

COPPER BASE COMPONENTS



Brand ID	Metal Grade	Chemical Composition (Weight%)									Application	Reference Standard
		Al	Fe	Mn	Si	Ni	Pb	Sn	Zn	Cu		
HCS CuAlNi	Cu402	9	4	1.2	--	4.5	--	--	--	Bal	For seawater and oxygen valve.	ASTM B148 C95800
HCS CuAl	Cu403	10	1	--	--	--	--	--	--	Bal	Used in seawater	ASTM B148 C95300
HCS Cu408	Cu408	--	--	--	--	1	1.5	6	4	Bal	For Oil pumps, gears, bushings, valves, etc.	ASTM B61 C92200
HCS Cu409	Cu409	--	1.5	1	0.15	25	2	5	2	Bal	For Regulating ring of safty valve in steam environment.	ASTM B584 C97800
Cu410M	Cu410M	--	--	--	--	2	1.5	10	2	Bal	For marine valves, wear-resistant heavy-duty bearings, gears, pump plungers, elevator components	GB/T 1176 ZCSn10Zn2/10-2
HCS Cu4111	Cu411	--	--	--	--	1	5	5	5	Bal	For low pressure valve, pipe fittings, petroleum pipe fittings, fire fighting accessories, pinion gears, small pump parts	ASTM B62 C83600