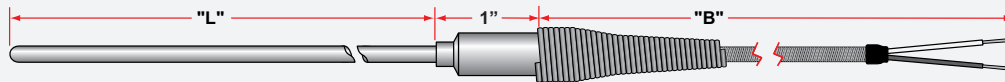


GIC Stock Sensors

METAL TRANSITION STYLE THERMOCOUPLES

Leadwire Thermocouple (900°F)



- Fiberglass Leadwire
 - 316SS Sheath
- Ungrounded Junction
 - MgO Filled
 - Field Bendable
- Sealed Transition
- Special Limits of Error

How to Order

Select Series Number and designated letter for the Appropriate sheath diameter. Example: Type J thermocouple with a 6" x 3/16" diameter probe with 10 foot of fiberglass leads is Part Number: G706J-10GG-B.

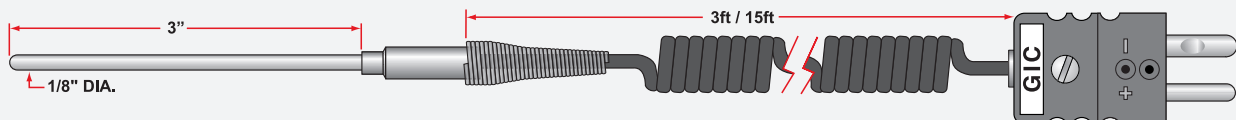
Fiberglass Leadwire Thermocouples (900°F)

SERIES NUMBER	PROBE DIAMETER			CALIB.	LEADWIRE INSULATION	PROBE LENGTH "L"	GAUGE SIZE	LEADWIRE LENGTH (B)
	1/8	3/16	1/4					
G703J-10GG	A	B	C	J	Fiberglass	3"	24	120"
G703K-10GG	A	B	C	K	Fiberglass	3"	24	120"
G703T-10GG	A	B	C	T	Fiberglass	3"	24	120"
G703J-30GG	A	B	C	J	Fiberglass	3"	24	360"
G703K-30GG	A	B	C	K	Fiberglass	3"	24	360"
G703T-30GG	A	B	C	T	Fiberglass	3"	24	360"
G706J-10GG	A	B	C	J	Fiberglass	6"	24	120"
G706K-10GG	A	B	C	K	Fiberglass	6"	24	120"
G706T-10GG	A	B	C	T	Fiberglass	6"	24	120"
G706J-30GG	A	B	C	J	Fiberglass	6"	24	360"
G706K-30GG	A	B	C	K	Fiberglass	6"	24	360"
G706T-30GG	A	B	C	T	Fiberglass	6"	24	360"
G712J-10GG	A	B	C	J	Fiberglass	12"	24	120"
G712K-10GG	A	B	C	K	Fiberglass	12"	24	120"
G712J-30GG	A	B	C	J	Fiberglass	12"	24	360"
G712K-30GG	A	B	C	K	Fiberglass	12"	24	360"
G712T-30GG	A	B	C	T	Fiberglass	12"	24	360"
G718J-10GG	A	B	C	J	Fiberglass	18"	24	120"
G718K-10GG	A	B	C	K	Fiberglass	18"	24	120"
G718J-30GG	A	B	C	J	Fiberglass	18"	24	360"
G718K-30GG	A	B	C	K	Fiberglass	18"	24	360"
G718T-30GG	A	B	C	T	Fiberglass	18"	24	360"

Teflon® Leadwire Thermocouples (500°F)

SERIES NUMBER	PROBE DIAMETER			CALIB.	LEADWIRE INSULATION	PROBE LENGTH "L"	GAUGE SIZE	LEADWIRE LENGTH (B)
	1/8	3/16	1/4					
G703J-30ETT	A	B	C	J	Teflon®	3"	24	360"
G703T-30ETT	A	B	C	T	Teflon®	3"	24	360"
G706J-30ETT	A	B	C	J	Teflon®	6"	24	360"
G706T-30ETT	A	B	C	T	Teflon®	6"	24	360"
G712J-30ETT	A	B	C	J	Teflon®	12"	24	360"
G712T-30ETT	A	B	C	T	Teflon®	12"	24	360"
G718J-30ETT	A	B	C	J	Teflon®	18"	24	360"
G718T-30ETT	A	B	C	T	Teflon®	18"	24	360"

- Teflon® Leadwire
- 316SS Sheath
- Ungrounded Junction
- MgO Filled
- Field Bendable
- Moisture Resistant
- Special Limits of Error



