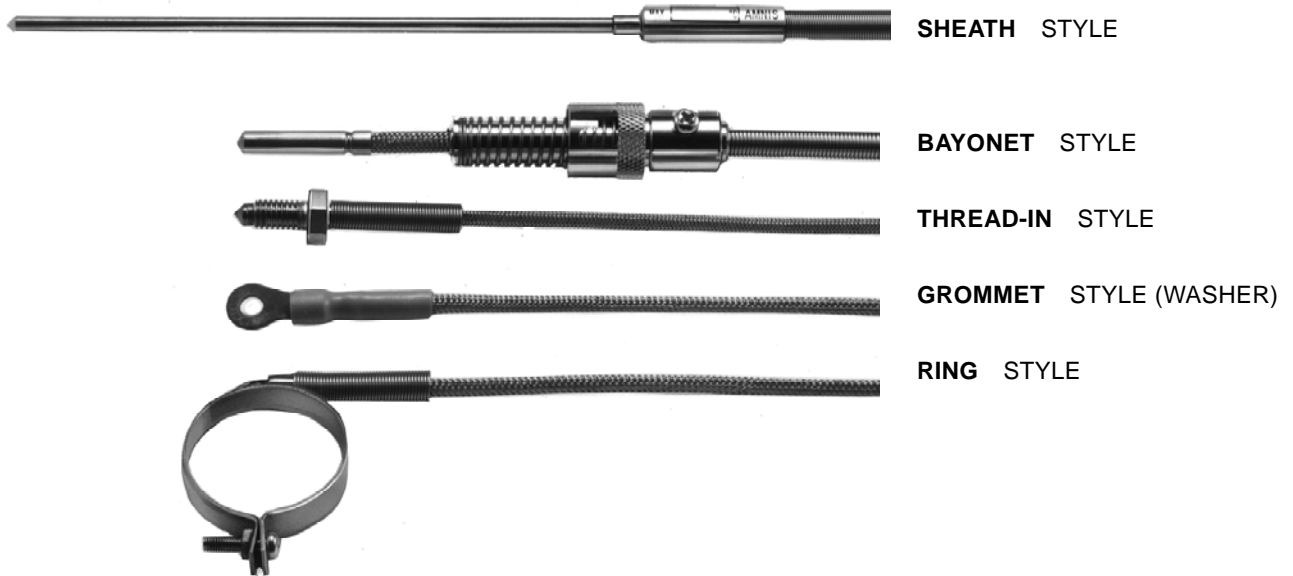


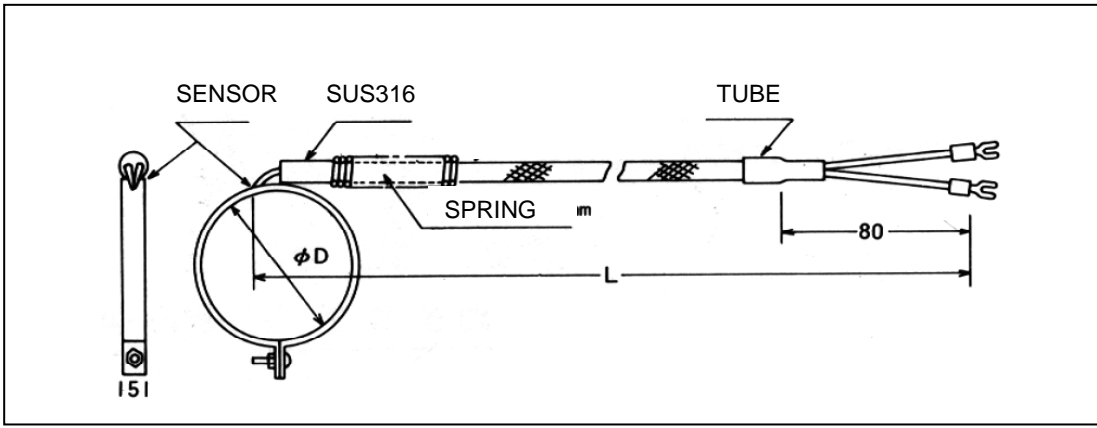
## **THERMAL SENSOR**    THEPMOCOUPLES/METRIC

(Mede in Japan)

