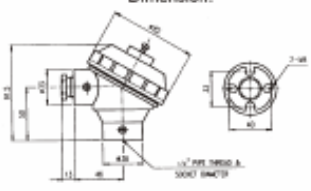
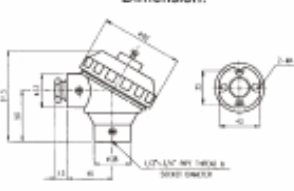
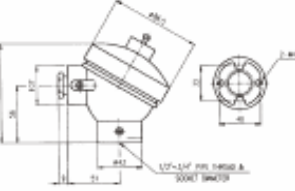
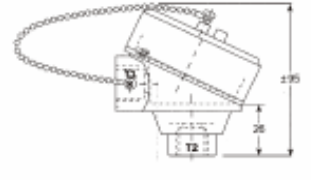
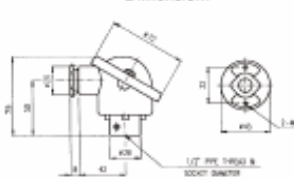
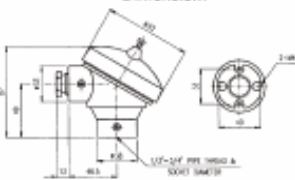
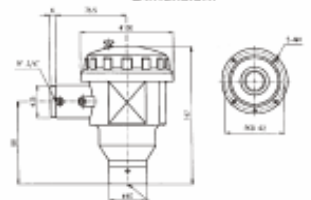
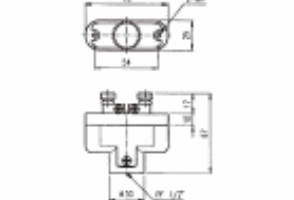
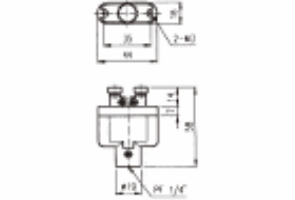






**TERMINAL HEAD**

UNIT : mm

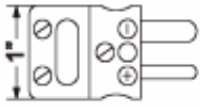
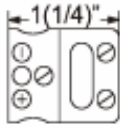
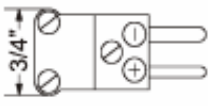
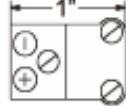
<p><b>TYPE : KB</b></p> <p>MATERIAL : BAKELITE CLASS : IP65</p>	<p><b>TYPE : KNC</b></p> <p>MATERIAL : ALUMINUM ALLOY CLASS : IP65</p>	<p><b>TYPE : KI</b></p> <p>MATERIAL : CAST IRON CLASS : IP 67</p>
<p>Dimension:</p> 	<p>Dimension:</p> 	<p>Dimension:</p> 
<p><b>TYPE : 1080AE , 1080SE</b></p> <p>MATERIAL : 1080AE ALUMINUM ALLOY 1080SE SUS 316 CLASS : EXPLOSION PROOF</p>	<p><b>TYPE : KD</b></p> <p>MATERIAL : ALUMINUM ALLOY CLASS : IP65</p>	<p><b>TYPE : LS</b></p> <p>MATERIAL : SUS 316</p>
<p>Dimension:</p> 	<p>Dimension:</p> 	<p>Dimension:</p> 
<p><b>TYPE : KT</b></p> <p>MATERIAL : ALUMINUM ALLOY CLASS : EXPLOSION PROOF</p>	<p><b>TYPE : TL(STD)</b></p> <p>MATERIAL : ALUMINUM ALLOY TERMINAL BLOCK : CERAMIC OR BAKELITE</p>	<p><b>TYPE : TS (MINI)</b></p> <p>MATERIAL : ALUMINUM ALLOY TERMINAL BLOCK : CERAMIC OR BAKELITE</p>
<p>Dimension:</p> 		