Polyvinyl Expandable Lead Thermocouples

SERIES NUMBER	PROBE DIA.	CALIB.	SHEATH MATERIAL	LEADWIRE INSULATION	PROBE LENGTH	LEADWIRE LENGTH
C703J COIL	0.125"	J	316SS	Polyvinyl	3"	180"

* Teflon® is a registered trademark

GIC Stock Sensors

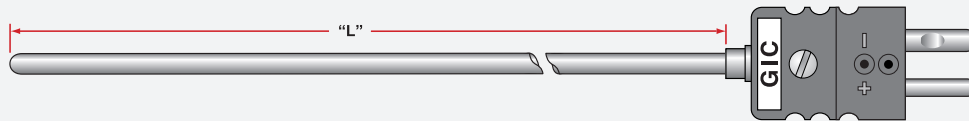
Armor Protected Thermocouples



SERIES NUMBER	PROBE DIAMETER			CALIB.	ARMOR LENGTH	WIRE GAUGE	PROBE LENGTH "L"
	1/8	3/16	1/4				
G806J	A	B	C	J	60"	24	6"
G806K	A	B	C	K	60"	24	6"
G812J	A	B	C	J	60"	24	12"
G812K	A	B	C	K	60"	24	12"
G818J	A	B	C	J	60"	24	18"
G818K	A	B	C	K	60"	24	18"

- Stainless Steel Flexible Armor
- 316SS Sheath
- MgO Filled
- Field Bendable
- Ungrounded Junction
- Sealed Transition
- Fiberglass Leadwire (900°F)
- Special Limits of Error

Quick Disconnect Thermocouples



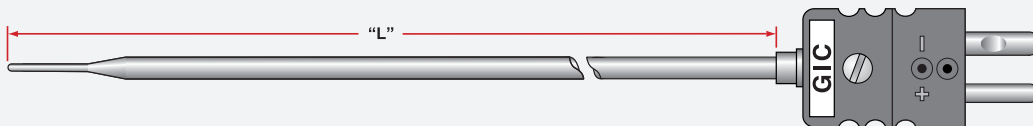
SERIES NUMBER	PROBE DIAMETER			CALIB.	PROBE LENGTH "L"
	1/8	3/16	1/4		
G506J	A	B	C	J	6"
G506K	A	B	C	K	6"
G506T	A	B	C	T	6"
G512J	A	B	C	J	12"
G512K	A	B	C	K	12"
G512T	A	B	C	T	12"
G518J	A	B	C	J	18"
G518K	A	B	C	K	18"
G518T	A	B	C	T	18"

- Brazing Adapter for Durability
- Standard Male Plug (400°F Continuous)
- Ungrounded Junction
- Special Limits of Error
- MgO Filled
- Field Bendable
- 316SS Sheath

How to Order

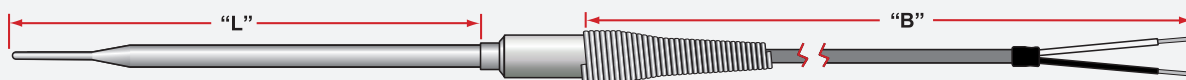
Select Series Number and designated letter for the Appropriate sheath diameter.
Example: Type J thermocouple with a 6" x 3/16" diameter probe is Part Number: G506J-B.

Reduced Tip Thermocouples



SERIES NUMBER	PROBE DIA.	CALIB.	SHEATH MATERIAL	PROBE LENGTH
G506J-RT	0.125"	J	316SS	6"
G506K-RT	0.125"	K	316SS	6"

Durability of a 1/8" Diameter MgO Filled Probe, with a 1/16" Tip for
FAST RESPONSE!



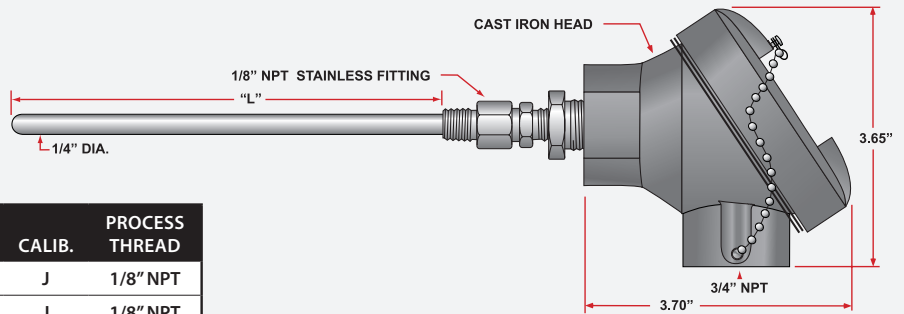
SERIES NUMBER	PROBE DIA.	CALIB.	SHEATH MATERIAL	PROBE LENGTH "L"	WIRE GAUGE	LEADWIRE LENGTH "B"	LEADWIRE INSULATION
G706J-RT	0.125"	J	316SS	6"	24	120"	Fiberglass
G706K-RT	0.125"	K	316SS	6"	24	120"	Fiberglass

