

TIG Rod, stainless, high-alloyed, special applications

EN ISO 14343-A					AWS 45 9 /	AWS A5.9 / SFA-5.9					
W Z 18 16 5 Mn N L						ER317L(mod.)					
Characteris	stics an	d typical f	ields of	application		,					
CI-bearing en non-stabilized	ivironmer d and sta or deposit	nt and pitting bilized stainle ing intermed	corrosior ess and n iate layer	d.) with good resitanc n. Non magnetic. Well s on magnetic CrNiMo(N s when welding produc	uited for joining) steels / cast s	g and surfa teel grade	acing to matc s.	hing and			
Base mate	rials										
	CrNiMoN1 CrNiMoN1	7-13-3; 1.44 7-13-5; 1.45	583 – X10	CrNiMo17-13-3; 1.443 ICrNiMoNb18-12 726	8 – X2CrNiMo18	8-16-4;					
Typical ana	alysis										
	С	C Si		Mn	Cr	Ni		Мо	Ν		
wt%	% 0.01		0.4	5.5	19.0	17.2	2	4.3	0.16		
Structure: Aus	stenite, n	o ferrite									
Mechanica	l prope	rties of all-	-weld m	etal - typical value	es (min. value	es)					
Condition		Yield strength		th R _{00.2} Tensile strength R _m		Elongation A ($L_0 = 5d_0$)		Impact energy ISO-V KV J			
		MPa		MPa	%		20°C		-269°C		
`		440 (≥ 400))	650 (≥600)	35 (≥25)	35 (≥25)		120 (≥47) 75			
u untreated,	as welde	d									
Operating o	data										
× † †	Po	Polarity		DC-		Dimension mm					
. ↓ ↓		Shielding gas (EN ISO 14175) Rod marking		11 + WZ 18 16 5 Mn NL / 1.4453		1.0 × 1000					
	•					1.2 × 1000					
_ ★ ↓ ↓	nuu IIIdi Kiliy			+ WZ 10 10 3 WIII INL / 1.4433		1.6 × 1000					
✓ ↓ ↓								2.0 × 1000 2.4 × 1000			
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Approvals

TÜV (11506), DNV, CE

böhler welding