

**Standards**

TS EN ISO 3580-A	: E CrMo2 B 42 H5
EN ISO 3580-A	: E CrMo2 B 42 H5
AWS A5.5	: E 9015-B3 H4

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

C	Si	Mn	Mo	Cr
0.07	0.5	0.8	1.0	2.2

**Mechanical Properties**

Yield Strength (N/mm <sup>2</sup> )	Tensile Strength (N/mm <sup>2</sup> )	Impact Strength (ISO-V/+20°C)	Elongation (L <sub>0</sub> =5d <sub>0</sub> ) (%)	Heat Treatment
min. 530	min. 620	min. 47 J	min. 18	690-750°C / 1h / 300°C (air)

**Typical Base Material Grades**

- 10CrMo9-10, 10CrMo5MoV7, G18CrMo9-6, A 335 Gr. P 22

**Features and Applications**

- Welding of steam boilers, steam pipes made of Cr-Mo-alloyed steels, nitrided steels, not-heat treated cementation steels
- Resistance of weld metal to working temperatures up to 600°C
- Requirement of Re-drying for min 2 hours at the temperatures between 300°C and 350°C

**Welding Positions**

**Current Type**

D.C.(+)

**Operating Data**

Product Code	Diameter x Length (mm) / (inch)		Welding Current (A)	Weight g / 100 pcs
3010100816	2.50 x 350	3/32 x 14"	80 - 110	2280
3010100819	3.20 x 350	1/8 x 14"	100 - 140	3810
3010100822	4.00 x 450	5/32 x 18"	130 - 180	6920

**Approvals: CE, SEPRO**