C23400

LEAD FREE BRASS

DESCRIPTION

C23400 is a brass formulated for primary forming into wrought products. It has a moderately high base cost and a moderately high melting temperature relative to other wrought brasses.

CHEMICAL COMPOSITION

Elements	Min (%)	Max (%)
Cu	81.0	84.0
Pb	-	0.05
Fe	-	0.05
Total Others	-	0.20
Zn	Remainder	

MECHANICAL PROPERTIES (AS PER TEMPER HO2)

Range (mm)	From	To	UTS Min (Mpa)	UTS Max (Mpa)	PS Min	Elongation Min (%)	Hardness Min	Hardness Max
Round (Dia)	1.5	6.00	540.00	620.00	-	-	-	-
Hex (A/F)	3.00	6.00	540.00	620.00	-	-	-	-
Square (A/F)	3.00	6.00	540.00	620.00	-	-	-	-

RAJHANS METALS PRIVATE LIMITED

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PHYSICAL PROPERTIES

No Physical Properties for this alloy.

FABRICATION PROPERTIES

Technique	Suitability
Soldering	Excellent
Brazing	Excellent
Capacity for being hot worked	Good
Gas Shielded Arc Welding	Good
Coated Metal Arc Welding	Not Recommended
Spot Weld	Fair
Seam Weld	Not Recommended
Butt Weld	Good
Capacity for Being Cold Worked	Excellent
Capacity for Being Hot Formed	Good
Machinability Rating	30

TYPICAL USES

- Welded Wire
- Filer Metal

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