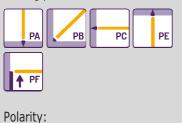


Processing informatione

Re-drying: 300-350°C/2h

Welding positions:



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Wheter preheating is required depends on the base material, for low dilution low heat input required. Otherwise preheating not necessary. Interpass temperature max. 200 °C.

STICKELECTRODES, DISSIMILAR STEELS

SOLDY 312L16

Application

Electrode for joint welding and surfacing on steel and cast steel of the same or similar alloy, for joint welding on high-tensile unalloyed and low-alloyed construction steel, heat-treated steel, tool steel and high-manganese steel as well as for joint welding of dissimilar steel with high-alloyed, stainless steel. Furthermore, this rod electrode is ideal for crack-resistant and tough-hard intermediate layers when hard-surfacing as well as for wear-resistant, workhardened and warmhardened surfacing. The austenitic-ferritic weld metal is stainless, corrosion-resistant and suitable for working temperatures of up to 300 °C. Due to the enhanced delta-ferrite content of the weld metal black-and-white joints are very resistant against hot-cracking.

All Weld Metal Mechanical Properties								
Heat Treatment		AW						
Structure	Auste	Austenite/Ferrite						
Weld Metal Composition [%]								
C Si 0,1 0,9	Mn 1	Cr 29	Ni 9					
Yield Strength Rp 0,2 [MPa] >500								
Tensile Strength Rm [MPa]								
Elongation A5 [9		> 20						

Welding Current, Packaging

ltem no.	Diam.[mm]	Amperage [A]	kg/Pack	≈ Piece/Pack	kg/1000 Pc.
	2,00/300	50 - 70	4,0	343	11,7
	2,50/300	70-100	4,0	226	17,7
	3,25/350	100 - 140	5,0	142	35,2
	4,00/350	130 - 170	5,0	94	53,2



Characteristic rutile-coated, core wire-alloyed

> Standards ISO 3581-A E 299R 12 AWS A 5.4 E312-16

Material no.

1.4337

Approvals



Soldyrec C/Milanos 10 Nave 61 28320 Pinto Madrid España

