

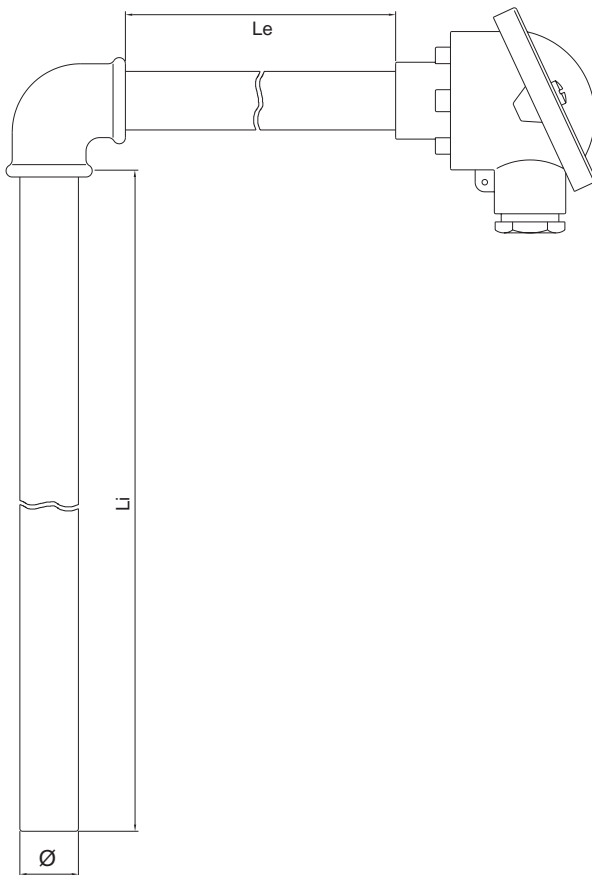


### Main features

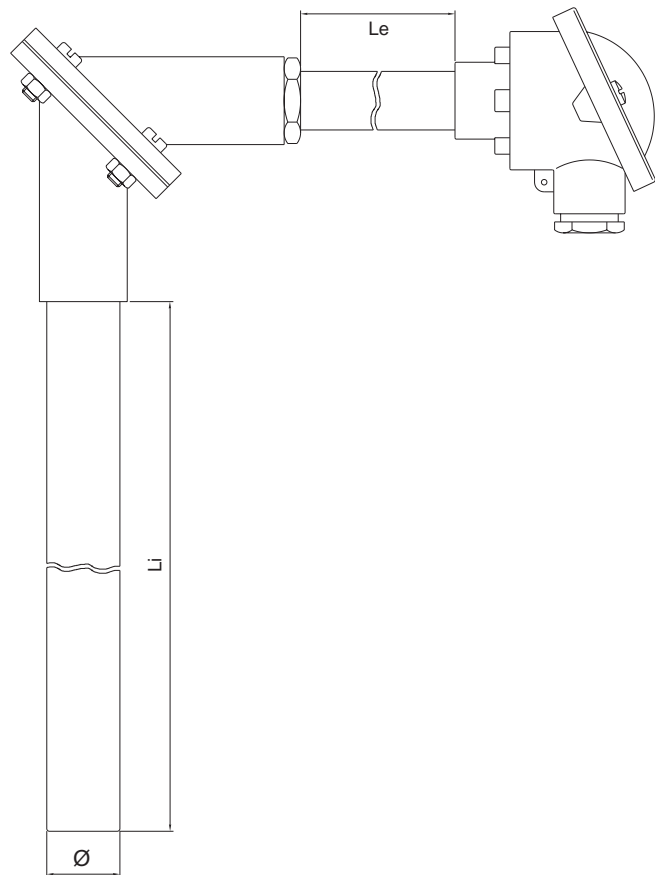
- Temperature limits:
  - 40 ... + 750° C for type J
  - 40 ... + 1200° C for type K
  - (see table for sheath diameters)
- Tolerance (IEC standard 584.2/Class 2):
  - $\pm 2.5^{\circ} \text{C}$  (- 40 ... + 333° C)
  - $\pm 0.0075 [t]$  ( $t > + 333^{\circ} \text{C}$ )
- Ceramic insulation of the thermocouple element
- Suitable for direct insertion into molten metal

