



SOUTHEAST THERMAL SYSTEMS

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MgO RTD Spec Build Sheet

Construction Style *(See Below for Construction Types)*

RA	F	M	T	X	2
B	G	Q	V	Y	3
D	K	R	4	Z	8
E	L	S	W	1	

Element Type Resistance @ 0°C

Platinum 100Ω Single		Platinum 500Ω Single	
2 wire 3 4		2 wire 3 4	
Platinum 100Ω Dual		Platinum 1000Ω Single	
2 wire 3 4		2 wire 3 4	

Accuracy & Temperature Coefficient Accuracy @ 0°C

Class B (.12%)		1/3 RD (.04%)	
Din .00385	Jis .00392	Din .00385	Jis .00392
Class A (.06%)		1/10th (.01%)	
Din .00385	Jis .00392	Din .00385	

Temperature Range

-50 to +200°C	-50 to +450°C	-200 to +650°C
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Sheath Diameter

1/8 (.125)	3/16 (.188)	1/4 (.250)	3/8 (.375)
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Sheath Material (Inch) 316SS

Sheath Length inches

Termination Length inches

Leadwire Type *(All stranded- specify below)*

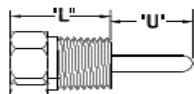
Fiberglass Cable (450°C)	FG w/SS Overbraid
FG w/SS Flex Armor Cable	w/ SS Flex Armor Cable
Teflon Cable (200°C)	Shielded Teflon
w/SS Overbraid	PVC (105°C)
Teflon Singles	Fiberglass Singles

Leadwire Termination

Standard Male Plug (200°C)	Standard Plug w/Mating Jack
2 1/2" Split	Standard Female Jack
2 1/2" Split w/#8 spade lugs	Miniature Male Plug
2 1/2 Split" w/#8 spade lugs & BX Connector	Miniature Plug Mating Jack
Miniature Female Jack	2 1/2 Split" w1/4" Push-On Connectors

Sheath Mounting Fittings *(Choose Fitting Type to reveal field options)*

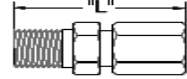
Fixed Brazed or Welded Bushings
NPT
316 SS
Brass



Sheath Mounting Fittings - continued

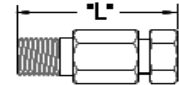
Compression Fittings

Re-Adjustable -Stainless Steel
NPT



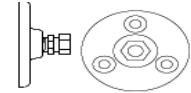
One-time Adjustable

NPT
Stainless Steel
Brass



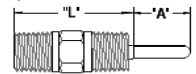
Mounting Flanges *(Not available with teflon coated sheath)*

w/Adjustable Brass Compression
w/Adjustable SS Compression



Double Ended Hex Nipples NPT

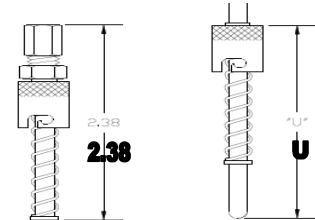
Steel, brazed on 316 SS
SS, spring loaded Steel, spring loaded
SS, self contained spring loaded (1/4")



Bayonet Fitting

Adjustable (1/8)
Re-Adjustable (1/8)
Fixed

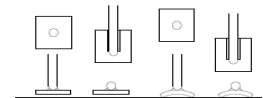
Sheath Diameter:
1/8 inch
3/16 inch
1/4 inch



"U" Length inches

Weld Pads *(316 SST, 1x1 inch)*

Perpendicular
Horizontal
Perpendicular Radius*



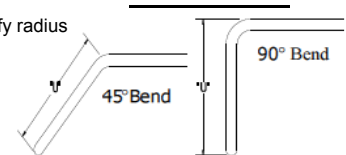
Horizontal Radius* **Specify radius*

Sheath Bends Needed

90°

45°

U Length Inches



Special Options

BX Connector on leads
PVC Coated Flex Armor
Teflon Coated Flex Armor
Teflon Encapsulated Sheath
Grounding Screw
Other Specify

MgO RTD Construction Types

