

EN ISO 14343-A: W 19 9 L  
 EN ISO 14343-B: SS308L  
 AWS A5.9: ER308L  
 W. No.: 1.4316

## BÖHLER EAS 2-IG

GTAW rod, high-alloyed,  
 chemical resistant

### Description

GTAW rod of type W 19 9 L / ER308L suitable not only for standard welding jobs but also for cryogenic applications down to -269°C.

Good welding and wetting characteristics of BÖHLER EAS 2-IG as well as corrosion resistance up to +350°C is achieved.

### Typical Composition of Welding Rod

	C	Si	Mn	Cr	Ni
wt-%	≤0.02	0.45	1.8	20.0	10

### Mechanical Properties of All-weld Metal

	u	
yield strength $R_e$ N/mm <sup>2</sup> (MPa):	<b>400</b>	(≥320)
tensile strength $R_m$ N/mm <sup>2</sup> (MPa):	<b>550</b>	(≥520)
elongation A ( $L_0=5d_0$ ) %:	<b>38</b>	(≥35)
impact work ISO-V KV J	+20°C: <b>150</b>	(≥100)
	-269°C: <b>75</b>	(≥35)

u untreated, as-welded – shielding gas Argon

### Operating Data



shielding gases: **100% Argon**  
 rod marking:  
 front: **W 19 9 L**  
 back: **ER 308 L**

ø mm  
 1.6  
 2.0  
 2.4  
 3.0



### Base Materials

1.4306 X2CrNi19-11, 1.4301 X5CrNi18-10, 1.4311 X2CrNi18-10, 1.4312 GX10CrNi18-8,  
 1.4541 X6CrNiTi18-10, 1.4546 X5CrNiNb18-10, 1.4550 X6CrNiNb18-10

AISI 304, 304L, 304LN, 302, 321, 347; ASTM A157 Gr. C9; A320 Gr. B8C or D

### Approvals and Certificates

TÜV-D (00145.), DB (43.014.08), DNV (308L), GL (4550), SEPROZ, NAKS, CE

### Same Alloy Filler Metals

SMAW electrode:	FOX EAS 2	GMAW flux cored wire:	EAS 2-FD
	FOX EAS 2-A		EAS 2 PW-FD
	FOX EAS 2-VD		EAS 2 PW-FD (LF)
GMAW solid wire:	EAS 2-IG (Si)	SAW combination:	EAS 2-UP/BB 202
		Metal cored wire:	EAS 2-MC