



# AUSTOMANG 240

STAINLESS STEEL (Austenitic Manganese Steel)

AWS A/SFA 5.4 **E240-16**

### CLASSIFICATION:

ISO 3581-B  
ES240-16

### KEY FEATURES:

- Rutile type electrode
- High strength, toughness and cracking resistance
- Resistance to wear in particle-to-metal and metal-to-metal (galling) applications
- Nitrogen-strengthened austenitic stainless steel alloy
- Smooth arc characteristics
- Easy slag removal
- All position welding capability
- Radiographic quality weld

### APPROVALS: CE

### TYPICAL APPLICATIONS:

- Welding of AISI Type 240 and 241 base metals
- Joining dissimilar alloys like mild steel and the stainless steels
- Direct overlay on mild steel for corrosion applications
- Equipments used at high temperature applications



### TYPICAL CHEMICAL COMPOSITION OF UNDILUTED WELD METAL, Wt %:

C	Mn	Si	Cr	Ni	N
0.05	12.3	0.9	18.3	5.2	0.2

### MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	UTS, MPa	EL%
Specification	As Welded	690 min	15 min

### PARAMETERS - PACKING DATA:

Ø x L, mm	Amperage, A	
2.5 x 350	60-80	 <b>AC (70 OCV) /DCEP</b> <span style="float: right;">Flat butt and fillet welds only</span>  <b>REDRYING CONDITION:</b> 250-300°C for minimum 1 hr.
3.15 x 350	80-120	
4.0 x 350	110-160	
5.0 x 450	150-200	

Available in Standard carton packing of 10 kg box containing 5 cartons of 2 kg each.