



CARTRIDGE BRASS "70/30"

EQUIVALENT SPECIFICATIONS

SPECIFICATIONS	DESIGNATION
ISO	CuZn30
European	CuZn30
BS	CZ 106
JIS	C 2600
Russian	L70

C26000 has the highest ductility in the yellow brass series. Easily machined but is more often cold formed.

TYPICAL APPLICATIONS:

Architecture, Automotive, Builders Hardware, Consumer, Electrical, Fasteners, Industrial, Ordinance, Plumbing, Other

CHEMICAL COMPOSITION

	Cu	Fe	Pb	Zn
Min/Max	68.5 - 71.5	0.05	0.07	Rem
Nominals	70.0000	-	-	30.0000

PHYSICAL PROPERTIES

Coefficient of Thermal Expansion	11.1 $\times 10^{-6}$ per $^{\circ}$ F (68-572 $^{\circ}$ F)
Density	0.308 lb/in ³ @ 68 F
Electrical Conductivity	28 %IACS @ 68 F
Electrical Resistivity	37.0 ohms-cmil/ft @ 68 F
Melting Point Liquid US	1750 F
Melting Point Solid US	1680 F
Modulus of Elasticity in Tension	16000 ksi
Modulus of Rigidity	6000 ksi
Specific Gravity	8.53
Specific Heat Capacity	0.09 Btu/lb/ $^{\circ}$ F @ 68 F
Thermal Conductivity	70.0 Btu \cdot ft/(hr \cdot ft ² \cdot $^{\circ}$ F) @ 68 F

SIZES AVAILABLE :

WIRE	1mm To 8 mm
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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