

BS 1400 PB2

COPPER ALLOY

PHOSPHOR BRONZE PB2

BS1400 PB2 Alloys has up to 1% addition of phosphorous. The properties depend largely on the actual phosphorous content, but usually they are harder than tin bronzes, but with lower ductility. Essentially they are for bearings, where both load and running speeds are high and for other wear resist parts, such as gears and wormwheels. They are frequently chill cast, centrifugally cast or continuous cast: processes which enhance the properties to suit the application.

Chemical Properties

Cu	Sn	Zn	Pb	P
88	11.5	0.03	0.50	0.50

Mechanical Properties

Yeild strength	Tensile strength	Elongation	Hardness
Min 0.2% Mpa	Min Mpa	Min %	HRB
170	310-430	5.0-15	100-150

Equivalent Designation

UNS C90800
BS 1400 PB2
Din CuSn12
CC483K
C908

CUSTOMER ASSISTANCE : customer@TorqBolt.com