



ID	OD	ITEM NO.	PART NO.	AVG. WGT.	ID	OD	ITEM NO.	PART NO.	AVG. WGT.	ID	OD	ITEM NO.	PART NO.	AVG. WGT.		
SOLID	3/8	106500	BS0003-13	.56	7/8	1-1/8	106030	BC0709-13	2.3	1-5/8	2	106110	BC1316-13	5.6		
	1/2	106501	BS0004-13	1		1-1/4	106031	BC0710-13	3.3		2-1/8	106111	BC1317-13	7.4		
	5/8	106502	BS0005-13	1.5		1-3/8	106032	BC0711-13	4.5		2-1/4	106112	BC1318-13	9.3		
	3/4	106503	BS0006-13	2.1		1-1/2	106033	BC0712-13	5.7		2-3/4	106116	BC1322-13	18.0		
	7/8	106504	BS0007-13	2.8		1-5/8	106034	BC0713-13	7.1		3	106117	BC1324-13	22.9		
	1	106505	BS0008-13	3.7		1-3/4	106035	BC0714-13	8.5		1-3/4	2	106118	BC1416-13	4.3	
	1-1/8	106506	BS0009-13	4.6		2	106037	BC0716-13	11.8			2-1/4	106120	BC1418-13	7.9	
	1-1/4	106507	BS0010-13	5.6		1	1-1/4	106040	BC0810-13			2.6	2-3/8	106121	BC1419-13	9.9
	1-3/8	106508	BS0011-13	6.8			1-3/8	106041	BC0811-13		3.7	2-1/2	106122	BC1420-13	12.0	
	1-1/2	106509	BS0012-13	8.0			1-1/2	106042	BC0812-13		5.0	2-5/8	106123	BC1421-13	14.2	
	1-5/8	106510	BS0013-13	9.4		1-5/8	106043	BC0813-13	6.3		2-3/4	106124	BC1422-13	16.6		
	1-3/4	106511	BS0014-13	10.8		1-3/4	106044	BC0814-13	7.8		3	106126	BC1424-13	21.5		
	1-7/8	106512	BS0015-13	12.4		2	106046	BC0816-13	11.0		3-1/4	106127	BC1426-13	26.9		
	2	106513	BS0016-13	14.0		2-1/4	106048	BC0818-13	14.7		3-1/2	106128	BC1428-13	32.7		
	2-1/8	106514	BS0017-13	16.0		2-3/8	106049	BC0819-13	16.7		3-3/4	106129	BC1430-13	38.9		
	2-1/4	106515	BS0018-13	17.8		2-1/2	106050	BC0820-13	18.8		4	106130	BC1432-13	47.0		
	2-3/8	106516	BS0019-13	19.8		2-3/4	106051	BC0822-13	23.3		4-1/4	106131	BC1434-13	54.0		
	2-1/2	106517	BS0020-13	21.9		3	106052	BC0824-13	28.3		1-7/8	2-3/8	106133	BC1519-13	8.4	
	2-5/8	106518	BS0021-13	24.1		3-1/4	106053	BC0826-13	33.7			2-1/2	106134	BC1520-13	10.5	
	2-3/4	106519	BS0022-13	26.4		3-1/2	106054	BC0828-13	39.5			2-5/8	106135	BC1521-13	12.7	
	3	106521	BS0024-13	31.4		4	106055	BC0832-13	53.3		3	106138	BC1524-13	20.0		
	3-1/4	106522	BS0026-13	36.7		2	306046	MCB1632	11.0		2	2-1/4	106140	BC1618-13	4.8	
	3-1/2	106523	BS0028-13	42.5		1-1/8	1-5/8	106058	BC0913-13			5.4	2-1/2	106141	BC1620-13	8.9
	3-3/4	106524	BS0030-13	48.8			1-7/8	106060	BC0915-13			8.5	2-5/8	106142	BC1621-13	11.1
	4	106525	BS0032-13	56.4			2	106061	BC0916-13		10.2	2-3/4	106143	BC1622-13	13.4	
	4-1/4	106526	BS0034-13	63.5		1-1/4	1-1/2	106068	BC1012-13		3.0	2-7/8	106144	BC1623-13	15.9	
	4-1/2	106527	BS0036-13	71.1			1-5/8	106069	BC1013-13		4.4	3	106145	BC1624-13	18.4	
	4-3/4	106528	BS0038-13	79.1			1-3/4	106070	BC1014-13		5.9	3-1/4	106146	BC1626-13	23.8	
	5	106529	BS0040-13	88.6		1-7/8	106071	BC1015-13	7.5		3-1/2	106147	BC1628-13	29.6		
	5-1/2	106530	BS0044-13	107.0		2	106072	BC1016-13	9.2		3-3/4	106148	BC1630-13	35.8		
	6	106531	BS0048-13	126.9		2-1/4	106074	BC1018-13	12.9		4	106149	BC1632-13	43.9		
	6-1/2	106532	BS0052-13	148.0		2-1/2	106076	BC1020-13	17.0		4-1/2	106150	BC1636-13	58.6		
7	106533	BS0056-13	171.9	2-3/4	106078	BC1022-13	21.5	5	106151	BC1640-13	76.5					
7-1/2	106534	BS0060-13	196.9	3	106080	BC1024-13	26.4	5-1/2	106152	BC1644-13	95.6					
8	106535	BS0064-13	223.6	3-1/4	106081	BC1026-13	31.8	6	106153	BC1648-13	115.0					
9	106537	BS0072-13	282.2	3-1/2	106082	BC1028-13	37.6	2-1/8	2-5/8	106154	BC1721-13	9.4				
1/2	1	106001	BC0408-13	3.0	4	106083	BC1032-13		51.8	2-3/4	106155	BC1722-13	11.7			
	1-1/8	106002	BC0409-13	3.9	1-3/8	1-3/4	106085		BC1114-13	4.9	2-7/8	106156	BC1723-13	14.2		
	1-1/4	106003	BC0410-13	4.9		1-7/8	106086	BC1115-13	6.4	2-1/4	106161	BC1822-13	9.9			
1-1/2	106005	BC0412-13	7.3	2		106087	BC1116-13	8.1	2-7/8	106162	BC1823-13	12.3				
1-3/4	106006	BC0414-13	10.2	2-1/8	106088	BC1117-13	9.9	3	106163	BC1824-13	14.8					
2	106007	BC0416-13	13.4	2-1/4	106089	BC1118-13	11.8	3-1/4	106165	BC1826-13	20.2					
5/8	1	106008	BC0508-13	2.5	2-1/2	106091	BC1120-13	15.9	3-1/2	106166	BC1828-13	26				
	1-1/8	106009	BC0509-13	3.5	3	106094	BC1124-13	25.4	3-3/4	106167	BC1830-13	32.2				
	1-1/4	106010	BC0510-13	4.5	1-1/2	1-3/4	106095	BC1214-13	3.7	4	106168	BC1832-13	40.5			
1-3/8	106011	BC0511-13	5.6	2		106097	BC1216-13	6.9	4-1/4	106169	BC1834-13	47.5				
2	106015	BC0516-13	13.6	2-1/8		106098	BC1217-13	8.7	2-3/8	2-7/8	106170	BC1923-13	10.3			
3/4	1	106017	BC0608-13	2.0	2-1/4	106099	BC1218-13	10.6		3	106171	BC1924-13	12.8			
	1-1/8	106018	BC0609-13	2.9	2-3/8	106100	BC1219-13	12.6		3-1/4	106172	BC1926-13	18.2			
	1-1/4	106019	BC0610-13	4.0	2-1/2	106101	BC1220-13	14.7	3-1/2	106173	BC1928-13	24.1				
1-3/8	106020	BC0611-13	5.1	2-3/4	106103	BC1222-13	19.2	2-1/2	3	106176	BC2024-13	10.8				
1-1/2	106021	BC0612-13	6.4	3	106104	BC1224-13	24.2		3-1/8	106177	BC2025-13	13.5				
1-3/4	106023	BC0614-13	9.2	3-1/4	106105	BC1226-13	29.6		3-1/4	106178	BC2026-13	16.2				
2	106025	BC0616-13	12.4	3-1/2	106106	BC1228-13	35.4	3-1/2	106179	BC2028-13	22.1					
2-1/4	106027	BC0618-13	16.1	3-3/4	106107	BC1230-13	41.6	3-3/4	106180	BC2030-13	28.2					
2-1/2	106028	BC0620-13	20.2	4	106108	BC1232-13	49.6	4	106181	BC2032-13	36.5					
2-3/4	106029	BC0622-13	24.7	4-1/2	106109	BC1236-13	64.3	4-1/4	106182	BC2034-13	43.7					
										4-1/2	106183	BC2036-13	51.2			

