



C46400 - NAVAL BRASS

EQUIVALENT SPECIFICATION

Grade: C46400 Naval Brass
Standard: B-249

CHEMICAL SPECIFICATION

Cu	Pb	Fe	Zn	Imp.	Sn				
59 - 62	0.2	0.1	Rem	0.4	0.5 - 1				

DESCRIPTION:

Jalaram Metal Alloys – C46400 Naval Brass Naval Brass C46400 is nominally composed of 60% Copper, 39.2% Zinc and 0.8% tin. As is typical of Brass alloys with the duplex alpha + beta structure, C46400 has good strength and rigidity. By substituting tin for an equal quantity of zinc, a high corrosion resistance to Seawater is achieved. The addition of tin also gives the alloy an inherent resistance to dezincification, thereby further inhibiting the impingement by Seawater at higher than normal temperatures. The alloy is also noted for its resistance to wear, fatigue, galling and stress corrosion cracking.

TYPICAL APPLICATIONS:

Building Hardware, Fasteners, Electrical, Industrial, Marine, Ordnance, Plumbing

PRODUCT

Rods & Bars
Hollow
Sections & Profiles
Ingots
Billets

SIZE RANGE

Dia. 8.00 mm to 101.00 mm

OTHER ALLOYS

Free Cutting Brass
Forging Brass
Naval Brass
Leaded Brass

Lead Free Brass
Silicon Brass
Eco Brass
DZR Brass

Low Leaded Brass
High tensile Brass
Bismuth Bronze
Copper & Copper Alloys



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