

DIN EN 14700

T Ni 20-55-CGTZ

## COROCARB Ni

COROCARB Ni is a cored metal wire filled with fused tungsten carbide and a Ni-B- Si- matrix for semi-automatic welding application. COROCARB Ni was developed to protect surfaces where extreme abrasive wear in combination with corrosion are encountered. The deposit alloy consists of up to 62% FTC (W2C) and 35 - 40% Ni- B- Si- matrix. The alloy has

a low melting range of between 900 – 1050 °C (1.652 – 1.922 °F) and flows extremely well and leaves a smooth and clean surface. The matrix is highly resistant to acids, bases, lye's and other corrosive media. Be sure that to choose amperage and voltage as low as possible to avoid decay of the tungsten carbides.



Repairing & hardfacing ferritic and austenitic steel tools and machine parts (steel castings). Specially developed for welding on tool joints and stabilizers in the petroleum industry.

### TYPICAL ALL WELD METAL ANALYSIS (%)

Ni-B-Si-Matrix + 62% FTC

Hardness HRc

Matrix 55

2400 HV<sub>0,2</sub>

TUNGSTEN CARBIDE PRODUCTS

### PARAMETER

Diameter	Voltage	Amps
1,2	16 - 20	140 - 180
1,6	18 - 20	160 - 180
2,0	20 - 21	200 - 220
2,4	21 - 23	220 - 260
2,8	22 - 24	240 - 280
3,2	22 - 24	280 - 300

Other dimensions on demand

### FORMS OF DELIVERY

Unit	Weight
Coil BS 300	15 kg
Coil B 450	25 kg
Drum	300 kg

G = Gas shielded, OA = Open Arc,