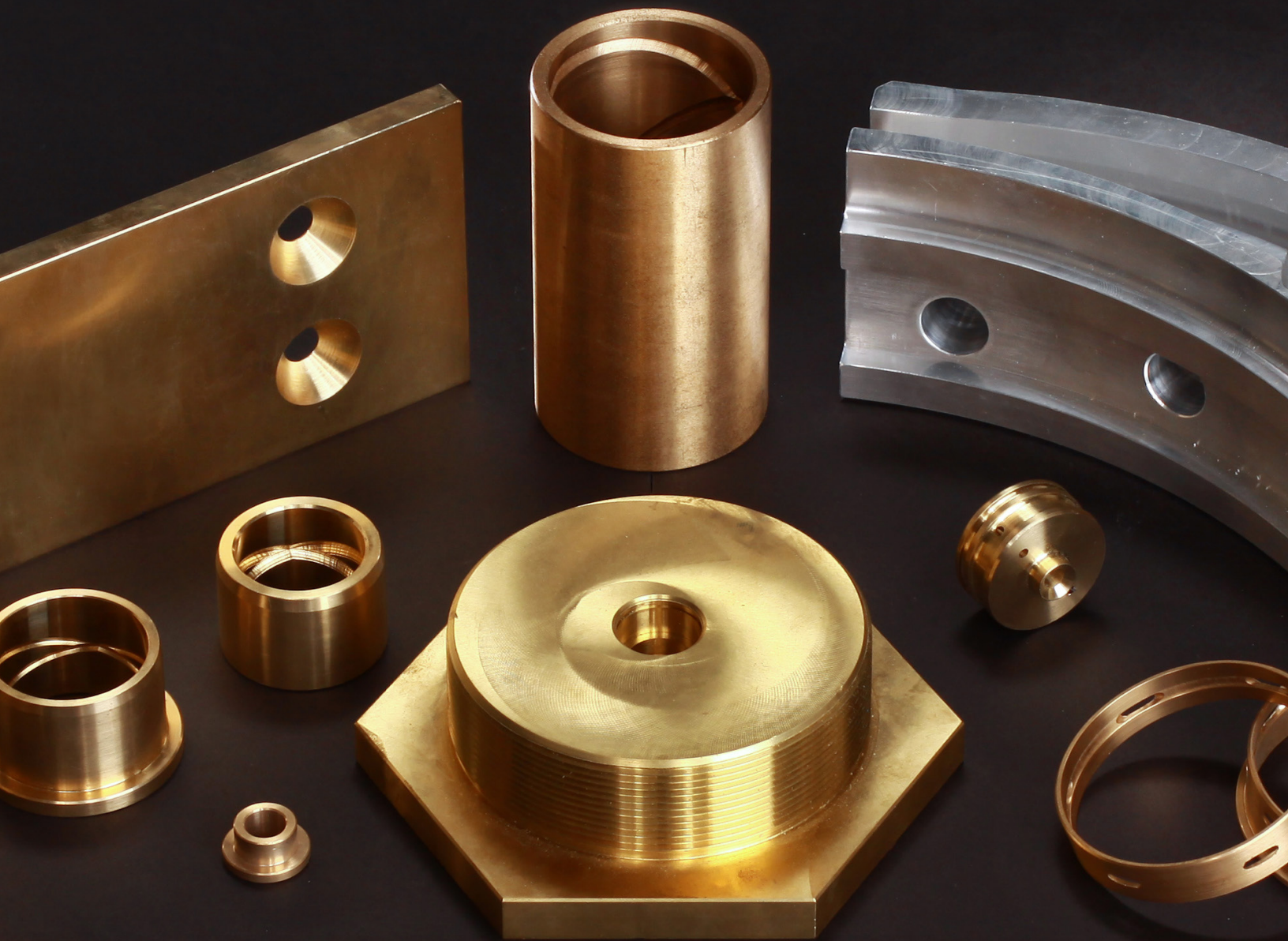




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STANDARD ALLOYS

Powdered Metal

SAE 841 Self lubricating bronze

SAE 863 Self lubricating copper/iron

SAE 850 Self lubricating iron



Continuous & Centrifugal Cast Bars

SAE 954 (C954) Cast Aluminum Bronze

C 863 Cast Manganese Bronze

SAE 660 (C932) High Leaded Tin Bronze

C83600 Leaded Red Brass "SAE 40"

C84400 Leaded Semi-Red Brass

C86200 Manganese Bronze "SAE 430A"

C86400 Manganese Bronze

C86500 Manganese Bronze "SAE 43"

C90200 Tin Bronze

C90300 Tin Bronze "Navy G"

C90500 Tin Bronze "SAE 62"

C90700 Tin Bronze "SAE 65"

C91000 Tin Bronze

C91100 Tin Bronze

C91700 Nickel Tin Bronze

C92200 Leaded Tin Bronze "Navy M"

C92300 Leaded Tin Bronze

C92500 Leaded Tin Bronze

C92600 Commercial Leaded Tin Bronze

C92700 Leaded Tin Bronze

C92800 Leaded Tin Bronze

C92900 Leaded Nickel Tin Bronze

C93400 High Leaded Tin Bronze

C93600 High Leaded Tin Bronze

C93700 High Leaded Tin Bronze "SAE 64"

C93800 High Leaded Tin Bronze "SAE 67"

C94100 High Leaded Tin Bronze

C94300 High Leaded Tin Bronze

C94800 Leaded Nickel Tin Bronze

C95500 Nickel Aluminum Bronze "9D"

C95900 Aluminum Bronze

STANDARD PRODUCTS

- Powdered Metal Self Lubricating Bronze, various materials to choose from. Available in bearings bar and plate stock forms
- SAE 660 CDA 932 Cast bronze material
- Stock Bushings – Prefixes: CB, RB, NL, MB, etc.
- Bar stock – Available in any length of 13" to 105" both solid & cored and plate stock
- CDA 954 aluminum bronze – Available in lengths of 13" to 144". Also in both solid, cored plate stock.
- CDA 863 Manganese Bronze – Available in lengths of 13" to 144" in both solid, cored and plate stock.
- Materials from stock in SAE 841 material.



**Quality custom machine shop —
bronze and beyond.**

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DESIGN PARAMETERS FOR BEARINGS

The following information will aid you in the proper selection of bearings to meet your needs. The sample problems will illustrate the design criteria which must be established in order to select the proper bearing. Should any questions arise, our staff is ready to assist you.

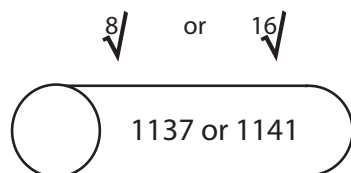
Sample Problem:

Design a bearing for 180 pound load at a speed of 1100 RPM

SHAFT SELECTION

Size Shaft size will be determined by the size and construction of the unit being designed. Refer to our PV Chart (page 2) in order to determine approximate criteria.

Example: A 1.000 shaft is chosen. The PV chart shows that a 1.000 shaft operating at 1100 RPM will carry 175 pounds per sq. inch load.



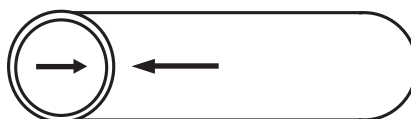
Materials Steels containing approximately 0.4% carbon are recommended, and any steels with a lower content should be avoided. The 1137-1141 series, for example, are effective grades for shaft material. In addition, drill rod and hardened and ground steels can be used.

Hard chromium plated materials are recommended when corrosion resistance is required. The performance of stainless steel materials does not equal that of straight carbon-alloy steels. If stainless steel must be used, the 300 series should be avoided. The 400 series is a good choice in stainless, and 416 stainless, heat-treated to maximum hardness, is the best.

Zinc or cadmium plating on shafts must be avoided as they are too soft and will ball up, resulting in a loss of bearing porosity, and lubrication.

Finishes Shaft finish is critical to long bearing life. Recommended finish is 16 RMS to 8 RMS. In some cases, a 32 RMS finish may be adequate if the application is not too precise.

BEARING WALL THICKNESS



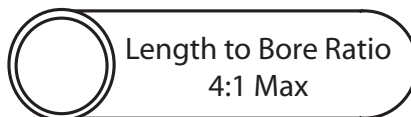
For bearings less than 1/4 inch ID, the minimum wall thickness is 1/32 inch. For bearings 1/4 inch ID and larger, use the following formula to determine wall thickness:

Example:

Wall thickness = .125 x Shaft dia.
1" shaft
Wall thickness = .125 x 1000
Wall thickness = .125

Larger bearings with extremely thin walls are more costly to produce and result in increased unit costs.

BEARING LENGTH



Maximum length is determined by using a ratio of length to bore, not to exceed 4:1. For diameters less than 1/4 inch, use a smaller ratio.

To determine proper bearing length, refer to the PV chart (page 2). It will give the unit load per square for a specific speed and shaft size. By dividing the unit load per square inch into the total load to be carried by the bearing, the minimum length

is found. In addition we recommend that a safety margin be used. By adding extra length, the bearing avoids operating at extreme limits.

Example: 180 Lb. load
1100 RPM
1.000 Bearing ID

PV chart indicates
175 PSI UNIT LOAD

$180 \div 175 = 1.029$ minimum length

1.029 (minimum length)
.221 (safety margin)
1.250 suggested length

LOADS AND SPEEDS

Load and speed limitations must be ascertained in order to insure proper bearing design. If design limits are exceeded, the bearing life will decrease and could result in premature failure. To determine the capacity of a bearing, use the following PV formula:

PV = The load per square inch of projected area

V = Shaft velocity in feet per minute

P = $\frac{\text{load}}{\text{I.D.} \times \text{length}}$

V = R.P.M. x shaft diameter x .262

PV = P x V

1 The maximum P is 2000 P.S.I.

2 The maximum V is 1200 S.F.M.

3 The maximum PV is 50,000

Example: 180 Lb. load
1100 RPM
1.000 I.D. x 1.250

P = $\frac{180}{1.000 \times 1.250}$

P = 144 WITHIN LIMIT

V = $1100 \times 1.00 \times .262$

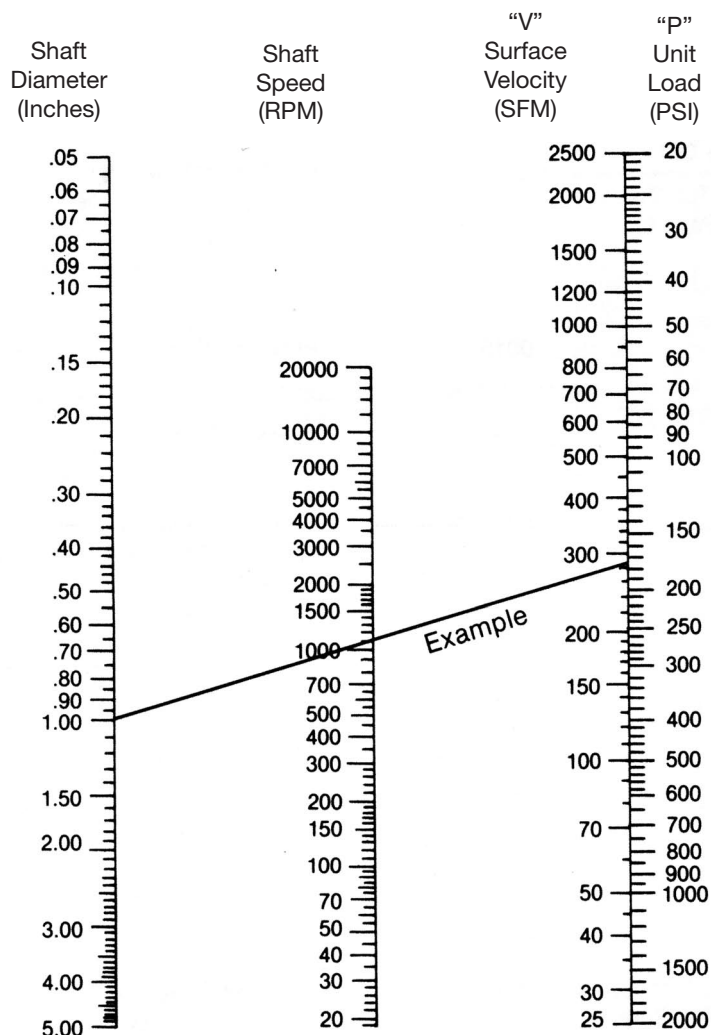
V = 288 SFM WITHIN LIMIT

PV = 144×288

PV = 41472 WITHIN LIMIT

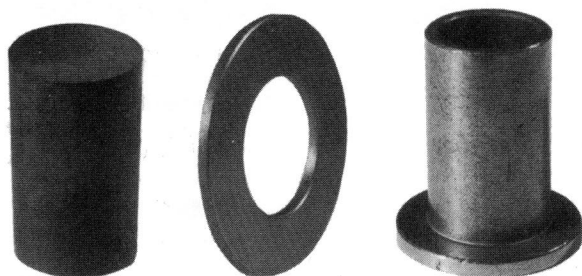
LOAD AND SPEED ("PV") CHART

BASED ON CONTINUOUS ROTATION



Connect two know values
with a straight edge to deter-
mine the third value

Max P = 2000
Max V = 1200



TOLERANCES

Based on ASTM Specifications

SLEEVE AND FLANGE BEARING

I.D. or O.D. Size:

Up to 1-1/2"	+.000	-.001
1-1/2" to 2-1/2"	+.000	-.0015
2-1/2" to 3"	+.000	-.002
3" to 4"	+.000	-.003
4" to 5"	+.000	-.004
5" to 6"	+.000	-.005

Length

Up to 1-1/2"	± .005
1-1/2" to 3"	± .0075
3" to 5"	± .010

Flange Diameter

Up to 1-1/2"	± .005
1-1/2" to 3"	± .010
3" to 6"	± .025

Flange Thickness

Based on Flange O.D.

