



HILCO BASIC SUPER

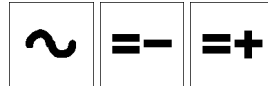
Stick electrodes – unalloyed steel

AWS A5.1: E 7018-1

EN ISO 2560-A: E 42 5 B 32 H5

Coating type:
Basic

Current:



Welding positions:



Basic Super is our universal low hydrogen ($H_{DM} < 5$ ml. / 100 gr. deposit weld metal) electrode for all welding positions, except vertical down position. This electrode is characterised by a smooth, quiet arc, very low spatter, easy slag removal and excellent mechanical properties even at low temperatures (down to $-40^{\circ}C$). Typical applications include shipbuilding, general constructions and offshore constructions. Basic Super is the ideal choice for out-of-position welding.

Base materials to be welded:

- Ships plate A-E, A(H)32-E(H)36, S315G1S-S355G3S
- Structural steel S185-S355J2G3, St.33-St.52.3, C(K)10-C(K)35
- Boiler steel P235GH-P355GH, HI, HII, 17Mn4, 19Mn6
- Fine grain steel P275N-P355NL2, S275N-S420N, StE285-EStE355, StE285TM-EStE355TM
- Pipe steel P235T1-P355N, L210-L415MB, St37.0-St52.4, St45.8, X42-X60, StE210.7-StE360.7TM
- Cast steel GP240R, GS45

Applications:

- Shipbuilding & Offshore
- General fabrication & construction
- Power Generation
- Repair & Maintenance

Chemical composition, wt. % weld metal – typical:

C	Mn	Si	S	P
0,07	1,3	0,6	0,005	0,014

Mechanical properties, weld metal – typical:

Condition	0,2% Yield strength MPa	Tensile strength MPa	Elongation Lo=5d - %	Impact Values ISO-V J
As welded	≥ 420	≥ 510	≥ 25	-50°C ≥ 47 20°C ≥ 120

Packaging and welding data:

Dia. mm.	Length mm.	Weight (kgs) 1000 pcs.	Current A
2,5	350	20,5	65-90
3,2	350	37,3	100-140
4,0	450	64,4	140-190
5,0	450	98,3	180-250