*Other sizes, tolerances, lubricants and materials are available on special orders.



ID	OD	ITEM NO.	PART NO.	AVG. WGT.
2-1/2	4-3/4	106184	BC2038-13	59.2
	5	106185	BC2040-13	69.1
	5-1/2	106186	BC2044-13	87.8
	6	106187	BC2048-13	107.6
2-5/8	3-1/2	106188	BC2128-13	19.8
2-3/4	3-1/4	106192	BC2226-13	12.6
	3-1/2	106193	BC2228-13	17.7
	3-3/4	106194	BC2230-13	23.8
	4	106195	BC2232-13	32.2
	4-1/4	106196	BC2234-13	39.4
	4-1/2	106197	BC2236-13	47
	4-3/4	106198	BC2238-13	54.9
2-7/8	4	106199	BC2332-13	29.8
3	3-1/2	106200	BC2428-13	12.8
	3-3/4	106201	BC2430-13	19.1
	4	106202	BC2432-13	27.5
	4-1/4	106203	BC2434-13	34.7
	4-1/2	106204	BC2436-13	42.2
	4-3/4	106205	BC2438-13	50.2
	5	106206	BC2440-13	60.2
	5-1/2	106207	BC2444-13	78.9
	6	106208	BC2448-13	98.8
	6-1/2	106209	BC2452-13	120.4
3-1/4	4	106210	BC2632-13	22.2
	4-1/4	106211	BC2634-13	29.5
	4-1/2	106212	BC2636-13	37
	4-3/4	106213	BC2638-13	45
	5	106214	BC2640-13	55.2
	5-1/2	106215	BC2644-13	73.8
3-1/2	4	106216	BC2832-13	16.7
	4-1/4	106217	BC2834-13	23.8
	4-1/2	106218	BC2836-13	31.5
	4-3/4	106219	BC2838-13	39.4
	5	106220	BC2840-13	49.5
	5-1/2	106221	BC2844-13	68.3
	6	106222	BC2848-13	88.1
	6-1/2	106223	BC2852-13	109.8
3-3/4	4-1/2	106224	BC3036-13	25.3
	4-3/4	106225	BC3038-13	33.4
	5	106226	BC3040-13	43.7
	5-1/2	106228	BC3044-13	62.2
	6	106229	BC3048-13	82.1

