

## MATERIAL DATA SHEET

### 385 BRASS

**Common Name:-** 385; Free cutting brass

**Typical Applications:-** A free cutting, high speed turning and screwing 60/40 brass conforming to AS1567 used in the manufacture of fittings and machined components on high speed CNC mills and lathes.

#### Chemical Composition %

Element		Nominal
Copper	Cu	56.0 – 60.0
Lead	Pb	2.5 – 3.0
Zinc	Zn	Balance

#### Mechanical Properties – Drawn (typical)

Ultimate Tensile Strength	380 MPa minimum
Yield Strength	200 MPa
Elongation	12 % minimum
Nominal Hardness	130 HV minimum
Machinability	100% (free machining brass = 100%)

**Similar Standards:-** UNS C38510; BS1 CZ121

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