INDUSTRIAL HEAD THERMOCOUPLES

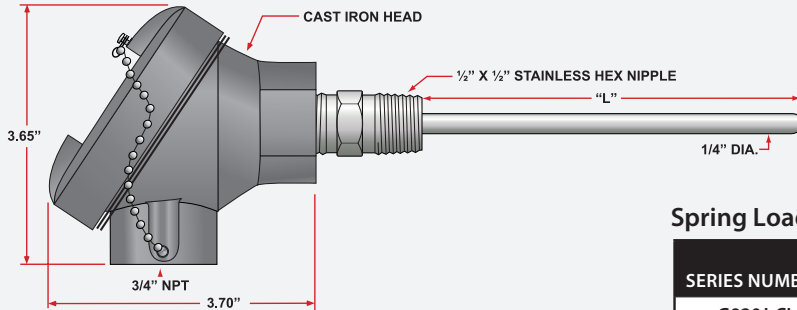
Industrial Head Thermocouples

Industrial Head T/C Cast Iron

SERIES NUMBER	PROBE LENGTH "L"	PROBE DIA.	SHEATH MATERIAL	CALIB.	PROCESS THREAD
G903J-CI	3"	0.25"	316SS	J	1/8" NPT
G906J-CI	6"	0.25"	316SS	J	1/8" NPT
G912J-CI	12"	0.25"	316SS	J	1/8" NPT
G906K-CI	6"	0.25"	316SS	K	1/8" NPT
G912K-CI	12"	0.25"	316SS	K	1/8" NPT



- Weather resistant
- 1/4" DIA. Probe
- Special Limits of Error
- Sturdy 2 Piece Cast Iron Head for Rugged Industrial Applications



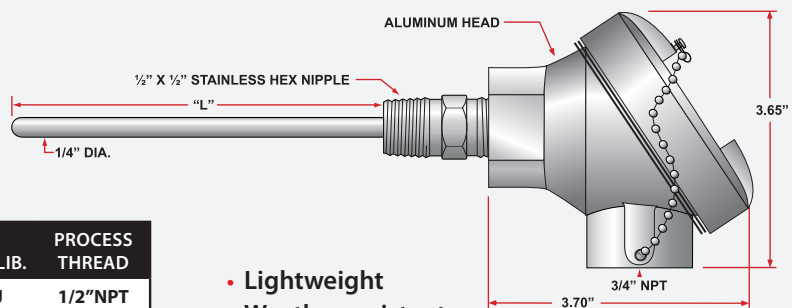
Spring Loaded Design is made to be used with a thermowell. The spring keeps the probe tight against the well bottom for more precise reading.

Spring Loaded Industrial Head T/C Cast Iron

SERIES NUMBER	PROBE LENGTH "L"	PROBE DIA.	SHEATH MATERIAL	CALIB.	PROCESS THREAD
G920J-CI	3.75"	0.25"	304SS	J	1/2" NPT
G920K-CI	3.75"	0.25"	304SS	K	1/2" NPT
G920T-CI	3.75"	0.25"	304SS	T	1/2" NPT
G921J-CI	5.75"	0.25"	304SS	J	1/2" NPT
G921K-CI	5.75"	0.25"	304SS	K	1/2" NPT
G921T-CI	5.75"	0.25"	304SS	T	1/2" NPT
G922J-CI	8.75"	0.25"	304SS	J	1/2" NPT
G922K-CI	8.75"	0.25"	304SS	K	1/2" NPT
G922T-CI	8.75"	0.25"	304SS	T	1/2" NPT

Industrial Head T/C Aluminum

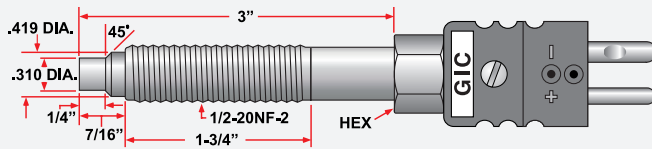
SERIES NUMBER	PROBE LENGTH "L"	PROBE DIA.	SHEATH MATERIAL	CALIB.	PROCESS THREAD
G906J-AL	6"	0.25"	316SS	J	1/2" NPT
G906K-AL	6"	0.25"	316SS	K	1/2" NPT
G912J-AL	12"	0.25"	316SS	J	1/2" NPT
G912K-AL	12"	0.25"	316SS	K	1/2" NPT
G918J-AL	18"	0.25"	316SS	J	1/2" NPT
G918K-AL	18"	0.25"	316SS	K	1/2" NPT



