

**COPPER AS-1567 -380, C38000
(RECTANGLE, SECTION BRASS)
WROUGHT PRODUCT, EXTRUDED ROD & BAR**



ABOUT

A general purpose brass produced as rectangles and sections.

EQUIVALENT TO

Britain	BS-22874 – CZ130
USA	ASTM -B455-C38000
Japan	
Germany	DIN17660-CuZn44Pb2

APPLICATIONS

- General purpose components. Golden yellow colour, for decorative purposes.

Nominal Composition	
Copper %	56.5
Lead %	2.75
Aluminium %	0.50
Zinc %	40.25

Typical Mechanical Properties		Temper: As Extruded		
		All Sizes		
Size				
Tensile	MPa	495		
0.2% Proof Stress	MPa	260		
Elongation % (5.65)		20		
Hardness	HV	135		
Shear Strength	MPa	310		

Physical Properties			Corrosion Resistance	
Melting Point °C	880	Rural Atmosphere	Excellent	
Density kg/m ³	8440	Industrial Atmosphere	Good	
Electrical Conductivity % IACS	26	Marine Atmosphere	Fair - Good	
Modulus of Elasticity MPa	103000	Sea Water	Fair	
		Drinking Water	Fair - Good	
Fabrication Data			Joining	
Machinability (brass = 100%)	90 %	Oxy- Acetylene welding	Fair	
Riveting & Peening	Not Recommended	Coated Metal Arc Welding	Not Recommended	
Thread Rolling	Not Recommended	Carbon Arc Welding	Fair	
Cold Heading	Not Recommended	Gas Shielded Arc Welding (Tig & Mig)	Fair -Good	
Bending (cold)	Fair	Soft Soldering	Excellent	
Hot Forging	Good	Silver Soldering	Fair - Good	
Hot Forging Temp °C	650			
Annealing °C	550			
Stress Relieving °C	225			