Up to 1-1/2"	± .005
1-1/2" to 3"	± .010
3" to 6"	± .015

Concentricity

Up to 1-1/2"	.003
1-1/2" to 2"	.004
2" to 4"	.005
4" to 5"	.006

THRUST BEARING

Inside Diameter

Up to 1-1/4"	± .005
1-1/4" to 2-1/2"	± .010
2-1/2" to 4"	± .015
4" to 6"	± .020

Outside Diameter

Up to 1-1/2"	± .001
1-1/2" to 3"	± .015
3" to 4-1/2"	± .020
4-1/2" to 6"	± .025

Thickness

± .0025

Parallelism of Faces

Based on O.D.

Up to 1-1/2"	.002
1-1/2" to 3-1/2"	.003
3-1/2" to 6"	.004

CHECK FOR SIZE USAGE

From the calculations on the work sheet we have determined that the ideal dimensions should be

1.0035 1.252
1.0045 X 1.253 X 1-1/4

This stock list shows a size of

1.004 1.2515
1.005 X 1.2525 X 1-1/4 (AA1204-2)

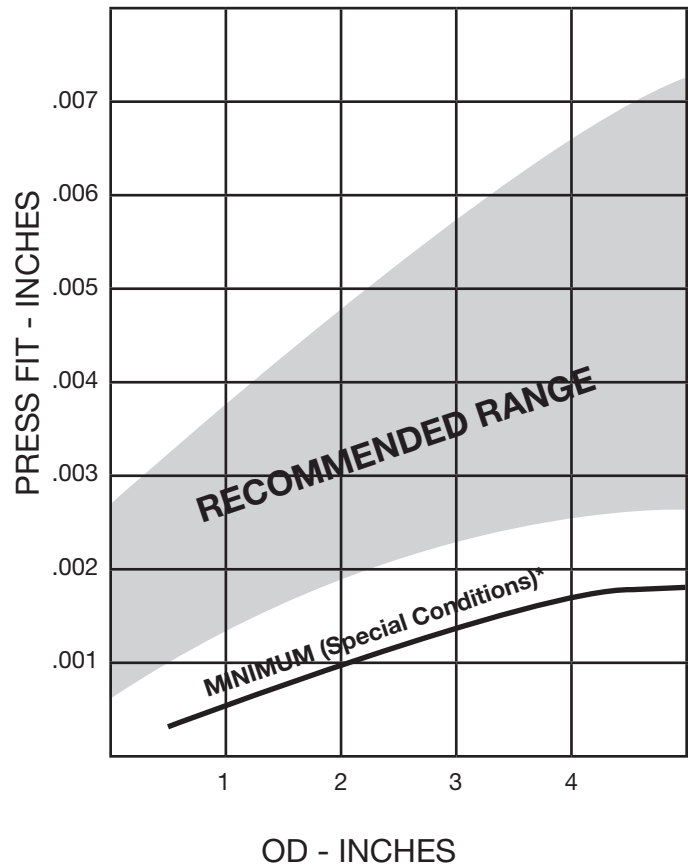
A check can be made to see if this standard size can be used.

Bearing O.D.	1.2525	1.2515
Housing Bore	<u>-1.2495</u>	<u>-1.2505</u>
Press Fits	.0030	.0010
Close in factor	x .8	x .8
Close in (to nearest .0005)	.0025	.0010*
Bearing I.D.	1.0050	1.0040
Close-in	<u>-.0010</u>	<u>-.0025</u>
I.D. after assembly	1.0040	1.0015
Shaft diameter	<u>-.9995</u>	<u>-1.0000</u>
Bearing Clearance	.0045	.0015

*Press fit deviation of .0005 is acceptable.

By using a standard size, tool costs are reduced and parts are in ready supply.

POWDER METAL PRESS FIT VALUES

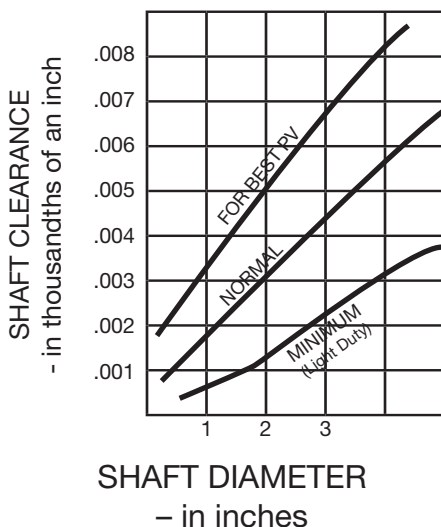


Considerable force is required to seat large bearing when press fit approaches the top of the recommended range.

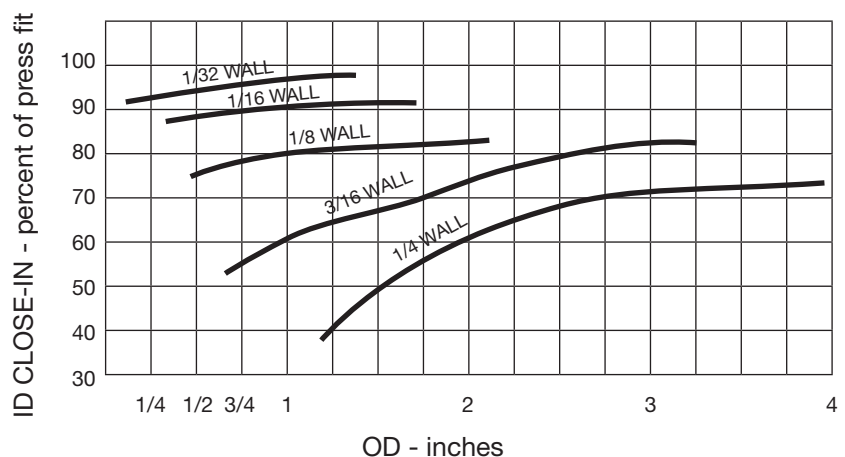
* Less than normal press fit proves satisfactory.

- (1) if the bearing is long and the wall is not exceptionally thin, and
- (2) if the bearing is also carrying a moderate load exerted only in one direction.

BEARING CLEARANCE POWDER METAL BEARINGS



ID CLOSE-IN BEARING CLEARANCE POWDER METAL BEARINGS



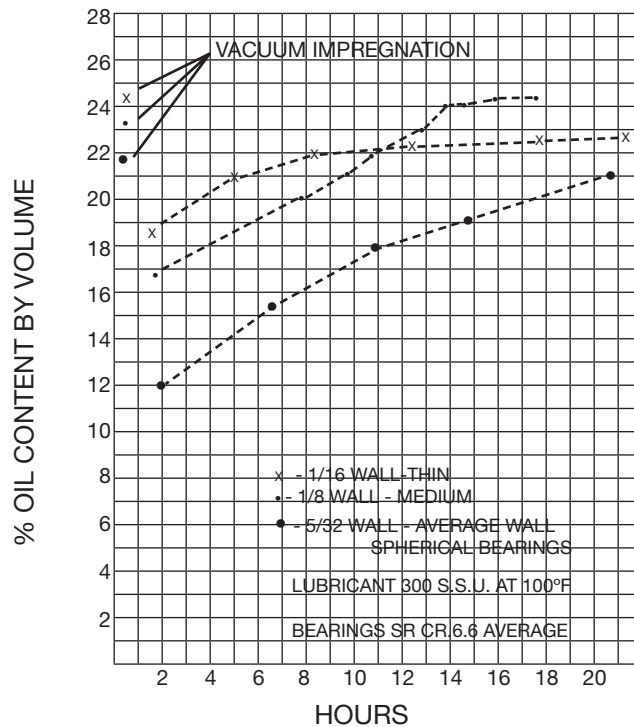
LUBRICATION

Proper lubrication is essential for the bearing, and we use the highest quality oils available. Our standard lubricant has an effective operating range from +10°F to +175°F. Applications requiring extended or unusual operating ranges must be identified so that we can select a special lubricant to do the job. This impregnation process is available for a minimal charge.

Supplementary Lubrication Additional lubrication can be provided thru the use of oil soaked felts, wicks, etc., or by periodic oiling. A unique advantage of this type of bearing is that it does not require any grooving or holes to distribute the oil across the bearing surfaces. This type of bearing distributes oil evenly across the bearing face due to the microscopic pores in the material.

Storage of Bearings These bearings must be stored in non-absorbing containers. Do not store in paper or cloth containers. Do not store in cardboard boxes! The best containers are made of plastic or metal.

De-Oiling To remove oil from a bearing, immerse it in a solvent for 12 hours. An aromatic solvent is recommended. Chlorinated solvents should be avoided, as they can initiate corrosion within the pores of the material. After soaking in solvent, the bearings should air dry until the absorbed solvent is evaporated.



Immersion versus vacuum impregnation for bearing lubrication.

Re-Oiling The most efficient method of impregnation is by the vacuum process. However, this process is typically available only to bearing manufacturers. Re-oiling can also be accomplished by immersing the bearings in oil heated to 150-175°F. This method will result in a 90% saturation of the bearing material. The graph above indicates the length of time required to achieve maximum impregnation by both methods.

CUSTOM MADE BEARINGS

Custom bearings can be designed and manufactured according to customer specifications, including requirements for special dimensions and/or materials. Our inventory provides for a large supply of nearly all the powdered metal mixes used in bearing manufacture. Please give us a call and tell us your special needs.

