



### Sensor Mounting Fixed Fittings

Sheath Diameter (in)	Male NPT (in)	Overall Length (in)	Hex Across Flats (in)	Part Number	
				Brass	Stainless Steel
1/16	1/4	1 <sup>13</sup> / <sub>32</sub>	9/16	FTG-152-101	FTG-153-101
	1/2	1 <sup>27</sup> / <sub>32</sub>	7/8	FTG-152-102	FTG-153-102
1/8	1/4	1 <sup>13</sup> / <sub>32</sub>	9/16	FTG-152-103	FTG-153-103
	1/2	1 <sup>27</sup> / <sub>32</sub>	7/8	FTG-152-104	FTG-153-104
3/16	1/4	1 <sup>13</sup> / <sub>32</sub>	9/16	FTG-152-105	FTG-153-105
	1/2	1 <sup>27</sup> / <sub>32</sub>	7/8	FTG-152-106	FTG-153-106
1/4	1/4	1 <sup>13</sup> / <sub>32</sub>	9/16	FTG-152-107	FTG-153-107
	1/2	1 <sup>27</sup> / <sub>32</sub>	7/8	FTG-152-108	FTG-153-108
5/16	1/4	1 <sup>13</sup> / <sub>32</sub>	9/16	FTG-152-109	FTG-153-109
	1/2	1 <sup>27</sup> / <sub>32</sub>	7/8	FTG-152-110	FTG-153-110
3/8	1/4	1 <sup>13</sup> / <sub>32</sub>	9/16	FTG-152-111	FTG-153-111
	1/2	1 <sup>27</sup> / <sub>32</sub>	7/8	FTG-152-112	FTG-153-112

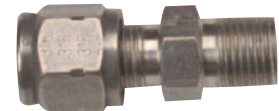
### Hex Nipple



MNPT (in)	Sheath O.D. (in)	Part Number			
		Non-Adjustable Brass	Non-Adjustable Stainless Steel	Adjustable Brass	Adjustable Stainless Steel
1/16	1/16	FTG-154-101	FTG-155-101	FTG-156-101	FTG-157-101
	1/8	FTG-154-102	FTG-155-102	FTG-156-102	FTG-157-102
1/8	1/16	FTG-154-104	FTG-155-104	FTG-156-104	FTG-157-104
	1/8	FTG-154-105	FTG-155-105	FTG-156-105	FTG-157-105
	3/16	FTG-154-106	FTG-155-106	FTG-156-106	FTG-157-106
	1/4	FTG-154-107	FTG-155-107	FTG-156-107	FTG-157-107
1/4	1/16	FTG-154-110	FTG-155-110	FTG-156-110	FTG-157-110
	1/8	FTG-154-111	FTG-155-111	FTG-156-111	FTG-157-111
	3/16	FTG-154-112	FTG-155-112	FTG-156-112	FTG-157-112
	1/4	FTG-154-113	FTG-155-113	FTG-156-113	FTG-157-113
	3/16	FTG-154-114	FTG-155-114	FTG-156-114	FTG-157-114
	3/8	FTG-154-115	FTG-155-115	FTG-156-115	FTG-157-115
1/2	1/8	FTG-154-116	FTG-155-116	FTG-156-116	FTG-157-116
	1/4	FTG-154-117	FTG-155-117	FTG-156-117	FTG-157-117
	3/8	FTG-154-118	FTG-155-118	FTG-156-118	FTG-157-118

### Compression Fittings

There are non-adjustable and adjustable compression fittings. Non-adjustable compression fittings have a metal ferrule which is compressed onto the sheath and deformed permanently in the application; the fitting cannot be relocated along the sheath after tightening. Adjustable compression fittings have a Teflon® ferrule and the fitting can be relocated several times if immersion length is changed.



Sheath Diameter (in)	Part Number
1/8	FTG-158-101
3/16	FTG-158-102
1/4	FTG-158-103

Stainless steel 1/2" NPT × 1/2" NPT

### Spring-Loaded Hex Nipple





### Protection Tube Mounting Parts

#### For Ceramic Tubes



FTG-148-101  
FTG-148-102

Part Number	Description
FTG-148-101	3/4" NPT x 1/2" NPT Brass reducing hex nipple for PPT-102-□ or APT-102-□ tube
FTG-148-102	3/4" NPT x 1/2" NPT Steel reducing hex nipple for PPT-102-□ or APT-102-□ tube



FLG-122-101  
FLG-122-102  
FLG-122-103



FTG-149-101  
FTG-149-102  
FTG-149-103



FTG-150-101  
FTG-150-102  
FTG-150-103

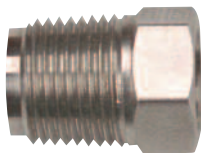
#### For Metal Tubes

Part Number	Description
FLG-122-101	15/16" I.D. x 3 1/2" Cast Iron Flange for 1/2" IPS
FLG-122-102	1 1/4" I.D. x 3 9/16" Cast Iron Flange for 3/4" IPS
FLG-122-103	1 7/16" I.D. x 3 11/16" Cast Iron Flange for 1" IPS
FTG-149-101	1/2" NPT x 1/2" NPT Malleable 90° Elbow
FTG-149-102	3/4" NPT x 3/4" NPT Malleable 90° Elbow
FTG-149-103	1" NPT x 1" NPT Malleable 90° Elbow
FTG-150-101	1/2" NPT x 1/2" NPT Universal Elbow
FTG-150-102	3/4" NPT x 3/4" NPT Universal Elbow
FTG-150-103	1" NPT x 1" NPT Universal Elbow

### Sensor Mounting Fixed Fittings

**Mounting fittings** are sometimes necessary for the installation of thermocouple and RTD probes. The two basic types of fixed fittings are the Hex Bushing and the Hex Nipple, most commonly made of either Brass or Stainless Steel.

**Fixed fittings** are brazed to the sheath of the probe; therefore the immersion length "U" must be specified in inches or millimeters. The immersion length is from the probe tip to the beginning of the thread on the fitting.



Hex Bushing

Sheath Diameter (in)	Male NPT (in)	Overall Length (in)	Hex Across Flats (in)	Part Number	
				Brass	Stainless Steel
1/16	1/8	3/4	7/16	FTG-159-101	FTG-162-101
	1/4	1	9/16	FTG-159-102	FTG-162-102
	1/2	1 1/4	7/8	FTG-159-103	FTG-162-103
1/8	1/8	3/4	7/16	FTG-159-104	FTG-162-104
	1/4	1	9/16	FTG-159-105	FTG-162-105
	1/2	1 1/4	7/8	FTG-159-106	FTG-162-106
3/16	1/8	3/4	7/16	FTG-159-107	FTG-162-107
	1/4	1	9/16	FTG-159-108	FTG-162-108
	1/2	1 1/4	7/8	FTG-159-109	FTG-162-109
1/4	1/8	3/4	7/16	FTG-159-110	FTG-162-110
	1/4	1	9/16	FTG-159-111	FTG-162-111
	1/2	1 1/4	7/8	FTG-159-112	FTG-162-112
5/16	1/4	1	9/16	FTG-159-113	FTG-162-113
	1/2	1 1/4	7/8	FTG-159-114	FTG-162-114
3/8	1/4	1	9/16	FTG-159-115	FTG-162-115
	1/2	1 1/4	7/8	FTG-159-116	FTG-162-116