



MANGANESE BRASS

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	CuZn28Sn1
European	CuZn28Sn1As
BS	CZ 111
JIS	C 4430
Russian	L62-1

Excellent hot and cold workability; good forge ability. Fabricated by bending, coining, coppersmith, drawing and upsetting, hot forging and pressing, knurling, roll threading, shearing, spinning, swaging, and stamping.

TYPICAL APPLICATIONS:

Industrial Resistance Products Weldable Brass Products

CHEMICAL COMPOSITION

	Cu	Pb	Zn	Fe	Mn
Min/Max	68.5-71.5	0 -.07	Rem	0-0.10	0.8 - 1.5

PHYSICAL PROPERTIES

Melting Point - Liquidus °F	2000
Melting Point - Solidus °F	1920
Densitylb/cu in. at 68 °F	0.308
Specific Gravity	8.53
Electrical Conductivity% IACS at 68 °F	17
Thermal ConductivityBtu/ sq ft/ ft hr/ °F at 68 °F	56
Coefficient of Thermal Expansion 68-57210 ⁻⁶ per °F (68 - 572 °F)	11.1
Specific Heat CapacityBtu/ lb / °F at 68 °F	0.09
Modulus of Elasticity in Tensionksi	16000

SIZES AVAILABLE :

HOLLOW RODS	Min Bore Size 20 mm and Max OD 100 mm
ROUND RODS/BARS	6mm To 130 mm
HEX	5mm To 60mm
SQUARE	4mm To 60mm
FLAT	5mm Min Thickness and max Width 120mm
PROFILES / SECTIONS	AS per Customer Drawing
BILLETS	Up to 200 mm
INGOTS	AS per Specification

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