**TERMINAL BLOCK**

<p>TYPE : N-2P-A, N-3P-A, N-3P-A(Y), N-4P-A, N-6P-A MATERIAL : CERAMIC Al<sub>2</sub>O<sub>3</sub> 92%</p>	<p>TYPE : N-2P-B, N-3P-B, N-3P-B(Y), N-4P-B, N-6P-B MATERIAL : BAKELITE</p>
 <p>N-2P-A N-3P-A N-3P-A(Y) N-4P-A N-6P-A</p> <p>Terminal Blocks for Connection Heads Material: Ceramic Al<sub>2</sub>O<sub>3</sub> 92% Terminal Block Weight: 2P-A(72g), 3P-A(78g), 3P-A(Y)(72g) 4P-A(84g), 6P-A(94g)</p>	 <p>N-2P-B N-3P-B N-3P-B(Y) N-4P-B N-6P-B</p> <p>Terminal Blocks for Connection Heads Material: Bakelite Terminal Block Weight: 2P-B(56g), 3P-B(66g), 3P-B(Y)(44g) 4P-B(84g), 6P-B(66g)</p>
<p>TYPE : D-2P-A, D-3P-A, D-4P-A, D-6P-A MATERIAL : CERAMIC Al<sub>2</sub>O<sub>3</sub> 92%</p>	<p>TYPE : M-2P-C, M-3P-C, M-4P-C, M-6P-C MATERIAL : CERAMIC Al<sub>2</sub>O<sub>3</sub></p>
 <p>D-2P-A D-3P-A D-4P-A D-6P-A</p> <p>Terminal Blocks for Connection Heads Material: Ceramic Al<sub>2</sub>O<sub>3</sub> 92% Terminal Block Weight: 2P-A(88g), 3P-A(72g) 4P-A(78g), 6P-A(88g)</p>	 <p>M-2P-C M-3P-C M-4P-C M-6P-C</p> <p>Terminal Blocks for Connection Heads Material: Ceramic Terminal Block Weight: 2P-C(34g), 3P-C(38g) 4P-C(42g), 6P-C(54g)</p>

**STANDARD and MINIATURE plugs , jacks , mounting**

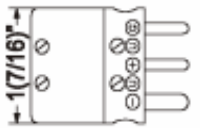
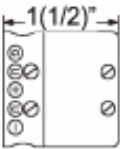
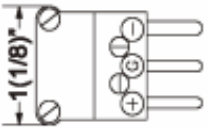
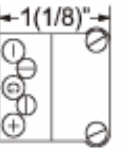
**Thermocouple connector FOR TYPE J, K, E, T, R, S)**

STANDARD		MINI	
TYPE: TCS M(PLUG)	TYPE: TCS F(JACK)	TYPE: TCM M(PLUG)	TYPE: TCM F(JACK)
			
mounting hardware		mounting hardware	
180 °C	260 °C	420 °C	180 °C
FIG 6,9,10	FIG 6,7,9	FIG 7,9	FIG 9,10, 11

ORDER : 1. THERMOCOUPLE TYPE 2. PLUG OR JACK TYPE 3. HARDWARE TYPE

ODERING EXAMPLE :

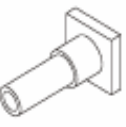
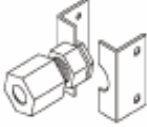
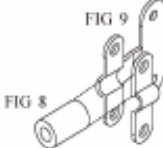


**RTD connector**

STANDARD		MINI	
TYPE: PTS M(PLUG)	TYPE: PTS F(JACK)	TYPE: PTM M(PLUG)	TYPE: PTM F(JACK)
			
mounting hardware		mounting hardware	
180 °C		180 °C	
FIG 6,7,9		FIG 6,9,10,11	

ORDER : 1. RTD TYPE 2.PLUG OR JACK TYPE 3. HARDWARE TYPE

ODERING EXAMPLE :