MATERIAL SPECIFICATIONS

Composition %	Density (gm/cc)	Porosity (% by Vol.)	K Strength Constant	Tensile Strength	Elongation (in 1")	Yield Strength PSI	Comparable Designations
Copper 87.5-90.5 Iron 1.0 max. Tin 9.5-10.5 Carbon 1.75 max. Other Elements 0.5	6.4-6.8	19 min.	26500	14000	1	11000	ASTM B-438-70 GR1 Type II MPIF CT-0010-R SAE 841 Mil-B-5687C Type I. Comp. A

MATERIAL SPECIFICATIONS

Copper 18.0-22.0 Iron Balance Other Elements 2.0	5.8-6.2	19 min.	40000	22000	1	22000	ASTM B-439-70 GR 4 SAE 863. Type 3 Mil-B-5687C Type II - Comp. B
--	---------	---------	-------	-------	---	-------	--

POWDERED METAL SLEEVE BEARINGS

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
1/8 X 3/16 NOMINAL					
.125	.190	5/32	101001	AA-101-8	
		1/4	101002	AA-101-2	
		3/8	101003	AA-101	
		1/2	101004	AA-101-1	
.1265	.1895	1/8	101005	AA-110-1	
		1/4	101006	AA-110-2	
		5/16	101007	AA-110-4	
.127	.1895	1/4	401001	SS-46-4	
		1/2	401002	SS-46-8	
.127	.1905	1/4	201001	P-12-2 (EP020304)	
		1/2	201002	P-12-4 (EP020308)	
1/8 X 7/32 NOMINAL					
.127	.222	1/4	101008	AA-223	
		3/8	101009	AA-223-1	
1/8 X 1/4 NOMINAL					
.127	.252	1/8	301001	B-24-1	
		1/4	301002	B-24-2	
		3/8	301003	B-24-3	
		1/2	301004	B-24-4	
.127	.252	1/8	401003	SS-48-2	
		1/4	401004	SS-48-4	
		3/8	401005	SS-48-6	
		1/2	401006	SS-48-8	
.127	.253	1/8	201003	P-13-1 (EP020402)	
		1/4	201004	P-13-2 (EP020404)	
		3/8	201005	P-13-3 (EP020406)	
		1/2	201006	P-13-4 (EP020408)	
.128	.253	1/4	101010	AA-224	
		3/8	101011	AA-224-1	
1/8 X 5/16 NOMINAL					
.127	.3145	1/4	401007	SS-410-4	
		3/8	401008	SS-410-6	
		1/2	401009	SS-410-8	
.127	.315	1/8	301005	B-25-1	
		1/4	301006	B-25-2	
		3/8	301007	B-25-3	
		1/2	301008	B-25-4	
		5/8	301009	B-25-5	
.127	.3155	1/8	201007	P-14-1 (EP020502)	
		1/4	201008	P-14-2 (EP020504)	
		3/8	201009	P-14-3 (EP020506)	
		1/2	201010	P-14-4 (EP020508)	
1/8 X 3/8 NOMINAL					
.127	.377	1/4	101012	AA-337-2	
		1/2	101013	AA-337-3	
5/32 X 7/32 NOMINAL					
.156	.220	1/4	101014	AA-211	
		3/8	101015	AA-211-1	
5/32 X 1/4 NOMINAL					
.1565	.2525	3/8	101016	AA-238	
.159	.253	1/4	101017	AA-204-1	
		5/16	101018	AA-204	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
3/16 X 1/4 NOMINAL					
.1875	.252	1/4	101019	AA-225-2	
		5/16	101020	AA-225-1	
		3/8	101021	AA-225-6	
		1/2	101022	AA-225-4	
		5/8	101023	AA-225-3	
.1885	.252	1/4	101024	AA-226-1	
		3/8	101025	AA-226-2	
		7/16	101026	AA-226	
		1/2	101027	AA-226-3	
		5/8	101028	AA-226-4	
.189	.252	1/4	301010	B-34-2	
		3/8	301011	B-34-3	
		1/2	301012	B-34-4	
		5/8	301013	B-34-5	
		3/4	301014	B-34-6	
.189	.252	1/4	401010	SS-68-4	
		3/8	401011	SS-68-6	
		1/2	401012	SS-68-8	
		5/8	401013	SS-68-10	
		3/4	401014	SS-68-12	
.1895	.253	1/4	201011	P-18-2 (EP030404)	
		3/8	201012	P-18-3 (EP030406)	
		1/2	201013	P-18-4 (EP030408)	
		5/8	201014	P-18-5 (EP030410)	
		3/4	201015	P-18-6 (EP030412)	
3/16 X 5/16 NOMINAL					
.1885	.3145	3/16	101029	AA-309-9	
		1/4	101030	AA-309	
		5/16	101031	AA-309-3	
		3/8	101032	AA-309-4	
		7/16	101033	AA-309-8	
		1/2	101034	AA-309-14	
		5/8	101035	AA-309-7	
		3/4	101036	AA-309-5	
.189	.314	1/4	301015	B-35-2	
		3/8	301016	B-35-3	
		1/2	301017	B-35-4	
		5/8	301018	B-35-5	
		3/4	301019	B-35-6	
.1895	.3145	3/16	101037	AA-331	
		1/4	101038	AA-331-2	
		3/8	101039	AA-331-3	
.1895	.3155	3/16	201554	P-19-1.5 (EP030503)	
		1/4	201016	P-19-2 (EP030504)	
		5/16	201555	P-19-2.5 (EP030505)	
		3/8	201017	P-19-3 (EP030506)	
		1/2	201018	P-19-4 (EP030508)	
		5/8	201019	P-19-5 (EP030510)	
		3/4	201020	P-19-6 (EP030512)	
		1	201021	P-19-8 (EP030516)	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
.190	.3145	1/4	401015	SS-610-4	
		3/8	401016	SS-610-6	
		1/2	401017	SS-610-8	
		5/8	401018	SS-610-10	
		3/4	401019	SS-610-12	
		1	401020	SS-610-16	
3/16 X 3/8 NOMINAL					
.1885	.3775	1/4	101040	AA-346-1	
		3/8	101041	AA-346-2	
		1/2	101042	AA-346	
.1895	.378	1/4	201556	P-20-2 (EP030604)	
		3/8	201022	P-20-3 (EP030606)	
		1/2	201023	P-20-4 (EP030608)	
		5/8	201024	P-20-5 (EP030610)	
		3/4	201025	P-20-6 (EP030612)	
.190	.377	3/8	401021	SS-612-6	
		1/2	401022	SS-612-8	
		5/8	401023	SS-612-10	
		3/4	401024	SS-612-12	
7/32 X 5/16 NOMINAL					
.219	.3145	5/16	101043	AA-318	
		3/8	101044	AA-318-1	
7/32 X 7/16 NOMINAL					
.219	.440	1/2	101045	AA-410-2	
		3/4	101046	AA-410-3	
1/4 X 5/16 NOMINAL					
.2505	.3145	1/4	101047	AA-397-1	
		1/2	101048	AA-397	
.2515	.3155	1/4	101049	AA-347-2	
		3/8	101050	AA-347-3	
.252	.315	1/4	401025	SS-810-4	
		3/8	401026	SS-810-6	
		1/2	401027	SS-810-8	
		3/4	401028	SS-810-12	
.252	.3155	1/4	201026	P-25-2 (EP040504)	
		3/8	201027	P-25-3 (EP040506)	
		1/2	201028	P-25-4 (EP040508)	
		5/8	201557	P-25-5 (EP040510)	
		3/4	201029	P-25-6 (EP040512)	
.253	.3155	1/2	101051	AA-335-4	
		5/8	101052	AA-335-6	
		3/4	101053	AA-335-5	
1/4 X 3/8 NOMINAL					
.2505	.377	1/4	101054	AA-304-35	
		5/16	101055	AA-304-9	
		3/8	101056	AA-304-7	
		7/16	101057	AA-304-24	
		1/2	101058	AA-304-2	
		9/16	101059	AA-304-5	
		5/8	101060	AA-304-1	
		3/4	101061	AA-304-22	
		7/8	101062	AA-304-21	
		1	101063	AA-304-20	
		1-1/8	101064	AA-304-33	
		1-1/4	101065	AA-304-11	

POWDERED METAL SLEEVE BEARINGS

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
1/4 X 3/8 NOMINAL (cont.)					
.252	.377	1/4	101066	AA-307	
		5/16	101067	AA-307-1	
		3/8	101068	AA-307-9	
		1/2	101069	AA-307-3	
		5/8	101070	AA-307-10	
		3/4	101071	AA-307-11	
		1	101072	AA-307-2	
		1-1/8	101073	AA-307-13	
.252	.377	1/4	301020	B-46-2	
		5/16	301021	B-46-2-1/2	
		3/8	301022	B-46-3	
		1/2	301023	B-46-4	
		5/8	301024	B-46-5	
		3/4	301025	B-46-6	
		7/8	301026	B-48-7	
		1	301027	B-46-8	
		1-1/4	301028	B-46-10	
.252	.377	1/4	401029	SS-812-4	
		3/8	401030	SS-812-6	
		1/2	401031	SS-812-8	
		5/8	401032	SS-812-10	
		3/4	401033	SS-812-12	
		7/8	401034	SS-812-14	
		1	401035	SS-812-16	
		1-1/4	401036	SS-812-20	
.252	.378	1/4	201030	P-26-2 (EP040604)	
		5/16	201558	P-26-2.5 (EP040605)	
		3/8	201031	P-26-3 (EP040606)	
		7/16	201559	P-26-3.5 (EP040607)	
		1/2	201032	P-26-4 (EP040608)	
		5/8	201033	P-26-5 (EP040610)	
		3/4	201034	P-26-6 (EP040612)	
		7/8	201035	P-26-7 (EP040614)	
		1	201036	P-26-8 (EP040616)	
		1-1/8	201037	P-26-9 (EP040618)	
		1-1/4	201038	P-26-10 (EP040620)	
.253	.377	1/4	101074	AA-385-1	
		1/2	101075	AA-385	
		3/4	101076	AA-385-2	
1/4 X 7/16 NOMINAL					
.251	.4395	3/8	101077	AA-430	
		1/2	101078	AA-430-1	
.251	.4395	5/8	101079	AA-430-5	
		3/4	101080	AA-430-2	
		7/8	101081	AA-430-6	
		1	101082	AA-430-3	
.252	.439	3/8	301029	B-47-3	
		1/2	301030	B-47-4	
		5/8	301031	B-47-5	
		3/4	301032	B-47-6	
		7/8	301033	B-47-7	
		1	301034	B-47-8	

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
.252	.439	3/8	401037	SS-814-6	
		1/2	401038	SS-814-8	
		5/8	401039	SS-814-10	
		3/4	401040	SS-814-12	
		7/8	401041	SS-814-14	
		1	401042	SS-814-16	
.252	.4395	3/8	101083	AA-412-10	
		1/2	101084	AA-412-7	
		5/8	101085	AA-412-6	
		3/4	101086	AA-412-1	
		1	101087	AA-412-8	
.252	.4405	3/8	201039	P-27-3 (EP040706)	
		1/2	201040	P-27-4 (EP040708)	
		5/8	201041	P-27-5 (EP040710)	
		3/4	201042	P-27-6 (EP040712)	
		7/8	201043	P-27-7 (EP040714)	
		1	201044	P-27-8 (EP040716)	
1/4 X 1/2 NOMINAL					
.252	.5015	5/16	101088	AA-519-4	
		1/2	101089	AA-519-1	
		3/4	101090	AA-519-2	
		1	101091	AA-519-3	
.252	.502	3/8	301035	B-48-3	
		1/2	301036	B-48-4	
		5/8	301037	B-48-5	
		3/4	301033	B-48-6	
		7/8	301039	B-48-7	
		1	301040	B-48-8	
		1-1/4	301041	B-48-10	
.252	.503	5/16	201560	P-28-2.5 (EP040805)	
		1/2	201045	P-28-4 (EP040808)	
		3/4	201046	P-28-6 (EP040812)	
		1	201047	P-28-8 (EP040816)	
		1-1/4	201048	P-28-10 (EP040820)	
.252	.503	1/2	401043	SS-816-8	
		3/4	401044	SS-816-12	
		1	401045	SS-816-16	
		1-1/4	401046	SS-816-20	
5/16 X 3/8 NOMINAL					
.3135	.377	1/4	101092	AA-306-11	
		5/16	101093	AA-306-1	
		3/8	101094	AA-306-3	
		1/2	101095	AA-306-7	
		5/8	101096	AA-306-8	
		3/4	101097	AA-306-6	
.314	.377	3/8	301042	B-56-3	
		1/2	301043	B-56-4	
		5/8	301044	B-56-5	
		3/4	301045	B-56-6	
		7/8	301046	B-56-7	
		1	301047	B-56-8	

