

NON-FERROUS METALS



*Copper
Brass
Bronze
Aluminium
Cast Iron*

*Call any of our Non-Ferrous Metals Pit Crew on **Speed Dial 08610 STEEL**
or visit us at www.sovereignsteel.com*







7 8 3 3 5


Earth's fastest steel company™





SOVEREIGNSTEEL



SPEED MERCHANTS™

RED METALS	
Type	Description
Copper 	Round, flat and square bar. Electrolytic busbars and contact switchgear.
Brass - C350 	Round, flat and square bar. Free machining, architectural, industrial and hardware applications.
Brass - Q501 	Round, flat and square bar. High tensile manganese brass which is solderable.
Brass - C385 	Round, flat and square bar. Free machining, architectural, industrial and hardware applications.
Bronze - LG2 	Round, flat and square bar. General purpose, moderate strength and good machinability.
Bronze - PB1 	Round, flat and square bar. Bearings, high load capacities.

CAST IRONS	
Type	Description
G17 	Round conicast bar. Grey cast iron with a tensile of 170Mpa and low ductility

ALUMINIUM	
Type	Description
6082-T6 	Round bar - 20 to 400 mm diameter, Plate - 3 to 160 mm thick
7075-T6 	Round Bar - 20 to 160 mm diameter, Plate - 3 to 60 mm thick

CASTING ALLOYS	
Type	Description
Aluminium Alloys	A variety of aluminium alloys with silicon, magnesium and copper
Bronze Alloys	Phosphor, silicon and aluminium
Brass Alloys	A full range of alpha and alpha/beta brasses
Iron Alloys	A full range of Grey and SG Irons are available

FORMULAE			
Theoretical Calculations			
	$D \times D \times \text{Alloy Factor} = \text{kg/metre}$		$\pi D \times \text{Alloy Factor} = \text{kg/metre}$
Alloy Factors			
Copper - 0,0070136 Cast Iron - 0,0057342 Aluminium - 0,002128	Bronze - 0,0072 Brass - 0,0066522	Copper - 0,00894	Brass - 0,00847

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