

Customer Name: \_\_\_\_\_  
 Email: \_\_\_\_\_ Date: \_\_\_\_\_  
 Contact Number: \_\_\_\_\_ Quantity: \_\_\_\_\_  
 Job Number: \_\_\_\_\_ Part Number: \_\_\_\_\_

## 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 |
|---------------|---------------|----------------|

**Sheath Diameter**

|            |             |            |            |
|------------|-------------|------------|------------|
| 1/8 (.125) | 3/16 (.188) | 1/4 (.250) | 3/8 (.375) |
|------------|-------------|------------|------------|

**Sheath Material (Inch) 316SS**
**Sheath Length** inches

**Termination** Length inches

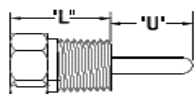
**Leadwire Type** *(All stranded- specify below)*

|                          |                        |
|--------------------------|------------------------|
| 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     |

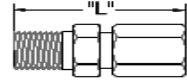
**Leadwire Termination**

|   |                                       |
|---|---------------------------------------|
| 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 |

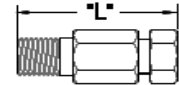
**Sheath Mounting Fittings** *(Choose Fitting Type to reveal field options)*

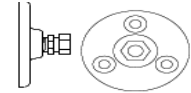
 Fixed Brazed or Welded Bushings  
 NPT  
 316 SS  
 Brass

**Sheath Mounting Fittings - continued**

## Compression Fittings

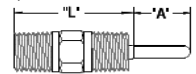
 Re-Adjustable -Stainless Steel  
 NPT


One-time Adjustable

 NPT  
 Stainless Steel  
 Brass

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

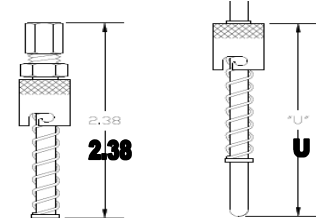
 w/Adjustable Brass Compression  
 w/Adjustable SS Compression


## Double Ended Hex Nipples NPT

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


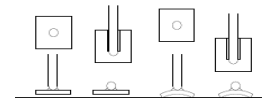
## Bayonet Fitting

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

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


"U" Length inches

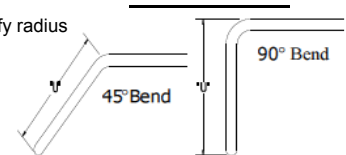
**Weld Pads** *(316 SST, 1x1 inch)*

 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

# TEMPERATURE SENSORS



## MgO RTD Construction Types