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
.3145	.378	1/4	201049	P-31-2 (EP050604)	
		3/8	201050	P-31-3 (EP050606)	
		1/2	201051	P-31-4 (EP050608)	
		5/8	201052	P-31-5 (EP050610)	
		3/4	201053	P-31-6 (EP050612)	
		7/8	201054	P-31-7 (EP050614)	
		1	201055	P-31-8 (EP050616)	
.3145	.378	1/4	401047	SS-1012-4	
		3/8	401048	SS-1012-6	
		1/2	401049	SS-1012-8	
		5/8	401050	SS-1012-10	
		3/4	401051	SS-1012-12	
		7/8	401052	SS-1012-14	
		1	401053	SS-1012-16	
5/16 X 7/16 NOMINAL					
.3115	.441	3/8	101098	AA-403	
		1/2	101099	AA-403-2	
.3125	.440	1/4	101100	AA-407-1	
		5/16	101101	AA-407-10	
		3/8	101102	AA-407-7	
		1/2	101103	AA-407-3	
		5/8	101104	AA-407-2	
		3/4	101105	AA-407-4	
.3135	.4395	1/4	101106	AA-401-17	
		5/16	101107	AA-401-25	
		3/8	101110	AA-401-2	
		7/16	101108	AA-401-20	
		1/2	101111	AA-401-3	
		5/8	101112	AA-401-21	
		11/16	101109	AA-401-11	
		3/4	101113	AA-401-5	
		7/8	101114	AA-401-12	
		1	101115	AA-401-1	
		1-1/8	101116	AA-401	
		1-1/4	101117	AA-401-6	
		1-3/8	101118	AA-401-8	
.314	.439	1/4	301048	B-57-2	
		3/8	301049	B-57-3	
		1/2	301050	B-57-4	
		5/8	301051	B-57-5	
		3/4	301052	B-57-6	
		7/8	301053	B-57-7	
		1	301054	B-57-8	
		1-1/4	301055	B-57-10	
		1-3/8	301056	B-57-11	
.3145	.440	1/4	401054	SS-1014-4	
		3/8	401055	SS-1014-6	
		1/2	401056	SS-1014-8	
		5/8	401057	SS-1014-10	
		3/4	401058	SS-1014-12	
		7/8	401059	SS-1014-14	
		1	401060	SS-1014-16	
		1-1/8	401061	SS-1014-18	
		1-1/4	401062	SS-1014-20	

POWDERED METAL SLEEVE BEARINGS

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
5/16 x 7/16 NOMINAL (cont.)					
.3145	.4405	1/4	201056	P-32-2 (EP050704)	
		5/16	201561	P-32-2.5 (EP050705)	
		3/8	201057	P-32-3 (EP050706)	
		1/2	201058	P-32-4 (EP050708)	
		5/8	201059	P-32-5 (EP050710)	
		3/4	201060	P-32-6 (EP050712)	
		7/8	201061	P-32-7 (EP050714)	
		1	201062	P-32-8 (EP050716)	
		1-1/8	201063	P-32-9 (EP050718)	
		1-1/4	201064	P-32-10 (EP050720)	
.3155	.4395	1/4	101119	AA-417-7	
		1/2	101120	AA-417	
		3/4	101121	AA-417-3	
5/16 X 1/2 NOMINAL					
.3125	.503	3/8	101122	AA-520-8	
		1/2	101123	AA-520-3	
		5/8	101124	AA-520-4	
		3/4	101125	AA-520-1	
		7/8	101126	AA-520-2	
		1	101127	AA-520-5	
.314	.502	3/8	301057	B-58-3	
		1/2	301058	B-58-4	
		5/8	301059	B-58-5	
		3/4	301060	B-58-6	
		7/8	301061	B-58-7	
		1	301062	B-58-8	
		1-1/4	301063	B-58-10	
		1-1/2	301064	B-58-12	
		1-3/4	301065	B-58-14	
.314	.503	1/4	101128	AA-506-16	
		3/8	101129	AA-506-2	
		1/2	101130	AA-506-7	
		9/16	101131	AA-506-1	
		5/8	101132	AA-506-3	
		3/4	101133	AA-506-8	
		1	101134	AA-506-9	
.3145	.503	3/8	201065	P-33-3 (EP050806)	
		1/2	201066	P-33-4 (EP050808)	
		5/8	201067	P-33-5 (EP050810)	
		3/4	201068	P-33-6 (EP050812)	
		7/8	201069	P-33-7 (EP050814)	
		1	201070	P-33-8 (EP050816)	
		1-1/4	201071	P-33-10 (EP050820)	
		1-1/2	201072	P-33-12 (EP050824)	
.3145	.503	3/8	401063	SS-1016-6	
		1/2	401064	SS-1016-8	
		5/8	401065	SS-1016-10	
		3/4	401066	SS-1016-12	
		7/8	401067	SS-1016-14	
		1	401068	SS-1016-16	
		1-1/4	401069	SS-1016-20	
		1-1/2	401070	SS-1016-24	

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
3/8 X 7/16 NOMINAL					
.3765	.440	1/4	101135	AA-432-4	
		3/8	101136	AA-432-2	
		1/2	101137	AA-432-1	
		3/4	101138	AA-432-3	
.377	.440	1/2	401071	SS-1214-8	
		5/8	401072	SS-1214-10	
		3/4	401073	SS-1214-12	
		1	401074	SS-1214-16	
.377	.4405	1/2	201073	P-37-4 (EP060708)	
		5/8	201074	P-37-5 (EP060710)	
		3/4	201075	P-37-6 (EP060712)	
		1	201076	P-37-8 (EP060716)	
3/8 X 1/2 NOMINAL					
.375	.503	1/4	101139	AA-521-4	
		3/8	101140	AA-521-9	
		7/16	101141	AA-521-8	
		1/2	101142	AA-521-1	
		5/8	101143	AA-521-10	
		3/4	101144	AA-521	
		7/8	101145	AA-521-2	
		1	101146	AA-521-11	
		1-1/4	101147	AA-521-12	
.3765	.503	3/16	101148	AA-507-12	
		1/4	101149	AA-507-19	
		5/16	101150	AA-507-13	
		3/8	101151	AA-507-11	
		7/16	101152	AA-507-4	
		1/2	101153	AA-507-10	
		5/8	101154	AA-507-5	
		3/4	101155	AA-507-2	
		7/8	101156	AA-507-3	
		1	101157	AA-507-23	
		1-1/8	101158	AA-507-17	
.377	.502	3/8	301066	B-68-3	
		1/2	301067	B-68-4	
		5/8	301068	B-68-5	
		3/4	301069	B-68-6	
		7/8	301070	B-68-7	
		1	301071	B-68-8	
		1-1/4	301072	B-68-10	
.377	.503	3/16	201563	P-38-1.5 (EP060803)	
		1/4	201077	P-38-2 (EP060804)	
		5/16	201564	P-38-2.5 (EP060805)	
		3/8	201078	P-38-3 (EP060806)	
		7/16	201565	P-38-3.5 (EP060807)	
		1/2	201079	P-38-4 (EP060808)	
		5/8	201080	P-38-5 (EP060810)	
		3/4	201081	P-38-6 (EP060812)	
		7/8	201082	P-38-7 (EP060814)	
		1	201083	P-38-8 (EP060816)	
		1-1/8	201084	P-38-9 (EP060818)	
		1-1/4	201085	P-38-10 (EP060820)	

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
.378	.5025	1/4	101159	AA-502-5	
		1/2	101160	AA-502	
		5/8	101161	AA-502-3	
		3/4	101162	AA-502-1	
		1	1-1163	AA-502-2	
.378	.503	1/4	401075	SS-1216-4	
		3/8	401076	SS-1216-6	
		1/2	401077	SS-1216-8	
		5/8	401078	SS-1216-10	
		3/4	401079	SS-1216-12	
		7/8	401080	SS-1216-14	
		1	401081	SS-1216-16	
		1-1/8	401082	SS-1216-18	
		1-1/4	401083	SS-1216-20	
3/8 X 9/16 NOMINAL					
.3765	.5655	3/8	101164	AA-516-5	
		1/2	101165	AA-516-6	
		9/16	101166	AA-516-3	
		11/16	101167	AA-516	
		3/4	101168	AA-516-10	
		1	101169	AA-516-8	
		1-1/4	101170	AA-516-2	
.377	.5645	3/8	301073	B-69-3	
		1/2	301074	B-69-4	
		5/8	301075	B-69-5	
		3/4	301076	B-69-6	
		7/8	301077	B-69-7	
		1	301078	B-69-8	
		1-1/4	301079	B-69-10	
.377	.5655	3/8	201086	P-39-3 (EP060906)	
		1/2	201087	P-39-4 (EP060908)	
		5/8	201088	P-39-5 (EP060910)	
		3/4	201089	P-39-6 (EP060912)	
		7/8	201090	P-39-7 (EP060914)	
		1	201091	P-39-8 (EP060916)	
		1-1/4	201092	P-39-10 (EP060920)	
.378	.565	3/8	401084	SS-1218-6	
		1/2	401085	SS-1218-8	
		5/8	401086	SS-1218-10	
		3/4	401087	SS-1218-12	
		7/8	401088	SS-1218-14	
		1	401089	SS-1218-16	
		1-1/4	401090	SS-1218-20	
3/8 X 5/8 NOMINAL					
.376	.627	3/8	101171	AA-630-8	
		7/16	101172	AA-630-16	
		1/2	101173	AA-630-11	
		5/8	101174	AA-630-6	
		3/4	101175	AA-630-12	
		7/8	101176	AA-630	
		1	101177	AA-630-7	
		1-1/8	101178	AA-630-1	
		1-1/4	101179	AA-630-2	

