



Class 2 Chromium Copper (18200)

RWMA Class 2 Copper
UNS C18200

Class 2 Alloy is a superior resistance welding electrode material specifically recommended for high level production spot and seam welding of clean mild steel, low alloy steel, low conductivity brasses and bronzes.

Suitable for projection welding dies, seam welder shafts and bearings, flash and butt dies and current carrying structural members.

Available as high strength and high electrical conductivity casting for such use as gun welder arms, welder platen and secondary structural members. Class 2 is also heat treatable.

CHEMICAL COMPOSITION

RWMA CLASS	RWMA NUMBER	DESCRIPTION	FE	W	CD	NI	CO	CR	SI	BE	PB	ZR	AL	CU
2	18200	CHROMIUM COPPER	.10					.6 – 1.2	.10 max		.05 max			REM

PHYSICAL PROPERTIES

HARDNESS ROCKWELL B	CONDUCTIVITY % I.A.C.S.	YIELD STRENGTH KSI (5% EXT UNDER LOAD)	ULTIMATE TENSILE STRENGTH	ELONGATION % IN 2" OR 4" DIAMETERS
70 – 83	80-85%	55	65	13%