- Lightweight
- Weather resistant
- 1/4" DIA. Probe
- Welded fitting
- Special Limits of Error

SPECIALTY THERMOCOUPLES (for Plastic Extruders)

Melt Bolt Thermocouple



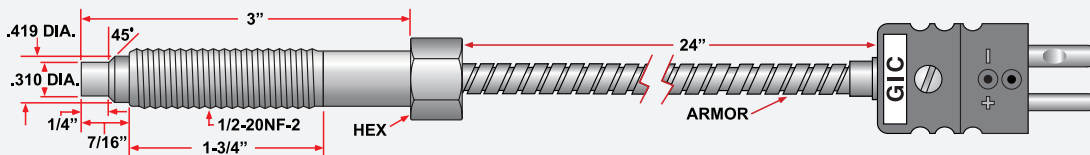
Rigid Bolt Thermocouple

SERIES NUMBER	CALIB.	BOLT MATERIAL	JUNCTION	MAX. TEMP.
G300J	J	303SS	GROUND	1200F

Flexible Armored Bolt Thermocouple

SERIES NUMBER	CALIB.	BOLT MATERIAL	LEADWIRE LENGTH	JUNCTION	MAX. TEMP.
G200J	J	303SS	24"	GROUND	900F

Designed for direct insertion into the melt stream to provide an accurate measurement.



BAYONET LOCKCAP STYLE THERMOCOUPLES

Bayonet Lockcap Thermocouple



- Heavy Duty
- Weather resistant
- Special Limits of Error

Fixed Bayonet Lockcap Thermocouple

SERIES NUMBER	PROBE DIA.	CALIB.	SHEATH MATERIAL	PROBE LENGTH	LEADWIRE LENGTH	LEADWIRE INSULATION	SHIELD	WIRE GAUGE	MAX. TEMP.
G600J	0.188"	J	304SS	3.125"	30"	Fiberglass	SS Armor	20 Strd.	900F



Adjustable Depth Bayonet Lockcap Thermocouples (Armor)

SERIES NUMBER	PROBE DIA.	CALIB.	SHEATH MATERIAL	PROBE LENGTH	SPRING LENGTH	LEADWIRE INSULATION	SHIELDING	WIRE GAUGE
G603J-ALCAR	0.188	J	304SS	0.25"	36"	Fiberglass	SS Armor	20 Strd.

- Bendable
- Armored Leads
- Special Limits of Error



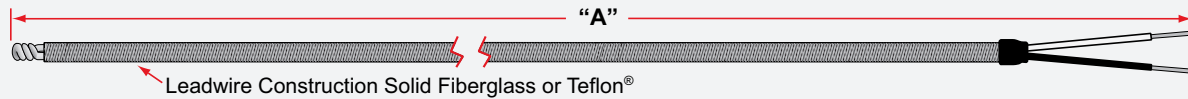
Adjustable Depth Bayonet Lockcap Thermocouples (Spring)

SERIES NUMBER	PROBE DIA.	CALIB.	SHEATH MATERIAL	PROBE LENGTH	SPRING LENGTH	LEADWIRE INSULATION	SHIELDING	WIRE GAUGE	MAX. TEMP.
G601J-ALC06	0.188	J	304SS	0.25"	6"	Fiberglass	SS Overbraid	20 Strd.	900F
G602J-ALC12	0.188	J	304SS	0.25"	12"	Fiberglass	SS Overbraid	20 Strd.	900F

- Bendable
- Stainless Overbraid
- Special Limits of Error
- Eliminates Large Inventory of Fixed Designs

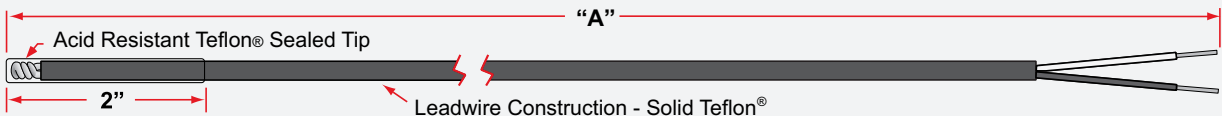
ECONOMY THERMOCOUPLES

Insulated Wire Thermocouples



SERIES NUMBER	CALIBRATION	LEADWIRE LENGTH "A"	LEADWIRE INSULATION	MAXIMUM TEMP.	WIRE GAUGE
G100J-IW	Type J	72"	Fiberglass	900 F	20 Ga.
G100K-IW	Type K	72"	Fiberglass	900 F	20 Ga.
G101J-IW	Type J	72"	Teflon®	500 F	20 Ga.
G101T-IW	Type T	72"	Teflon®	500 F	20 Ga.

