



## Leaded Red Brass and Semi-Red Brass (% Max. unless shown as range or min.)

Family	Alloy	Cu%	Sn%	Pb%	Zn%	Fe%	Sb%	Ni%	S%	P%	Al%	Mn%	Si%	Bi%	Others
Leaded Red and Semi-Red Brasses	C83300	92.0-94.0	1.0-2.0	1.0-2.0	2.0-6.0	–	–	–	–	–	–	–	–	–	–
	C83450	87.0-89.0 <sup>B,C</sup>	2.2-3.5	1.5-2.5	5.8-7.5	0.25	0.25	0.8-1.5	0.08	0.03	0.005	–	0.005	–	–
	C83600	84.0-86.0 <sup>B,C</sup>	4.3-6.0	4.0-5.7	4.3-6.0	0.25	0.25	0.8	0.08	0.03	0.005	–	0.005	–	–
	C83800	82.0-83.5 <sup>B,C</sup>	3.5-4.2	5.8-6.8	5.5-8.0	0.25	0.25	0.8	0.08	0.02	0.005	–	0.005	–	–
	C84200	78.0-82.0 <sup>B,C</sup>	4.3-6.0	2.0-2.8	10.0-16.0	0.35	0.25	0.8	0.08	0.02	0.005	–	0.005	–	–
	C84400	79.0-82.0 <sup>B,C</sup>	2.5-3.5	6.3-7.7	7.0-10.0	0.35	0.25	0.8	0.08	0.02	0.005	–	0.005	–	–
	C84500	77.0-79.0	2.0-4.0	6.0-7.5	10.0-14.0	0.40	0.25	1.0	0.08	0.02	0.005	–	0.005	–	–
	C84800	75.0-76.7 <sup>B,C</sup>	2.3-3.0	5.5-6.7	13.0-16.0	0.35	0.25	0.8	0.08	0.02	0.005	–	0.005	–	–

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<sup>B</sup> In determining Cu minimum, can be calculated as Cu + Ni.

<sup>C</sup> Cu + sum of named elements, 99.3%.