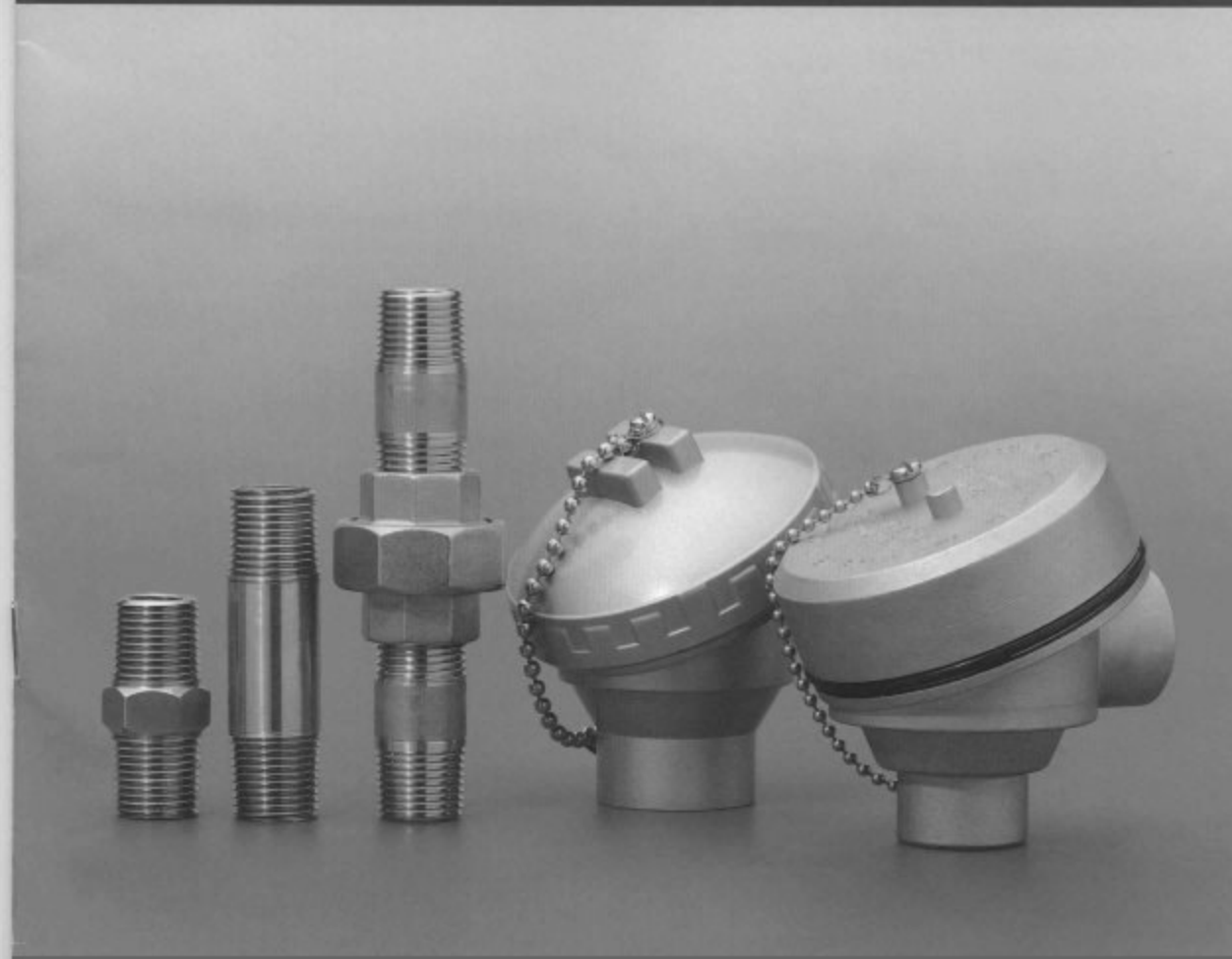
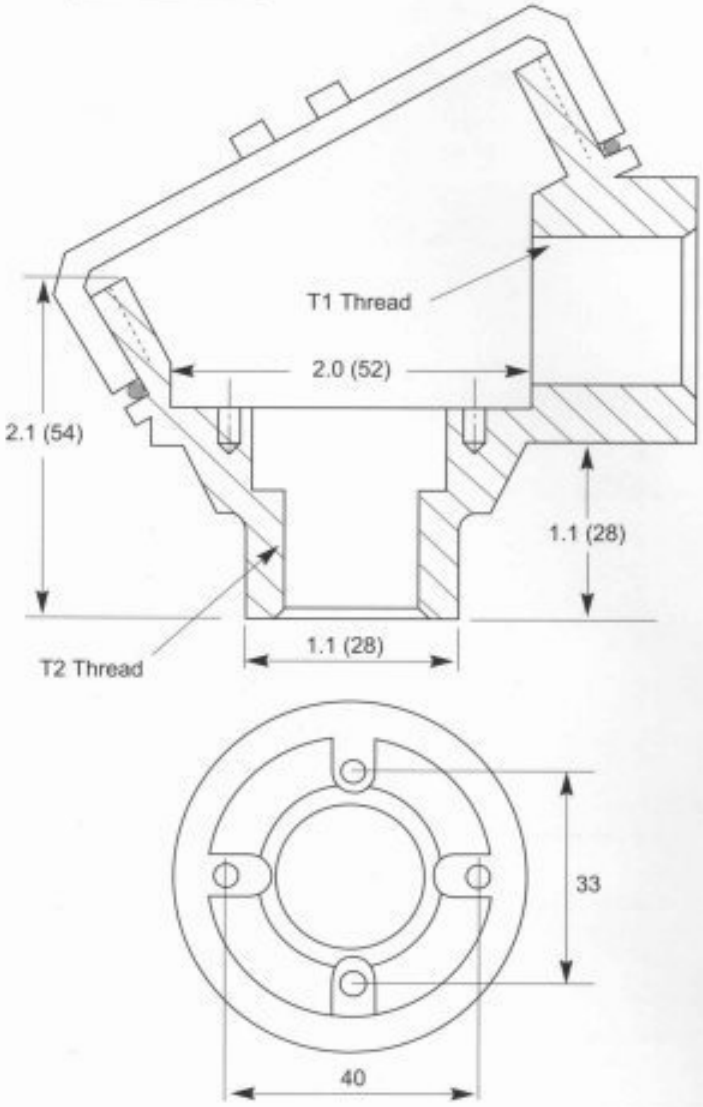
THERMOCOUPLE HEADS AND TEMPERATURE ACCESSORIES



