

**Standards**

TS EN 14700	: E Fe 16
EN 14700	: E Fe 16
DIN 8555	: E 10-UM-65 GRZ

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

C	Mn	Si	Mo	V	W	Cr	Nb
4.5	0.3	1.0	5.0	1.7	2.5	23.5	4.0

**Mechanical Properties**

Hardness (HRC)
63 - 67

**Features and Applications**

- Super hardfacing electrode with very high content of carbide formers (Mo, V, W, Nb) for deposits subject to extreme sliding mineral abrasion
- Used in blast furnace cover mechanism, breakers, mixers, gimlet, non-steel and cement industry, mining coal industries, weld metal efficiency is ~ % 230
- Re-drying: 300°C-350°C / min. 2h

**Resistance Type and Level**
**Friction**

**Impact**

**High Temp.**

**Thermo Shock**

**Corrosive**

**Crack Resistance**

**Machining**

**Current Type**

D.C.(+) / A.C.

**Operating Data**

Product Code	Diameter x Length (mm) / (inch)		Welding Current (A)	Weight g / 100 pcs
3010101975	3.20 x 350	1/8 x 14"	110 - 150	5500
3010101978	4.00 x 350	5/32 x 14"	170 - 200	8200
3010101981	5.00 x 350	3/16 x 14"	190 - 250	12500

**Approvals:** SEPRO