Konkola Copper Mines plc

Product Brochure

Konkola Copper Mines Plc

A subsidiary of Vedanta Resources Plc

Copper Anodes

For Electrolytic Refining

HS Code: 74020000 / 74020090



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Production Process



Copper Anodes are produced through the smelting process of Copper Concentrates at the Nchanga Smelter located in Chingola, Zambia. The Nchanga Smelter uses direct to blister technology to produce copper anodes in a Flash Smelting Furnace (FSF)

Chemical Specifications



ELEMENT	MINIMUM	MAXIMUM	UOM
Copper (Cu)	99.5	-	%
Oxygen (0_2)	1500	2500	ppm
Arsenic (AS)	450	750	ppm
Molar Ratio	2.5	3.5	ppm
Antimony (Sb)	-	1	ppm
Bismuth (B)	-	300	ppm
Nickel (Ni)	-	500	ppm
Iron (Fe)	-	50	ppm
Sulphur (S)	-	50	ppm
Lead (Pb)	-	300	ppm
Tellurium (Te)	-	1	ppm
Selenium (Se)	-	100	ppm
Silver (Ag)	-	150	ppm

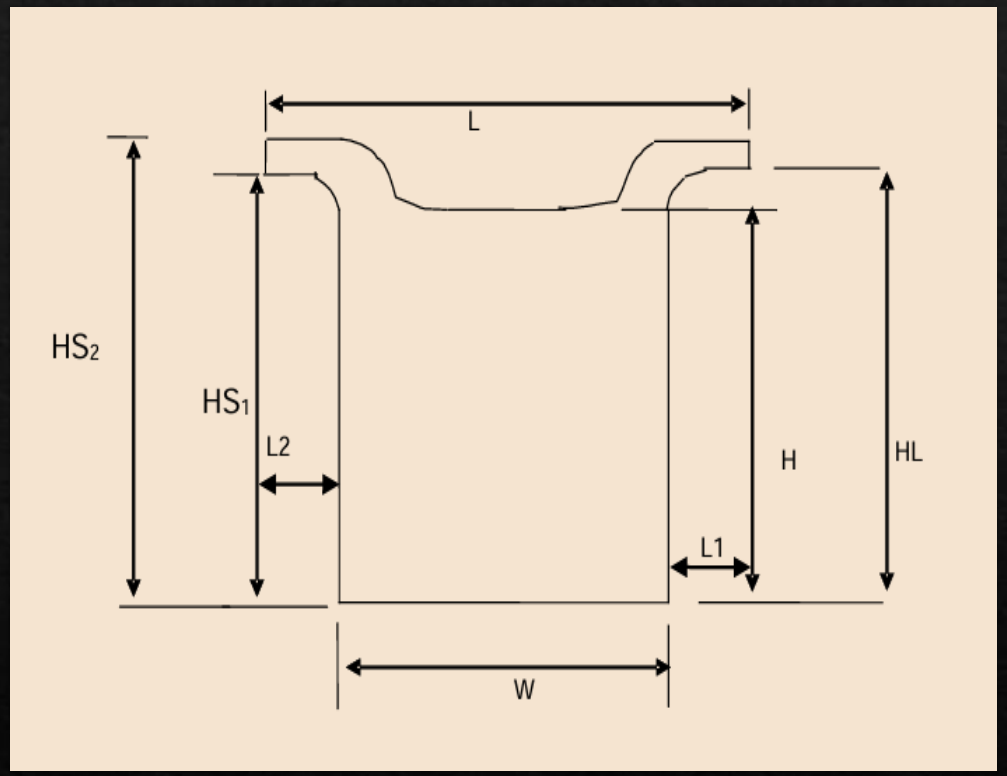
PAS 99:2012 IMR 580701 ISO 9001:2015 ISO 14001:2015 ISO 45001:2018

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Physical Specifications

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DIMENSIONS	COMMERCIAL ANODES	STRIPPER ANODES
L	1175 +5 /-5mm	1175 +5 /- 5mm
L1	170 +0 /-5mm	145 +0 /-5mm
L2	130 +0 /-5mm	95 +0 /-5mm
H	920 ± 5mm	985 ± 5mm
HL	990 ± 5mm	1060 ± 5mm
HS1	1015 ± 5mm	1085 ± 5mm
HS2	1065 ± 5mm	1130 ± 5mm
W	880 ± 5mm	945 ± 5mm
Anode Lug Thickness	44 ± 4mm	36 ± 4mm
*Anode Thickness (Body)	44 ± 4mm	36 ± 4mm
*Anode Weight	285 ± 5Kg	305 ± 5Kg
Projections/rolled edges tolerance/blade straightness variations	5mm Max	5 mm Max
Anode Taper (Reverse)	0	0



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