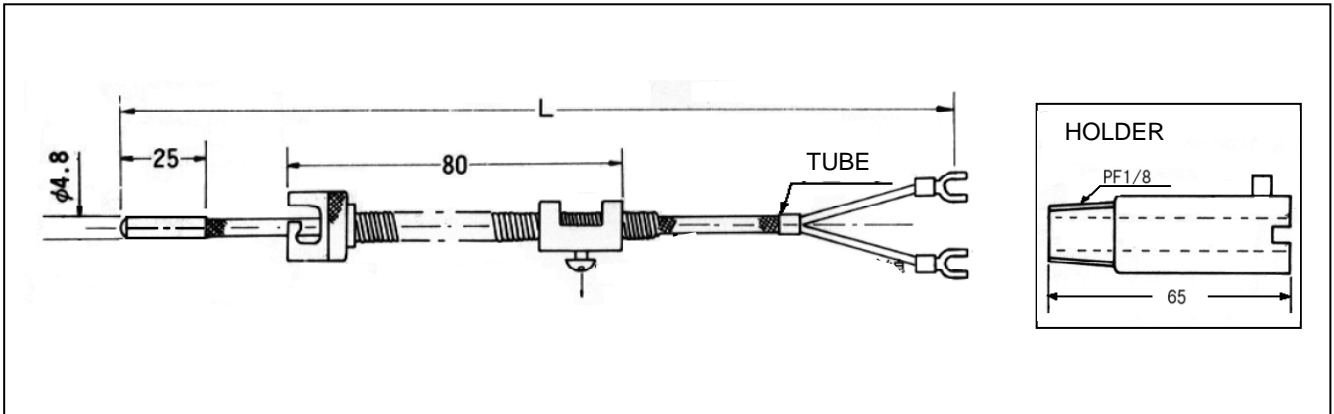


Thermocouple is a sensor for temperature measurement. A thermocouple has two Different types of metal connected together. One end is a point of contact and the Other is a point of reference. If the two ends are put in different temperatures it generates thermo electromotive force according to the difference of the temperature. If we keep the point of reference in a certain temperature. We can know the temperature of the point of contact used. Generally there are two (2) types of thermocouples: type K(C/A) and J(I/C). Which to select depends on the system of the temperature controller you have. As the point of reference is normally inside the controller. We connect the thermocouple to It by leads wires. Our type K and J thermocouple have accuracy rate of JIS 0.75.

