

Cast Bronze Alloys Hardness Ratings



UNS NO.	DESIGNATION	HARDNESS TYPE	TYPICAL OR MINIMUM	HARDNESS
C94300	HIGH-LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	45
C94100	HIGH-LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	50
C84400	LEADED RED BRASS	BRINELL 500 Kg LOAD	TYPICAL	55
C84800	LEADED RED BRASS	BRINELL 500 Kg LOAD	TYPICAL	55
C89831	FEDERALLOY	BRINELL 500 Kg LOAD	TYPICAL	55
C89844	FEDERALLOY	BRINELL 500 Kg LOAD	TYPICAL	55
C93800	HIGH-LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	55
C97300	LEADED NICKEL BRONZE	BRINELL 500 Kg LOAD	TYPICAL	55
C83600	LEADED RED BRASS	BRINELL 500 Kg LOAD	TYPICAL	60
C83800	LEADED RED BRASS	BRINELL 500 Kg LOAD	TYPICAL	60
C84200	LEADED RED BRASS	BRINELL 500 Kg LOAD	TYPICAL	60
C89833	FEDERALLOY	BRINELL 500 Kg LOAD	TYPICAL	60
C93400	HIGH-LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	60
C93500	HIGH-LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	60
C93700	HIGH-LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	60
C93900	HIGH-LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	63
C89835	FEDERALLOY	BRINELL 500 Kg LOAD	TYPICAL	65
C92200	LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	65
C93200	LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	65
C93600	HIGH-LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	65
C89320	BISMUTH TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	70
C90300	HIGH TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	70
C92300	LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	70
C92800	LEADED TIN BRONZE	ROCKWELL "B" 72-82	MINIMUM	72
C89325	FEDERALLOY	BRINELL 500 Kg LOAD	TYPICAL	73
C85700	LEADED RED BRASS	BRINELL 500 Kg LOAD	TYPICAL	75
C90500	HIGH TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	75
C92900	LEADED NICKEL - TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	75
C92700	LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	77
C92500	NICKEL-PROSPHOR	BRINELL 500 Kg LOAD	TYPICAL	80
C94000	HIGH-LEADED TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	80
C94800	LEADED NICKEL - TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	80
C97600	LEADED NICKEL BRONZE	BRINELL 500 Kg LOAD	TYPICAL	85
C91600	HIGH TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	85
C94700	NICKEL - TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	95
C91700	HIGH TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	102
C87850	ECO BRASS	BRINELL 500 Kg LOAD	MINIMUM	103
C91000	HIGH TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	105
C95300	ALUMINUM BRONZE	BRINELL 500 Kg LOAD	TYPICAL	120
C95200	ALUMINUM BRONZE	BRINELL 500 Kg LOAD	TYPICAL	125
C86500	MAGANESE BRONZE	BRINELL 500 Kg LOAD	TYPICAL	130
C97800	LEADED NICKEL BRONZE	BRINELL 500 Kg LOAD	TYPICAL	130
C91100	HIGH TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	135
C99500	SPECIAL ALLOY	BRINELL 500 Kg LOAD	TYPICAL	145
C95800	NICKEL-ALUMINUM BRONZE	BRINELL 500 Kg LOAD	TYPICAL	159
C91300	HIGH TIN BRONZE	BRINELL 500 Kg LOAD	TYPICAL	160
C95400	ALUMINUM BRONZE	BRINELL 500 Kg LOAD	TYPICAL	170
C95410	ALUMINUM BRONZE	BRINELL 500 Kg LOAD	TYPICAL	176
C86200	MAGANESE BRONZE	BRINELL 500 Kg LOAD	TYPICAL	180
C95500	NICKEL - ALUMINUM BRONZE	BRINELL 500 Kg LOAD	TYPICAL	190
C86300	MAGANESE BRONZE	BRINELL 500 Kg LOAD	TYPICAL	223
C95900	ALUMINUM BRONZE	BRINELL 500 Kg LOAD	MINIMUM	241
C95520	NICKEL-ALUMINUM BRONZE	BRINELL 500 Kg LOAD	MINIMUM	262



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