Tri-Flo Tech, Inc.

EXPLOSION PROOF CERTIFIED THERMOCOUPLE HEADS

Model 1080



This housing is available in both Aluminium and SS 316, and comes with complete certification as shown below. Designed specially for Ex proof applications, the unit can house a terminal 50 mm in diameter, or a medium sized temperature transmitter.

A low cost non explosion proof version is also available in Aluminium. A wide selection of Cable and Instrument Connections make this unit a very versatile device.

ORDERING INFORMATION

MODEL	
1080 AE	Aluminium Housing (Ex Proof Version)
1080 SE	316 Stainless Steel Housing (Ex Proof Version)
1080 AN	316 Aluminium Housing (Non Ex Proof Version

CODE	Connection	
01	T1 = 3/4" NPT	T2 = 1/2" NPT
02	T1 = 1/2" NPT	T2 = 1/2" NPT
03	T1 = 3/4" PF	T2 = 1/2" PF
04	T1 = 3/4" BSP	T2 = 1/2" BSP
05	T1 = M20 X 1.5	T2 = 1/2" BSP
XX	SPECIFY	

CODE	Certification*
FM	See Below
KEMA	See Below
CS	See Below

Ordering Example

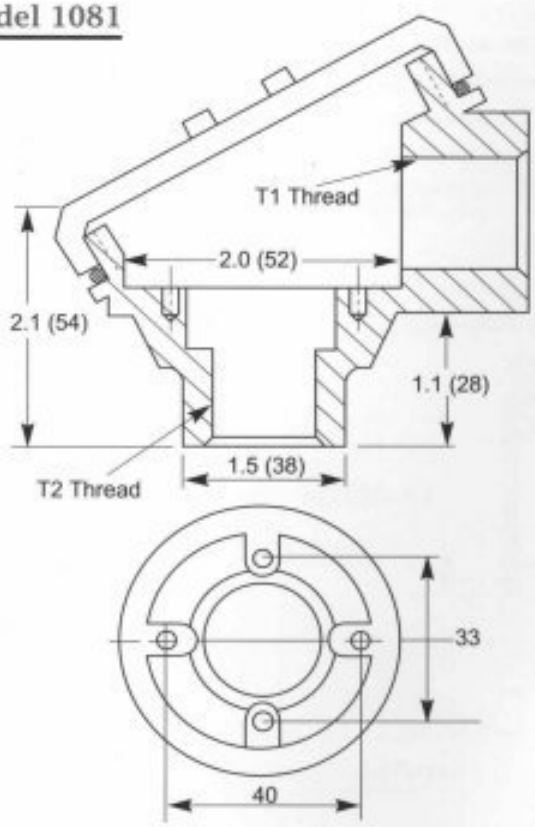
	Model	Connection	Certification
Typical Model No	1080 SN	01	FM

CODE	Description
FM Factory Mutual	FM Explosion Proof Approval Explosionproof for Class I, Division I, Groups B, C and D Dust - ignitionproof for Class II / III, Division 1, Groups E, F and G Hazardous (Classified) Locations, indoor and outdoors (NEMA 4X) Temperature Class : T6
KEMA KEMA (CENELEC)	CENELEC (KEMA) Flame Proof Approval Eexd II C T4. T5, T6, Amb. Temp : -40 to 80 °C (-40 to 176 °F)
CSA Canadian Standards Association	CSA Explosion Proof Approval Explosionproof for Class I, Division I, Groups B, C and D Dust - Ignitionproof for Class II / III, Division 1, Groups E, F and G Amb. Temp : -40 to 80 °C (-40 to 176 °C)

* Certain Certification pending at time of publication.

