

Tin Bronzes

(C903, C905, C907, C916)

Tin bronze offers excellent corrosion resistance along with good wear resistance and reasonably high strength. Used in sleeve bearings, they wear especially well against steel.

Typical uses:

- Bearings
- Bushings
- Pump impellers
- Piston rings
- Pump bodies
- Valves
- Steam fittings
- Worm wheels
- Gears
- Bearings for heavy loads and relatively low speeds

Tin Bronze

Cross Index					Nominal Chemical Composition				
CDA	Ingot	Former SAE	Former Federal	Former ASTM	Copper	Sn	Pb	Zn	Ni
C90300	225	620	(D5)	1B	88	8	---	4	---
C90500	210	62	(D6)	1A	88	10	---	2	---
C90700	205	65	---	---	89	11	---	---	---
C90900	199	---	---	---	87	13	---	---	---
C91000	197	---	(D2)	---	85	15	---	---	---
C91100	---	---	---	---	84	16	---	---	---
C91300	194	---	(D1)	---	81	19	---	---	---
C91600	---	---	(F1)	---	88	10.5	---	---	1.5
C91700	---	---	---	---	86.5	12	---	---	1.5
C92200	245	622	(D4)	2A	88	6	1.5	4.5	---
C92300	230	621	(D3)	2B	87	8	1	4	---
C92500	250	640	---	---	87	11	1	2	1
C92700	206	63	---	---	88	10	2	---	---
C92900	206W/Ni		---	---	84	10	2.5	---	3.5