STAINLESS STEEL SOLID WIRE

Lincoln MIG 307

CLASSIFICATION

AWS A5.9 - ER307* * Nearest classification ISO 14343-A - G 18 8 Mn

GENERAL DESCRIPTION

Solid wire for welding Steel with difficult weldability Often used as a buffer layer in hardfacing applications



CHEMICAL	COMPOSITI	ION (W%) TY	PICAL WIRE	
С	Mn	Si	Cr	Ni
0.07	7.1	0.8	18.6	8.0

MECHANICAL PROPERTIES, TYPICAL, ALL WELD METAL

	Shielding		0.2% proof strength	Tensile strength	Elongation	Impact ISO-V(J)	
	gas	Condition	(N/mm²)	(N/mm²)	(%)	+20°C	
Typical values	M12	AW	400	630	40	80	

MATERIALS TO BE WELDED

Various steel grades, such as:

Armour plate

· Hardenable steels including steels difficult to weld

Non-magnetic steels

· Work hardening austenitic manganese steels

· Dissimilar joints (CMn-steels to stainless steels)

Exhaust systems

PACKAGING AND AVAILABLE SIZES

Diameter (mm)	0.8	1.0	1.2		
Unit: 15 kg spool BS300	Х	Х	Х		
200 kg Accutrak drum		Х	Х		
Other sizes and packaging on request					

Lincoln MIG 307 rev. EN 03



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