

● ALUMINOTHERMIC WELDING - MOLDS

Characteristics

- The aluminothermic welding uses high-temperature chemical reaction between copper oxide and aluminum, to weld parts (cable / cable, etc.) within a graphite mold. Can be welded by this process, copper / copper or copper / regular steel, stainless steel or galvanized, as well as rails, bronze, brass, etc.
- The aluminothermic mixture is contained in the same cartridge (color cap) with the respective charge (black top) for igniting the mixture. Along with these, metal discs that prevent leakage of the mixture through the hole of the mold are provided.
- The respective molds and cartridges are chosen in the following tables, as well as tweezers and raspadores.
- The molds are made of graphite, heat resistant material and can be normal or mini. Normal allow between 70 to 100 welds, mini between 25 and 30 welds.
- Mini molds are commonly used for copper connections / helisteel, wherein helisteel is already in a structure and uses a special clamp together with a fiberglass board. In case of using ordinary copper molds for welding / helisteel and since the molds are composed of three parts, a pinch clamp beyond the normal gripper is required.

● TYPE 'CR' MINI MOLDS AND ACCESSORIES

Cartridge	Reference
C-45	M/CR-PH 10-40/25
C-45	M/CR-PH 10-40/35
C-90	M/CR-PH 10-40/50
C-90	M/CR-PH 10-40/70
C-90	M/CR-DP 10-40/50
C-90	M/CR-DP 10-40/70
	TSC 50R tweezer
	Gasket



● OTHER MINI MOLDS AND ACESSORIES

Cartucho	Referência
C-45	M/CC-TH 35/35
C-65	M/CC-TH 35/50
C-90	M/CC-TH 50/50
C-65	M/CC-X 35/35
C-90	M/CC-X 35/50
C-90	M/CC-X 50/50
C-90	M/CP-T 58/50
	TSC-50 tweezer