THERMOCOUPLE HEADS

Model 1081



This housing is available in only SS 316, and is designed as an economical replacement for Aluminium heads in corrosive applications. It can house medium sized Temperature Transmitters or Terminal blocks, and is rated IP67 or NAME 4.

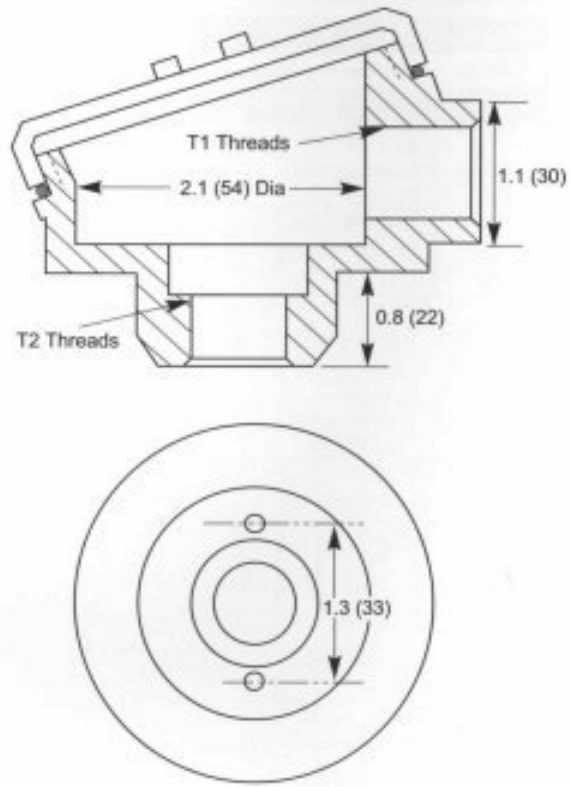
ORDERING INFORMATION

MODEL		
1081 SN	316 Stainless Steel Housing	
CODE	**Connection**	
01	T1 = 3/4" NPT	T2 = 1/2" NPT
02	T1 = 1/2" NPT	T2 = 1/2" NPT
03	T1 = 3/4" PF	T2 = 1/2" PF
04	T1 = 3/4" BSP	T2 = 1/2" BSP
05	T1 = M20 X 1.5	T2 = 1/2" BSP
XX	SPECIFY	

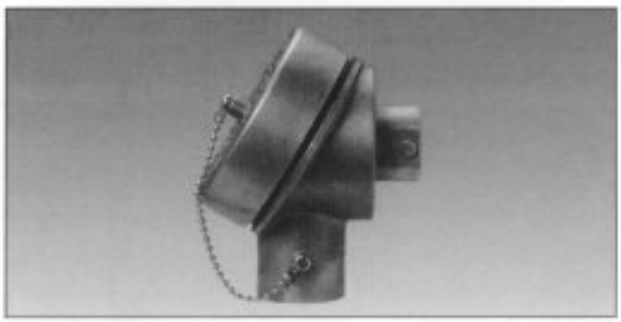
Ordering Example

	Model	Connection
Typical Model No	1081 SN	01

Model 1086



This housing is available only in SS 316, and is economically priced to meet the DIN B dimensions and requirements. It can house a medium sized temperature transmitter or terminal block, 50 mm in diameter.



ORDERING INFORMATION

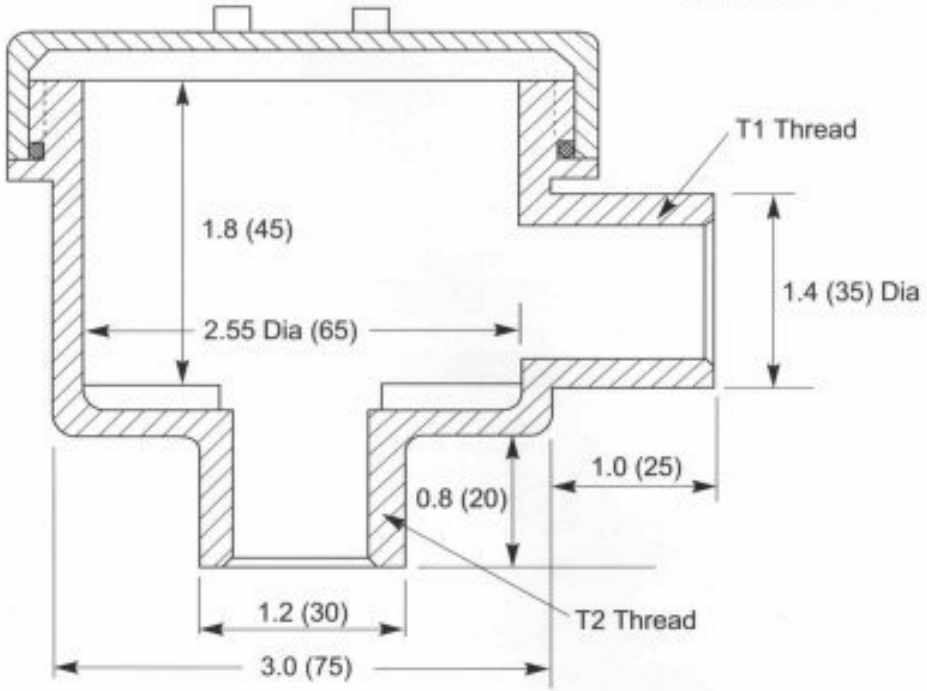
MODEL		
1086 SD	316 Stainless Steel Housing	
CODE	**Connection**	
01	T1 = 1/2" NPT	T2 = 1/2" NPT
02	T1 = 1/2" BSP	T2 = 1/2" BSP
XX	SPECIFY	

