

**Technical  
data sheet**

EN170823GB

**Cored thermal spraying wire**  
**HARDSPRAY C-TS****CLASSIFICATION**

EN ISO 14919: NA

**DESCRIPTION**

- Metal cored wire specifically designed for thermal spraying by using arc wire spray process
- Produces dense, low oxide containing and tight deposits
- Corrosion resistant.
- Heat resistant

**APPLICATIONS**

- Rebuilding of bearing areas on nickel base components.
- Ball valves for the paper, chemical, petrochemical and offshore industries.
- Separators in the oil and gas industry.
- Digesters in the pulp and paper industry.

**TYPICAL DEPOSIT ANALYSIS**

C	Mn	Si	Cr	Fe	Mo	W	Ni
0.05	0.60	0.50	16.0	5.00	16.0	4.50	Bal.

**TYPICAL DEPOSIT PHYSICAL AND MECHANICAL PROPERTIES**As-sprayed hardness: up to 200 HV<sub>10</sub> (according to the arc wire spray parameters)**TYPICAL ARC WIRE SPRAY PARAMETERS (1.6 mm wire)**

Arc load voltage: 31V  
Current intensity: 150A  
Standoff distance: 75-100mm  
Spraying rate: 3.5-4.0 kg/hour  
Other parameters according to equipment.

**STANDARD DIAMETERS (mm)**

Diameter: 1.6 mm  
Other diameters: please consult us

**PACKAGING**

Diameter	1.6 mm
Spool type	BS 300
Weight	15 kg

Other packaging: please consult us