



MIG 317 L



Standards

AWS 5.9
ER 317L

EN ISO 14343-A
G 19 13 4 L

W. Nr.
1.4438

Description & applications

Filler metal in solid wire spools for MIG welding of austenitic stainless steels with high Molybdenum content type 317L, 316L ou similar. The high Molybdenum content insures a very good resistance to localized corrosion such as pitting & crevice corrosion, particularly in the presence of chlorides. Grade 317L is frequently used in the aggressive environments of petrochemical and pulp & paper industries. Also, this grade exhibits a good creep resistance up to 400 °C .

Typical chemical composition(%)

Cmax	Mn	Si	Cr	Ni	Mo	S max	P max	Fe
0.02	1.7	0.5	19.0	13.5	3.5	0.02	0.02	Base

Typical mechanical properties of all-weld metal

Rm	Rp 0,2	A5	KV-196°C
600 MPa	400 MPa	37 %	50 J

Operating parameters

Shielding gas recommendations :

EN ISO 14175 M12 : Argon+2-3 % CO2 or Argon+1- 2% O2 / 12-18l/mn

