



Black Hawk Metals

The preferred supplier of
Brass, Bronze, Cast iron & Copper.

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Letter of Conformance

Free Machining Brass – Alloy 385

All BHM material has been manufactured, tested & inspected, and is in compliance with AS/NZS
C38500 as specified below

TYPICAL CHEMICAL COMPOSITION %	
Element	Nominal
Copper (Cu)	57.50
Tin (Sn)	< 0.45
Lead (Pb)	3.25
Zinc (Zn)	Balance
Nickel (Ni)	< 0.20
Silicon (Si)	< 0.025
Aluminium (Al)	< 0.05
Phosphor (P)	< 0.02

Typical Mechanical Properties

	Up To 13mm	13mm To 50mm	Over 50MM
<i>Tensile Strength</i>	495	430	400
<i>0.2% Proof Stress (MPa)</i>	310	230	155
<i>Elongation %</i>	20	27	35
<i>Hardness HV</i>	160	135	110
<i>Shear Strength (MPa)</i>	310	280	250

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