



### Main characteristics

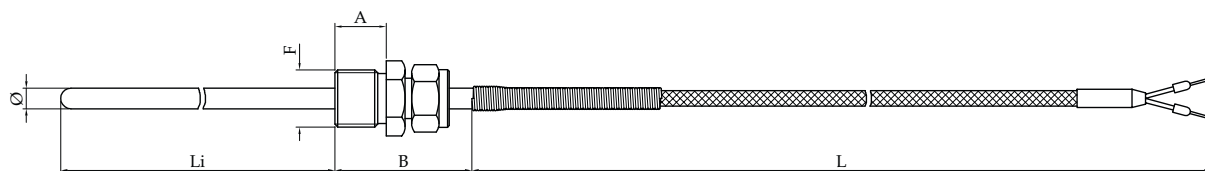
- Max. temperature limit:  $-40 \dots +250^{\circ}\text{C}$   
(see table for thermocouple cable used)
- Reference tolerances:  
Standards IEC 584.2 class 2:  
for type J, K:  $\pm 2.5^{\circ}\text{C}$  ( $-40 \dots +333^{\circ}\text{C}$ )
- Cable to DIN standard
- Highly versatile
- Low cost

## MODELS

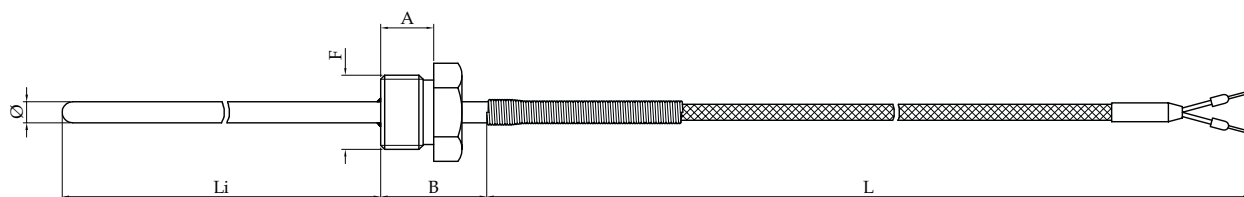
**TC1 A:** without mount



**TC1 B:** with sliding mount



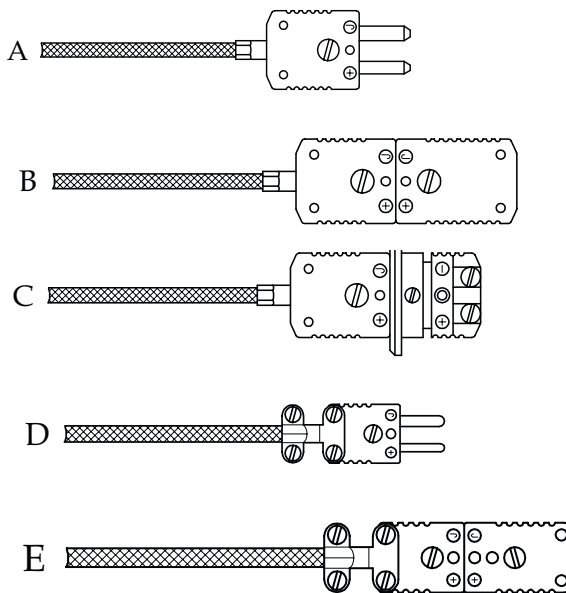
**TC1 C:** with welded mount



## ORDER CODE

CODE		Certificates	
<b>Model</b>		<b>Model</b>	
Without mount	A	A	Certificate of conformity
With sliding compression mount	B	R	Calibration Report
With welded mount	C	T	SIT Certified Calibration Report
<b>Element + heat junction</b>		<b>LENGTHS AND ACCESSORIES</b>	
Isolated single	1	<b>Immersion length (Li)</b>	
Grounded single	2	Standard length from 50 to 1000mm with 50mm pitch	
Isolated double	3	<b>Armature</b>	
Grounded double	4	G	Stainless steel sheathing
<b>Element type</b>		Z	Galvanized carbon steel sheathing
Fe - Cu/Ni	J	Not available with shielded GSC cable Not available with Mignon connector cable	
Ni/Cr - Ni/Al	K	<b>Connector type</b>	
<b>Cable (to DIN standard)</b>		A	Standard male
GSC	2 *	B	Standard male + female
Shielded GSC	3 **	C	Standard male + panel
TTS	5	D	Mignon male
TES	6	E	Mignon male + female
(*) Not available with 3mm sheathing (**) Not available with 3, 4, 5mm sheathing		<b>Cable length (L)</b>	
<b>Sheathing material</b>		Standard length from 5 to 100dm with 5dm pitch	
AISI 304	A		
AISI 316	C		
<b>Sheathing diameter (mm)</b>			
3	E *		
4	F *		
5	H		
6	I		
8	J		
(*)Not available with double element			
<b>Mount threading (F)</b>			
G 1/8	A		
G 1/4	B		
G 3/8	C		
G 1/2	D		
1/8 NPT	G		
1/4 NPT	H		
3/8 NPT	I		
1/2 NPT	J		
To be specified only for models B and C			
<b>Mount material</b>			
Nickel-plated brass	1		
AISI 303	2		
To be specified for model B Always specify for model C (2)			

### CONNECTOR TYPE



MOUNT (F)	TC1B		TC1C	
	A (mm)	B (mm)	A (mm)	B (mm)
G 1/8	10	35	10	20
G 1/4	12	35	12	25
G 3/8	15	40	15	30
G 1/2	15	40	15	30
1/8 NPT	11	35	11	25
1/4 NPT	16	40	16	30
3/8 NPT	16	40	16	30
1/2 NPT	20	45	20	35

Availability of Mount/Sheathing diameter					
	ø3	ø4	ø5	ø6	ø8
G 1/8	x	x	x	x	-
G 1/4	x	x	x	x	x
G 3/8	x	x	x	x	x
G 1/2	-	-	x	x	x
1/8 NPT	x	x	x	x	-
1/4 NPT	x	x	x	x	x
3/8 NPT	x	x	x	x	x
1/2 NPT	-	-	x	x	x

GEFRAN spa reserves the right to make aesthetic or functional changes at any time and without notice.

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