

ROYAL ER 317L (ER 317L)

AWS –SFA A 5.9 ER 317L

Applications

It is used for welding of AISI 317 , ASME 317L type of plate sheet, pipes tubes used in fabricating equipments for chemical, pharmaceutical, Dairy & fertilizer, Industries, Oil Refineries, Specially used for root run .

Characteristics on Usage

This wire rods with low carbon content confirms to AWS – SFA 5.9 ER 317L class. The weld metal is very good resistant to inter granular corrosion without the use of stabilizer such as Niobium or titanium; free from porosity & molten pool. The weld metal is of controlled ferrite & with stand working temp up to 300 C Scale resistant up to 800 C.

Chemical Composition Of Weld Metal

C%	Mn%	Si%	S%	P%	Cr %	Ni %	Mo
0.030 Max	1.0 - 2.50	0.30 - 0.65	0.030 Max	0.030 Max	18.5 - 20.5	13.0 - 15.0	3.0 -

Mechanical Properties Of Weld Metal

U.T.S. (N/mm ²)	ELONGATION (L = 4d) %
520 Min	30 % Min

Packing

Each Packets content 5 kg of Wire Rods having length 500 mm.,1000mm.