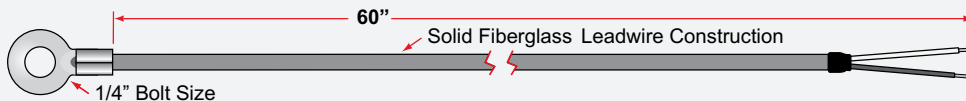
- Welded junction for best T/C contact
- Sold in packets of 5
- Teflon® or fiberglass insulation



Acid Resistant Thermocouples

SERIES NUMBER	CALIBRATION	LEADWIRE LENGTH "A"	LEADWIRE INSULATION	MAXIMUM TEMP.	WIRE GAUGE
G415J	Type J	180"	Teflon®	500 F	20 Ga.
G416T	Type T	180"	Teflon®	500 F	20 Ga.

- For Measurement in Low Concentration Acid Baths
- "Surface Mount" Design
- Completely Submersible

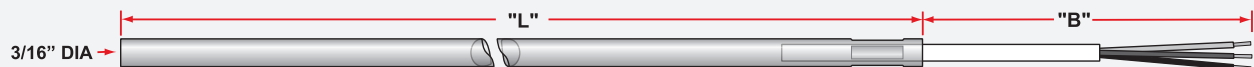


Washer Thermocouples

SERIES NUMBER	CALIBRATION	LEADWIRE LENGTH	LEADWIRE INSULATION	MAXIMUM TEMP.	WIRE GAUGE
G400J	Type J	60"	Fiberglass	900 F	20 Ga.
G400K	Type K	60"	Fiberglass	900 F	20 Ga.

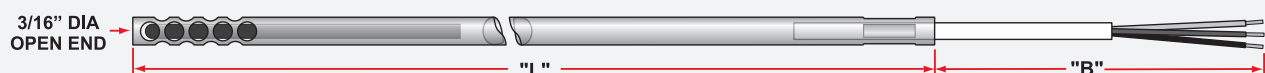
- "Surface Mount" Design
- Attach with Bolt or #10 Screw
- Stainless Overbraid
- Special Limits of Error
- High Temp Nickel Washer

RTD'S



- 0.1% Element Accuracy
- 3-Wire Teflon® Insulated Leads
- .00385 Ohm/Ohm/°C "DIN" Curve

SERIES NUMBER	PROBE LENGTH "L"	PROBE DIA.	SHEATH MATERIAL	ELEMENT MATERIAL	ELEMENT RESISTANCE	LEADWIRE LENGTH "B"	WIRE GAUGE
GB106	6"	0.188"	316SS	Platinum	100 Ohms	240"	26
GB112	12"	0.188"	316SS	Platinum	100 Ohms	240"	26
GB118	18"	0.188"	316SS	Platinum	100 Ohms	240"	26



- Vented Tip for a Fast Response in Air
- Air Duct & Environmental Chamber

Ventilated RTD Assembly

SERIES NUMBER	PROBE LENGTH "L"	PROBE DIA.	SHEATH MATERIAL	ELEMENT MATERIAL	ELEMENT RESISTANCE	LEADWIRE LENGTH "B"	WIRE GAUGE
GB112-20-VNT	12"	0.188"	304SS	Platinum	100 Ohms	240"	26

