



# Black Hawk Metals

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*The preferred supplier of  
Brass, Bronze, Cast Iron & Copper.*

## Data Sheet

### *Free Machining Brass – Alloy 385*

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

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

### **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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