

BW-308LSi

Professional Welding Wire
High quality stainless steel GMAW wire.

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Specifications: AWS/ASME-SFA A5.9: ER308LSi.

Applications & Features

BW-308LSi is a stainless steel Mig welding wire. Weld metal is austenite structure with 20%Cr-9%Ni. It is suitable for welding thin plate of 18%Cr-8%Ni stainless steel with high travel speed, such as AISI 301, 302, 304, 304L and 308 steel.

Characteristics

Smooth beads, better weldability and puddle fluidity.
Superior crack and corrosion resistance due to moderate ferrite content.

Notes on Usage

Use Argon mixed gas with 1-2% O₂ for high current spray transfer welding.

Use Argon mixed gas with 1-2% CO₂ for low current short circuit transfer welding.

Approvals:

TUV, ABS, BV, CWB

Part Numbers

P/N: 2029 (0.9mm 15kg Spool)

P/N: 2030 (1.2mm 15kg Spool)



Typical chemical composition of weld metal (wt%): (Shielding Gas: Ar+1%O₂)

C	Si	Mn	P	S	Cr	Ni
0.022	0.85	1.62	0.015	0.008	19.91	10.03

Typical mechanical properties of weld metal : (Shielding Gas Ar+1%O₂)

Tensile Strength N/mm ² (kgf/mm)	Yield Strength N/mm ² (kgf/mm)	Elongation %
550(56.1)	400 (40.8)	43

Size & suggested operating range: (DC+):

Operating Range		2029 (0.9mm)	2030 (1.2mm)
Ar+1-2% CO ₂	Amp	60-140	100-210
	Volt	15-21	17-22
Ar+1-2% O ₂	Amp	170-260	200-300
	Volt	24-30	24-30