### MODELS

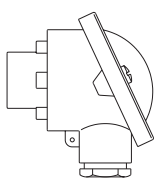
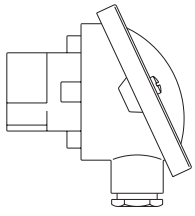
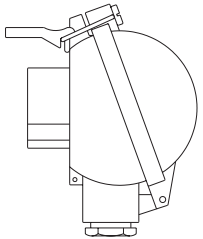
**TC10 A**  
with shoulder bend



**TC10 B**  
with angle flange



# ORDER CODE

CODE	0 0 0 X	X	X	X	X																																														
<p><b>Model</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>With shoulder bend</td><td style="text-align: center;">A</td></tr> <tr><td>With angle flange</td><td style="text-align: center;">B</td></tr> </table> <p><b>Element + Hot Junction</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Single Insulated</td><td style="text-align: center;">1</td></tr> <tr><td>Double Insulated</td><td style="text-align: center;">3</td></tr> </table> <p><b>Thermocouple Type</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Fe - Cu/Ni</td><td style="text-align: center;">J</td></tr> <tr><td>Ni/Cr - Ni/Al</td><td style="text-align: center;">K</td></tr> </table> <p><b>Connection Head</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>DIN B</td><td style="text-align: center;">C</td></tr> <tr><td>DIN A</td><td style="text-align: center;">D</td></tr> <tr><td>DIN BUS</td><td style="text-align: center;">E</td></tr> </table> <p><b>Sheath Material</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>AISI 310</td><td style="text-align: center;">B *</td></tr> <tr><td>AISI 316</td><td style="text-align: center;">C *</td></tr> <tr><td>INCONEL 600</td><td style="text-align: center;">F *</td></tr> <tr><td>Spheroidal Cast Iron</td><td style="text-align: center;">H **</td></tr> <tr><td>Grafito</td><td style="text-align: center;">O ***</td></tr> <tr><td>AISI 446</td><td style="text-align: center;">P *</td></tr> </table> <p>(*) Available with sheath <math>\phi</math> 1/2, 3/4 and 1" GAS only                  (**) Available with 35mm sheath <math>\phi</math> only                  (***) Available with 50mm sheath <math>\phi</math> and with 400, 500, 600, 750, 920, 1100mm immersion lengths only</p> <p><b>Sheath Diameter (mm)</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>21.3 (1/2")</td><td style="text-align: center;">Q</td></tr> <tr><td>26.7 (3/4")</td><td style="text-align: center;">T</td></tr> <tr><td>33.4 (1")</td><td style="text-align: center;">V</td></tr> <tr><td>35</td><td style="text-align: center;">X</td></tr> <tr><td>50</td><td style="text-align: center;">Y</td></tr> </table>	With shoulder bend	A	With angle flange	B	Single Insulated	1	Double Insulated	3	Fe - Cu/Ni	J	Ni/Cr - Ni/Al	K	DIN B	C	DIN A	D	DIN BUS	E	AISI 310	B *	AISI 316	C *	INCONEL 600	F *	Spheroidal Cast Iron	H **	Grafito	O ***	AISI 446	P *	21.3 (1/2")	Q	26.7 (3/4")	T	33.4 (1")	V	35	X	50	Y	<p><b>Certificates</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>A</td><td>Conformity Report</td></tr> <tr><td>R</td><td>Calibration Report</td></tr> <tr><td>T</td><td>SIT Certificate</td></tr> </table> <p><b>LENGTHS AND ACCESSORIES</b></p> <p><b>Li = Immersion Length (mm)</b>                  Standard length from 200 to 1000mm                  with 50mm step</p> <p><b>Le = Extension Length (mm)</b>                  Standard length from 400 to 600mm                  with 100mm step</p>	A	Conformity Report	R	Calibration Report	T	SIT Certificate	C	D	E	
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GEFRAN spa reserves the right to make any kind of design or functional modification at any moment without prior notice

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