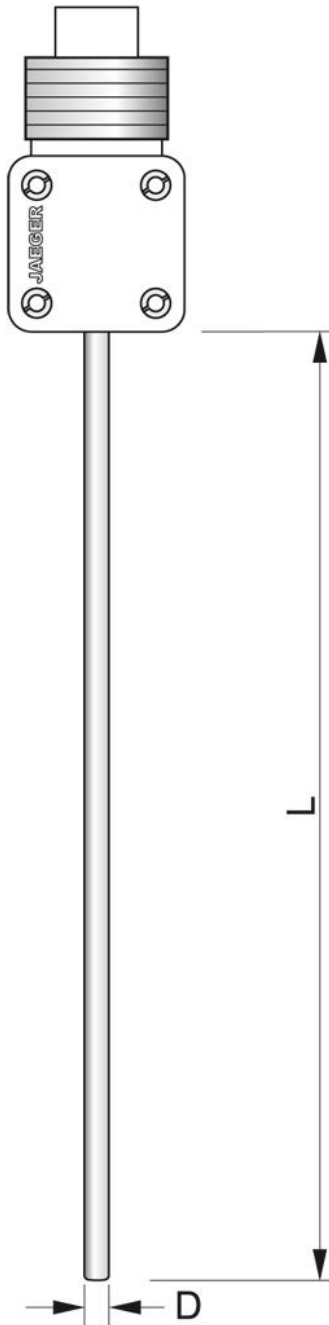


## Sheathed thermocouple with JAEGER® connector



### INFORMATIONS

#### Sensing element

Thermocouple type K, N, J, T, E. Tolerance class 1 according to IEC 60584 (EN 60584)

#### Temperature range

-200 to +1150 °C, depending on thermocouple type, sheath diameter, and length

#### External sheath

AISI 316L or Inconel seamless semi-flexible sheath with mineral oxide filling.  
Can be manufactured in very long lengths (virtually unlimited).  
Can be bended with a radius equal to 3 times the sheath diameter.

#### Diameter

6 mm by default, 4,5 and 3 mm

#### Length

“300 mm by default, other lengths on request, up to several tens of meters.

Hint: make sure that the thermocouple sheath is long enough to avoid smelting of the insulation material of the connector.”

#### Process connection

“None.

Sliding connector available in option.”

#### JAEGER® Connector

Jaeger standard series , female 3-pin is the most common connector for sheath thermocouples.

We can accommodate male connectors, other Jaeger series and different number of contacts.

We also can provide extension cables with mating connectors.

#### Wiring

2-wire (single) or 4-wire (double thermocouple)

### APPLICATIONS

The most versatile model of thermocouple.  
Insertion probe, long reach high temperature sensor,  
Laboratory vessels, heating plates,  
Difficult installations with curves, bends or loops,  
Ovens, incubators,  
Temporary measuring device for plant efficiency assessment.

## OPTIONS

Sliding connector. Contact us for availability : they are not available for all diameters or threads.

Ex Design



Description	Standard	Your requirements

Thermo element		
Manufacturing standard	IEC / EN 60584	
Type	E T J K N	
Single or double	Single Double	
Temperature range	indicate your own temperature range	

Immersion zone		
Length	300 mm (standard) Other length, please specify	
Diameter	3 mm 4,5 mm 6 mm (as standard)	
Material	Stainless steel AISI316 L Inconel 600	
Sliding connector	Not required Sliding connector - please specify the thread	

Connection		
Connector type	Other, please specify Jaeger standard series	
Connector model	Other, please specify Femelle 3 contacts 042 953 006	

Identification		
Identification	Self-adhesive label	
Tag	s.s. tag plate with P&ID number PVC tag plate with P&ID number	



Identification		
	Not required (standard)	

Other requirements		
ATEX construction for hazardous areas (option)	ATEX Ex i (intrinsic safety) with certificate Not ATEX (use in safe areas)	
Calibration	Calibration required - please specify the temperature calibration points Not required	
Certificates (option)	Other, please specify Conformity certificate Material certificate according to EN 10204 3.1 None required	
Others (option)	Please specify:	