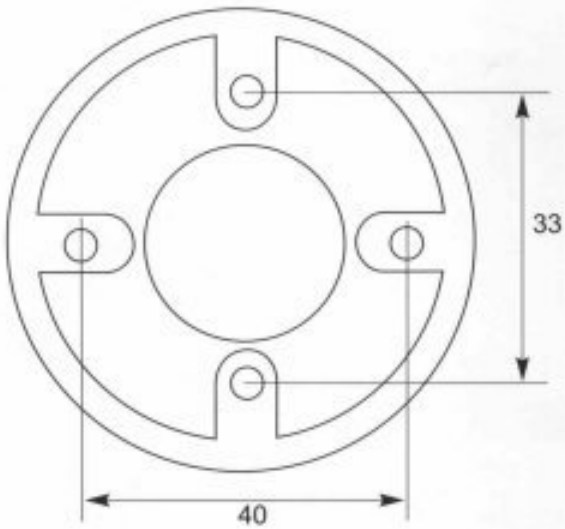
Ordering Example

	Model	Connection
Typical Model No	1086 SD	01

Model 1088

This housing is available only in SS 316, and is designed specially for large temperature transmitters. The housing will accommodate a transmitter 2.5" (65mm) in diameter and approximately 1.8"(45mm) in height. Meets the requirements of IP65 and NEMA 4.





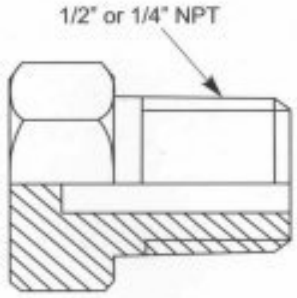
ORDERING INFORMATION

MODEL		
1088 SN	316 Housing (Non Ex Proof Version)	
CODE	**Connection**	
01	T1 = 3/4" NPT	T2 = 1/2" NPT
02	T1 = 1/2" NPT	T2 = 1/2" NPT
03	T1 = 3/4" PF	T2 = 1/2" PF
04	T1 = 3/4" BSP	T2 = 1/2" BSP
05	T1 = M20 X 1.5	T2 = 1/2" BSP
XX	SPECIFY	

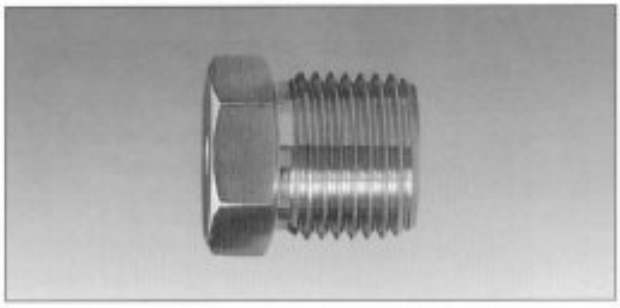
TEMPERATURE SENSOR ACCESSORIES

Model 5530/31

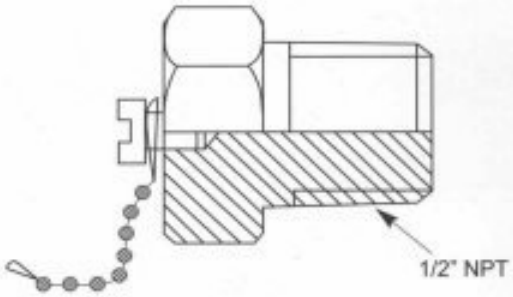
Model	Size
5530	1/4" NPT
5531	1/2" NPT



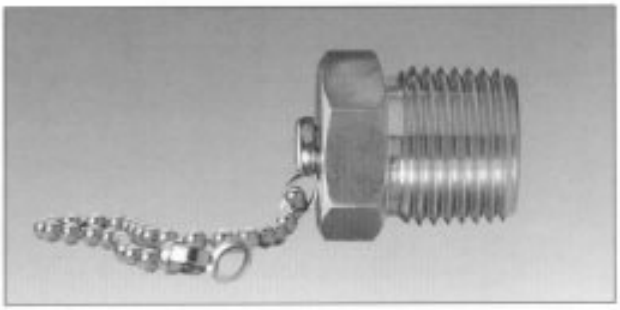
Hexagonal Plug in SS 316. Comes in two sizes, 1/4" and 1/2" NPT



Model 5560

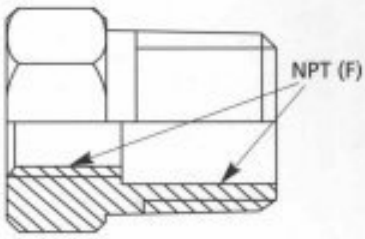


SS 316 Hexagonal Plug with 6" Long SS Ball Chain, suitable for plugging Thermowells and other devices

