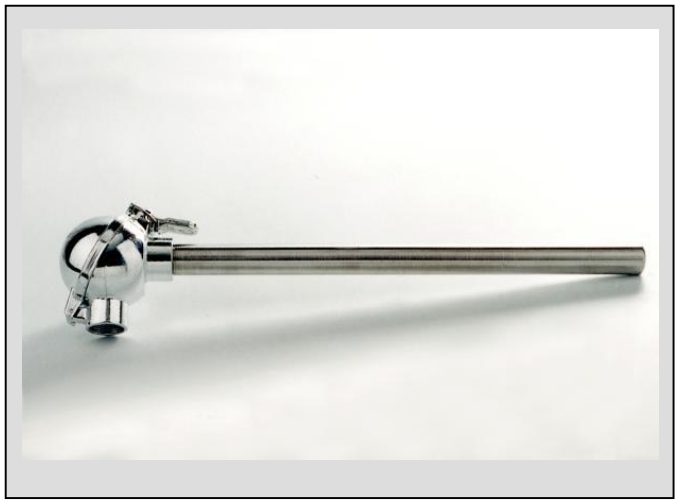
THERMO-COUPLE 'K' TYPE



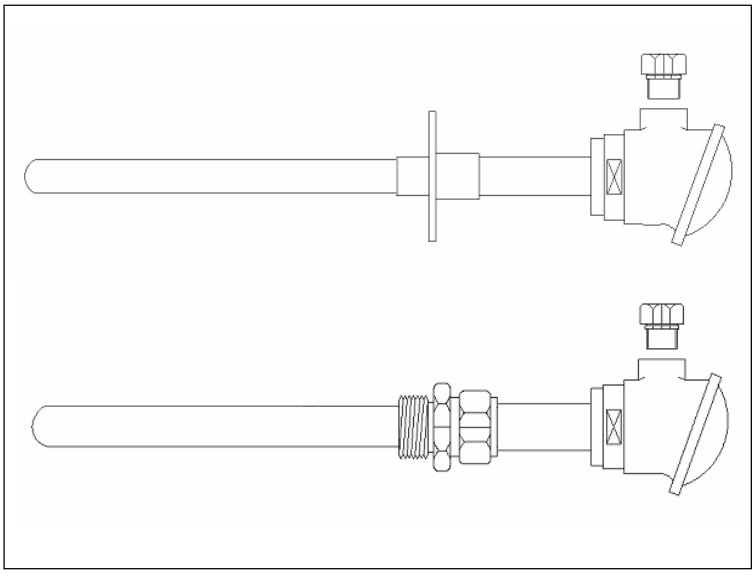
- **Measure field -200÷1200 °C (maximum limit dependant on insulation type)**
- **Tolerance complying with norm IEC 584.2 cl.2: +/- 2.5°C or +/- 0.75% (the highest values applies)**
- **High reliability**
- **Low cost**
- **Production process certificated ISO9001**

Type K thermocouple are made up of a nickel-chrome filament and of a nickel one mechanically joined at one side (hot-junction) while the other side is connected to the measure system.

On hot-junction temperature rising, it is generated an electromotive force proportional to the difference of temperatures between the two thermocouple's ends.

These sensors are typically installed within a metallic sheath (AISI 310) that grants sensor's insulation from condensation and from corrosion. It also gives a good mechanical protection.

Thermocouples have a head containing the terminals for electrical connections where it is also possible to install a signal transducer with 4÷20mA output.



They are available models with single or double sensible element, with length from 50 to 3000 mm and with process connection through threaded connector or sliding flange.

