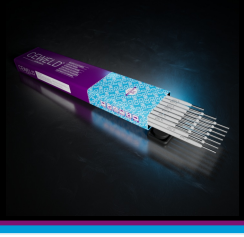


certilas® THE FILLER METAL SPECIALIST

CEWELD 4551 Ti

TYPE

Rutile-basic coated stick electrode for welding of Nb- and/or Ti-stabilized, austenitic stainless steels

APPLICATIONS

CEWELD® 4551 Ti is suitable for welding austenitic corrosion-resistant stabilized Cr-Ni steels for working temperatures up to 400 °C

PROPERTIES

The weld deposit of the CEWELD® 4551 Ti is scale-resistant up to approx. 800 °C in normal atmosphere and oxidizing gases. The weld deposit is capable of taking a high polish

CLASSIFICATION

AWS	A 5.4: E 347-16
EN ISO	3581-A: E 19 9 Nb R 12
F-nr	5
FM	5
W.Nr.	1.4551

SUITABLE FOR

1.4301, 1.4303, 1.4306, 1. 4308, 1.4310, 1.4311, 1.4312, 1.4319, 1.4541, 1.4546, 1.4550, 1.4552, X2CrNi 19 11, X4CrNi 18 10, X6CrNiTi 18 10, X6CrNiNb 18 10, G-X5CrNiNb 19 10, G-X10CrNi 18 8, X5CrNiNb 18 10,
X2CrNiN 18 10, X2CrNiN18-9, GX10CrNi18-8, X6CrNiTi18-10, GX5CrNiNb19-11
AISI 347, 321,302, 304, 304L, 304LN
UNS S30400, S30403, S30453, S32100, S34700

APPROVALS

CE

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF WELD METAL (%)

C	Si	Mn	P	S	Cr	Ni	Nb
0.03	0.8	0.8	0.015	0.01	20	10	0.24

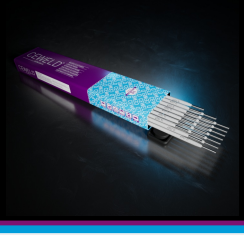
ALL WELD MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ MPa	Rm MPa	A5 (%)	Impact Energy (J) ISO-V -110°C	RT
As Welded /	400	600	35	37	60

REDRYING TEMPERATURE

300°C / 2 hr

GAS ACCORDING EN 14175



CEWELD 4551 Ti

certilas® THE FILLER METAL SPECIALIST

4551 TI 2,5 X 300MM

Type	KG/unit	EANCode
Can	2,4	8720663411662

4551 TI 3,2 X 350MM

Type	KG/unit	EANCode
Can	2,8	8720663411679

4551 TI 4,0 X 350MM

Type	KG/unit	EANCode
Can	2,7	8720663411693