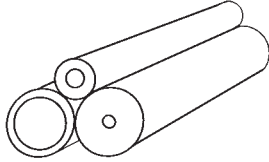


Bronze Rod & Bar

SAE 660 Bearing Bronze Hollow Bar



- UNS Designation Number: UNS C93200
- Nominal Chemicals: Copper 83.0%, Tin 7.0%, Lead 7.0%, Zinc 3.0%
- Minimum Physical Properties: Tensile 35,000 psi, Yield 20,000, Elongation 10%
- Specifications: ASTM B 505, Alloy 932, SAE 660
- This famous SAE 660 alloy provides bearing characteristics of balanced excellence. It is stocked in 105" bars and can be cut to specific lengths as required. These machinable bronze bars are used chiefly for making maintenance bearings, parts or repairs to machinery in your own shop.

ID	OD	Lbs/ln	Part Number
1/2	3/4	.114	126848
	1	.227	189545
	1 1/8	.298	189579
	1 1/4	.379	189600
	1 1/2	.565	189634
	1 3/4	.781	189668
	2	1.029	189692
5/8	1 1/8	.265	189723
	1 1/4	.344	189757
	1 1/2	.529	189812
3/4	1	.149	189846
	1 1/8	.236	189870
	1 1/4	.302	189901
	1 3/8	.390	189935
	1 1/2	.487	189969
	1 3/4	.705	190025
	2	.951	190059
	2 1/4	1.239	190083
	2 1/2	1.554	190114
7/8	1 1/8	.184	190148
	1 3/8	.340	190172
	1 1/2	.438	492558
	1 5/8	.541	190203
	1 7/8	.718	586860
	2	.902	190237
1	1 1/4	.190	190261
	1 3/8	.280	127137
	1 1/2	.378	190295

ID	OD	Lbs/ln	Part Number
1	1 5/8	.483	190326
	1 3/4	.595	190350
2		.846	190415
	2 1/4	1.124	190449
	2 1/2	1.439	190473
	2 3/4	1.796	190504
	3	2.184	190538
	3 1/4	2.604	190562
	3 1/2	3.045	190596
	4	4.116	190627
1 1/8	1 5/8	.419	190651
	2 1/2	1.376	190716
1 1/4	1 1/2	.232	190740
	1 3/4	.455	190774
	2	.714	190805
	2 1/8	.837	190839
	2 1/4	.986	190863
	2 1/2	1.302	190928
	2 3/4	1.649	190952
	3	2.048	190986
	4	3.99	191013
1 3/8	1 3/4	.389	191047
	1 7/8	.490	191071
	2	.616	191102
	2 1/8	.753	191136
	2 1/4	.904	191160
	2 1/2	1.218	191225
	2 3/4	1.565	191283

Dimensions are in inches. All weights are approximate. Sizes not shown may be available upon request.

Tolerances

Inside Diameter

Up to 4"Minus 1/32"
 4" and over.....Minus 3/32"

Outside Diameter

Up to 4"Plus 1/32"
 4" to 5".....Plus 1/16"
 5" and over.....Plus 3/32"

Bronze Rod & Bar

SAE 660 Bearing Bronze Hollow Bar (continued)

ID	OD	Lbs/In	Part Number
1 3/8	3	1.964	191314
1 1/2	1 3/4	.270	127145
	2	.529	191348
	2 1/8	.629	241143
	2 1/4	.809	191372
	2 3/8	.958	191403
	2 1/2	1.120	191437
	2 5/8	1.302	191461
	2 3/4	1.481	191495
	3	1.850	191526
	3 1/2	2.730	191576
	4	3.801	191607
	4 1/2	4.935	191631
1 5/8	2 1/8	.561	191665
1 3/4	2	.324	454704
	2 1/4	.602	191720
	2 3/8	.715	241127
	2 1/2	.918	191754
	2 5/8	1.103	191788
	2 3/4	1.281	191819
	3	1.670	191877
	3 1/4	2.090	191908
	3 1/2	2.520	191932
	4	3.591	191966
1 7/8	2 3/8	.636	192027
	2 1/2	.802	192051
2	2 1/2	.680	192085
	2 3/4	1.031	192116
	2 7/8	1.229	192140
	3	1.428	192174
	3 1/4	1.848	192205
	3 1/2	2.289	192239
	3 3/4	2.772	192263
	4	3.350	192289
	4 1/2	4.494	192310
	5	5.765	192344
	6	8.715	192409

