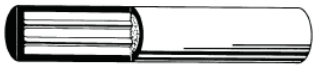
Magnesium Oxide Thermocouples

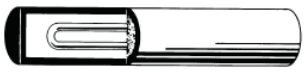
CALIBRATION	SHEATH MATERIAL	SHEATH DIAMETER	JUNCTION CONSTRUCTION	X-DIMENSION (IN.)	TRANSITION STYLE
J - Iron-Constantan **K** - Chromel-Alumel **E** - Chromel-Constantan **T** - Copper-Constantan **N** - Nicrosil-Nisil **S** - Plt - Plt 10% Rh **R** - Plt - Plt 13% Rh **B** - Plt 6% Rh - Plt 30% Rh **C** - W 5% Re - W 26% Re **D** - W 3% Re - W 25% Re **P** - Plt 40% Rh- Plt 20% Rh **W** - W-W/26% re **M** - NI/NI Moly	**1** - 304SS **2** - Inconel 600 **3** - 316SS **4** - 310SS **5** - 446SS **6** - Tantalum **7** - Molybdenum **8** - Inconel 601 **9** - Pyrosil **C** - 276 **X** - Hastalloy X **P** - Plt 10% Rh **T** - Plt 20% Rh **G** - 347SS **Q** - Pure Platinum **E** - Super O-C	**1** - .032 **2** - .040 **3** - .063 (1/16") **4** - .125 (1/8") **5** - .188 (3/16") **6** - .250 (1/4") **7** - .315 (5/16") **8** - .375 (3/8") **9** - .500 (1/2") **M** - .090 **F** - .020 **E** - .010 **L** - .750 (3/4") **C** - .013 **H** - .025	**G** - Grounded Junction **U** - Ungrounded Junction **E** - Exposed Junction **H** - Spcl Half Exposed Junction **S** - Squared Tip-Grounded Junction **A** - 45 Deg Angle Tip-Grounded Junction	Specify from 000" to 999"	**0** - No Trans Flex Lead Wire **1** - Fiberglass Covered Std Temp Trans (400 deg F) **2** - Fiberglass w/Flex ArmCov Std Temp Trans (400 deg F) **3** - Fiberglass w/SS Ovrbrd Std Temp Trans (400 deg F) **4** - Polyvinyl Plastic Std Temp Trans (400 deg F) **5** - Teflon Insulation Std Temp Trans (400 deg F) **6** - Teflon w/SS Ovrbrd Std Temp Trans (400 deg F) **7** - Hitemp Glass w/SS Ovrbrd Std Temp Trans (400 deg F) **8** - Teflon Insul/No Trans Body **9** - Teflon w/Flex Armor Std Temp Trans (400 deg F) **M** - Hitemp Glass insulation Std Temp Trans (400 deg F) **C** - PVC Coil Cord Std Temp Trans (400 deg F) **F** - PVC Insulation w/Flex Armor Std Temp Trans (400degF) **K** - Kapton Insulation Std Temp Trans (400 deg F) **A** - Fibre-Glass Insulation Hi Temp Trans (1000 F) **B** - Fibre-Glass w/Flex Armor Hi Temp Trans (1000F) **D** - Fibre-Glass w/SSOB Hi Temp Trans (1000 F) **E** - Hi Temp Glass w/SSOB Hi Temp Trans (1000F) **G** - HI Temp Glass w/Flex Armor Hi Temp Trans (1000F) **H** - Butt-welded Leads-Varflex-No Trans Ftg. **L** - Hi Temp Glass-Hi Temp Trans (1000 F)

