

**KANTHAL®**

Part of Sandvik Group

Thermocouple	Thermoelement	Alloy	Working Atmosphere	Temperature Range °C (°F)
Type K	KP KN	Thermothal P Thermothal N	Oxidizing Inert	-200 to +1260 (-328 to +2300)
Type E	EP EN	Thermothal P (EP) Cuprothal (EN)	Oxidizing Inert	-200 to +870 (-328 to +1600)
Type T	TP TN	Copper Cuprothal (TN)	Oxidizing, vacuum Reducing, inert	-200 to +370 (-328 to +700)
Type J	JP JN	Iron (JP) Cuprothal (JN)	Oxidizing* Reducing, inert, vacuum	0 to +760 (-32 to +1400)
Type N	NP NN	Nicrosil Nisil	Oxidizing Inert	-200 to +1260 (-328 to +2300)

\* Limited use at high temperatures

Code	+ Positive Leg	- Negative Leg
N	Nicrosil (NP)	Nisil (NN)
K	Thermothal P (KP)	Thermothal P (KP)
E	Thermothal P (EP)	Cuprothal (EN)
J	Iron (JP)	Cuprothal (JN)
T	Copper *	Cuprothal (TN)

\* Not produced by Sandvik

MALZEME	ÇAP	BİRİM FİYAT
J Tipi Positive	0,42 mm	28,32 €/kg
J Tipi Negative	0,42 mm	111,48 €/kg
J Tipi Positive	0,50 mm	25,20 €/kg
J Tipi Negative	0,50 mm	108,72 €/kg
K Tipi Positive	0,50 mm	175,32 €/kg
K Tipi Negative	0,50 mm	175,56 €/kg
J Tipi Positive	0,60 mm	22,72 €/kg
J Tipi Negative	0,60 mm	106,80 €/kg
K Tipi Positive	0,70 mm	168,72 €/kg

MALZEME	ÇAP	BİRİM FİYAT
K Tipi Negative	0,70 mm	167,64 €/kg
J Tipi Positive	0,70 mm	20,76 €/kg
J Tipi Negative	0,70 mm	104,68 €/kg
K Tipi Positive	1,50 mm	157,44 €/kg
K Tipi Negative	1,50 mm	155,80 €/kg
J Tipi Negative	1,50 mm	98,32 €/kg
J Tipi Positive	1,50 mm	16,96 €/kg
K Tipi Positive	2,50 mm	155,16 €/kg
K Tipi Negative	2,50 mm	153,80 €/kg