POWDERED METAL SLEEVE BEARINGS

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
3/8 x 5/8 NOMINAL (cont.)					
.377	.627	3/8	301080	B-610-3	
		1/2	301081	B-610-4	
		5/8	301082	B-610-5	
		3/4	301083	B-610-6	
		7/8	301084	B-610-7	
		1	301085	B-610-8	
		1-1/4	301086	B-610-10	
.377	.628	3/8	201093	P-40-3 (EP061006)	
		1/2	201094	P-40-4 (EP061008)	
		5/8	201095	P-40-5 (EP061010)	
		3/4	201096	P-40-6 (EP061012)	
		7/8	201097	P-40-7 (EP061014)	
		1	201098	P-40-8 (EP061016)	
		1-1/4	201099	P-40-10 (EP061020)	
.378	.628	3/8	401091	SS-1220-6	
		1/2	401092	SS-1220-8	
		5/8	401093	SS-1220-10	
		3/4	401094	SS-1220-12	
		7/8	401095	SS-1220-14	
		1	401096	SS-1220-16	
		1-1/4	401097	SS-1220-20	
		1-1/2	401098	SS-1220-24	
3/8 X 11/16 NOMINAL					
.3765	.689	3/4	101180	AA-615	
		1-1/2	101181	AA-615-2	
3/8 X 3/4 NOMINAL					
.377	.753	1/2	101182	AA-707-2	
		3/4	101183	AA-707-3	
		1	101184	AA-707	
		1-1/4	101185	AA-707-4	
.377	.753	3/8	301087	B-612-3	
		1/2	301088	B-612-4	
		3/4	301089	B-612-6	
		1	301090	B-612-8	
		1-1/4	301091	B-612-10	
.377	.753	3/8	201100	P-41-3 (EP061206)	
		1/2	201101	P-41-4 (EP061208)	
		3/4	201102	P-41-6 (EP061212)	
		1	201103	P-41-8 (EP061216)	
		1-1/4	201104	P-41-10 (EP061220)	
.378	.753	3/8	401099	SS-1224-6	
		1/2	401100	SS-1224-8	
		3/4	401101	SS-1224-12	
		1	401102	SS-1224-16	
		1-1/4	401103	SS-1224-20	
7/16 X 9/16 NOMINAL					
.439	.5645	3/8	301092	B-79-3	
		1/2	301093	B-79-4	
		5/8	301094	B-79-5	
		3/4	301095	B-79-6	
		7/8	301096	B-79-7	
		1	301097	B-79-8	
		1-1/4	301098	B-79-10	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
.439	.565	5/16	101186	AA-515-1	
		3/8	101187	AA-515-21	
		1/2	101188	AA-515-2	
		5/8	101189	AA-515-3	
		3/4	101190	AA-515	
		13/16	101191	AA-515-12	
		15/16	101192	AA-515-6	
		1	101193	AA-515-8	
.4395	.5655	3/8	201105	P-43-3 (EP070906)	
		1/2	201106	P-43-4 (EP070908)	
		5/8	201107	P-43-5 (EP070910)	
		3/4	201108	P-43-6 (EP070912)	
		7/8	201109	P-43-7 (EP070914)	
		1	201110	P-43-8 (EP070916)	
		1-1/4	201111	P-43-10 (EP070920)	
.440	.565	3/8	401104	SS-1418-6	
		1/2	401105	SS-1418-8	
		5/8	401106	SS-1418-10	
		3/4	401107	SS-1418-12	
		7/8	401108	SS-1418-14	
		1	401109	SS-1418-16	
		1-1/4	401110	SS-1418-20	
7/16 X 5/8 NOMINAL					
.439	.627	3/8	101194	AA-627-5	
		7/16	101195	AA-627-13	
		1/2	101196	AA-627-8	
		5/8	101197	AA-627-3	
		3/4	101198	AA-627	
		1	101199	AA-627-4	
		1-1/4	101200	AA-627-1	
		1-1/2	101201	AA-627-7	
.439	.628	3/8	301099	B-710-3	
		1/2	301100	B-710-4	
		5/8	301101	B-710-5	
		3/4	301102	B-710-6	
		7/8	301103	B-710-7	
		1	301104	B-710-8	
		1-1/4	301105	B-710-10	
.4395	.628	3/8	201112	P-44-3 (EP071006)	
		1/2	201113	P-44-4 (EP071008)	
		5/8	201114	P-44-5 (EP071010)	
		3/4	201115	P-44-6 (EP071012)	
		7/8	201116	P-44-7 (EP071014)	
		1	201117	P-44-8 (EP071016)	
		1-1/4	201118	P-44-10 (EP071020)	
		1-1/2	201119	P-44-12 (EP071024)	
.440	.628	3/8	401111	SS-1420-6	
		1/2	401112	SS-1420-8	
		5/8	401113	SS-1420-10	
		3/4	401114	SS-1420-12	
		7/8	401115	SS-1420-14	
		1	401116	SS-1420-16	
		1-1/4	401117	SS-1420-20	
		1-1/2	401118	SS-1420-24	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
7/16 X 11/16 NOMINAL					
.439	.690	1/2	301106	B-711-4	
		1	301107	B-711-8	
		1-1/2	301108	B-711-12	
.4395	.6905	1/2	201120	P-45-4 (EP071108)	
		1	201121	P-45-8 (EP071116)	
		1-1/2	201122	P-45-12 (EP071124)	
.4395	.6905	1/2	401119	SS-1422-8	
		1	401120	SS-1422-16	
		1-1/2	401121	SS-1422-24	
1/2 X 5/8 NOMINAL					
.5015	.628	5/16	101202	AA-623-21	
		3/8	101203	AA-628-7	
		7/16	101204	AA-628-8	
		1/2	101205	AA-628-10	
		9/16	101206	AA-628-3	
		5/8	101207	AA-628-25	
		11/16	101208	AA-628-12	
		3/4	101209	AA-628-6	
		7/8	101210	AA-628-20	
		1	101211	AA-628	
		1-1/4	101212	AA-628-11	
		1-1/2	101213	AA-628-5	
.502	.628	1/2	301109	B-810-4	
		5/8	301110	B-810-5	
		3/4	301111	B-810-6	
		7/8	301112	B-810-7	
		1	301113	B-810-8	
		1-1/8	301114	B-810-9	
		1-1/4	301115	B-810-10	
		1-1/2	301116	B-810-12	
.502	.628	5/16	201566	P-50-2.5 (EP081005)	
		3/8	201123	P-50-3 (EP081006)	
		7/16	201567	P-50-3.5 (EP081007)	
		1/2	201124	P-50-4 (EP081008)	
		9/16	201568	P-50-4.5 (EP081009)	
		5/8	201125	P-50-5 (EP081010)	
		11/16	201569	P-50-5.5 (EP081011)	
		3/4	201126	P-50-6 (EP081012)	
		7/8	201127	P-50-7 (EP081014)	
		1	201128	P-50-8 (EP081016)	
		1-1/8	201129	P-50-9 (EP081018)	
		1-1/4	201130	P-50-10 (EP081020)	
		1-1/2	201131	P-50-12 (EP081024)	
.502	.628	3/8	401122	SS-1620-6	
		1/2	401123	SS-1620-8	
		5/8	401124	SS-1620-10	
		3/4	401125	SS-1620-12	
		7/8	401126	SS-1620-14	
		1	401127	SS-1620-16	
		1-1/8	401128	SS-1620-18	
		1-1/4	401129	SS-1620-20	
		1-1/2	401130	SS-1620-24	

POWDERED METAL SLEEVE BEARINGS

ID	OD	LGTH.	ITEM NO.	PART NO.
1/2 x 5/8 NOMINAL (cont.)				
.5025	.629	1/2	101214	AA-607-1
		5/8	101215	AA-607-2
		3/4	101216	AA-607-5
		1	101217	AA-607-3
		1-1/4	101218	AA-607-6
.504	.6275	1/2	101219	AA-634-4
		1	101220	AA-634-5
1/2 X 11/16 NOMINAL				
.5015	.690	3/8	101221	AA-650-4
		1/2	101222	AA-650-1
		9/16	101223	AA-650-6
		5/8	101224	AA-650-9
		3/4	101225	AA-650
		7/8	101226	AA-650-7
		1	101227	AA-650-2
		1-1/8	101228	AA-650-5
		1-1/4	101229	AA-650-12
		1-1/2	101230	AA-650-3
.502	.690	1/2	301117	B-811-4
		5/8	301118	B-811-5
		3/4	301119	B-811-6
		7/8	301120	B-811-7
		1	301121	B-811-8
		1-1/8	301122	B-811-9
		1-1/4	301123	B-811-10
		1-1/2	301124	B-811-12
.502	.6905	3/8	201570	P-51-3 (EP081106)
		1/2	201132	P-51-4 (EP081108)
		5/8	201133	P-51-5 (EP081110)
		3/4	201134	P-51-6 (EP081112)
		7/8	201135	P-51-7 (EP081114)
		1	201136	P-S1-8 (EP081116)
		1-1/8	201137	P-51-9 (EP081118)
		1-1/4	201138	P-51-10 (EP081120)
		1-1/2	201139	P-51-12 (EP081124)
.5025	.689	3/8	101231	AA-631-13
		3/4	101232	AA-631
		1-1/4	101233	AA-631-1
.503	.690	1/2	401131	SS-1622-8
		5/8	401132	SS-1622-10
		3/4	401133	SS-1622-12
		7/8	401134	SS-1622-14
		1	401135	SS-1622-16
		1-1/8	401136	SS-1622-18
		1-1/4	401137	SS-1622-20
		1-1/2	401138	SS-1622-24
.504	.690	1/4	101234	AA-618-16
		1/2	101235	AA-618-1
		9/16	101236	AA-618-13
		5/8	101237	AA-618-12
		3/4	101238	AA-618-11
		7/8	101239	AA-618-8
		1	101240	AA-618-6

ID	OD	LGTH.	ITEM NO.	PART NO.
.504	.690	1-1/8	101241	AA-618-2
		1-3/8	101242	AA-618-5
1/2 X 3/4 NOMINAL				
.5005	.752	1/2	101243	AA-742-1
		3/4	101244	AA-742-2
		1	101245	AA-742
		1-1/8	101246	AA-742-4
		1-1/4	101247	AA-742-3
.5015	.752	1/2	101248	AA-753
		9/16	101249	AA-753-1
		3/4	101250	AA-753-5
		1	101251	AA-753-2
		1-1/2	101252	AA-753-4
.502	.753	1/2	301125	B-812-4
		5/8	301126	B-812-5
		3/4	301127	B-812-6
		7/8	301128	B-812-7
		1	301129	B-812-8
		1-1/8	301130	B-812-9
		1-1/4	301131	B-812-10
		1-1/2	301132	B-812-12
		1-3/4	301133	B-812-14
		2	301134	B-812-16
.502	.753	3/8	201140	P-52-3 (EP081206)
		1/2	201141	P-52-4 (EP081208)
		5/8	201142	P-52-5 (EP081210)
		3/4	201143	P-52-6 (EP081212)
		7/8	201144	P-52-7 (EP081214)
.502	.753	1	201145	P-52-8 (EP081216)
		1-1/8	201146	P-52-9 (EP081218)
		1-1/4	201147	P-52-10 (EP081220)
		1-1/2	201148	P-52-12 (EP081224)
		1-3/4	201149	P-52-14 (EP081228)
		2	201150	P-52-16 (EP081232)
.5025	.753	1/2	101253	AA-744-5
		5/8	101254	AA-744-9
		3/4	101255	AA-744-4
		7/8	101256	AA-744-10
		1	101257	AA-744-3
		1-1/4	101258	AA-744
		1-1/2	101259	AA-744-1
		1-3/4	101260	AA-744-2
.503	.753	3/8	401139	SS-1624-6
		1/2	401140	SS-1624-8
		5/8	401141	SS-1624-10
		3/4	401142	SS-1624-12
		7/8	401143	SS-1624-14
		1	401144	SS-1624-16
		1-1/8	401145	SS-1624-18
		1-1/4	401146	SS-1624-20
		1-1/2	401147	SS-1624-24
		1-3/4	401148	SS-1624-28
		2	401149	SS-1624-32

ID	OD	LGTH.	ITEM NO.	PART NO.
1/2 X 13/16 NOMINAL				
.501	.815	3/4	101261	AA-886-3
		1	101262	AA-886-1
		1-1/2	101263	AA-886-4
.502	.815	1/2	301135	B-813-4
		3/4	301136	B-813-6
		1	301137	B-813-8
		1-1/2	301138	B-813-12
.502	.8165	1/2	201151	P-53-4 (EP081308)
		3/4	201152	P-53-6 (EP081312)
		1	201153	P-53-8 (EP081316)
		1-1/2	201154	P-53-12 (EP081324)
.503	.815	1/2	401150	SS-1626-8
		3/4	401151	SS-1626-12
		1	401152	SS-1626-16
		1-1/2	401153	SS-1626-24
1/2 X 7/8 NOMINAL				
.502	.878	1/2	301139	B-814-4
		5/8	301140	B-814-5
		3/4	301141	B-814-6
		7/8	301142	B-814-7
		1	301143	B-814-8
		1-1/4	301144	B-814-10
		1-1/2	301145	B-814-12
.502	.879	1/2	201155	P-54-4 (EP081408)
		5/8	201156	P-54-5 (EP081410)
		3/4	201157	P-54-6 (EP081412)
		7/8	201158	P-54-7 (EP081414)
		1	201159	P-54-8 (EP081416)
		1-1/4	201160	P-54-10 (EP081420)
		1-1/2	201161	P-54-12 (EP081424)
.503	.878	1/2	401154	SS-1628-8
		5/8	401155	SS-1628-10
		3/4	401156	SS-1628-12
		7/8	401157	SS-1628-14
		1	401158	SS-1628-16
		1-1/4	401159	SS-1628-20
		1-1/2	401160	SS-1628-24
.503	.879	1/2	101264	AA-842-7
		3/4	101265	AA-842-4
		1	101266	AA-842-3
		1-1/4	101267	AA-842-2
		1-1/2	101268	AA-842
1/2 X 1 NOMINAL				
.502	1.004	3/4	201162	P-55-6 (EP081612)
		1	201163	P-55-8 (EP081616)
		1-1/2	201164	P-55-12 (EP081624)
		2	201165	P-55-16 (EP081632)
.503	1.004	3/4	401161	SS-1632-12
		1	401162	SS-1632-16
		1-1/2	401163	SS-1632-24
		2	401164	SS-1632-32

