

**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.

**Mechanical Properties Of Weld Metal**

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

**Packing**

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