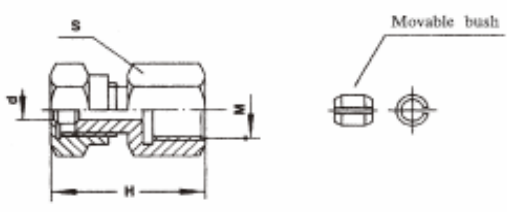
**MOUNTING HARDWARE**

MOUNTING HARDWARE				
TYPE: FIG 6	TYPE: FIG 7	TYPE: FIG 8,9	TYPE: FIG 10	TYPE: FIG 11
				

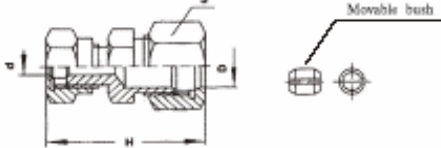
TYPE: Nipple-union-Nipple	
	

## ASSEMBLIES FOR TC AND RTD

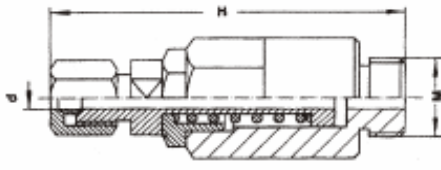
### Bush Screw-In / Compression fitting

	d		φ 2	φ 3	φ 4	φ 5	φ 6	φ 8
	Basic parameter							
	M		M1.2 x 1.5			M16 x 1.5		
	S		19			22		
H		≈42			≈42			
Normal Pressure	Fixed bush	2.5MPa						
	Movable bush	Atmospheric Pressure						

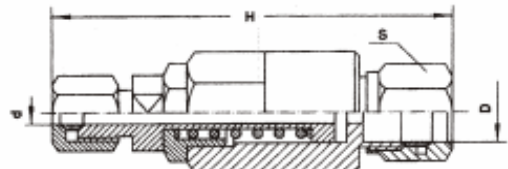
### Movable Bush Screw-In With Disconnected Joint Compression fitting with bushing

	S	D	d	H
	22	φ 12	φ 3	≈50
		φ 16	φ 4	
	30	φ 20	φ 5	
33	φ 22	φ 8		

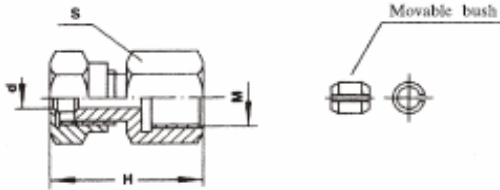
### Spring Screw-In With Vibration Resistant And Leak-Proof Compression fitting with bayonet cad and spring

	d	M	H
	φ 3	M16 x 1.5	≈81
	φ 4	M18 x 1.5	
	φ 5	M20 x 1.5	
	φ 6	G 1/2"	
	φ 8	G 3/4"	

### Spring Movable Connection With Vibration Resistant Compression fitting with bayonet cad and spring

	D	d	S	H
	φ 12	φ 2	24	≈90
		φ 3		
	φ 16	φ 4	30	
		φ 5		
φ 20	φ 6	33		
	φ 8			

### Inner Thread Transmission Connector With Bush Screw-In

	M	S	d	H
	M12 x 1	24	φ 3	≈38
	M16 x 1		φ 4	
	M22 x 1	27	φ 5	
	G 1/2"	25	φ 6	
	G 3/4"	36	φ 8	
	G 1"	40		

Long Bush Screw-In For Steam Turbine Cylinder

	d	M	S	Normal pressure
	φ3	M16 x 1.5	22	2.5MPa
	φ4			
	φ5			
	φ6			

Fixed Screw-In with Straight Protection Tube \ Fixed type bushing

	d	M	h	S	D <sub>0</sub>	Normal pressure
	φ10	M24 x 2 G 3/4"	32	32	φ40	10MPa
	φ12					
	φ16					
	φ20	M33 x 2 G 1"	35	36	φ48	

Fixed Screw-In with Tapered Drilled Thermowell \ Fixed type bushing

	M	h	S	D <sub>0</sub>	Normal pressure
	M33 x 2	33	36	φ48	30MPa
	G1				
	1-11.5NPT				

Bush Flange

	d	φ2	φ3	φ4	φ5	φ6	φ8
	Basic parameter						
	D	φ50		φ60			
	D <sub>0</sub>	φ36		φ42			
	D <sub>1</sub>	φ20		φ42			
	d <sub>0</sub>	φ7		φ9			
	S	19		22			
	Fixed bush Normal Pressure	2.5MPa					
	Movable bush Normal Pressure	Atmospheric Pressure					

(RF) Fixed Flange(RF)

	d	D	D <sub>1</sub>	d <sub>1</sub>	H	D <sub>0</sub>	Normal pressure
	φ8	φ95	φ65	φ45	16	φ40	2.5MPa
	φ10						
	φ12						
	φ16						
	φ20	φ115	φ85	φ65	18		
	φ22						
φ25							

Movable Flange

	d	D	D <sub>1</sub>	D <sub>0</sub>	Normal pressure
	φ10	φ70	φ54	φ6	Atmospheric Pressure
	φ12				
	φ16				
	φ20				
	φ22				
	φ25				