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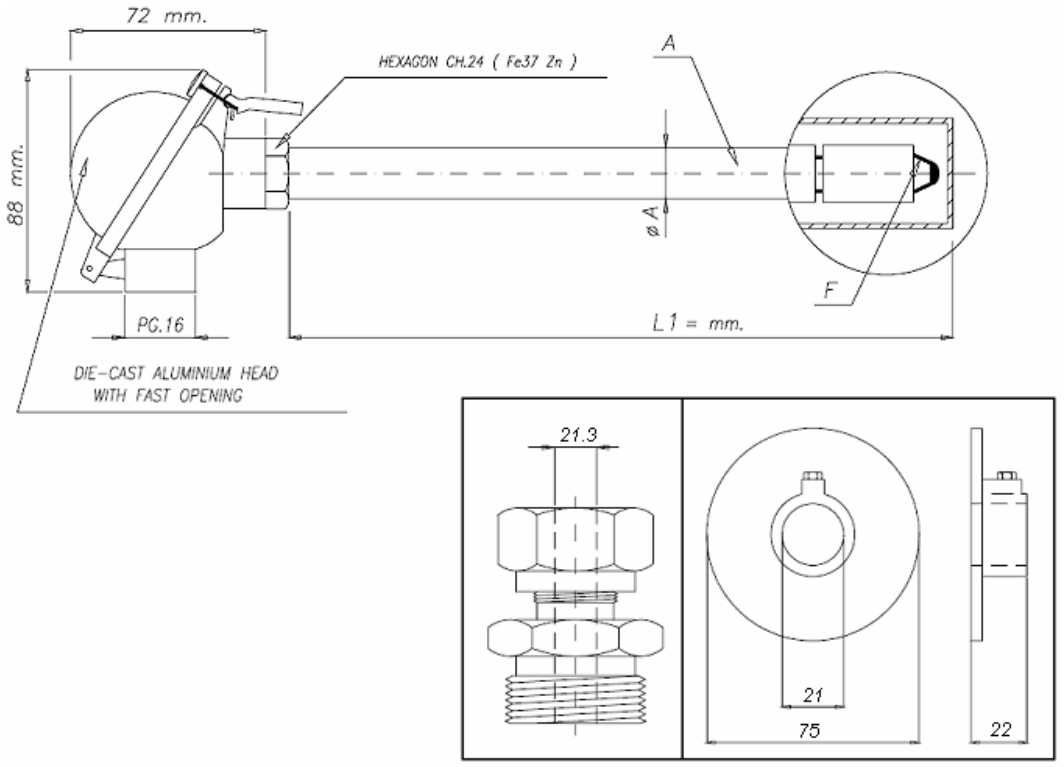
DIMENSIONAL DRAWING



CHOOSING GUIDE

Element Type	
1	Single element (2 wires)
2	Double element (4 wires)

Sheath diameter (A)	
08	Ø 8 mm → Ø wires 1.29mm (max. suggested temperature for continuous use: 1060° C)
10	Ø 10 mm → Ø wires 1.29mm (max. suggested temperature for continuous use: 1060° C)
14	Ø 14 mm → Ø wires 1.63mm (max. suggested temperature for continuous use: 1080° C)
17	Ø 17.2 mm → Ø wires 2.30mm (max. suggested temperature for continuous use: 1120° C)
20	Ø 20 mm → Ø wires 3.26mm (max. suggested temperature for continuous use: 1150° C)

Length (L1)					
01	50 mm	15	750 mm	38	1900 mm
02	100 mm	16	800 mm	40	2000 mm
03	150 mm	17	850 mm	42	2100 mm
04	200 mm	18	900 mm	44	2200 mm
05	250 mm	19	950 mm	46	2300 mm
06	300 mm	20	1000 mm	48	2400 mm
07	350 mm	22	1100 mm	50	2500 mm
08	400 mm	24	1200 mm	52	2600 mm
09	450 mm	26	1300 mm	54	2700 mm
10	500 mm	28	1400 mm	56	2800 mm
11	550 mm	30	1500 mm	58	2900 mm
12	600 mm	32	1600 mm	60	3000 mm
13	650 mm	34	1700 mm		
14	700 mm	36	1800 mm		

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