

**Standards**

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

**Chemical Composition of  
Weld Metal % (Typical)**

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

**Mechanical Properties**

<b>Hardness</b>
(As Welded) (HRC)
48 - 50

**Typical Base Material Grades**

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

**Features and Applications**

- 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%O<sub>2</sub>)

**Resistance Type and Level**

Friction	High Temp.	Corrosive	Machining
██████████	██████████	██████████	██████████
Impact	Thermo Shock	Crack Resistance	
██████████	██████████	██████████	

**Operating Data**

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

**Current Type**

FCAW / D.C. (+)

**Operating Data**

Product Code	Diameter x Length (mm) / (inch)		Package Weight (Kg)
6031100366	1.20	0.047"	15

Approvals: SEPRO