

HEATING TECHNOLOGY

Manufacturers of furnaces in hardening and induction technology rely on capilla.



capilla - The number 1 for all demanding metal-workers.

Below you can find a brief extract of the stick-electrode range manufactured by **capilla**, which are specifically used in the Heating Technology. A number of other products, as well as solutions for other welding processes can alternatively be provided by **capilla**.

	Product Description	Applications	Analysis
	Rutile-basic coated stick electrode for fusion	Fusion welding and cladding of material such as:	[weight-%] C max. 0,03
309 MO AWS A 5.4:	welding of similar or lower alloyed CrNiMo – steels. Especially suitable for overlay weldings onto non-alloyed steels if an 18/8/2 CrNiMo alloy has	1.4401, 1.4404, 1.4406, 1.4410, 1.4437, 1.4571, 1.4580.	Cr 23,0-24,0 Ni 11,0-13,0
	to be realized in the first layer. Scale resistant up to 1050°C.	Also suitable for dissimilar joints of high and low alloyed steels.	Mo 2,5-3,5 Fe Rest
310	Rutile-basic coated electrode for welding of heat resistant austenitic steels. The weld metal is fully	Suitable for materials as:	C max. 0,1 Cr 23,0-26,0
AWS A 5.4: E 310-16	austenitic and scaling resistant up to 1200°C. Deposited material is not resistant to sulphurous gases.	1.4832, 1.4840, 1.4841, 1.4845, 1.4846, 1.4849, 1.4713, 1.4726, 1.4710, 1.4745, 1.4823.	Ni 19,0-21,0 Mn 2,5-3,0 Fe Rest
6000 B	Basic coated stick electrode for fusion welding and cladding of nickel alloys and cryogenic nickel steels. In case of dissimilar welding of nickel base	Especially suitable for dissimilar joints at service temperatures in the range of –196°C to + 650°C. Temperature limitations: Scaling resistant up to 1000 °C; in sulphurous atmosphere max. 500 °C;	C 0,03-0,06 Cr 18,0-21,0 Mn 4,0-6,0
AWS A 5.11: ~E NiCrFe-3	materials to carbon steels even at high temperatures no carbon diffusion from the ferritic base material into the fully austenitic weld metal occurs. Good resistance to thermal shocks.	fully loaded welds max. 800 °C. Material Nos.: 1.4876, 2.4870, 2.4867, 2.4816, 1.5662, 1.4429, 1.4539, 1.4922 and joints of these materials with low alloyed steels.	Nb 2,0-2,8 Fe 3,0-5,0
C. Territoria			

Experts trust capilla.





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