

CLASSIFICATIONS

EN 14700 : T Co3
DIN 8555 : MF 20-50-CTZ

DESCRIPTION

- Cobalt based-alloy with high resistance against abrasion, temperature shocks and corrosion
- This alloy is suitable for hardfacing cutting edges of long knives and other tools used in the wood, plastic, paper and chemical industries
- Shielding Gas: M13 (Ar+1%O₂)

CHEMICAL ANALYSIS OF WELD METAL % (TYPICAL)

C: 1.4 | Si: 1.0 | Mn: 0.8 | W: 8.0 | Fe: <3.0 | Cr: 29.0 | Co: Rest

MECHANICAL PROPERTIES

Hardness (As Welded)
(HRC)

48 - 50

BASE MATERIALS

- Thermal shock resistant, abrasion, erosion, corrosion, cavitation at high temperature, bearing surfaces, chemical industry, hot shear blades, valves

WELDING POSITIONS



OPERATING DATA

Diameter (mm)	Welding Current (A)	Voltage (V)	Stick-out (mm)
1.20	140 - 200	26.0 - 30.0	25.0 - 30.0

CURRENT TYPE

FCAW / D.C. (+)

OPERATING DATA

Product Code	Diameter x Length (mm) / (inch)		Package Weight (Kg)
1011100241	1.20	0.047"	15