

Introduction

NiCrTi is very effective in providing long term protection to boiler tubes against high temperature sulfidation. The wrought material is highly resistant to sulfur/vanadium atmospheres up to 1800°F. When it is used in the super heater section of boilers, this type of wrought material has shown a 2 mil per year corrosion rate over a nine year period . Coatings of 45CT wire is applied to boiler tubes which is almost no loss of thickness or spalling after 24 months of service.

Equivalent: 45CT, Metco8500, PMET889

Chemical & Physical Properties

Ti	Cr	Ni
0.3-1.0	45	Bal.

Applications

- Boiler tubes
- Corrosion resistance
- High-temperature oxidation protection

Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	1.6, 2.0, 3.17	+ 0 / - 0.05

Other sizes (diameter and wire weight) can be manufactured accordingly to the requirements of customers.

Packaging

Spool	15kgs(33 lbs) / spool (D300 spool)
Coil	20 - 400kgs / coil