POWDERED METAL SLEEVE BEARINGS

ID	OD	LGTH.	ITEM NO.	PART NO.
9/16 X 11/16 NOMINAL				
.5635	.691	7/16	101269	AA-620-3
		1/2	101270	AA-620-7
		5/8	101271	AA-620-8
		3/4	101272	AA-620-1
		1	101273	AA-620
		1-1/4	101274	AA-620-5
.5645	.6905	1/2	201166	P-56-4 (EP091108)
		5/8	201571	P-56-5 (EP091110)
		3/4	201167	P-56-6 (EP091112)
		1	201168	P-56-8 (EP091116)
		1-1/4	201169	P-56-10 (EP091120)
		1-1/2	201170	P-56-12 (EP091124)
.565	.690	1/2	401165	SS-1822-8
		3/4	401166	SS-1822-12
		1	401167	SS-1822-16
		1-1/4	401168	SS-1822-20
		1-1/2	401169	SS-1822-24
.565	.691	1/2	301146	B-911-4
		3/4	301147	B-911-6
		1	301148	B-911-8
		1-1/2	301149	B-911-12
.568	.689	1-1/2	101276	AA-658-1
9/16 X 3/4 NOMINAL				
.5635	.7535	5/8	101278	AA-711-6
		3/4	101279	AA-711-1
		1	101280	AA-711-3
		1-1/4	101281	AA-711-5
		1-3/8	101282	AA-711
		1-1/2	101283	AA-711-2
.5645	.753	1/2	201171	P-57-4 (EP091208)
		3/4	201172	P-57-6 (EP091212)
		1	201173	P-57-8 (EP091216)
		1-1/4	201174	P-57-10 (EP091220)
		1-1/2	201175	P-57-12 (EP091224)
.565	.753	1/2	301150	B-912-4
		3/4	301151	B-912-6
		1	301152	B-912-8
		1-1/2	301153	B-912-12
.565	.753	1/2	401170	SS-1824-8
		3/4	401171	SS-1824-12
		1	401172	SS-1824-16
		1-1/4	401173	SS-1824-20
		1-1/2	401174	SS-1824-24
.566	.753	1/2	101284	AA-709-7
		3/4	101285	AA-709-8
		1	101286	AA-709
		1-1/4	101287	AA-709-5
		1-1/2	101288	AA-709-6
9/16 X 13/16 NOMINAL				
.563	.815	3/4	101289	AA-807-3
		1	101290	AA-807-2
		1-1/4	101291	AA-807-4

ID	OD	LGTH.	ITEM NO.	PART NO.
.5645	.8165	1/2	201176	P-58-4 (EP091308)
		3/4	201177	P-58-6 (EP091312)
		1	201178	P-58-8 (EP091316)
		1-1/4	201179	P-58-10 (EP091320)
		1-1/2	201180	P-58-12 (EP091324)
.565	.815	1/2	301154	B-913-4
		3/4	301155	B-913-6
		1	301156	B-913-8
		1-1/4	301157	B-913-10
		1-1/2	301158	B-913-12
.565	.815	1/2	401175	SS-1826-8
		3/4	401176	SS-1826-12
		1	401177	SS-1826-16
		1-1/4	401178	SS-1826-20
		1-1/2	401179	SS-1826-24
9/16 X 7/8 NOMINAL				
.567	.877	1	101292	AA-863-3
		1-3/8	101293	AA-863
5/8 X 3/4 NOMINAL				
.626	.753	1/2	101294	AA-724-8
		7/8	101295	AA-724-2
		1	101296	AA-724-3
		1-1/8	101297	AA-724
		1-1/4	101298	AA-724-5
.627	.752	1/2	101299	AA-741
		5/8	101300	AA-741-1
		3/4	101301	AA-741-4
.627	.753	3/8	101302	AA-710-13
		1/2	101303	AA-710-27
		5/8	101304	AA-710-19
		3/4	101305	AA-710-6
		7/8	101306	AA-710-16
		1	101307	AA-710-3
		1-1/8	101308	AA-710-8
		1-1/4	101309	AA-710-5
		1-1/2	101310	AA-710-4
.627	.753	3/8	201572	P-62-3 (EP101206)
		1/2	201181	P-62-4 (EP101208)
		5/8	201182	P-62-5 (EP101210)
		3/4	201183	P-62-6 (EP101212)
		7/8	201184	P-62-7 (EP101214)
		1	201185	P-62-8 (EP101216)
		1-1/8	201186	P-62-9 (EP101218)
		1-1/4	201187	P-62-10 (EP101220)
		1-1/2	201188	P-62-12 (EP101224)
.628	.753	1/2	301159	B-1012-4
		5/8	301160	B-1012-5
		3/4	301161	B-1012-6
		7/8	301162	B-1012-7
		1	301163	B-1012-8
		1-1/8	301164	B-1012-9
		1-1/4	301165	B-1012-10
		1-1/2	301166	B-1012-12

ID	OD	LGTH.	ITEM NO.	PART NO.
.628	.753	1/2	401180	SS-2024-8
		5/8	401181	SS-2024-10
		3/4	401182	SS-2024-12
		7/8	401183	SS-2024-14
		1	401184	SS-2024-16
		1-1/8	401185	SS-2024-18
		1-1/4	401186	SS-2024-20
		1-1/2	401187	SS-2024-24
5/8 X 13/16 NOMINAL				
.625	.815	1/2	101311	AA-810-4
		5/8	101312	AA-810-2
		3/4	101313	AA-810-10
		7/8	101314	AA-810-1
		1	101315	AA-810-7
		1-1/4	101316	AA-810-11
		1-3/8	101317	AA-810
		1-1/2	101318	AA-810-12
.627	.815	3/4	101319	AA-811-7
		1	101320	AA-811-6
.627	.815	1-1/4	101321	AA-811-2
		1-3/8	101322	AA-811-5
		1-1/2	101323	AA-811-3
		1-3/4	101324	AA-811-1
		1.99	101325	AA-811
.627	.815	1/2	301167	B-1013-4
		5/8	301168	B-1013-5
		3/4	301169	B-1013-6
		7/8	301170	B-1013-7
		1	301171	B-1013-8
		1-1/4	301172	B-1013-10
		1-1/2	301173	B-1013-12
		2	301174	B-1013-16
.627	.8165	1/2	201189	P-63-4 (EP101308)
		5/8	201190	P-63-5 (EP101310)
		3/4	201191	P-63-6 (EP101312)
		7/8	201192	P-63-7 (EP101314)
		1	201193	P-63-8 (EP101316)
		1-1/4	201194	P-63-10 (EP101320)
		1-1/2	201195	P-63-12 (EP101324)
		1-3/4	201196	P-63-14 (EP101328)
.628	.815	1/2	401188	SS-2026-8
		5/8	401189	SS-2026-10
		3/4	401190	SS-2026-12
		7/8	401191	SS-2026-14
		1	401192	SS-2026-16
		1-1/4	401193	SS-2026-20
		1-1/2	401194	SS-2026-24
		1-3/4	401195	SS-2026-28
.628	.8155	5/8	101326	AA-814-3
		3/4	101327	AA-814-2
		1	101328	AA-814
		1-1/4	101329	AA-814-5

POWDERED METAL SLEEVE BEARINGS

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
5/8 X 7/8 NOMINAL					
.625	.877	1/2	101330	AA-880-4	
		3/4	101331	AA-880-2	
		1	101332	AA-880-1	
		1-1/2	101333	AA-880	
.627	.878	1/2	101334	AA-832-11	
		5/8	101335	AA-832-12	
		3/4	101336	AA-832-6	
		7/8	101337	AA-832-8	
		1	101338	AA-832-1	
		1-1/8	101339	AA-832-13	
		1-1/4	101340	AA-832-4	
		1-3/8	101341	AA-832-2	
		1-1/2	101342	AA-832-5	
		1-5/8	101343	AA-832-9	
		2	101344	AA-832-18	
.627	.878	5/8	301175	B-1014-5	
		3/4	301176	B-1014-6	
		7/8	301177	B-1014-7	
		1	301178	B-1014-8	
		1-1/4	301179	B-1014-10	
		1-1/2	301180	B-1014-12	
		1-3/4	301181	B-1014-14	
		2	301182	B-1014-16	
.627	.879	1/2	201197	P-64-4 (EP101408)	
		5/8	201198	P-64-5 (EP101410)	
		3/4	201199	P-64-6 (FP101412)	
		7/8	201200	P-64-7 (EP101414)	
		1	201201	P-64-8 (EP101416)	
		1-1/8	201202	P-64-9 (EP101418)	
		1-1/4	201203	P-64-10 (EP101420)	
		1-1/2	201204	P-64-12 (EP101424)	
		1-3/4	201205	P-64-14 (EP101428)	
		2	201206	P-64-16 (EP101432)	
.628	.878	1/2	401196	SS-2028-8	
		5/8	401197	SS-2028-10	
		3/4	401198	SS-2028-12	
		7/8	401199	SS-2028-14	
		1	401200	SS-2028-16	
		1-1/8	401201	SS-2028-18	
		1-1/4	401202	SS-2028-20	
		1-1/2	401203	SS-2028-24	
		1-3/4	401204	SS-2028-28	
		2	401205	SS-2028-32	
5/8 X 15/16 NOMINAL					
.627	.9415	5/8	201207	P-65-5 (EP101510)	
		3/4	201208	P-65-6 (EP101512)	
		1	201209	P-65-8 (EP101516)	
.628	.940	5/8	101345	AA-946-4	
		3/4	101346	AA-946-2	
		1	101347	AA-946-1	
.628	.941	5/8	401206	SS-2030-10	
		3/4	401207	SS-2030-12	
		1	401208	SS-2030-16	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
5/8 X 1 NOMINAL					
.627	1.003	1/2	301183	B-1016-4	
		5/8	301184	B-1016-5	
		3/4	301185	B-1016-6	
		7/8	301186	B-1016-7	
		1	301187	B-1016-8	
		1-1/4	301188	B-1016-10	
		1-1/2	301189	B-1016-12	
		1-3/4	301190	B-1016-14	
		2	301191	B-1016-16	
.627	1.004	1/2	201210	P-66-4 (EP101608)	
		5/8	201211	P-66-5 (EP101610)	
		3/4	201212	P-66-6 (EP101612)	
.627	1.004	7/8	201213	P-66-7 (EP101614)	
		1	201214	P-66-8 (EP101616)	
		1-1/4	201215	P-66-10 (EP101620)	
		1-1/2	201216	P-66-12 (EP101624)	
		1-3/4	201217	P-66-14 (EP101628)	
		2	201218	P-66-16 (EP101632)	
.628	1.003	1/2	401209	SS-2032-8	
		5/8	401210	SS-2032-10	
		3/4	401211	SS-2032-12	
		7/8	401212	SS-2032-14	
		1	401213	SS-2032-16	
		1-1/4	401214	SS-2032-20	
		1-1/2	401215	SS-2032-24	
		1-3/4	401216	SS-2032-28	
		2	401217	SS-2032-32	
.628	1.0035	3/4	101348	AA-1011-12	
		7/8	101349	AA-1011-5	
		1	101350	AA-1011-3	
		1-1/8	101351	AA-1011-4	
		1-1/4	101352	AA-1011-1	
		1-3/8	101353	AA-1011-13	
		1-1/2	101354	AA-1011	
11/16 X 13/16 NOMINAL					
.6885	.815	1	101355	AA-812-1	
		1-1/4	101356	AA-812	
11/16 X 7/8 NOMINAL					
.6895	.879	3/4	201219	P-68-6 (EP111412)	
		1	201220	P-68-8 (EP111416)	
		1-1/4	201221	P-68-10 (EP111420)	
		1-1/2	201222	P-68-12 (EP111424)	
		1-3/4	201223	P-68-14 (EP111428)	
		2	201224	P-68-16 (EP111432)	
.690	.878	1/2	101357	AA-851-2	
		3/4	101358	AA-851-7	
		1	101359	AA-851-8	
		1-1/8	101360	AA-851-6	
		1-1/4	101361	AA-851-1	
.690	.878	3/4	301192	B-1114-6	
		1	301193	B-1114-8	
		1-1/4	301194	B-1114-10	
		1-1/2	301195	B-1114-12	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
.690	.878	1-3/4	301196	B-1114-14	
		2	301197	B-1114-16	
.690	.878	3/4	401218	SS-2228-12	
		1	401219	SS-2228-16	
		1-1/4	401220	SS-2228-20	
		1-1/2	401221	SS-2228-24	
		1-3/4	401222	SS-2228-28	
		2	401223	SS-2228-32	
11/16 X 15/16 NOMINAL					
.689	.941	1	101362	AA-939-3	
		1-1/4	101363	AA-939-2	
		1-1/2	101364	AA-939-4	
3/4 X 7/8 NOMINAL					
.751	.878	9/16	101365	AA-838-9	
		5/8	101366	AA-838-25	
		3/4	101367	AA-838-16	
		7/8	101368	AA-838-6	
		1	101369	AA-838-7	
		1-1/8	101370	AA-838-13	
		1-1/4	101371	AA-838-5	
		1-3/8	101372	AA-838-15	
		1-1/2	101373	AA-838-4	
		1-5/8	101374	AA-838-8	
.752	.878	3/4	101375	AA-885	
		1	101376	AA-885-3	
		1-1/4	101377	AA-885-4	
.752	.879	1/2	201225	P-75-4 (EP121408)	
		9/16	201573	P-75-4.5 (EP121409)	
		5/8	201226	P-75-5 (EP121410)	
		11/16	201574	P-75-5.5 (EP121411)	
		3/4	201227	P-75-6 (EP121412)	
		7/8	201228	P-75-7 (EP121414)	
		1	201229	P-75-8 (EP121416)	
		1-1/8	201230	P-75-9 (EP121418)	
		1-1/4	201231	P-75-10 (EP121420)	
		1-1/2	201232	P-75-12 (EP121424)	
		1-5/8	201233	P-75-13 (EP121426)	
.753	.878	5/8	101378	AA-839-1	
		11/16	101379	AA-839-3	
		3/4	101380	AA-839-6	
		1	101381	AA-839-13	
		1-1/8	101382	AA-839-2	
		1-1/4	101383	AA-839-4	
		1-1/2	101384	AA-839-7	
.753	.878	1/2	301198	B-1214-4	
		5/8	301199	B-1214-5	
		3/4	301200	B-1214-6	
		7/8	301201	B-1214-7	
		1	301202	B-1214-8	
		1-1/4	301203	B-1214-10	
		1-1/2	301204	B-1214-12	
		1-5/8	301205	B-1214-13	

