

PHOSPHOR BRONZE BUSHING

C90710/C90810

(PB1 & PB2)

RELATIVE SPECIFICATIONS:

Australia	AS 1565-1998- C90710/C90810
Great Britain	PB1/PB2
U.S.A.	SAE 65/ASTMC90700 – Equivalent to C90710

DESCRIPTION:

Phosphor Bronzes are generally used for hard shafts and heavy duty gears due to combination of high working load, high speed, impact loading or pounding when there is adequate lubrication and alignment.

APPLICATIONS:

Commonly used for bearings, shafts, gears, worm wheels and where shock resistance is required.

CHEMICAL ANALYSIS:

Grades	Copper	Lead	Iron	Tin	Zinc	Aluminium	Silicon	Nickel
90710 Min				10				
Max	REM	0.25	0.10	12	0.05	0.005	0.005	0.10
90810 Min				11.2				
Max	REM	0.25	0.15	13	0.30	0.005	0.005	0.50

MECHANICAL PROPERTIES:

Form of Casting	Yield 2% Proof stress Mpa Min.	Tensile Strength Mpa Min	Elongation L=5.65 Squared	Hardness HB Min
90710-Continuous Cast	170	360	6	100
90810-Continuous Cast	170	310	5	100

SIZE RANGE: Selected sizes available ex. Stock

COLOUR CODE: 90710 (Yellow) 90810 (Yellow/Red)

