EZ - MIG 316 LSi

CLASSIFICATION

HRN EN ISO 14343-A	AWS / ASME SFA-5.9	W. Nr.
G 19 12 3 L Si	ER316LSi	1.4430

DESCRIPTION AND APPLICATION

Austenitic stainless steel solid wire for gas metal arc welding of identical and similar (stabilized and unstabilized) 17/12/2 CrNiMo steels. Low carbon content insures a good resistance to intergranular corrosion. Higher silicon content improves welding characteristics.

Steel grade	HRN	DIN (W. Nr.)	ASTM / AISI	EN / ISO
High-alloy stainless steels of austenitic type and austenitic steel cast	Č 4573	X5 CrNiMo 17 12 2 (1.4401)	316	X5CrNiMo17-12-2
	Č 45703	X2 CrNiMo 17 13 2 (1.4404)	316 L	X2CrNiMo17-12-2
	Č 4574	X6 CrNiMoTi 17 12 2 (1.4571)	316 Ti	X6CrNiMoTi17-12-2
	Č 4583	X6 CrNiMoNb 17 12 2 (1.4580)	316 Cb	X6CrNiMoNb17-12-2
	ČL 4580	G-X6 CrNiMo 18 10 (1.4408)	-	GX5CrNiMo19-11-2
	ČL 4573	G-X10 CrNiMo 18 9 (1.4410)	-	-

MECHANICAL PROPERTIES OF THE ALL-WELD METAL

$R_{p0,2}$ N/mm²	R_m N/mm²	A_5 %	KV (+20°C) J
> 320	> 510	> 25	≥ 80

APPROXIMATE CHEMICAL COMPOSITION OF THE WIRE

	C	Mn	Si	Cr	Ni	Mo
%	≤ 0,03	1,7	0,8	18,5	12,0	2,6

SHIELDING GAS

M12 (Ar + 2,5% CO_2) or M13 (Ar + 1 to 3% O_2)

PACKAGING

Wire diameter mm	Winding
0,6; 0,8; 1,0; 1,2; 1,6	precision-wound (S-S)
15 kg - wire spool	

APPROVALS

TÜV