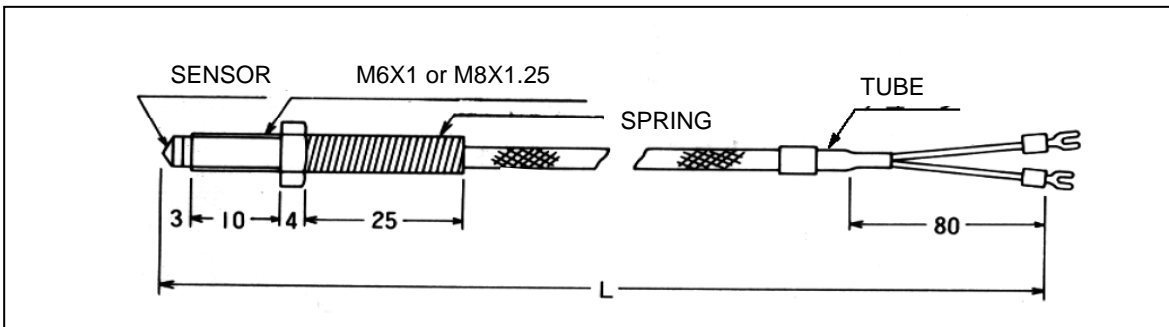
① RING style **A**



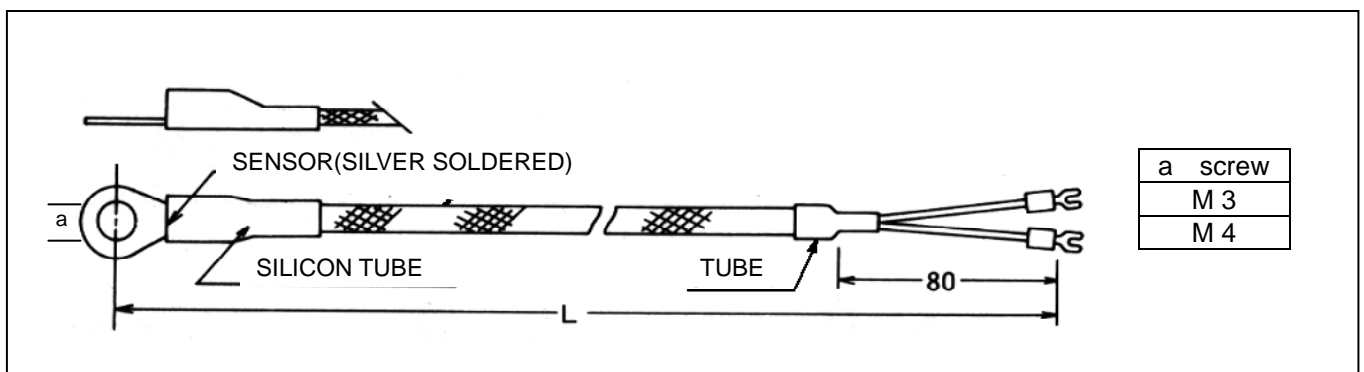
② BAYONET style **B**



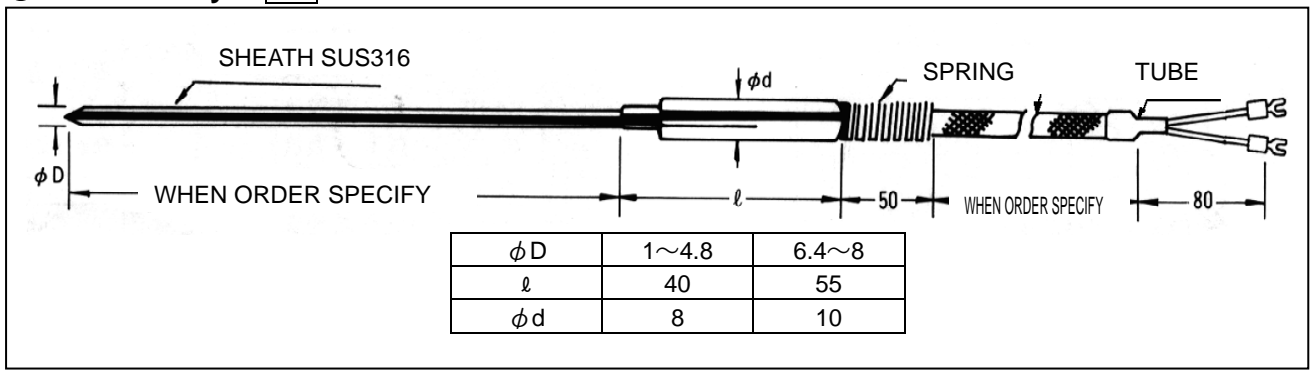
③ THREAD-IN style **C**



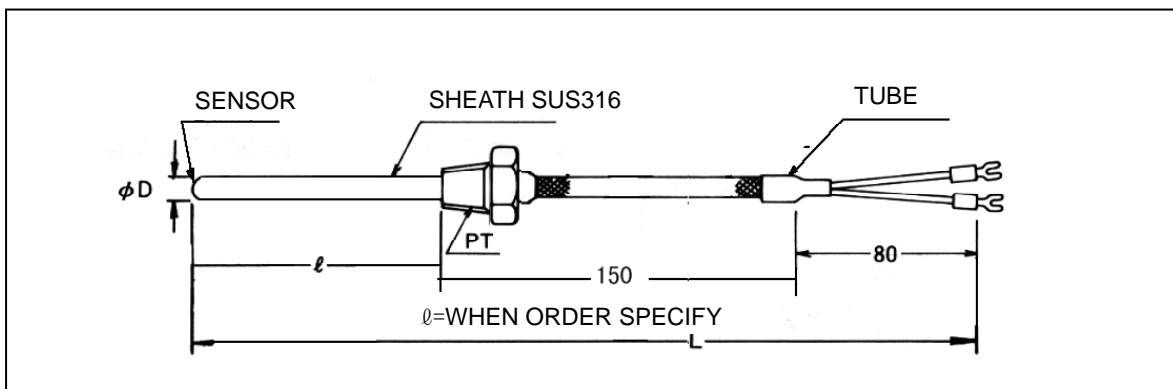
④ GROMMET(WASHER) style **D**



⑤ SHEATH style **E**



⑥ COMPRESSION style **F**



**SHEATH style E & COMPRESSION style F processing temperature range for**

MATERIAL(A=SUS316 B=INCONEL)

Temperature= °C

外径 ϕ	1.0		1.6		3.2		4.8		6.4		8.0	
	A	B	A	B	A	B	A	B	A	B	A	B
K type	650		650		750		800	900	800	1000	900	1050
J type	450	x	450	x	650	x	750	x	750	x	750	x

**COMPRESSION FITTING**

PT (A)	HEXAGON DIA		E	F	G	D SHEATH
	B	C				
1/8	14	14	10	13	5	1.0
	14	14	10	13	5	1.6
	14	14	10	13	5	3.2
	14	14	10	13	5	4.8
1/4	17	14	12	15	5	3.2
	17	14	12	15	5	4.8
	17	14	12	15	5	6.4
3/8	21	17	15	19	5	8.0
1/2	26	21	19	23	8	8.0

MATERIAL...SUS304

