



C-35330

EQUIVALENT SPECIFICATION

Grade: C-35330
Code: ASTM B-453

CHEMICAL SPECIFICATION

Cu	Pb	As	Zn	Imp					
59.5 - 64	1.5 - 3.5	0.02 - 0.25	Rem	0.5					

DESCRIPTION:

Cu-Zn alloys containing more than 15% Zn are susceptible to a dealloying process called Dezincification where the selective removal of Zn leaves a relatively porous and weak layer of Cu & Cu oxide. Corrosion of a similar nature continues beneath the primary corrosion layer resulting in gradual replacement of sound brass by weak, porous copper. Unless arrested this corrosion mechanism eventually penetrates the metal, weakening it structurally and allowing liquids or gasses to leak through this porous mass.

Additions of As (typically 0.02 - 0.25%) to alpha brasses effectively produces high resistance to dezincification at normal operating temperatures. A further addition of Sn (up to 1.5%) further enhances resistance to dezincification and has led to the development of Naval brasses with good resistance in marine environments.

TYPICAL APPLICATIONS:

Plumbers Fittings, Plumbers' Brass Goods

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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