

# ROYAL – ER316 (ER 316)

AWS- SFA A 5.9 ER 316 EN ISO 14343 A G/W 19 12 3

## Applications

It is used for welding AISI 316, ASTM 316 type of Stainless Steel plate, Sheets, Pipes, Tubes etc. Used in fabricating Equipments for dairy, Pharmaceutical ,Chemical & Fertilizer Industries, Oil refineries, Specially use for root run.

## Characteristics on Usage

This wire rods confirms to AWS – SFA 5.9 ER 316 class. The weld metal is very good resistant to inter granular corrosion free from porosity & moltan pool. The weld metal is of controlled ferrite & with stand working temp up to 300°C  
Scale resistant up to 800°C.

## Packing

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

MIG TIG WIRES

## Chemical Composition Of Weld Metal

C%	Mn%	Si%	S%	P%	Cr %	Ni %	Mo %
0.080Max	1.00 – 2.50	0.30 – 0.65	0.03 Max	0.03 Max	18.0 – 20.0	11.0– 14.0	2.0 - 3.0

## Mechanical Properties Of Weld Metal

U.T.S. (N/mm <sup>2</sup> )	ELONGATION ( L = 4d ) %	Identification Mark
490	30	Tip color Blue