

RWMA CLASS 1, 2, & 3 WELDING



BAYWAY OPERATIONS

These high-strength/high-conductivity alloy rods and bars are used extensively as the base material for resistance welding electrodes and related welding components. All products meet RWMA (Resistance Welder Manufacturers Association) standards.

RWMA products are offered in Round Rods from .250" to 3.650" diameter; in Square Bars from .375 to 2.500 Sq., and a broad range of rectangular configurations and hexagonal sizes,

Freeport-McMoRan Bayway Operations manufactures these products in the following alloys:

- C 18000 RWMA CLASS 3 (Beryllium Free)
- C 18200 RWMA CLASS 2
- C 18150 RWMA CLASS 2
- C 16200 RWMA CLASS 1

GROUP A COPPER-BASED ALLOYS FULLY HEAT-TREATED CONDITION			ROUND ROD-COLD WORKED			SQUARE, RECTANGLE HEX- COLD WORKED		IACS
RWMA CLASS	PRODUCT CDA/UNS	CHEMISTRY	TEMPER UP TO 1"	TEMPER 1"-2"	TEMPER 2-3"	TEMPER UP TO 1"	TEMPER OVER 1"	
CLASS 1	C16200	CADMIUM COPPER	Rb 65	Rb 60	Rb 55	Rb 55	Rb 50	80% MIN
CLASS 2	C18150	CHROMIUM/ZIRCONIUM COPPER	Rb 75	Rb 70	Rb 65	Rb 70	Rb 65	75% MIN
CLASS 2	C18200	CHROMIUM COPPER	Rb 75	Rb 70	Rb 65	Rb 70	Rb 65	75% MIN
CLASS 3	C 18000	CHROMIUM/NICKEL/SILICON COPPER	Rb 90	Rb 90	Rb 90	b 90	Rb 90	45% MIN