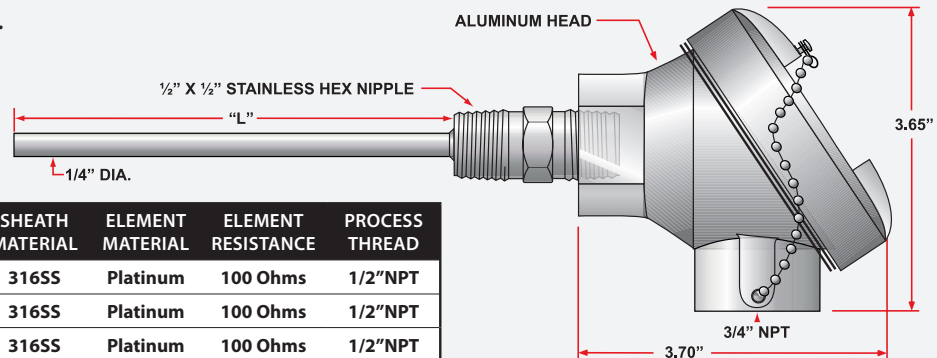
RTD ASSEMBLIES

Industrial Head RTD Assemblies

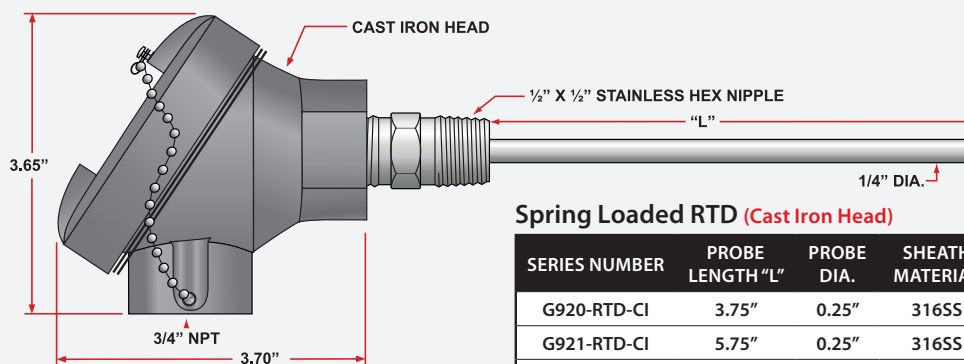
- .00385 Ohm/Ohm/°C Tempature Coeff.
- Rated for Applications to 550°F
- Welded Fitting
- 3-Wire Design

Industrial Head RTD (Aluminum)

SERIES NUMBER	PROBE LENGTH "L"	PROBE DIA.	SHEATH MATERIAL	ELEMENT MATERIAL	ELEMENT RESISTANCE	PROCESS THREAD
G906-RTD-AL	6"	0.25"	316SS	Platinum	100 Ohms	1/2"NPT
G912-RTD-AL	12"	0.25"	316SS	Platinum	100 Ohms	1/2"NPT
G918-RTD-AL	18"	0.25"	316SS	Platinum	100 Ohms	1/2"NPT



- For Use in Applications Requiring a Thermowell
- Rated for Applications to 550°F
- Spring Loaded for Best Contact
- 3-Wire Design



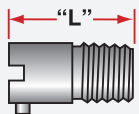
Spring Loaded RTD (Cast Iron Head)

SERIES NUMBER	PROBE LENGTH "L"	PROBE DIA.	SHEATH MATERIAL	ELEMENT MATERIAL	ELEMENT RESISTANCE	PROCESS THREAD
G920-RTD-CI	3.75"	0.25"	316SS	Platinum	100 Ohms	1/2"NPT
G921-RTD-CI	5.75"	0.25"	316SS	Platinum	100 Ohms	1/2"NPT
G922-RTD-CI	8.75"	0.25"	316SS	Platinum	100 Ohms	1/2"NPT

ACCESSORIES

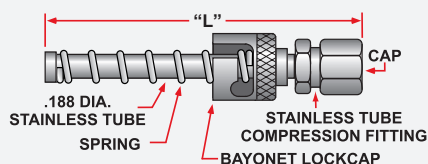
For a larger selection of Accessories go to www.GICThermodynamics.com

Bayonet Fittings



Series NUMBER	LENGTH (L)	THREAD SIZE
G95	.875"	1/8" NPT
G95L	1.375"	1/8" NPT
G95XL	3.875"	1/8" NPT

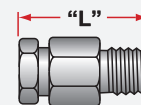
Adjustable Bayonet w/ Lockcap & Spring



Series NUMBER	LENGTH (L)	GLAND MATERIAL	TEMP RATING
G4561-SS	2.875"	STAINLESS	1000 F
G4761-L	2.625"	LAVA	1000 F
G4761-T	2.625"	Teflon®	400 F

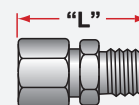
The adjustable bayonet turns a 1/8" dia. probe into a spring loaded assembly. The compression fitting design eliminates the need for any brazing, and offers a choice of stainless steel glands for high pressure one time adjustment or lava and Teflon® glands that allow repeated adjustments.