POWDERED METAL SLEEVE BEARINGS

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
3/4 X 7/8 NOMINAL (cont.)					
.753	.878	1/2	401224	SS-2428-8	
		5/8	401225	SS-2428-10	
		3/4	401226	SS-2428-12	
		7/8	401227	SS-2428-14	
		1	401228	SS-2428-16	
		1-1/8	401229	SS-2428-18	
		1-1/4	401230	SS-2428-20	
		1-1/2	401231	SS-2428-24	
		1-5/8	401232	SS-2428-26	
3/4 X 15/16 NOMINAL					
.7515	.940	3/4	101385	AA-921-5	
		1	101386	AA-921-4	
		1-1/8	101387	AA-921-2	
		1-1/4	101388	AA-921-3	
		1-1/2	101389	AA-921-1	
		1-3/4	101390	AA-921	
		2	101391	AA-921-6	
.752	.9415	1/2	201234	P-76-4 (EP121508)	
		5/8	201235	P-76-5 (EP121510)	
		3/4	201236	P-76-6 (EP121512)	
		7/8	201237	P-76-7 (EP121514)	
		1	201238	P-76-8 (EP121516)	
		1-1/8	201239	P-76-9 (EP121518)	
		1-1/4	201240	P-76-10 (EP121520)	
		1-1/2	201241	P-76-12 (EP121524)	
		1-5/8	201242	P-76-13 (EP121526)	
		1-3/4	201243	P-76-14 (EP121528)	
		1-7/8	201244	P-76-15 (EP121530)	
		2	201245	P-76-16 (EP121532)	
.752	.942	1	101392	AA-912	
		1-1/4	101393	AA-912-4	
		1-3/8	101394	AA-912-1	
		1-1/2	101395	AA-912-6	
		1-5/8	101396	AA-912-2	
		1-3/4	101397	AA-912-7	
.753	.9405	1/2	301206	B-1215-4	
		5/8	301207	B-1215-5	
		3/4	301208	B-1215-6	
		7/8	301209	B-1215-7	
		1	301210	B-1215-8	
		1-1/4	301211	B-1215-10	
		1-1/2	301212	B-1215-12	
		1-3/4	301213	B-1215-14	
		2	301214	B-1215-16	
.753	.941	1/2	401233	SS-2430-8	
		5/8	401234	SS-2430-10	
		3/4	401235	SS-2430-12	
		7/8	401236	SS-2430-14	
		1	401237	SS-2430-16	
		1-1/8	401238	SS-2430-18	
		1-1/4	401239	SS-2430-20	
		1-1/2	401240	SS-2430-24	
		1-5/8	401241	SS-2430-26	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
.753	.941	1-3/4	401242	SS-2430-28	
		1-7/8	401243	SS-2430-30	
		2	401244	SS-2430-32	
3/4 X 1 NOMINAL					
.7505	1.0025	3/4	101398	AA-1005-5	
		1	101399	AA-1005-7	
		1-1/8	101400	AA-1005-3	
		1-1/4	101401	AA-1005-2	
		1-1/2	101402	AA-1005-4	
.752	1.0025	3/8	101403	AA-1049-18	
		1/2	101404	AA-1049-14	
		3/4	101405	AA-1049-1	
		7/8	101406	AA-1049-2	
		1	101407	AA-1049-3	
		1-1/8	101408	AA-1049-16	
		1-1/4	101409	AA-1049	
		1-3/8	101410	AA-1049-17	
		1-1/2	101411	AA-1049-4	
		1-3/4	101412	AA-1049-9	
		2	101413	AA-1049-5	
		2-1/8	101414	AA-1049-11	
		2-1/4	101415	AA-1049-12	
		2-1/2	101416	AA-1049-6	
.752	1.004	1/2	201246	P-77-4 (EP121608)	
		5/8	201247	P-77-5 (EP121610)	
		3/4	201248	P-77-6 (EP121612)	
		7/8	201249	P-77-7 (EP121614)	
		1	201250	P-77-8 (EP121616)	
		1-1/8	201251	P-77-9 (EP121618)	
		1-1/4	201252	P-77-10 (EP121620)	
		1-1/2	201253	P-77-12 (EP121624)	
		1-3/4	201254	P-77-14 (EP121628)	
		2	201255	P-77-16 (EP121632)	
		2-1/2	201256	P-77-20 (EP121640)	
.753	1.003	3/4	101417	AA-1043-6	
		7/8	101418	AA-1043-8	
		1	101419	AA-1043-9	
		1-1/4	101420	AA-1043	
		1-1/2	101421	AA-1043-4	
.753	1.003	1/2	301215	B-1216-4	
		5/8	301216	B-1216-5	
		3/4	301217	B-1216-6	
		7/8	301218	B-1216-7	
		1	301219	B-1216-8	
		1-1/8	301220	B-1216-9	
		1-1/4	301221	B-1216-10	
		1-1/2	301222	B-1216-12	
		1-3/4	301223	B-1216-14	
		2	301224	B-1216-16	
		2-1/2	301225	B-1216-20	
.753	1.003	1/2	401245	SS-2432-8	
		5/8	401246	SS-2432-10	
		3/4	401247	SS-2432-12	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
.753	1.003	7/8	401248	SS-2432-14	
		1	401249	SS-2432-16	
		1-1/8	401250	SS-2432-18	
		1-1/4	401251	SS-2432-20	
		1-1/2	401252	SS-2432-24	
		1-3/4	401253	SS-2432-28	
		2	401254	SS-2432-32	
		2-1/2	401255	SS-2432-40	
3/4 X 1-1/16 NOMINAL					
.751	1.0645	1	101422	AA-1039	
		1-1/4	101423	AA-1039-2	
3/4 X 1-1/6 NOMINAL					
.750	1.129	3/4	101424	AA-1130-3	
		1-1/4	101425	AA-1130	
.752	1.129	1/2	201257	P-78-4 (EP121808)	
		3/4	201258	P-78-6 (EP121812)	
		1	201259	P-78-8 (EP121816)	
		1-1/4	201260	P-78-10 (EP121820)	
		1-1/2	201261	P-78-12 (EP121824)	
		1-3/4	201262	P-78-14 (EP121828)	
		2	201263	P-78-16 (EP121832)	
.753	1.128	3/4	101426	AA-1106-2	
		1	101427	AA-1106-4	
		1-1/4	101428	AA-1106-3	
		1-3/8	101429	AA-1106-13	
		1-1/2	101430	AA-1106	
		1-3/4	101431	AA-1106-1	
.753	1.128	1/2	301226	B-1218-4	
		3/4	301227	B-1218-6	
		1	301228	B-1218-8	
		1-1/4	301229	B-1218-10	
		1-1/2	301230	B-1218-12	
		1-3/4	301231	B-1218-14	
		2	301232	B-1218-16	
.753	1.128	1/2	401256	SS-2436-8	
		3/4	401257	SS-2436-12	
		1	401258	SS-2436-16	
		1-1/4	401259	SS-2436-20	
		1-1/2	401260	SS-2436-24	
		1-3/4	401261	SS-2436-28	
		2	401262	SS-2436-32	
3/4 X 1-1/4 NOMINAL					
.752	1.254	3/4	201264	P-79-6 (EP122012)	
		1	201265	P-79-8 (EP122016)	
		1-1/4	201266	P-79-10 (EP122020)	
		1-1/2	201267	P-79-12 (EP122024)	
.753	1.253	1	101432	AA-1257	
		1-1/4	101433	AA-1257-1	
		1-1/2	101434	AA-1257-2	

POWDERED METAL SLEEVE BEARINGS

ITEM PART				
ID	OD	LGTH.	NO.	NO.
3/4 X 1-1/4 NOMINAL (cont.)				
.753	1.253	3/4	301233	B-1220-6
		1	301234	B-1220-8
		1-1/4	301235	B-1220-10
		1-1/2	301236	B-1220-12
		1-3/4	301237	B-1220-14
		2	301238	B-1220-16
.753	1.253	3/4	401263	SS-2440-12
		1	401264	SS-2440-16
		1-1/4	401265	SS-2440-20
		1-1/2	401266	SS-2440-24
13/16 X 1 NOMINAL				
.8135	1.003	1	101435	AA-1056-5
		1-1/4	101436	AA-1056-3
		1-3/4	101437	AA-1056
.8145	1.003	7/8	101438	AA-1041-2
		1	101439	AA-1041-5
		1-1/4	101440	AA-1041-6
.8145	1.004	3/4	201268	P-81-6 (EP131612)
		1	201269	P-81-8 (EP131616)
		1-1/4	201270	P-81-10 (EP131620)
		1-1/2	201271	P-81-12 (EP131624)
		1-3/4	201272	P-81-14 (EP131628)
.815	1.003	3/4	401267	SS-2632-12
		1	401268	SS-2632-16
		1-1/4	401269	SS-2632-20
		1-1/2	401270	SS-2632-24
		1-3/4	401271	SS-2632-28
		2	401272	SS-2632-32
.8155	1.003	3/4	301239	B-1316-6
		1	301240	B-1316-8
		1-1/4	301241	B-1316-10
		1-1/2	301242	B-1316-12
		1-3/4	301243	B-1316-14
		2	301244	B-1316-16
13/16 X 1-1/16 NOMINAL				
.8145	1.0665	1	201273	P-82-8 (EP131716)
		1-1/4	201274	P-82-10 (EP131720)
.815	1.065	1	401273	SS-2634-16
		1-1/4	401274	SS-2634-20
7/8 X 1 NOMINAL				
.876	1.003	3/8	101441	AA-1008-11
		7/16	101442	AA-1008-14
		1/2	101443	AA-1008-9
		5/8	101444	AA-1008-13
		3/4	101445	AA-1008-5
		1	101446	AA-1008-6
		1-1/4	101447	AA-1008-1
		1-1/2	101448	AA-1008-2
		1-3/4	101449	AA-1008-10
.877	1.003	5/8	101450	AA-1009-5
		3/4	101451	AA-1009-8
		1	101452	AA-1009-3
		1-1/8	101453	AA-1009
		1-1/4	101454	AA-1009-2

