

## CORODUR® TS 316 L

CORODUR® TS-316L is used when a flux cored wire is needed for joining corrosion-proof Cr-Ni-Mo- steels of low carbon content as well as stabilised and non-stabilised steels with identical or similar characteristics and resistant to chemical agents. Used on a base metal of identical characteristics the weld metal is resistant

to wet corrosion up to 400 °C. Scale resistant up to 800 °C in air and oxidising gases atmosphere. No intercrystalline corrosion due to low carbon content. The deposit is capable of taking high polish. It is also approved for joining austenitic to ferritic steels (weld thin stringer beads).



1.4404	X2 CrNiMo 17-13-2;
1.4406	X2 CrNiMoN 17-12-2;
1.4571	X6 CrNiMoTi 17-12-2;
1.4401	X5 CrNiMo 17-12-2;
1.4583 GX10	CrNiMoNb 18-12

### TYPICAL ALL WELD METAL ANALYSIS (%)

C	Si	Mn	Cr	Ni	Mo
0,03	0,8	1,4	19,0	12,0	3,0

Tensile strength $R_m$ N/mm <sup>2</sup>	Yield strength $R_{p0.2}$ N/mm <sup>2</sup>	Elongation $A_5$ %	Impact strength (J)
600	490	32	35 @ -110° C

RUST, ACID AND HEAT  
RESISTANT ALLOYS

### FORMS OF DELIVERY

Diameter	Units	Shielding gas
0,9	BS 300	Argon + Co <sub>2</sub>
1,2	BS 300	Argon + Co <sub>2</sub>
1,6	BS 300	Argon + Co <sub>2</sub>

Other dimensions on request