Stainless Steel Compression Fittings



Readjustable (Neoprene Gland)

Series NUMBER	LENGTH (L)	THREAD SIZE	PSI	MAX TEMP.
G47N125	1.25"	1/8" NPT	3000	200 F
G47N188	1.25"	1/8" NPT	3000	200 F

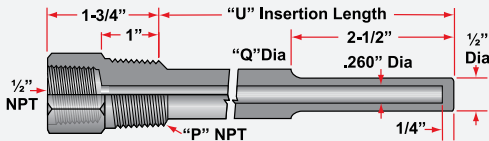


One Time Adjustment (Stainless Ferrule)

Series NUMBER	LENGTH (L)	THREAD SIZE	PSI	MAX TEMP.
G45-063	1.25"	1/8" NPT	10000	1000 F
G45-125	1.25"	1/8" NPT	10000	1000 F
G45-188	1.3125"	1/8" NPT	10000	1000 F
G45-250	1.3125"	1/8" NPT	10000	1000 F
G44-125	1.375"	1/4" NPT	10000	1000 F
G44-188	1.4375"	1/4" NPT	10000	1000 F

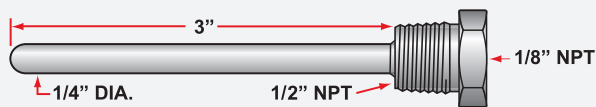
Stock Thermowells

- Standard Threaded Wells 1/2" NPT & 3/4" NPT Process Thread
- Bored for 1/4" Diameter Elements
- For use with Spring Loaded RTD's and Thermocouples (See Stock Series G920's)



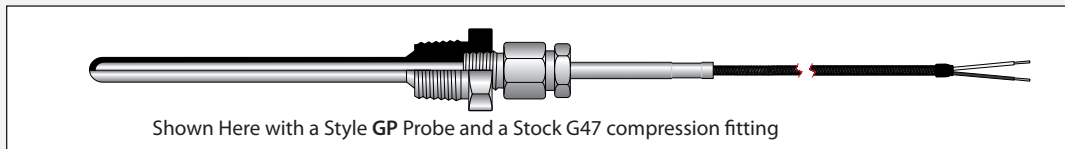
Series NUMBER	INSERTION LENGTH (U)	PROCESS THREAD	THERMOWELL MATERIAL	DIAMETER (Q)	USE WITH STOCK PROBE
WTS-260B-04N-N-4	2.5"	3/4" NPT	304SS	3/4"	G920
WTS-260B-04N-N-6	2.5"	3/4" NPT	316SS	3/4"	G920
WTS-260B-06N-N-4	4.5"	3/4" NPT	304SS	3/4"	G921
WTS-260B-06N-N-6	4.5"	3/4" NPT	316SS	3/4"	G921
WTS-260B-09N-N-4	7.5"	3/4" NPT	304SS	3/4"	G922
WTS-260B-09N-N-6	7.5"	3/4" NPT	316SS	3/4"	G922
WTS-260A-04N-N-4	2.5"	1/2" NPT	304SS	5/8"	G920
WTS-260A-04N-N-6	2.5"	1/2" NPT	316SS	5/8"	G920
WTS-260A-06N-N-4	4.5"	1/2" NPT	304SS	5/8"	G921
WTS-260A-06N-N-6	4.5"	1/2" NPT	316SS	5/8"	G921
WTS-260A-09N-N-4	7.5"	1/2" NPT	304SS	5/8"	G922
WTS-260A-09N-N-6	7.5"	1/2" NPT	316SS	5/8"	G922

Miniature Protection Tube



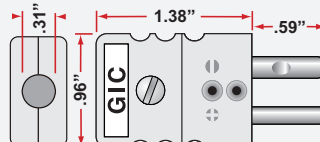
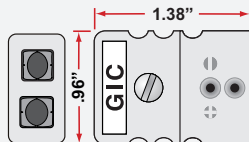
Series NUMBER	INSERTION LENGTH (U)	PROCESS THREAD	SHEATH MATERIAL
MPT-3	3"	1/2" NPT	304SS
MPT-6	6"	1/2" NPT	304SS

- For use with 1/8" and 3/16" Diameter Probes



Stock Standard Connectors

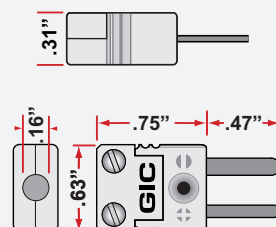
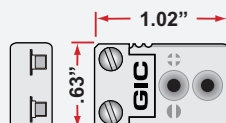
- Glass filled thermoplastic for high impact strength
- Rated for 400 F continuous temperature
- Color coded for easy identification
- Accept wire up to 14 gauge



CATALOG #	CALIB.
JPSH-NN	J
KPSH-NN	K
TPSH-NN	T
EPSH-NN	E
JJSH-NN	J
KJSH-NN	K
TJSH-NN	T
EJSH-NN	E

Stock Miniature Connectors

- Provides quick connection of fine thermocouple wires
- Rated for 400 F continuous temperature
- Color coded for easy identification
- Accept wire from 36 to 20 gauge



CATALOG #	CALIB.
JMSS-NN	J
KMSS-NN	K
TMSS-NN	T
EMSS-NN	E
JFSS-NN	J
KFSS-NN	K
TFSS-NN	T
EFSS-NN	E

GIC carries a variety of thermocouple wire in stock in pre-spoiled lengths of 50, 100, 250, 500 and 1000 foot. Special construction wire can be provided, in minimum 2000 foot lengths, upon request.

