

Banbury Thermocouples are thermocouple used to measure temperatures in the Banbury mixer in Rubber or Tyre Industry. This industrial mixer is used to mix or blend rubber compounds, which are used to produce tyres. These thermocouples are designed with hard wear resistant tips that withstand the hazardous environments of the mixer. The mixing process has to take place at specific

temperatures, hence it is essential to monitor the temperatures accurately.

Banbury thermocouples ensure the rubber compound has reached appropriate temperatures while mixing. They are designed and manufactured as per customer specifications.

## Features

- ✓ High Abrasion/Wear Resistance.
- ✓ Quick Response Time.
- ✓ Long Life.
- ✓ Superior Tensile Strength.

## Technical Specification

Termination Style	:	Connection Head IP - 67
Junction Style	:	Grounded Rounded Tip
Thermocouple Element	:	J-Type (Iron/Constantan)
Sheath OD	:	6 mm
Sheath Material	:	Ceramic Beads
Thermowell material	:	SS316/SS304 with hard wear resistant Tip (WC/Inconel 625 etc)
Thermowell OD1	:	22 mm (As per requirement)
Thermowell OD2	:	20 mm (As per requirement)
Thermowell ID	:	13.5 mm (As per requirement)
Process Connection	:	Through Flange (As per requirement)
Flange Material	:	Mild Steel (As per requirement)
Insertion Length	:	150 mm (As per requirement)
Nominal Length	:	590 mm (As per requirement)
Temp Range	:	upto 600°C



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