

**ROYAL –ER 309L (ER 309L )**

AWS- SFA A 5.9 ER 309L

**Applications**

Suitable for welding of dissimilar steel combination such as AISI 304 to carbon manganese steel and carbon steel used in fabrication barrier layer prior to surfacing & clad reparation specially used for root run.

**Characteristics on Usage**

This wire rods with low carbon content confirms to AWS – SFA 5.9 ER 309L class. The weld metal is free from porosity with good finish.

**Chemical Composition Of Weld Metal**

C%	Mn%	Si%	S%	P%	Cr %	Ni %	Mo
0.030Max	1.00 – 2.50	0.30 – 0.65	0.03 Max	0.03 Max	23.0 – 25.0	12.0– 14.0	0.75

**Mechanical Properties Of Weld Metal**

U.T.S.	ELONGATION	Identification Mark
(N/mm <sup>2</sup> )	( L = 4d ) %	
520	30 % Min	Tip colour Green

**Packing**

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