Stock Spooled Thermocouple Wire

Type J

CALIB.	SERIES	GAUGE	COND. SIZE	TYPE OF WIRE	LEADWIRE INSULATION	SPOOL LENGTH	MAX REC. TEMP (F)
J	GJG50	20	0.032	Solid	FIBERGLASS	50 FT	900 F
J	GJG100	20	0.032	Solid	FIBERGLASS	100 FT	900 F
J	GJG250	20	0.032	Solid	FIBERGLASS	250 FT	900 F
J	GJG500	20	0.032	Solid	FIBERGLASS	500 FT	900 F
J	GJG1000	20	0.032	Solid	FIBERGLASS	1000 FT	900 F
J	GJT50	20	0.032	Solid	TEFLON®	50 FT	500 F
J	GJT100	20	0.032	Solid	TEFLON®	100 FT	500 F
J	GJT250	20	0.032	Solid	TEFLON®	250 FT	500 F
J	GJT500	20	0.032	Solid	TEFLON®	500 FT	500 F
J	GJT1000	20	0.032	Solid	TEFLON®	1000 FT	500 F
J	GFJT100	20	0.032	Stranded	TEFLON®	100 FT	500 F
J	GFJT250	20	0.032	Stranded	TEFLON®	250 FT	500 F
J	GFJT500	20	0.032	Stranded	TEFLON®	500 FT	500 F
J	GFJT1000	20	0.032	Stranded	TEFLON®	1000 FT	500 F
J	GJ24T100	24	0.020	Solid	TEFLON®	100 FT	500 F
J	GJ24T250	24	0.020	Solid	TEFLON®	250 FT	500 F
J	GJ24T500	24	0.020	Solid	TEFLON®	500 FT	500 F
J	GJ24T1000	24	0.020	Solid	TEFLON®	1000 FT	500 F

Type K

CALIB.	SERIES	GAUGE	COND. SIZE	TYPE OF WIRE	LEADWIRE INSULATION	SPOOL LENGTH	MAX REC. TEMP (F)
K	GKG50	20	0.032	Solid	FIBERGLASS	50 FT	900 F
K	GKG100	20	0.032	Solid	FIBERGLASS	100 FT	900 F
K	GKG250	20	0.032	Solid	FIBERGLASS	250 FT	900 F
K	GKG500	20	0.032	Solid	FIBERGLASS	500 FT	900 F
K	GKG1000	20	0.032	Solid	FIBERGLASS	1000 FT	900 F
K	GKT100	20	0.032	Solid	TEFLON®	50 FT	500 F
K	GKT500	20	0.032	Solid	TEFLON®	500 FT	500 F
K	GKT1000	20	0.032	Solid	TEFLON®	1000 FT	500 F
K	GFKG100	20	0.032	Stranded	FIBERGLASS	100 FT	900 F
K	GFKG250	20	0.032	Stranded	FIBERGLASS	250 FT	900 F
K	GFKG500	20	0.032	Stranded	FIBERGLASS	500 FT	900 F
K	GFKG1000	20	0.032	Stranded	FIBERGLASS	1000 FT	900 F
K	GK24G100	24	0.020	Solid	FIBERGLASS	100 FT	900 F
K	GK24G250	24	0.020	Solid	FIBERGLASS	250 FT	900 F
K	GK24G500	24	0.020	Solid	FIBERGLASS	500 FT	900 F
K	GK24G1000	24	0.020	Solid	FIBERGLASS	1000 FT	900 F

Type T

CALIB.	SERIES	GAUGE	COND. SIZE	TYPE OF WIRE	LEADWIRE INSULATION	SPOOL LENGTH	MAX REC. TEMP (F)
T	GTT50	20	0.032	Solid	TEFLON®	50 FT	500 F
T	GTT100	20	0.032	Solid	TEFLON®	100 FT	500 F
T	GTT250	20	0.032	Solid	TEFLON®	250 FT	500 F
T	GTT500	20	0.032	Solid	TEFLON®	500 FT	500 F
T	GTT1000	20	0.032	Solid	TEFLON®	1000 FT	500 F