

MAXLIFE™ SILICON CARBIDE PLATINUM THERMOCOUPLE

Reotemp's MaxLife™ Silicon Carbide Platinum Thermocouple is designed to maximize thermocouple lifespan in the harsh Steel Mill environment. Our 3 layer design provides extra durability to help protect against the high temperatures, thermal shock, corrosive gases and debris found in furnaces and throughout the steel production process.



Made in USA



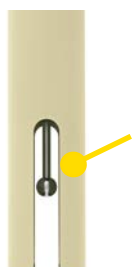
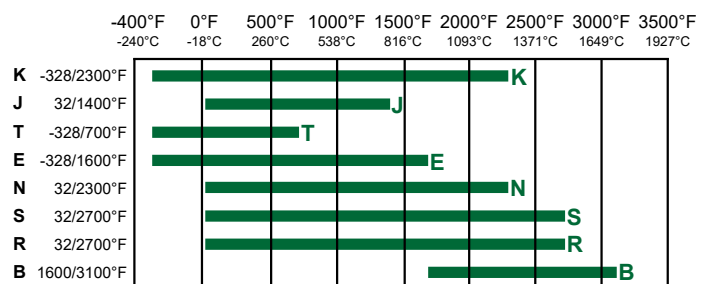
FEATURES / BENEFITS

- Robust Thermocouple Built for the Harsh Steel Mill Environment.
- 3 Layers of Protection
- Multiple Stem Lengths
- Single or Dual Thermocouples

SPECIFICATIONS

Sensor Type	Type S (Standard), R, B, K, J
Tube Materials	Silicon Carbide, Mullite, Alumina, Hexoloy
Maximum Process Temperature	Mullite: Up to 2700°F Hexoloy: Up to 3000°F in Air Alumina: Up to 3400°F Silicon Carbide: Up to 2,730°F

THERMOCOUPLE TEMPERATURE OPERATING RANGES



Type S Thermocouple

High Purity Platinum and Rhodium/Platinum Alloy

Measures up to 2,700°F



Secondary Mullite Protection Tube

Low Thermal Expansion and High Mechanical Strength

Reduces Wear and Extends Life of Thermocouple



Third Layer of Protection

Ultra-Tough Silicon Carbide Shield

Chemically Inert with Excellent Thermal Shock and Protection Against Corrosive Gases and Debris

MAXLIFE™ SILICON CARBIDE PLATINUM THERMOCOUPLE

THEMOCUPLES

COMMON APPLICATIONS

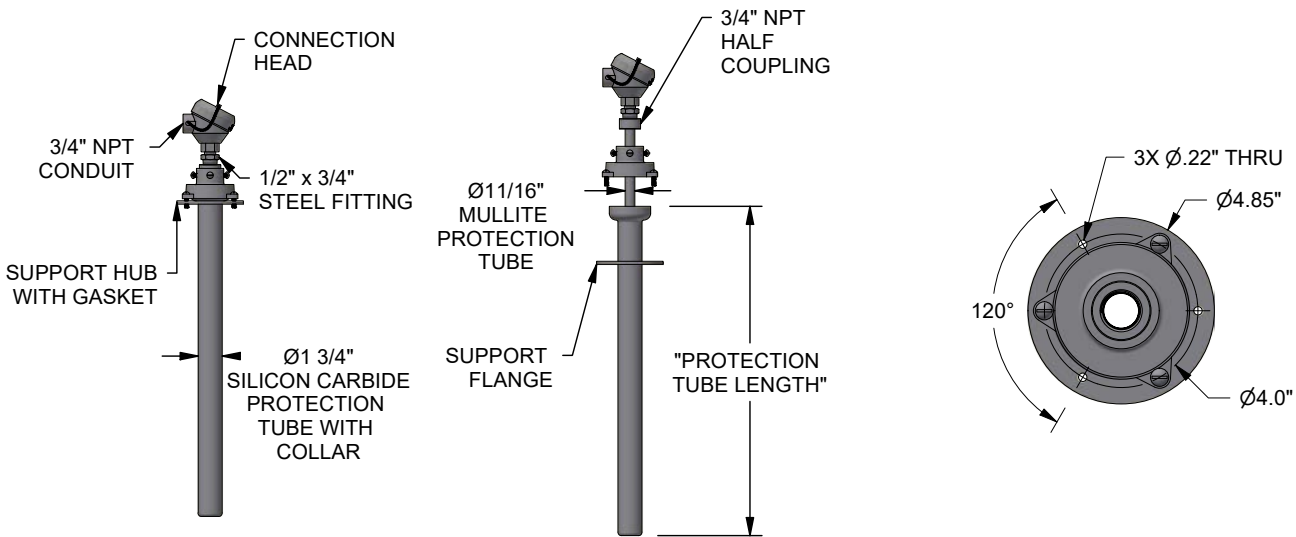
EAF/ BOF Furnace - Single Roof/ Dual Roof



Reheat Furnace/ Rolling Mill



DRAWINGS



PACKAGING

Extreme Care/Ultra Durable Packaging



Extra Padding for Safe Shipment



MAXLIFE™ SILICON CARBIDE PLATINUM THERMOCOUPLE

BUILD YOUR PROTECTION TUBE: Choose options to build a part number. For example: CTSAS24RBY24S

CTS	A	S	24	R	B
SERIES	HEAD TYPE/ CONNECTION	THERMOCOUPLE TYPE	WIRE GAUGE	INSULATOR	TUBE MATERIAL
CTS = Silicon Carbide Protection Tube Assembly	A = Cast Iron B = Cast Aluminum E = Explosion Proof Aluminum (FM, FMC, CSA)	Noble Metal S = Type S (Standard) R = Type R B = Type B SS = Dual Type S RR = Dual Type R BB = Dual Type B Base Metal J = Type J K = Type K JJ = Dual Type J KK = Dual Type K For thermocouple accuracy information see page 5. For thermocouple temperature operating ranges see page 6.	Noble Metal 24 = 24 AWG Base Metal 8 = 8 AWG 14 = 14 AWG 20 = 20 AWG	R = Round V = Oval (N/A With 20AWG)	B = Silicon Carbide Outer/Mullite Inner (Up to 2,700°F)
Y	24	S	[]		
TUBE OD/HEX FITTING PROCESS NPT	TUBE LENGTH "X"	PROCESS CONNECTION TYPE	OPTIONS		
Y = 1 3/4" O.D. Silicon Carbide With Collar Over 11/16" O.D. Mullite. 3/4" NPT Half Coupling	12 = 12" 18 = 18" 24 = 24" 30 = 30" 36 = 36" ?? = Length in Inches	S = Support Hub With Gasket and Support Flange	TS = SS Tag (1-10 Characters) TM = SS Tag (11-80 Characters) R1 = 1 Point Calibration Certificate (Factory Choice) R3 = 3 Point Calibration Certificate (Factory Choice) C1 = 1 Point Calibration Certificate (Customer Choice) C3 = 3 Point Calibration Certificate (Customer Choice) IJ = Insulated Hot Junction		