



# NICALLOY Mo-5

NON FERROUS (Ni Alloys)

AWS A/SFA 5.11 ENiCrMo-5

### CLASSIFICATION:

ISO 14172

E Ni 6275 (NiCr15Mo16Fe5W3)

IS 8736

E NiCrMo-5

### KEY FEATURES:

- Basic coated
- Ni based Cr-Mo-W alloyed deposit
- Works smoothly with negligible spatter
- Low dilution with base metal
- Gives 150% weld metal recovery
- Reduces carbon diffusion at high temperature

APPROVALS: CE

### TYPICAL APPLICATIONS:

- High grade welding of high Mo nickel base alloys e.g. Inconel 625/800
- Hardfacing on machine components and tools subjected to corrosion and heat
- Suitable for welding/surfacing of tong jaws of the slab handling cranes
- Joining Cr-Ni steels high in Mo Surfacing steel clad with a Ni-Cr-Mo alloy


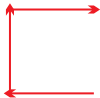
### TYPICAL CHEMICAL COMPOSITION OF UNDILUTED WELD METAL, Wt %:

C	Mn	Si	Fe	Ni	Cr	Mo	W
0.03	0.6	0.2	6.0	59	15.5	15.7	3.5

### MECHANICAL PROPERTIES OF ALL WELD METAL:

	Condition	UTS, MPa	EL%
Specification	As Welded	690 min	25 min

### PARAMETERS - PACKING DATA:

Ø x L, mm	Amperage, A		
2.5 x 350	45 - 70	 AC (70 OCV)/DCEP	All Positions, except vertical Down 
3.15 x 350	80 - 100		
4.0 x 350	90 - 130		
		<b>REDRYING CONDITION:</b> 250-300°C for minimum 1 hr.	

Available in packing of 10 kg box containing 10 plastic cartons of 1 kg each.