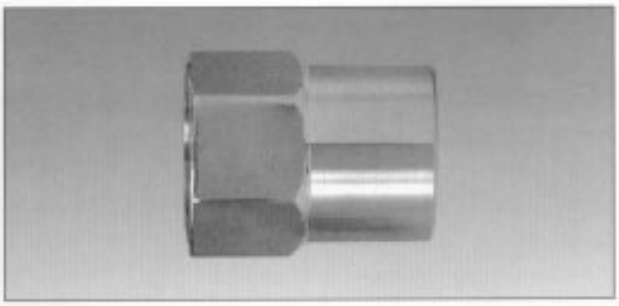


Model 5570

Model	Size
5570	1/8" x 1/4"
5572	1/8" x 3/8"
5575	1/4" x 3/8"
5577	1/4" x 1/2"

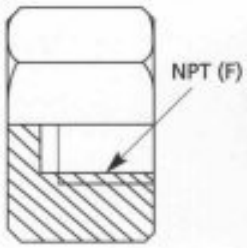


SS 316 Hexagonal Nipple Reducer

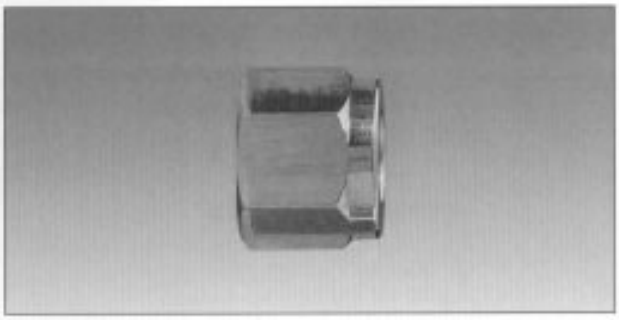


Model 5550/51

Model	Size
5550	1/4" NPT
5551	1/2" NPT

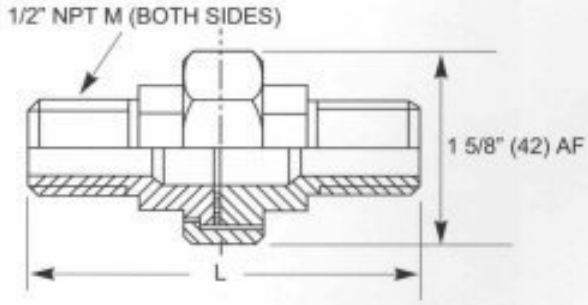


Hexagonal Cap in SS 316

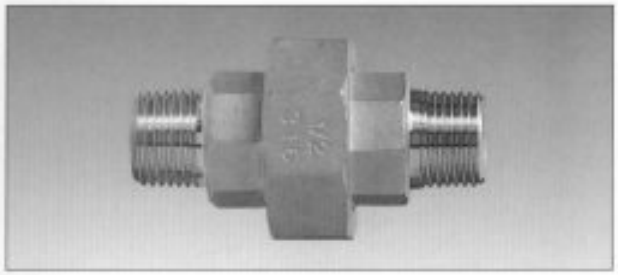


Male Union

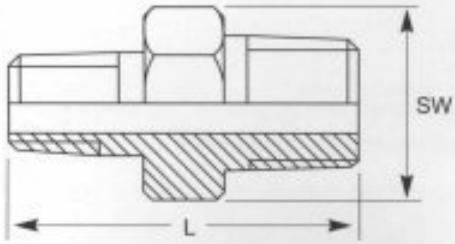
Model 5330 L = 3" (75 mm)
Model 5340 L = 4" (101 mm)
Model 5360 L = 6" (152 mm)



This Union comes with male threads on both sides, eliminating the need of two additional nipples. Three different models allow a variety of lengths.

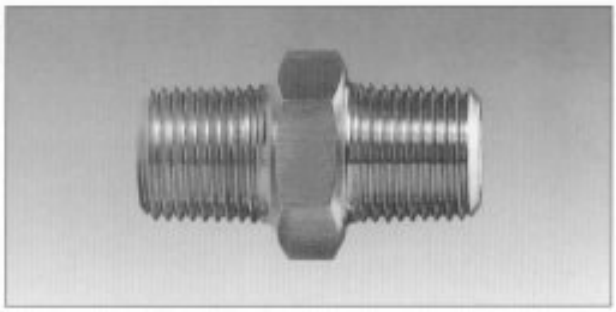


Reducing Nipple

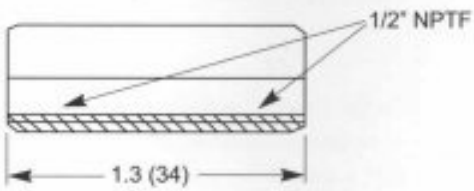


Model	Size (NPT)	L	W
5481	1/8" x 1/4"	1.3 (34)	3/4 (18)
5482	1/8" x 3/8"	1.4 (36)	7/8 (21)
5483	1/4" x 3/8"	1.3 (34)	7/8 (21)
5485	1/4" x 1/2"	1.3 (34)	1 (26)
5487	3/8" x 1/2"	1.6 41)	1 (26)

