

## Bronze Sand Casting

# BRONZE SAND CASTING



Bronze Sand casting, also known as sand molded casting, is a cost-efficient method of metal casting characterized by using sand as the mould material. This can give high volume production with cost efficiency. Our Bronze casting foundry in jamnagar in India is a modern foundry with high volume produyction set-up.

Items cast by Bronze Sand casting process-

- Pump parts of Bronze
- Bronze Gears
- Bronze Pipe fittings like Tees Elbows Reducers adapters
- Various Threaded Bronze Fittings
- Electrical Grade Bronze Connectors
- Bronze pipe clamps
- Aluminium Bronze grounding accessories and clamps
- Bushings , machined Bushes
- Bronze Pole Line Hardware
- Cable Connectors
- Bronze marine fittings, Ship accessories hardware like Hulls, Strainers etc

**MANGANESE BRONZE CASTING ALLOYS**

Cross Index					Nominal Chemical Composition					Minimum Mechanical Requirements			
CDA	Ingot	Former SAE	Former Federal	Former ASTM	Copper	Zn	Al	Fe	Mn	Tensile (psi)	Yield (psi)	Elongation %	BHN @ 3000 KG
C86200	423	430A	(B) & (E)	8B	64	26	4	3	3	90,000	45,000	18	180
C86300	424	430B	(C)	8C	63	25	6	3	3	110,000	62,000	14	225
C86500	421	43	(A)	8A	58	39	1	1	1	70,000	25,000	25	130

ALUMINUM BRONZE CASTING ALLOYS													
Cross Index					Nominal Chemical Composition					Minimum Mechanical Requirements			
CDA	Ingot	Former SAE	Former Federal	Former ASTM	Copper	Al	Fe	Ni	Mn	Tensile (psi)	Yield (psi)	Elongation %	BHN @ 3000 KG
C95200	415A	68A	9A	88	9	3	---	---	---	68,000	26,000	20	125
C95300	415B	68B	G7	9B	89	10	1	---	---	70,000	26,000	25	140
C95300HT		G7-HT	---	---	---	---	---	---	---	80,000	40,000	12	174
C95400	415C	---	A-954	9C	85	11	4	---	---	85,000	32,000	12	170
C95400-HT		---	G5-HT	9C-HT	---	---	---	---	---	95,000	45,000	10	195
C95500	415D	---	G3	9D	81	11	4	4	---	95,000	42,000	10	195
C95500-HT		---	G3-HT	9D-HT	---	---	---	---	---	11,000	62,000	8	230
C95800	---	---	---	---	81	9	4	5	1	85,000	35,000	15	159
C95900	---	---	---	---	82	13	4	---	1	90,000	52,000	0.5	286

TIN BRONZE CASTING ALLOYS													
Cross Index					Nominal Chemical Composition					Minimum Mechanical Requirements			
CDA	Ingot	Former SAE	Former Federal	Former ASTM	Copper	Sn	Pb	Zn	Ni	Tensile (psi)	Yield (psi)	Elongation %	BHN @ 500 KG
C90300	225	620	(D5)	1B	88	8	---	4	---	44,000	22,000	18	70
C90500	210	62	(D6)	1A	88	10	---	2	---	44,000	25,000	10	75
C90700	205	65	---	---	89	11	---	---	---	40,000	25,000	10	80
C90900	199	---	---	---	87	13	---	---	---	40,000	20,000	15	90
C91000	197	---	(D2)	---	85	15	---	---	---	30,000	25,000	1	105
C91100	---	---	---	---	84	16	---	---	---	35,000	25,000	2	135**
C91300	194	---	(D1)	---	81	19	---	---	---	35,000	30,000	0.5	160**
C91600	---	---	(F1)	---	88	10.5	---	---	1.5	35,000	17,000	10	65
C91700	---	---	---	---	86.5	12	---	---	1.5	35,000	17,000	10	65

C92200	245	622	(D4)	2A	88	6	1.5	4.5	---	38,000	19,000	18	65
C92300	230	621	(D3)	2B	87	8	1	4	---	40,000	19,000	16	70
C92500	250	640	---	---	87	11	1	2	1	40,000	24,000	10	80
C92700	206	63	---	---	88	10	2	---	---	38,000	20,000	8	77
C92900	206W/Ni		---	---	84	10	2.5	---	3.5	45,000	25,000	8	75

---

**ADDEESS:**

Conex Bronze Fittings

**CONTACTS:**

PHONE : 91-22-43449300/27

FAX : 91 22 22834046

EMAIL : [sales@conexbronze.com](mailto:sales@conexbronze.com)

**[CONTACT US](#) | [BACK TO HOME PAGE](#)**

**KEYWORDS:**

**Bronze casting, Sand casting, Bronze sand casting, Pump parts of Bronze, Bronze Pipe fittings, Bronze Tees, bronze Elbows, bronze Reducers, Bronze adapters , Threaded Bronze Fittings Electrical Grade Bronze Connectors, Bronze pipe clamps, Aluminium Bronze grounding accessories and clamps ,**