



Expert Materials for High Conductivity Applications in the Steel Industry

AMPCOLOY® offers a diverse selection of copper alloys suitable for applications requiring enhanced electrical and thermal conductivity. These include beryllium-free copper, beryllium copper, CuCrZr alloys in RWMA classes 2, 3, 4 and intricate shape parts in pure copper.



	Alloy	* Hardness Brinell (HBW)	* Elongation %	* Tensile Strength Rm (Mpa)	* Electrical Conductivity % IACS	* RWMA Class	Usage
AMPCOLOY® ALLOYS	AMPCOLOY® 83	360	5	1140	22%	4	Resistance welding for coiler joining
	AMPCOLOY® 940	210	12	648	48%	3	Spot Welding Electrode, welding wheels
	AMPCOLOY® 88	250	14	760	48%	3	Resistance welding for coiler joining
	AMPCOLOY® 972	135	18	440	86%	2	Spot Welding Electrode, welding wheels

* Nominal values



Tuyere



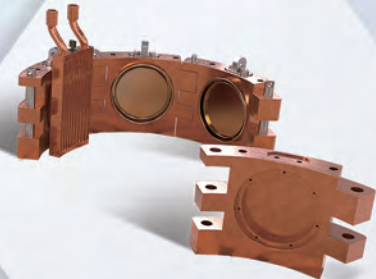
Staves



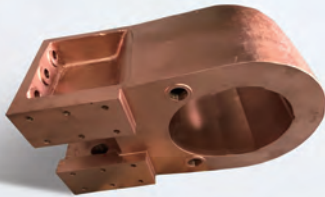
Cooling Plates



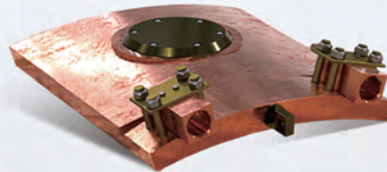
Tuyere Cooler



Pressure Ring



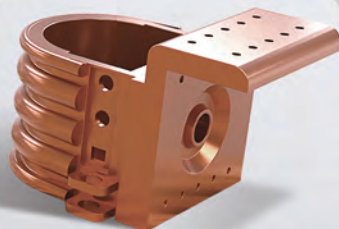
Electrode Holder



Cooling Plates



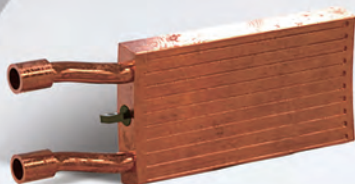
Pressure Ring



Electrode Holder



Contact Plates



Contact Plates



Oxygen Lance Tip

Copper purity : Up to 99%
 % IACS : Up to 99%
 Leak Testing : Up to 20 bar



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