ID	OD	ITEM NO.	PART NO.	AVG. WGT.
4	4-1/2	106230	BC3236-13	19
	4-3/4	106231	BC3238-13	27
	5	106232	BC3240-13	37.2
	5-1/4	106233	BC3242-13	46.5
	5-1/2	106234	BC3244-13	55.9
	6	106235	BC3248-13	75.9
	6-1/2	106236	BC3252-13	97.5
	7	106237	BC3256-13	120.8
	7-1/2	106238	BC3260-13	145.8
	8	106239	BC3264-13	172.5
4-1/4	5	106240	BC3440-13	30.3
	5-1/4	106241	BC3442-13	38.4
	5-1/2	106242	BC3444-13	49.0
	6	106243	BC3448-13	69.0
	6-1/2	106244	BC3452-13	90.6
4-1/2	5	106245	BC3640-13	23.2
	5-1/2	106246	BC3644-13	41.9
	6	106247	BC3648-13	61.7
	6-1/2	106248	BC3652-13	83.4
	7	106249	BC3656-13	106.8
4-3/4	5-3/4	106250	BC3846-13	43.5
	6	106251	BC3848-13	54.2
	6-1/2	106252	BC3852-13	75.8
5	6	106255	BC4048-13	46.0
	6-1/2	106256	BC4052-13	67.6
	7	106257	BC4056-13	91

ID	OD	ITEM NO.	PART NO.	AVG. WGT.
5	7-1/2	106258	BC4060-13	116.0
	8	106259	BC4064-13	142.8
	9	106260	BC4072-13	201.3
5-1/4	7	106262	BC4256-13	82.5
5-1/2	6-1/2	106264	BC4452-13	50.2
	7	106265	BC4456-13	73.5
	7-1/2	106266	BC4460-13	98.5
	8	106267	BC4464-13	125.4
5-3/4	6-3/4	106268	BC4654-13	51.7
	7-1/2	106269	BC4660-13	89.3
6	6-3/4	106272	BC4854-13	41.4
	7	106273	BC4856-13	54.5
	7-1/2	106274	BC4860-13	79.5
	8	106275	BC4864-13	106.1
	8-1/2	106276	BC4868-13	134.6
	9	106277	BC4872-13	164.8
6-1/2	7-1/2	106279	BC5260-13	58.7
	8	106280	BC5264-13	85.4
	9	106281	BC5272-13	144
7	8	106284	BC5664-13	62.9
	9	106285	BC5672-13	121.4
8	9	106291	BC6472-13	71.3
	10	106292	BC6480-13	131.8
9	10	106295	BC7280-13	78.8

Finish Allowances

Actual sizes provided approximate allowances for finish as follows:

Outside Diameter	Finish ID & OD
0-4"	1/32"
4-5"	1/16"
5-9"	3/32"

Typical Mechanical Properties† Century (SAE 660) Bronze Bars

Chemical Composition	
Copper.....	83%
Tin	7%
Lead	7%
Zinc	3%

Tensile Strength	44,000 PSI
Yield Strength	24,000 PSI
Elongation in 2 inches	16%
Brinell Number @	
500 KG Load.....	72

Equivalent Specifications:
C93200; ASTM B505;
QQ-C 390A

†Typical for sizes 1-4 inches diameter; other sizes may differ appreciably. Not to be used for specification purposes.

Maximum Values (PV=P x V)

POWDERED METAL

MATERIAL	PV	P-LOAD	V-SFM
1. Iron (SAE 850)	30,000	3,000	400
2. Bronze (SAE 841)	50,000	2,000	1,200
3. Iron-Copper (SAE 863)	35,000	4,000	225
4. Heat Treated Iron Copper	75,000	8,000	35

CAST BRONZE

MATERIAL	PV	P-LOAD	V-SFM
1. Manganese Bronze	150,000	8,000	100
2. Aluminum Bronze	125,000	4,000	225
3. SAE 660 Bronze	75,000	3,000	750

STEEL

MATERIAL	PV	P-LOAD	V-SFM
1. TU Self-Lubricating	102,000	36,250	1,900

Special Products Available:

- Larger diameter 13" Bars
- Longer length bars up to 105"
- Special bearings machined per print

*Other sizes, tolerances, lubricants and materials are available on special orders.