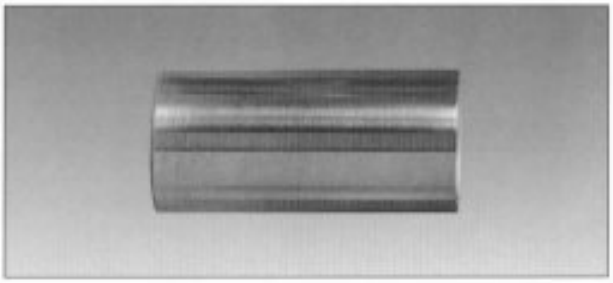
Constructed out of 316 stainless steel, and used in a wide variety of applications.



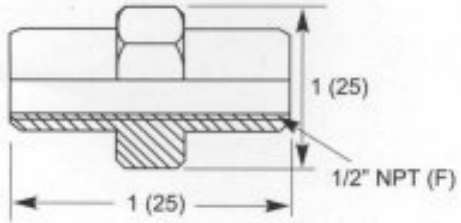
Model 5510



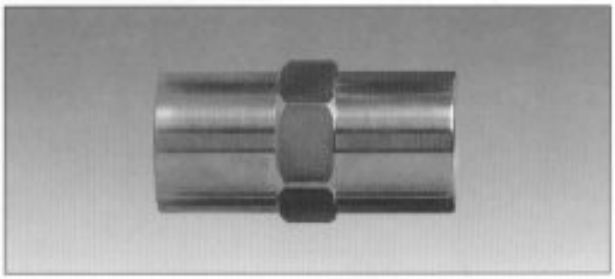
Plain Socket Coupling in SS 316



Model 5520



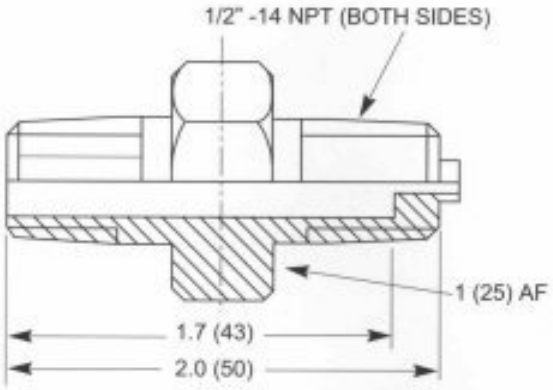
Hexagonal Socket Coupling SS 316 (1/2" NPT F on Both Sides)

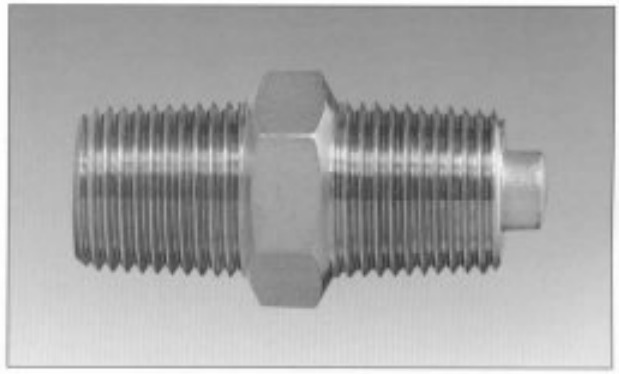


SS 316 ADAPTERS

Model 3201

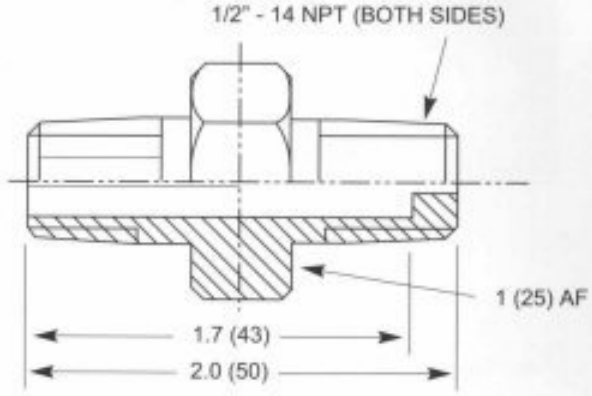
Suitable for welding directly on to 1/4" diameter sensors. Other materials and thread sizes available optionally

