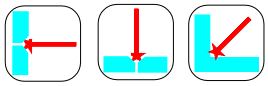
MX 300 E

AWS A5.6: E CuMnNiAl DIN 1733: EL-CuMn14Al

DESCRIPTION

MX 300 is a high-strength copper alloy suitable for joining and rebuilding aluminium bronzes, coating on cast iron and steel. High resistance to corrosion, erosion and cavitation. It is commonly used in marine environments but also for power and chemical plants. Especially for ship propellers, slide rails, raceways, valve control housings, pumps. The electrode has excellent weldability, stable arc and easy slag release.

WELDING POSITIONS	CURRENT	COATING
	DC+	Basic

BASE MATERIALS

Aluminium bronzes, steel, cast iron

MECHANICAL PROPERTIES

Rm (MPa)	*Rp0,2 (MPa)*	*Elongation (%)*	*Hardness(HB)*
640	400	>20	200

WELD METAL COMPOSITION(%)

Cu	Al	Ni	Fe	Mn
Rest	7,0-8,5	1,5-3,0	2,0-4,0	11,0-14,0

PACKAGING

Dimension (mm)	2,5x350	3,2x350	4,0x350		
Box (kg)	5/15	5/15	5/15		
Current (A)	60-80	80-100	90-120		

EQUIVALENT FILLER METALS

TIG	Meltolit MX 300 Tig
MIG	Meltolit MX 300 Mig