

## **CORODUR<sup>®</sup> TS 316 L**

### **CLASSIFICATION:**

T 19 12 3 L R M 3 ( C3 )  
T 316 LT0 1- 4  
1.4430

### **GENERAL CHARACTERISTICS:**

Flux cored wire for joining corrosion-proof Cr-Ni-Mo- steels of low carbon content as well as stabilised and non-stabilised steels of identical or similar characteristics which are 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. Also approved for joining austenitic to ferritic steels (weld thin stringer beads).

### **APPLICATION:**

1.4404 X2CrNiMo 17-13-2	1.4437 GX6CrNiMo 18-12
1.4435 X2CrNiMo 18-14-3	1.4408 GX5CrNiMo 19-11-2
1.4409 GX2CrNiMo 19-11-2	1.4571 X6CrNiMoTi 17-12-2
1.4429 X2CrNiMoN 17-13-3	1.4580 X6CrNiMoNb 17-12-2
1.4401 X5CrNiMo 17-12-2	1.4581 GX5CrNiMoNb 19-11-2
1.4436 X3CrNiMo 17-13-3	1.4583 GX10CrNiMoNb 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

### **TYPICAL ALL WELD METAL MECHANICAL PROPERTIES:**

Tensile strength R <sub>m</sub> N/mm <sup>2</sup>	Yield strength R <sub>p0,2</sub> N/mm <sup>2</sup>	Elongation A <sub>5</sub> %	Impact strength J
600	490	32	- 110 C°; 35

### **FORMS OF DELIVERY:**

Diameter / mm	Sales 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>