

M-316

AWS ER316
JIS Y316

FOR STAINLESS STEEL

Typical applications

Welding of stainless steel of 18%Cr-12%Ni-Mo types (STS316)

The low ferrite content improves the crack-resistance and corrosion-resistance.

Typical chemical composition of wire (%)

C	Si	Mn	Ni	Cr	Mo
0.04	0.40	1.62	12.10	18.40	2.3

Typical mechanical properties of all-weld-metal

Shielding Gas	T · S N/mm ² {kgf/mm ² }	El (%)	IV (J)
Ar+2%O ₂	580 {59}	38	0°C:100, 196°C:50

Package

Dia. (mm)	0.8	0.9	1.0	1.2	1.4	1.6
Spool. (kg)	5, 12.5, 20					
Pailpack.(kg)	200, 250			200, 250, 300		

Approved by