

Standards

TS EN 14700	: E Ni 2
EN 14700	: E Ni 2
DIN 8555	: E ~23-UM-250-CKPZ

Mechanical Properties

Tensile Strength (N/mm ²)	Elongation ((L ₀ =5d ₀) (%))	Hardness		
		As Welded	After Heating 800°C/4h	After Working
min. 660	min. 740	270-320HB	380-450HB	~550 HV

Features and Applications

- Dies, mandrels, raci for hot extrusion of profiles, continuous casting guide tables, feed rolls, blades for hot shearing, furnace components, rolling vil inlet guides
- Electrode highly alloyed with chromium, Cobalt, Nickel, Molybdenum and Tungsten
- It is used for anti-wear protective coatings on low and high alloy steels, Nickel alloys and refractory steels
- It gives high strength and high creep resistance and temperatures up to 1200°C also resistance to thermal cycling shocks and abraision
- It has work hardenable deposit which is high mechanical pressures and very high resistance to strong oxidising agents, mixture of acids, chlorinated chemicals

Resistance Type and Level

Friction	High Temp.	Corrosive	Machining
■■■■■□	■■■■■	■■■■■□	■■■■■□
Impact	Thermo Shock	Crack Resistance	
■■■■■□	■■■■■	■■■■■	

Current Type

D.C.(+) / AC

Operating Data

Product Code	Diameter x Length (mm) / (inch)		Welding Current (A)	Package Weight (Kg)	Weight g / 100 pcs
3030100082	3.20 x 300	1/8 x 12"	120 - 170	5	3600

Approvals: SEPRO