

Gas Metal Arc Welding

MS M-316J1L Solid Wires for Stainless Steel

Applications Suitable for welding of 316J1L stainless steel.

Brand Name		MS M-316J1L							
Representative of diameter (mm)	0.8	0.9	1.0	1.2	1.6	-	-	-	-
Chemical composition of wire (%)	C	Si	Mn	P	S	Ni	Cr	Mo	Cu
	0.030	≤ 0.65	1.0 - 2.5	≤ 0.03	≤ 0.03	11.0 - 14.0	18.0 - 20.0	2.0 - 3.0	1.0 - 2.5
Mechanical property of deposited metal									
Tensile strength	≥ 510 N/mm ²								
0.2% Offset strength	≥ 205 N/mm ²								
Elongation	≥ 35 %								
Impact test	NA								
Welding position	Horizontal/Flat position								
Welding polarity	DC-EP								
Shielding gas	98%Ar - 2%O ₂								
Welding current	Dia.0.8 mm	Dia.0.9 mm	Dia.1.0 mm	Dia.1.2 mm	Dia.1.6 mm				
	80-180A	120-200A	140-250 A	170-300 A	200-350A				
Packing	12.50 kgs standard other packing weight can be provided upon request.								