



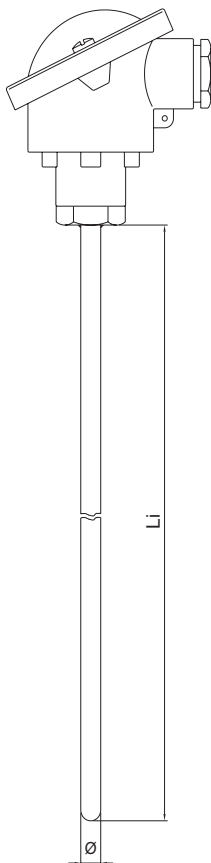
Main features

- Temperature limits:
 - 40 ... + 350° C for type T
 - 40 ... + 750° C for type J
 - 40 ... + 900° C for type E
 - 40 ... + 1000° C for type K
 (see table for sheath diameters)
- Tolerance (IEC standard 584.2/Class 2):

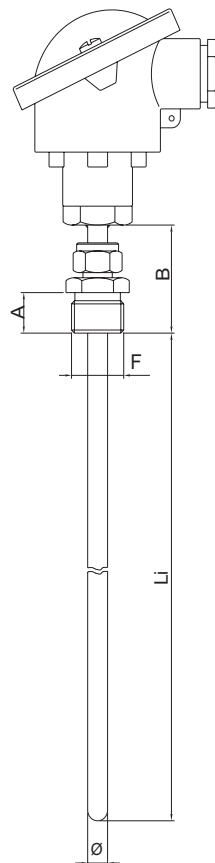
for type T:	$\pm 1^{\circ} \text{C}$	(- 40 ... + 133° C)
	$\pm 0.0075 [t]$	(t > + 133° C)
for type J, E, K:	$\pm 2.5^{\circ} \text{C}$	(- 40 ... + 333° C)
	$\pm 0.0075 [t]$	(t > + 333° C)
- Ceramic insulation of the thermocouple element
- Application versatility

MODELS

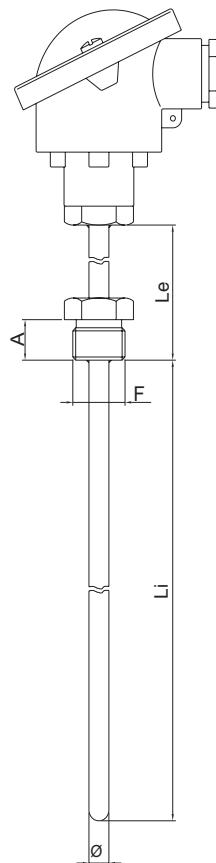
TC6 A
without fitting



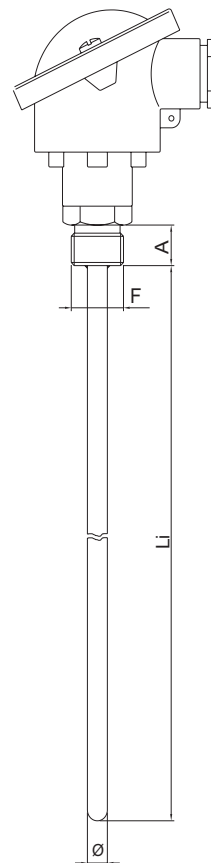
TC6 B
with adjustable
compression fitting



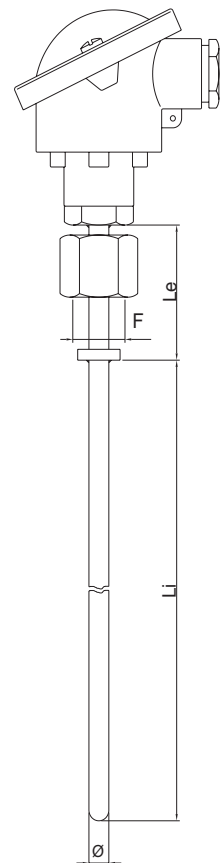
TC6 C
with welded fitting



TC6 D
with welded fitting
under the head

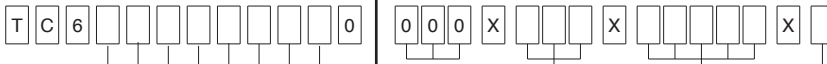


TC6 E
with female fitting and
welded ring



ORDER CODE

CODE



Model	
Without fitting	A
With adjustable compression fitting	B
With welded fitting	C
With welded fitting under the head	D
With female fitting and welded ring	E*

