

Classifications

unalloyed rutile

EN ISO 2560-A:

AWS A5.1:

E 42 0 RC 11

E6013

Characteristics and field of use

Rutile cellulose covered electrode. General purpose; useable in all positions; excellent gap-bridging and arc-striking ability; for tack-welding and bad fit-ups. Well suited for welding rusty and primed plates (roughly 40 µm); excellent vertical down characteristics. Useable on small transformers (42 V, open circuit).

Base materials

S235JRG2 - S355J2; GS-38; GS-45; St35; St45; St35.8; boiler steels P235GH, P265GH, P295GH; shipbuilding steels corresp. to app.-grade 2; fine grained structural steels up to P355N; weldable ribbed reinforcing steel bars. ASTM A36 and A53 Gr. all; A106 Gr. A, B, C; A135 Gr. A, B; A283 Gr. A, B, C, D; A366; A285 Gr. A, B, C; A500 Gr. A, B, C; A570 Gr. 30, 33, 36, 40, 45; A607 Gr. 45; A668 Gr. A, B; A907 Gr. 30, 33, 36, 40; A935 Gr. 45; A936 Gr. 50; API 5 L Gr. B, X42-X52

Typical analysis of all-weld metal (Wt-%)

C	Si	Mn		
0.09	0.35	0.50		

Mechanical properties of all-weld metal

Heat Treatment	Yield strength 0.2%	Tensile strength	Elongation (L ₀ =5 _g 0)	Impact values ISO-V
	MPa	MPa	%	+20°C
untreated	420	510	22	50

Operating data



Polarity = - / ~

Dimensions (mm)

Amperage A

2.0 x 250	30- 75
2.5 x 250	40- 90
2.5 x 350	40- 90
3.2 x 350	90-130
4.0 x 350	140-190
4.0 x 450	140-190
5.0 x 350	190-240
5.0 x 450	190-240

Approvals and certificates

TÜV (00425.), DB (10.132.19), ABS, BV, LR, GL (2Y), DNV