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DIN EN 14700 T 29 9 R M 3 (C3)

CORODUR® TS 312

A rutile flux cored stainless steel wire for gas shielded arc welding, CORODUR® TS-312 contains 29% chromium and 9% nickel. It has an attractive bead appearance, easy slag release, very good penetration, high productivity and excellent X-ray soundness. The maximum performances in the horizontal and downhand position are welded with classical economical Ar-CO2 mixtures or CO2.

Its high alloy content and high ferrite ratio allow CORODUR® TS 312 to benefit from extreme tolerance to hot cracking and to dilution with a wide range of base materials. Preheat can often be avoided or minimised. The weld deposit workhardens and gives good wear and friction resistance.

RUST, ACID AND HEAT RESISTANT ALLOYS

TYPICAL ALL WELD METAL ANALYSIS (%)

C	Si	Mn	Cr	Ni	Mo
0,03	0,8	1,3	29,0	9,0	0,4

Tensile strength R_m N/mm²	Yield strength $R_{p0,2}$ N/mm²	Elongation A_5 %	Impact strength (J)
860	650	25	40 @ 20° C

FORMS OF DELIVERY

Diameter	Units	Shielding gas
1,2	BS 300	Argon + Co_2
1,6	BS 300	Argon + Co_2

Other dimensions on request

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