(* Available just with: 1/2" GAS thread

Element + Hot Junction	
Single Insulated	1
Single Grounded	2
Double Insulated	3
Double Grounded	4

Thermocouple Type	
Fe - Cu/Ni	J
Ni/Cr - Ni/Al	K
Cu - Cu/Ni	T
Ni/Cr - Cu/Ni	E

Connection Head	
Mignon	A*
DIN J	B
DIN B	C
DIN BUS	E
EEX d IIC 2GD	F
CEAA	H

(* For single element only

Sheath Material	
AISI 304	A
AISI 310	B
AISI 316	C
INCONEL 600	F

Sheath Diameter (mm)	
5	H
6	I
8	J
10	K
12	L

Connection Thread *		
1/8" GAS	"A"= 10mm	A
1/4" GAS	"A"= 12mm	B
3/8" GAS	"A"= 15mm	C
1/2" GAS	"A"= 15mm	D
1/8" NPT		G
1/4" NPT		H
3/8" NPT		I
1/2" NPT		J

(* To be shown for B, C, D, E models only

Connection Material *	
Nickel-Plated Brass	1**
300 Series Stainless Steel	2

(* To be shown for B, C, D, E models only
(**) Available for TC6B model only

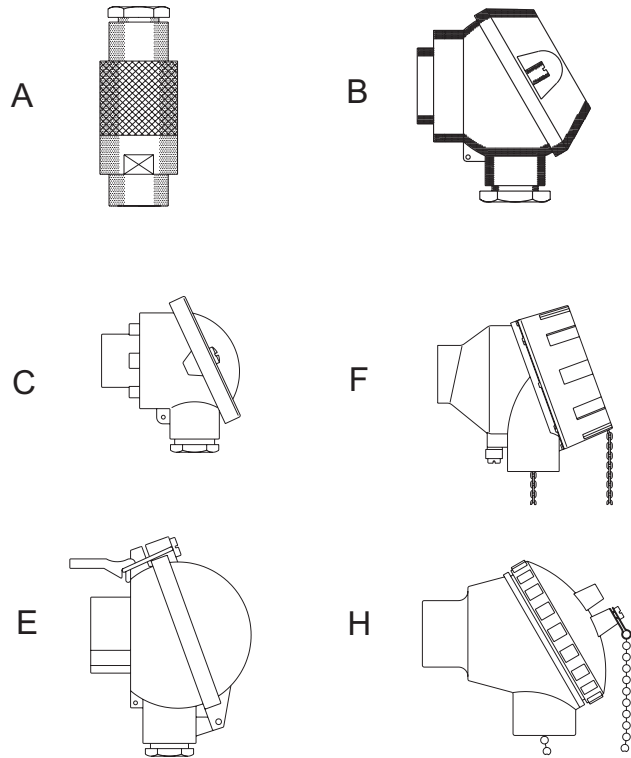
Certificates	
A	Conformity Report

LENGTHS AND ACCESSORIES

Li = Immers. Length (mm)
Standard Length from 50 to 1000mm with 50mm step

Le = Extens. Length (mm) *
Standard Length from 35 to 200mm with 10mm step

(* Available for TC6C and TC6E models only



	Mod. B		Mod. C e D
MOUNT (F)	A (mm)	B (mm)	A (mm)
G 1/8	10	35	10
G 1/4	12	35	12
G 3/8	15	40	15
G 1/2	15	40	15
1/8 NPT	11	35	11
1/4 NPT	16	40	16
3/8 NPT	16	40	16
1/2 NPT	20	45	20

Availability of Mounts /Sheathing Diameter					
Mount (F)	ø5	ø6	ø8	ø10	ø12
G 1/8	x	x	-	-	-
G 1/4	x	x	x	-	-
G 3/8	x	x	x	x	-
G 1/2	x	x	x	x	x
1/8 NPT	x	x	-	-	-
1/4 NPT	x	x	x	-	-
3/8 NPT	x	x	x	x	-
1/2 NPT	x	x	x	x	x

GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice