Maximize Heat Transfer
- All Stainless Construction With Fiberglass Insulated Wire
- 800°F (425°C) Maximum Operating Temperature.



Enter a selection for each item, please fax your inquiry to TCP.

Example: 5524 - J - D - 6 - 30 - W1 - 10 - 0

5524 - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

CODE	WIRE CALIBRATION
J	Iron/Constantan
K	Chromel/Alumel
T	Copper/ Constantan
E	Chromel/Constantan
Consult factory for other calibrations	

CODE	SHEATH DIAMETER
D	.125"
E	.187"
Consult factory for other diameters	

IMMERSION LENGTH "L"
Specify in inches 01 to 99. For lengths over 99 inches consult factory.

CODE	OTHER PERTINENT DATA
0	NONE
999	Special Request Consult Factory

CODE	TERMINATION STYLE
10	111 Standard Plug
20	131 Mini Plug
41	3" Pig Tail, #6 Ring Terminal, 1/2" BX Connector
Code 10 - 111 Plug is standard	

CODE	JUNCTION STYLE
W1	Grounded Flat Tip
W3	Ungrounded Tip
Code W1 is standard	

LEAD LENGTH "X"
Specify in whole inches 01 to 99

**Metric Orders Welcome**

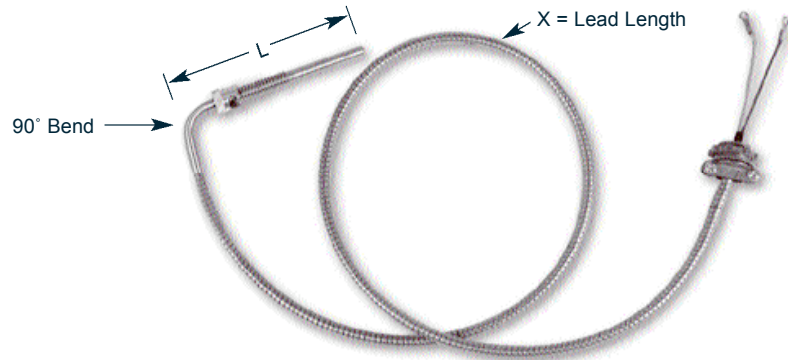
Place an **mm** in the appropriate selection box:

100 **mm**

# SPRING LOADED INJECTION MOLDING THERMOCOUPLE

## Series 5525

- Spring Rated for 800°F (425°C) Maximum Service
- 304 Stainless Steel Sheath
- Spring Loaded to Maximize Heat Transfer
- All Stainless Construction with Fiberglass Insulated Wire
- 800°F (425°C) Maximum Operating Temperature.



Enter a selection for each item, please fax your inquiry to TCP.

Example: 5525 - J - D - 6 - 60 - W1 - 10 - 0

5525 -  -  -  -  -  -  -

CODE	WIRE CALIBRATION
J	Iron/Constantan
K	Chromel/Alumel
T	Copper/ Constantan
E	Chromel/Constantan
Consult factory for other calibrations	

CODE	SHEATH DIAMETER
D	.125"
E	.187"
Consult factory for other diameters	

IMMERSION LENGTH "L"
Specify in inches 01 to 99. For lengths over 99 inches consult factory.

LEAD LENGTH "X"
Specify in whole inches 01 to 99

CODE	OTHER PERTINENT DATA
0	NONE
999	Special Request Consult Factory

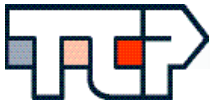
CODE	TERMINATION STYLE
10	111 Standard Plug
20	131 Mini Plug
41	3" Pig Tail, #6 Ring Terminal, 1/2" BX Connector
Code 41 is standard	

CODE	JUNCTION STYLE
W1	Grounded Flat Tip
W3	Ungrounded Tip
Code W1 is standard	

**Metric Orders Welcome**

Place an **mm** in the appropriate selection box:

100 mm

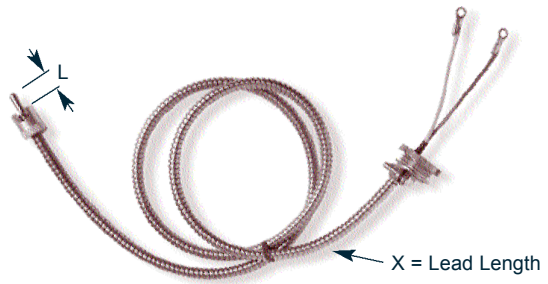


Thermo-Couple Products Co.

# UNIVERSAL THERMOCOUPLE

## Series 5528

- Adjustable Immersion Stainless Steel Flex-Hose Acts as a Spring
- Commonly Used for Injection Molding, Heated Dies, Platens, Pipelines and Others.
- Stainless Steel Construction Rated for 800°F (425°C)
- Thermocouple Conductors are Insulated with Fiberglass Braid Inside and .281" Diameter Stainless Steel Flexhose Outside
- Sheath Diameter .187"
- Grounded Junction



Enter a selection for each item, please fax your inquiry to TCP.

Example: 5528 -  -  -  -  -

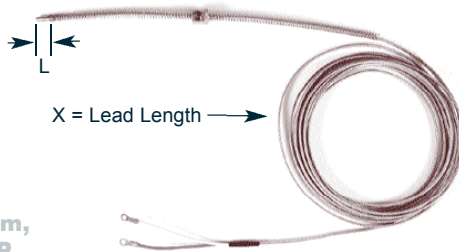
5528 -  -  -  -  -

CODE	WIRE CALIBRATION
J	Iron/Constantan
K	Chromel/Alumel
T	Copper/ Constantan
E	Chromel/Constantan
Consult factory for other calibrations	
IMMERSION LENGTH "L"	
.50	1/2" (standard)
Consult factory for other lengths	
LEAD LENGTH "X"	
36	36"
Consult factory for other lengths	

CODE	OTHER PERTINENT DATA
0	NONE
999	Special Request Consult Factory
CODE	TERMINATION STYLE
10	111 Standard Plug
20	131 Mini Plug
41	3" Pig-Tail #6 Ring Terminal, 1/2" BX Connector
Code 10 - 111 plug is standard	
Consult factory for other options	

## Series 5529

- Adjustable Immersion Using 12 inch Long Spring.
- Commonly Used for Injection Molding, Heated Dies, Platens, Pipelines and Others.
- Stainless Steel Construction Rated for 800°F (425°C)
- Thermocouple Conductors are Insulated with Fiberglass Braid and Stainless Steel Overbraid
- Sheath Diameter .187"
- Grounded Junction



Enter a selection for each item, please fax your inquiry to TCP.

Example: 5529 -  -  -  -  -

5529 -  -  -  -  -

CODE	WIRE CALIBRATION
J	Iron/Constantan
K	Chromel/Alumel
T	Copper/ Constantan
E	Chromel/Constantan
Consult factory for other calibrations	
IMMERSION LENGTH "L"	
.50	1/2" (standard)
Consult factory for other lengths	
LEAD LENGTH "X"	
36	36"
Consult factory for other lengths	

CODE	OTHER PERTINENT DATA
0	NONE
999	Special Request Consult Factory
CODE	TERMINATION STYLE
10	111 Standard Plug
20	131 Mini Plug
42	3" Pig-Tail #6 Ring Terminal
Code 42 - 3" Pig-Tail is standard	