ID	OD	Lbs/In	Part Number
2 1/8	2 5/8	.717	192433
2 1/8	2 3/4	.891	192467
2 1/4	2 3/4	.753	192522
	3	1.145	192580
	3 1/4	1.565	192611
	3 1/2	2.006	192645
	3 3/4	2.499	192679
	4	2.900	241088
	4 1/4	3.633	192700
2 3/8	2 7/8	.798	192734
	3	.999	192768
	3 1/4	1.418	192792
	3 1/2	1.859	192823
2 1/2	3	.851	192881
	3 1/4	1.260	192946
	3 1/2	1.712	192970
	3 3/4	2.205	193007
	4	2.772	193031
	4 1/2	3.906	193065
	5	5.198	193099
	5 1/2	6.615	193120
	6	8.805	193154
2 3/4	3 1/4	.962	454699
	3 1/2	1.330	193219
	3 3/4	1.848	193243
	4	2.460	193277
	4 1/4	2.982	193308
	4 1/2	3.990	193332
	4 3/4	4.200	193366
3	3 1/2	.991	193390
	3 3/4	1.481	193421
	4	2.095	193455
	4 1/4	2.625	193489
	4 1/2	3.192	193510
	4 3/4	3.750	241054
	5	4.463	193544
	5 1/2	5.880	193578

Dimensions are in inches. All weights are approximate.
 Sizes not shown may be available upon request.

Tolerances

Inside Diameter

Up to 4"Minus 1/32"
 4" and over.....Minus 3/32"

Outside Diameter

Up to 4"Plus 1/32"
 4" to 5"Plus 1/16"
 5" and over.....Plus 3/32"

Bronze Rod & Bar

SAE 660 Bearing Bronze Hollow Bar (continued)

ID	OD	Lbs/In	Part Number
3	6	7.455	193609
	6 1/2	9.080	492566
	7	10.560	492574
3 1/4	4	1.680	193633
	4 1/4	2.205	193667
	4 1/2	2.793	193691
	5	4.074	193714
3 1/2	4	1.239	193772
	4 1/4	1.820	492582
	4 1/2	2.363	193803
	4 3/4	2.982	193837
	5	3.644	193861
	5 1/2	5.040	193887
3 3/4	4 1/2	1.901	193976
	4 3/4	2.499	194003
	5	3.150	194037
	6	6.090	194095
	6 1/2	8.295	193942
4	4 1/2	1.428	194126
	4 3/4	1.995	194150
	5	2.625	194184
	5 1/2	4.095	194215
	6	5.670	194249
	6 1/2	7.350	194273
	7	9.135	194304
	7 1/2	11.025	194338
	8	13.125	194362
	8 1/2	15.225	194396
4 1/4	5	2.230	492590
	5 1/4	3.115	194396
4 1/2	5	1.733	194427
	5 1/2	3.045	194451
	6	4.620	194485
	6 1/2	6.300	194516
	7	8.085	194540
4 3/4	6	4.095	194605
	6 1/2	6.050	241062
5	5 1/2	2.086	442587

ID	OD	Lbs/In	Part Number
5	6	3.534	194639
	6 1/2	5.040	194663
	7	6.930	194697
	7 1/2	8.799	183345
5 1/2	8	11.025	194728
	9	15.830	127161
	6	2.276	437176
5 3/4	6 1/2	3.780	194786
	7	5.610	492605
	7 1/2	7.455	194817
6	6 3/4	3.990	287660
	7 1/2	6.900	127179
	6 1/2	2.352	457760
	6 3/4	3.250	492613
	7	4.200	194841
	7 1/2	5.985	194875
	8	8.295	194906
	8 1/2	10.500	194930
	9	11.970	194964
	6 1/2	7 1/2	4.410
7	8	6.615	195017
	8	4.790	492621
	9	9.450	195041
	9 1/2	11.770	517382
	8	9	5.429
8	9 1/2	7.940	492639
	10	10.477	127195
	11	16.290	260375
	8 1/2	9 1/2	5.832
9	10	6.270	234730
	10 1/2	8.700	492647
	11	11.710	492655
10	11	6.710	234756
	12	12.590	437736
	14	26.160	506268
12	14	15.530	492663
13	15	17.03	461214

Dimensions are in inches. All weights are approximate.
 Sizes not shown may be available upon request.

Inside Diameter

Up to 4"Minus 1/32"
 4" and over.....Minus 3/32"

Tolerances

Outside Diameter

Up to 4"Plus 1/32"
 4" to 5"Plus 1/16"
 5" and over.....Plus 3/32"