

Gas Tungsten Arc Welding

JIS Z3321 Y312
 AWS A5.9 ER312
 DIN 8556-SG 1.4337

MS T-312 Filler Rod for Stainless Steel

Applications Suitable for welding of dissimilar metals such as stainless steel, carbon steel and low alloy steel. MS M-312 has excellent usability and weldability. Owing to the austenite structure containing large contents of ferrite, MS M-312 has good crack resistibility.

Brand Name		MS T-312								
Representative of diameter (mm)	1.0	1.2	1.6	2.0	2.4	2.6	3.2	4.0	5.0	
Representative of length	1000 mm Standard or 950 mm Upon requested									
Chemical composition of wire (%)	C	Si	Mn	P	S	Ni	Cr	Mo	-	
	≤ 0.15	≤ 0.65	1.0-2.5	≤ 0.03	≤ 0.03	8.0-10.5	28.0-32.0	-	-	
Mechanical property of deposited metal										
Tensile strength	≥ 540 N/mm ²									
0.2% Offset strength	≥ 225 N/mm ²									
Elongation	≥ 35 %									
Impact test	NA									
Welding position	All position									
Welding polarity	DC-EN									
Shielding gas	Ar									
Welding current	Dia. 1.2 mm		Dia. 1.6 mm			Dia. 2.4 mm				
	30-80 A		40-120 A			50-150 A				
Packing										
Inner case weight (kg)	5.00									