

Table 4: Wrought Copper Alloys – Conversion of Old BS into EN Material Designations
(These are arranged broadly in increasing order of alloying content)

Nearest Old BS Equivalent	EN Material Designation		Table No
	Symbol	Number	
Heat-treatable Alloys			8
CB101	CuBe1.7	CW100C	
-	CuBe2	CW101C	
-	CuBe2Pb	CW102C	
-	CuCo1Ni1Be	CW103C	
C112	CuCo2Be	CW104C	
-	CuNi2Be	CW110C	
CC101	CuCr1	CW105C	
CC102	CuCr1Zr	CW106C	
C113	CuNi1P	CW108C	
-	CuNi1Si	CW109C	
-	CuNi2Si	CW111C	
-	CuNi3Si1	CW112C	
-	CuZr	CW120C	
Non Heat-treatable Alloys – Free Machining			8
-	CuPb1P	CW113C	
C109	CuTeP	CW118C	
C111	CuSP	CW114C	
Non Heat-treatable Alloys – Other			8
-	CuFe2P	CW107C	
-	CuSi1	CW115C	
CS101	CuSi3Mn	CW116C	
-	CuSn0.15	CW117C	
-	CuZn0.5	CW119C	
C108	CuCd	-	
-	CuCd0.7	CW130C	
-	CuCd1.0	CW131C	
Copper-tin (Phosphor Bronze)			10
PB101	CuSn4	CW450K	
PB102	CuSn5	CW451K	
PB103	CuSn6	CW452K	
PB104	CuSn8	CW453K	
-	CuSn8P	CW459K	
-	CuSn4Pb2P	CW455K	
-	CuSn4Te1P	CW457K	
-	CuSn5Pb1	CW458K	
-	CuSn8PbP	CW460K	
-	CuSn3Zn9	CW454K	
-	CuSn4Pb4Zn4	CW456K	
Copper-zinc (Brass)			10
CZ125	CuZn5	CW500L	
CZ101	CuZn10	CW501L	
CZ102	CuZn15	CW502L	
CZ103	CuZn20	CW503L	
-	CuZn28	CW504L	
CZ106	CuZn30	CW505L	
-	CuZn33	CW506L	
CZ107	CuZn36	CW507L	
CZ108	CuZn37	CW508L	
CZ109	CuZn40	CW509L	
Copper-zinc-lead Alloys (Leaded Brasses)			11
CZ104	-	-	
CZ124	CuZn36Pb3	CW603N	
CZ121Pb4	CuZn38Pb4	CW609N	
CZ121Pb3	CuZn39Pb3	CW614N	
CZ122	CuZn40Pb2	CW617N	
CZ119	CuZn37Pb2	CW606N	
CZ131	CuZn37Pb2	CW606N	
CZ120	CuZn38Pb2	CW608N	
CZ128	CuZn38Pb2	CW608N	
CZ120	CuZn39Pb2	CW612N	
CZ128	CuZn39Pb2	CW612N	
CZ118	CuZn35Pb1	CW600N	
CZ119	CuZn35Pb2	CW601N	
CZ131	CuZn35Pb2	CW601N	
-	CuZn38Pb1	CW607N	
CZ123	CuZn39Pb0.5	CW610N	
CZ137	CuZn39Pb0.5	CW610N	
CZ129	CuZn39Pb1	CW611N	
CZ132	CuZn36Pb2As	CW602N	
-	CuZn39Pb2Sn	CW613N	
-	CuZn40Pb2Sn	CW619N	
-	CuZn39Pb3Sn	CW615N	
-	CuZn40Pb1Al	CW616N	
-	CuZn40Pb2Al	CW618N	
-	CuZn41Pb1Al	CW620N	

Nearest Old BS Equivalent	EN Material Designation		Table No
	Symbol	Number	
Copper-zinc-lead Alloys (Leaded Brasses) – continued			11
-	CuZn42PbAl	CW621N	
-	CuZn43Pb1Al	CW622N	
CZ130	CuZn43Pb2Al	CW624N	
CZ130	CuZn43Pb2	CW623N	
-	CuZn37Pb0.5	CW604N	
-	CuZn37Pb1	CW605N	
Copper-zinc Alloys (Special Brasses) – (Corrosion Resistant Alloys)			12
CZ127	CuZn13Al1Ni1Si1	CW700R	
CZ110	CuZn20Al2As	CW702R	
CZ111	CuZn28Sn1As	CW706R	
CZ126	CuZn30As	CW707R	
CZ105	CuZn30As	CW707R	
-	CuZn38AlFeNiPbSn	CW715R	
-	CuZn38Sn1As	CW717R	
-	CuZn32Pb2AsFeSi	CW709R	
CZ134	CuZn36Pb2Sn1	CW711R	
CZ112	CuZn36Sn1Pb	CW712R	
CZ113	-	-	
-	CuZn37Pb1Sn1	CW714R	
CZ133	CuZn39Sn1	CW719R	
High Tensile Brasses			12
-	CuZn23Al6Mn4Fe3Pb	CW704R	
CZ116	CuZn25Al5Fe2Mn2Pb	CW705R	
-	CuZn35Ni3Mn2AlPb	CW710R	
CZ114	CuZn40Mn1Pb1AlFeSn	CW721R	
CZ115	CuZn40Mn1Pb1FeSn	CW722R	
-	CuZn31Si1	CW708R	
CZ135	CuZn37Mn3Al2PbSi	CW713R	
-	CuZn39Mn1AlPbSi	CW718R	
Other Brasses			12
-	CuZn19Sn	CW701R	
-	CuZn23Al3Co	CW703R	
-	CuZn38Mn1Al	CW716R	
CZ136	CuZn40Mn1Pb1	CW720R	
-	CuZn40Mn2Fe1	CW723R	
Copper-aluminium (Aluminium Bronze)			9
-	CuAl5As	CW300G	
CA101	-	-	
CA107	CuAl6Si2Fe	CW301G	
-	CuAl7Si2	CW302G	
CA106	CuAl8Fe3	CW303G	
CA102	-	-	
CA105	CuAl9Ni3Fe2	CW304G	
CA103	-	-	
-	CuAl10Fe1	CW305G	
-	CuAl10Fe3Mn2	CW306G	
CA104	CuAl10Ni5Fe4	CW307G	
-	CuAl11Fe6Ni6	CW308G	
Copper-nickel			9
CN105	CuNi25	CW350H	
CN101	-	-	
-	CuNi9Sn2	CW351H	
CN102	CuNi10Fe1Mn	CW352H	
CN103	-	-	
CN104	-	-	
CN106	-	-	
CN108	CuNi30Fe2Mn2	CW353H	
CN107	CuNi30Mn1Fe	CW354H	
Copper-nickel-zinc (Nickel Silver)			9
NS103	CuNi10Zn27	CW401J	
NS104	CuNi12Zn24	CW403J	
NS111	CuNi12Zn25Pb1	CW404J	
-	CuNi12Zn29	CW405J	
-	CuNi12Zn30Pb1	CW406J	
NS105	-	-	
NS112	-	-	
NS113	CuNi18Zn19Pb1	CW408J	
NS106	CuNi18Zn20	CW409J	
NS107	CuNi18Zn27	CW410J	
NS108	-	-	
NS109	-	-	
-	CuNi7Zn39Pb3Mn2	CW400J	
NS101	CuNi10Zn42Pb2	CW402J	
-	CuNi12Zn38Mn5Pb2	CW407J	

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