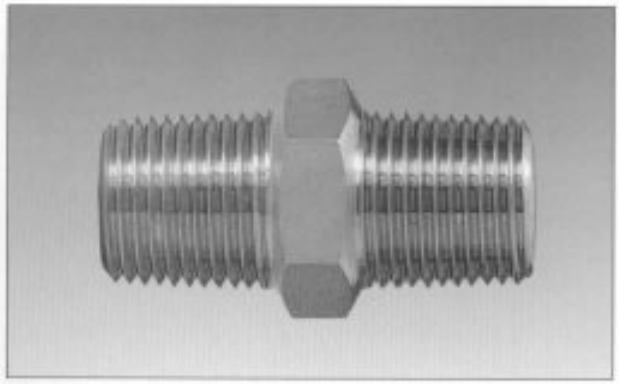




Model 3708

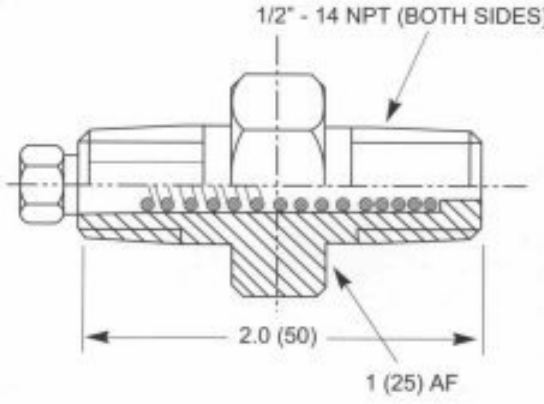
Suitable for spring loading 1/4" diameter sensors. Can be supplied with SS compression spring (Specify Model 3709)

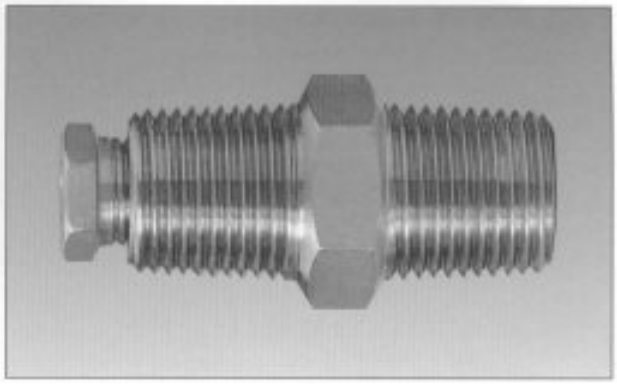




Model 3506

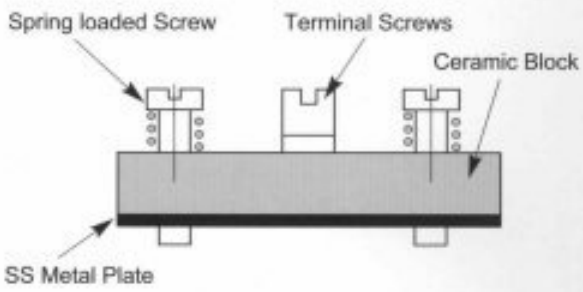
Suitable for spring loading 1/4" diameter sensors. SS Compression spring and retainer nut (SS 316) are all included. Model 3507 is suitable for 6 mm diameter sensors.

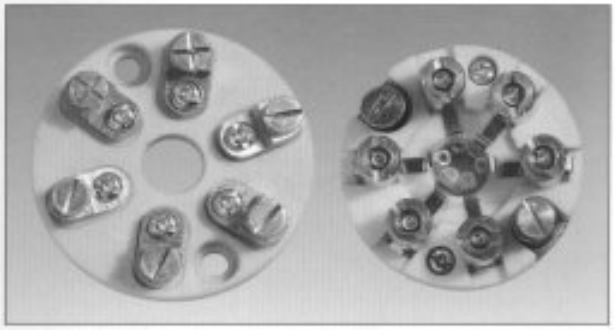


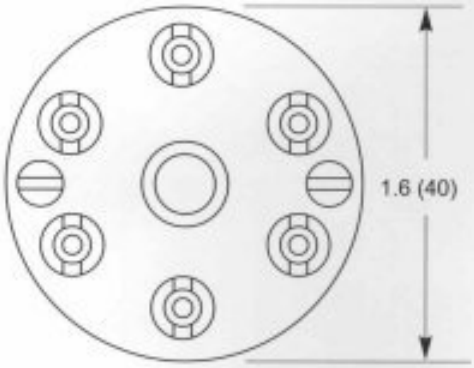


TERMINAL BLOCKS

DIN Type, Spring Loaded



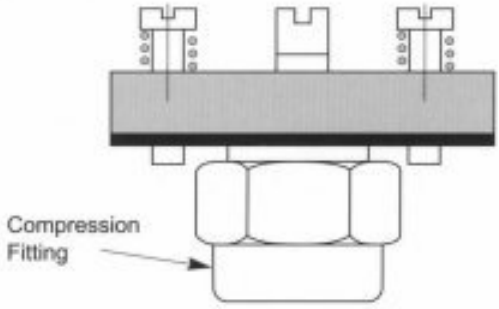




Model 8055 - 02	Two Terminals
Model 8055 - 03	Three Terminals
Model 8055 - 04	Four Terminals
Model 8055 - 06	Six Terminals

