

ROYAL – D2 L (BASIC) (E 309L – 15)

AWS : SFA 5.4, E 309L - 15 IS : 5206 E 23, 12 LB 20 EN ISO 3581 A E 22 12 LB 22

Applications

Recommended for AISI 309 grade of stainless steel and straight chrome steel for joining clad steel, low alloy steel and carbon steel.

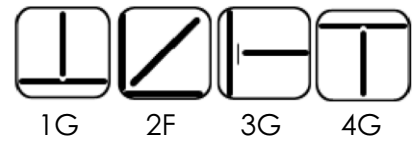
Characteristics on Usage

A low carbon medium heavy coated basic type all position electrode yielding 25 Cr 12 Ni stainless steel weld deposit. This is characterized by excellent all round performance and metal properties including resistance to chemical corrosion. Temperatures upto 1100°C suitable for steel containing 22 - 26 % Cr and 11 - 14 % Ni and also for joints between 18 Cr. 8 Ni stainless steel and mild steel or low alloy steel.

Notes On Usage

- ☞ Dry the electrodes at 350oC for 60 minute before use
- ☞ keep the current as low as possible

Welding Positions



Packing

Vaccum packing

STAINLESS STEEL ELECTRODES

Chemical Composition Of Weld Metal

C%	Mn%	Si%	S%	P%	Cr %	Ni %	Mo%
0.040 Max	0.50- 2.50	1.00 Max	0.030 Max	0.040 Max	22.0 - 25.0	12.0 - 14.0	0.75 Max

Mechanical Properties Of Weld Metal

U.T.S. (N/mm ²)	ELONGATION (L = 4d) %
540 – 640	36 – 45 %

Packing and Welding Current

SIZE (mm)	KG PER PACKET	KG PER CARTON	Current (Amps)	In Amps
2.50 x 350	2	10	DC (+)	45-85
3.15 x 350	2	10		85-115
4.00 x 350	2	10		100-140
5.00 x 350	2	10		135-180