



C26000 CARTRIDGE BRASS

ASTM B19 ASTM B36 ASTM B135

UNS No.	Copper	Lead	Iron	Zinc
C26000	68.5-71.5	0.07 max	0.05 max	remainder

C26000 Cartridge Brass, also known as 70/30, is copper alloyed with zinc. C26000 Cartridge Brass is a yellow brass, most commonly found in tube, sheet and plate form. C26000 is commonly called Cartridge Brass because it has traditionally been for ammunition cartridges and shells. 70/30 brass has a wide range of uses, including applications in architectural, electrical, consumer, construction and plumbing industries. Some common products produced from C26000 Cartridge Brass include bathroom fixtures, watch parts, terminal connectors, decorative hardware, radiator and pump cylinders.

Density @ 68° F	0.308 lb/in ³
Melting Range	1680-1750° F
Hot Formability	Fair
Cold Formability	Excellent
Machinability rating (C36000 = 100)	30
Brazing	Excellent
Soldering	Excellent
Gas-shielded arc welding	Good
Oxy-acetylene welding	Good
Carbon-arc welding	Not recommended
Coated metal-arc welding	Not recommended
Resistant welding: spot and seam	Fair
Resistance welding: butt	Good

Temper	Designation	Tensile, min ksi (MPa)	Tensile, max ksi (MPa)
M20	As Hot-Rolled	41 (275)	51 (345)
H01	Quarter-Hard	49 (340)	59 (405)
H02	Half-Hard	57 (380)	67 (450)
H03	Three-Quarter Hard	64 (425)	74 (595)
H04	Hard	71 (470)	81 (540)
H06	Extra Hard	83 (545)	92 (615)