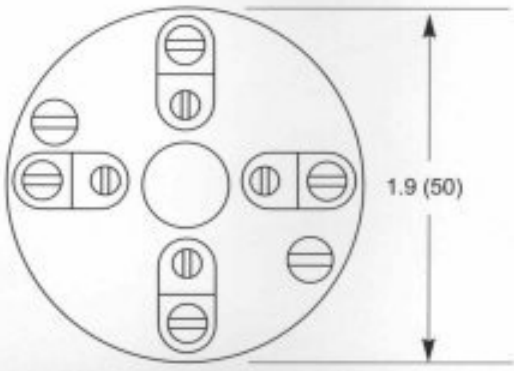
DIN Type, Spring Loaded

With Built in Compression Fitting suitable for 1/4" Diameter or 6 mm Diameter Sensors



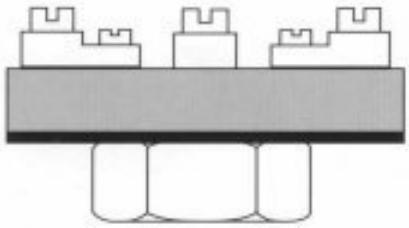
Model 8065 - 02	Two Terminals
Model 8065 - 03	Three Terminals
Model 8065 - 04	Four Terminals
Model 8065 - 06	Six Terminals

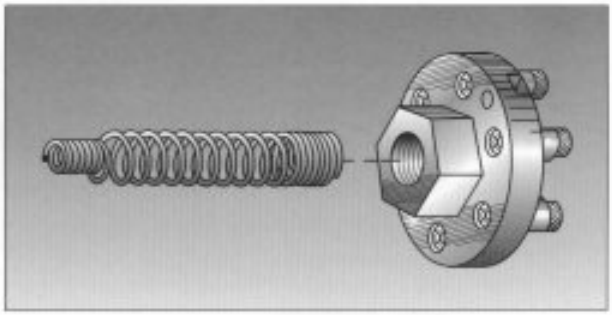
Large Size Ceramic Terminal Block



Terminal Block only	Terminal Block with Retainer Spring	No of Terminals
Model 8070 - 02	Model 8075 - 02	2
Model 8070 - 03	Model 8075 - 03	3
Model 8070 - 04	Model 8075 - 04	4
Model 8070 - 06	Model 8075 - 06	6

Terminal Block With Retainer Spring



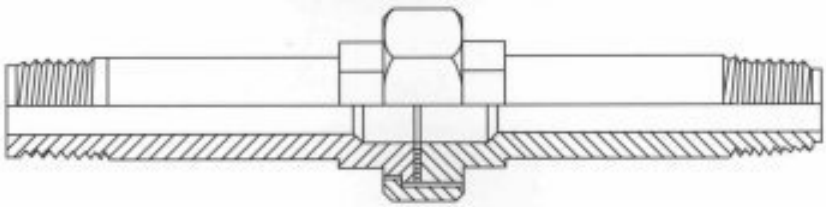


ADVANTAGES OF USING MALE UNION OVER NIPPLE UNION NIPPLE COMBINATION.

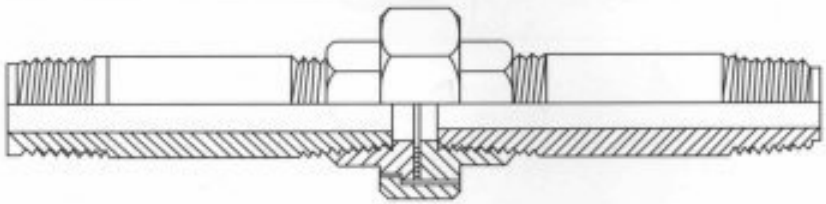
The two schematics below show the advantages of using our MALE UNION connector over the traditional NIPPLE-UNION-NIPPLE connection.

1. Two connections instead of four.
2. Better control of overall length of the assembly.
3. Better control of sensor length for spring loading applications.
4. More sturdier construction.
5. Lower cost

MALE UNION CONNECTION (Model 5330, 5340 or 5360)

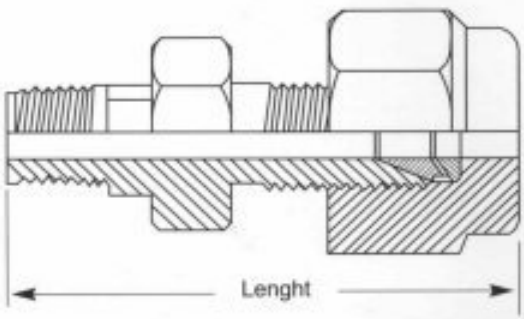


TRADITIONAL NIPPLE - UNION - NIPPLE CONNECTION



COMPRESSION FITTING, SS 316

(For attaching to the stem of the sensor)



Model Number	Sensor Process Thread	Fitting Diameter	Lenght
8662	1/8 - 27 NPT	0.25 (6.35)	1.3 (33)
8663	1/4 - 18 NPT	0.25 (6.35)	1.5 (38)
8664	1/2 - 14 NPT	0.25 (6.35)	1.75 (45)
8665	1/2 - 14 NPT	0.375 (9.5)	1.75 (45)
8666	1/4 - 18 NPT	0.24 (6.0)	1.5 (38)
8667	1/2 - 14 NPT	0.24 (6.0)	1.75 (45)
8668	1/2 - 14 NPT	0.35 (9.0)	1.75 (45)