Y-DIMENSION (IN.)	PROCESS MOUNTING DEVICE			EFFECTIVE LENGTH (IN.)	SPECIAL
Specify from 000" to 999"	**0** - None **1** - SS 1/2-Hex-1/2" NPT Bushing **2** - SS 3/4-Hex-3/4" NPT Bushing **3** - CS 1/2-Hex-1/2" NPT Bushing **4** - CS 3/4-Hex-3/4"NPT Bushing **5** - Hex Proc Mtg Ftg-1/8" NPT **6** - Hex Proc Mtg Ftg-1/4" NPT **7** - Hex Proc Mtg Ftg-3/8" NPT **8** - Hex Proc Mtg Ftg-1/2" NPT **9** - Hex Proc Mtg Ftg-3/4" NPT **A** - BR Adj Comp Ftg-1/8" NPT **B** - BR Adj Comp Ftg-1/4" NPT **C** - BR Adj Comp Ftg-3/8" NPT **D** - BR Adj Comp Ftg-1/2" NPT	**E** - SS Adj Comp Ftg-1/8" NPT **F** - SS Adj Comp Ftg-1/4" NPT **G** - SS Adj Comp Ftg-3/8" NPT **H** - SS Adj Comp Ftg-1/2" NPT **I** - CS Adj Comp Ftg-1/8" NPT **J** - CS Adj Comp Ftg-1/4" NPT **K** - CS Adj Comp Ftg-3/8" NPT **L** - CS Adj Comp Ftg-1/2" NPT **M** - BR Re-Adj Comp Ftg-1/8" NPT **N** - BR Re-Adj Comp Ftg-1/4" NPT **P** - BR Re-Adj Comp Ftg-3/8" NPT **Q** - BR Re-Adj Comp Ftg-1/2" NPT **R** - SS Re-Adj Comp Ftg-1/8" NPT	**S** - SS Re-Adj Comp Ftg-1/4" NPT **T** - SS Re-Adj Comp Ftg-3/8" NPT **U** - SS Re-Adj Comp Ftg-1/2" NPT **V** - CS Re-Adj Comp Ftg-1/8" NPT **W** - CS Re-Adj Comp Ftg-1/4" NPT **X** - Re-Adj Comp Ftg-3/8" NPT **Y** - CS Re-Adj Comp Ftg-1/2" NPT **Z** - 1/2-Hex-1/2 S.L. Bushing **BR** - Brass **CS** - Carbon Steel **SS** - Stainless Steel Comp - Compression Fitting Mtg - Fixed Mounting Fitting	Specify from 000" to 999"	**0** - None **C** - Lot Certification **D** - Dual Element **E** - Individual Cert **F** - Evac & Backfill **L** - Low Drift / Lot Certified **W** - Weld Pad **X** - Special (Consult Factory) **2** - Dual Element Lot Certified

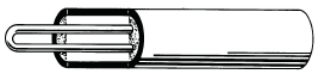
(G) Grounded Junction
Welded to form a completely sealed integral junction, the G junction component is recommended in presence of liquids, moisture, gas, or high pressure.



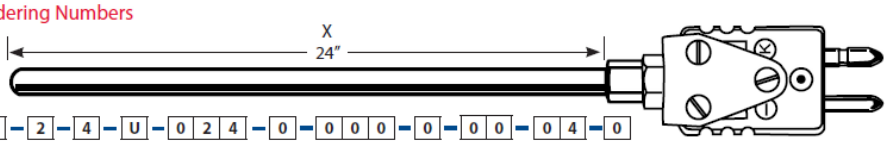
(U) Ungrounded Junction
Fully insulated from the welded sheath end, this junction is excellent for applications where stray EMF's would affect the reading and for rapid or frequent temperature cycling.



E) Exposed Junction
Exposed Junction thermocouple wires are butt welded with insulation sealed against liquid or gas penetration. This component provides the fastest response time, but is unprotected against corrosive or mechanical damage.

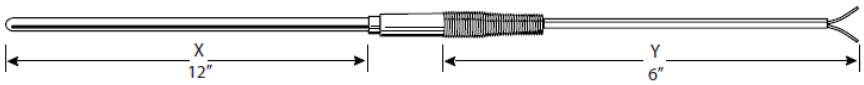


Example Ordering Numbers



MGO – K – 2 – 4 – U – 0 2 4 – 0 – 0 0 0 – 0 – 0 0 – 0 4 – 0

This is a Type K Inconel sheath, 1/8" diameter, unground junction, 24" long, with tube adapter and plug.



MGO – K – 3 – 5 – U – 0 1 2 – 1 – 0 0 6 – 0 – 0 0 – 1 S – 0

This is a Type K 316 stainless steel sheath, 3/16" diameter, ungrounded junction, 12" long/transition fitting to 6" glass/glass extension wire-1" strip.

info@ibt.co.il | 03 688 2034 :פקס, 03 687 9901 :טל', 49004 פ"ת, 10451 ת.ד.