

# ROYAL –ER 312 (ER 312)

AWS –SFA A 5.9 ER 312

## Applications

It is suitable for welding Automobile spring, trunnions of cement mill & other allied components, parts subject to corrosion & impact. Joining & Surfacing of High Carbon, low & high alloy steel, tool steel, spring steel, manganese steel, case hardening steel, high speed steel, cast steel etc.

## Characteristics on Usage

This wire rods conform to AWS/SAF 5.9 ER 312 Class. The Weld metal is free from porosity and any welding defects. It is used for welding of dissimilar steel combination.

## Packing

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

MIG TIG WIRES

## Mechanical Properties Of Weld Metal

| U.T.S.<br>(N/mm <sup>2</sup> ) | ELONGATION<br>( L = 4d ) % | Identification<br>Mark |
|--------------------------------|----------------------------|------------------------|
| 680 – 780                      | 19 – 25%                   | Embossing<br>each rod  |