

CZ130

LEADED BRASS

DESCRIPTION

CZ130, Sectional brass, is a significantly improved form of 60/40 brass, with excellent free cutting properties.

CHEMICAL COMPOSITION

Elements	Min (%)	Max (%)
Cu	55.50	57.50
Pb	2.50	3.50
Al	-	0.50
Total Others	-	0.70
Zn	Remainder	

MECHANICAL PROPERTIES ACCORDING TO BS2874 (AS PER TEMPER M)

Range (mm)	From	To	UTS Min (N/mm ²)	PS Min	Elongation Min (%)	Hardness Min	Hardness Max
Round (Dia)	6.00	75.00	350.00	-	20.00	-	-
Hex (A/F)	6.00	70.00	350.00	-	20.00	-	-
Square (A/F)	6.00	60.00	350.00	-	20.00	-	-
Rectangle (Thickness)	6.00	50.00	350.00	-	20.00	-	-

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PHYSICAL PROPERTIES

Density	8.44 g/cm ³
Melting Point	890°C
Thermal Conductivity	109 W/m.K

FABRICATION PROPERTIES

Technique	Suitability
Soldering	Excellent
Brazing	Good
Oxyacetylene Welding	Not Recommended
Gas Shielded Arc Welding	Not Recommended
Coated Metal Arc Welding	Not Recommended
Spot Weld	Not Recommended
Seam Weld	Not Recommended
Butt Weld	Fair
Capacity for Being Cold Worked	Poor
Capacity for Being Hot Formed	Excellent
Machinability Rating	90

TYPICAL USES

- Architecture
- Builders Hardware
- Consumer
- Industrial
- Ordnance