ITEM PART				
ID	OD	LGTH.	NO.	NO.
.877	1.004	3/8	201575	P-87-3 (EP141606)
		1/2	201576	P-87-4 (EP141608)
		5/8	201577	P-87-5 (EP141610)
		3/4	201275	P-47-6 (EP141612)
		7/8	201276	P-87-7 (EP141614)
		1	201277	P-87-8 (EP141616)
		1-1/4	201278	P-87-10 (EP141620)
		1-1/2	201279	P-87-12 (EP141624)
		1-3/4	201280	P-87-14 (EP141628)
.878	1.003	3/4	301245	B-1416-6
		7/8	301246	B-1416-7
		1	301247	B-1416-8
		1-1/4	301248	B-1416-10
		1-1/2	301249	B-1416-12
.878	1.003	1/2	401275	SS-2832-8
		3/4	401276	SS-2832-12
		7/8	401277	SS-2832-14
		1	401278	SS-2832-16
		1-1/4	401279	SS-2832-20
		1-1/2	401280	SS-2832-24
		1-3/4	401281	SS-2832-28
7/8 X 1-1/16 NOMINAL				
.877	1.065	3/4	101455	AA-1051-3
		1-1/4	101456	AA-1051-2
.877	1.0665	1	201281	P-88-8 (EP141716)
		1-1/4	201282	P-88-10 (EP141720)
		1-1/2	201283	P-88-12 (EP141724)
.878	1.0655	1	401282	SS-2834-16
		1-1/4	401283	SS-2834-20
7/8 X 1-1/8 NOMINAL				
.876	1.128	3/4	101457	AA-1108
		7/8	101458	AA-1108-15
		1	101459	AA-1108-1
		1-1/8	101460	AA-1108-2
		1-1/4	101461	AA-1108-7
		1-3/8	101462	AA-1108-16
		1-1/2	101463	AA-1108-12
		1-3/4	101464	AA-1108-10
		2	101465	AA-1108-3
		2-1/4	101466	AA-1108-11
		2-1/2	101467	AA-1108-5
		2-3/4	101468	AA-1108-6
.877	1.129	3/4	201284	P-89-6 (EP141812)
		7/8	201285	P-89-7 (EP141814)
		1	201286	P-89-8 (EP141816)
		1-1/8	201287	P-89-9 (EP141818)
		1-1/4	201288	P-89-10 (EP141820)
		1-3/8	201289	P-89-11 (EP141822)
		1-1/2	201290	P-89-12 (EP141824)
		1-5/8	201291	P-89-13 (EP141826)
		1-3/4	201292	P-89-14 (EP141828)
		2	201293	P-89-16 (EP141832)
		2-1/4	201294	P-89-18 (EP141836)
		2-1/2	201295	P-89-20 (EP141840)

ITEM PART				
ID	OD	LGTH.	NO.	NO.
.878	1.1275	1	101469	AA-1104-2
		1-1/4	101470	AA-1104-5
		1-3/8	101471	AA-1104-4
		1-1/2	101472	AA-1104-3
.878	1.128	3/4	301250	B-1418-6
		7/8	301251	B-1418-7
		1	301252	B-1418-8
		1-1/8	301253	B-1418-9
		1-1/4	301254	B-1418-10
		1-3/8	301255	B-1418-11
		1-1/2	301256	B-1418-12
		1-3/4	301257	B-1418-14
		2	301258	B-1418-16
		2-1/2	301259	B-1418-20
.878	1.128	3/4	401284	SS-2836-12
		7/8	401285	SS-2836-14
		1	401286	SS-2836-16
		1-1/8	401287	SS-2836-18
		1-1/4	401288	SS-2836-20
		1-3/8	401289	SS-2836-22
		1-1/2	401290	SS-2836-24
		1-5/8	401291	SS-2836-26
		1-3/4	401292	SS-2836-28
		2	401293	SS-2836-32
		2-1/4	401294	SS-2836-36
		2-1/2	401295	SS-2836-40
7/8 X 1-1/4 NOMINAL				
.877	1.252	1	101473	AA-1203-3
		1-1/4	101474	AA-1203
		1-1/2	101475	AA-1203-1
.877	1.254	3/4	201296	P-90-6 (EP142012)
		1	201297	P-90-8 (EP142016)
		1-1/4	201298	P-90-10 (EP142020)
		1-1/2	201299	P-90-12 (EP142024)
		2	201300	P-90-16 (EP142032)
.878	1.253	3/4	101476	AA-1242-2
		1	101477	AA-1242-3
		1-3/8	101478	AA-1242
.878	1.253	3/4	301260	B-1420-6
		1	301261	B-1420-8
		1-1/4	301262	B-1420-10
		1-1/2	301263	B-1420-12
		2	301264	B-1420-16
.878	1.253	3/4	401296	SS-2840-12
		1	401297	SS-2840-16
		1-1/4	401298	SS-2840-20
		1-1/2	401299	SS-2840-24
		2	401300	SS-2840-32
15/16 X 1-1/16 NOMINAL				
.940	1.065	3/4	101479	AA-1087-1
		1-1/4	101480	AA-1087

POWDERED METAL SLEEVE BEARINGS

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
15/16 X 1-3/16 NOMINAL					
.939	1.1895	7/8	101481	AA-1118-6	
		1	101482	AA-1118-4	
		1-1/4	101483	AA-1118-2	
		1-1/2	101484	AA-1118-5	
.9395	1.1915	3/4	201301	P-93-6 (EP151912)	
		1	201302	P-93-8 (EP151916)	
		1-1/4	201303	P-93-10 (EP151920)	
		1-1/2	201304	P-93-12 (EP151924)	
		2	201305	P-93-16 (EP151932)	
.940	1.190	3/4	401301	SS-3038-12	
		1	401302	SS-3038-16	
		1-1/4	401303	SS-3038-20	
		1-1/2	401304	SS-3038-24	
		2	401305	SS-3038-32	
.9405	1.1905	3/4	301265	B-1519-6	
		1	301266	B-1519-8	
		1-1/4	301267	B-1519-10	
		1-1/2	301268	B-1519-12	
		2	301269	B-1519-16	
15/16 X 1-1/4 NOMINAL					
.9375	1.253	1	101485	AA-1206-1	
		1-1/4	101486	AA-1206-4	
		1-1/2	101487	AA-1206-2	
.9395	1.254	3/4	201306	P-94-6 (EP152012)	
		1	201307	P-94-8 (EP152016)	
		1-1/4	201308	P-94-10 (EP152020)	
		1-1/2	201309	P-94-12 (EP152024)	
		1-3/4	201310	P-94-14 (EP152028)	
		2	201311	P-94-16 (EP152032)	
.940	1.254	1-1/2	101488	AA-1216-3	
		2	101489	AA-1216	
.940	1.254	3/4	401306	SS-3040-12	
		1	401307	SS-3040-16	
		1-1/4	401308	SS-3040-20	
		1-1/2	401309	SS-3040-24	
		1-3/4	401310	SS-3040-28	
		2	401311	SS-3040-32	
.9405	1.253	3/4	301270	B-1520-6	
		1	301271	B-1520-8	
		1-1/4	301272	B-1520-10	
		1-1/2	301273	B-1520-12	
		1-3/4	301274	B-1520-14	
		2	301275	B-1520-16	
1 X 1-1/8 NOMINAL					
1.001	1.128	1/2	101490	AA-1110-8	
		3/4	101491	AA-1110-10	
		13/16	101492	AA-1110-2	
		1	101493	AA-1110-1	
		1-1/4	101494	AA-1110-3	
		1-3/8	101495	AA-1110-12	
		1-1/2	101496	AA-1110	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
1.003	1.128	3/4	301276	B-1618-6	
		1	301277	B-1618-8	
		1-1/4	301278	B-1618-10	
		1-1/2	301279	B-1618-12	
		1-3/4	301280	B-1618-14	
		2	301281	B-1618-16	
1.003	1.129	3/4	201312	P-100-6 (EP161812)	
		7/8	201578	P-100-7 (EP161814)	
		1	201313	P-100-8 (EP161816)	
		1-1/4	201314	P-100-10 (EP161820)	
		1-1/2	201315	P-100-12 (EP161824)	
		1-3/4	201316	P-100-14 (EP161828)	
		2	201317	P-100-16 (EP161832)	
1.0035	1.128	3/4	101497	AA-1156	
		7/8	101498	AA-1156-4	
		1-1/4	101499	AA-1156-3	
		1-1/2	101500	AA-1156-1	
1.004	1.128	3/4	401312	SS-3236-12	
		1	401313	SS-3236-16	
		1-1/4	401314	SS-3236-20	
		1-1/2	401315	SS-3236-24	
		1-3/4	401316	SS-3236-28	
		2	401317	SS-3236--32	
1 X 1-3/16 NOMINAL					
1.002	1.1895	3/4	101501	AA-1154-2	
		1	101502	AA-1154-1	
		1-1/2	101503	AA-1154-3	
		2	101504	AA-1154	
1.003	1.1915	3/4	201318	P-101-6 (EP161912)	
		1	201319	P-101-8 (EP161916)	
		1-1/4	201320	P-101-10 (EP161920)	
		1-1/2	201321	P-101-12 (EP161924)	
		1-3/4	201322	P-101-14 (EP161928)	
		2	201323	P-101-16 (EP161932)	
1.004	1.190	3/4	401318	SS-3238-12	
		1	401319	SS-3238-16	
		1-1/4	401320	SS-3238-20	
		1-1/2	401321	SS-3238-24	
		1-3/4	401322	SS-3238-28	
		2	401323	SS-3238-32	
1 X 1-1/4 NOMINAL					
1.001	1.252	1/2	101505	AA-1212-7	
		3/4	101506	AA-1212-6	
		1	101507	AA-1212-2	
		1-1/4	101508	AA-1212-16	
		1-1/2	101509	AA-1212-11	
		1-3/4	101510	AA-1212-4	
		2	101511	AA-1212-3	
		2-1/4	101512	AA-1212-5	
		2-1/2	101513	AA-1212	
		2-7/8	101514	AA-1212-8	
		3	101515	AA-1212-14	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
1.002	1.252	7/8	101516	AA-1213-6	
		1	101517	AA-1213-3	
		1-1/8	101518	AA-1213-10	
		1-1/4	101519	AA-1213-12	
		1-1/2	101520	AA-1213-1	
1.002	1.252	1-3/4	101521	AA-1213-2	
		2	101522	AA-1213	
		2-1/2	101523	AA-1213-14	
		3	101524	AA-1213-15	
1.003	1.253	3/4	101525	AA-1232-6	
		1	101526	AA-1232	
		1-1/8	101527	AA-1232-2	
		1-1/4	101528	AA-1232-3	
		1-1/2	101529	AA-1232-7	
		1-3/4	101530	AA-1232-8	
		2	101531	AA-1232-4	
		2-1/2	101532	AA-1232-5	
1.003	1.253	3/4	301282	B-1620-6	
		7/8	301283	B-1620-7	
		1	301284	B-1620-8	
		1-1/4	301285	B-1620-10	
		1-3/8	301286	B-1620-11	
		1-1/2	301287	B-1620-12	
		1-3/4	301288	B-1620-14	
		2	301289	B-1620-16	
		2-1/4	301290	B-1620-18	
		2-1/2	301291	B-1620-20	
		3	301292	B-1620-24	
1.003	1.254	1/2	201324	P-102-4 (EP162008)	
		3/4	201325	P-102-6 (EP162012)	
		7/8	201326	P-102-7 (EP162014)	
		1	201327	P-102-8 (EP162016)	
		1-1/4	201328	P-102-10 (EP162020)	
		1-3/8	201329	P-102-11 (EP162022)	
		1-1/2	201330	P-102-12 (EP162024)	
		1-3/4	201331	P-102-14 (EP162028)	
		2	201332	P-102-16 (EP162032)	
		2-1/4	201333	P-102-18 (EP162036)	
		2-1/2	201334	P-102-20 (EP162040)	
		3	201335	P-102-24 (EP162048)	
1.004	1.254	1/2	401324	SS-3240-8	
		3/4	401325	SS-3240-12	
		7/8	401326	SS-3240-14	
		1	401327	SS-3240-16	
		1-1/4	401328	SS-3240-20	
		1-3/8	401329	SS-3240-22	
		1-1/2	401330	SS-3240-24	
		1-3/4	401331	SS-3240-28	
		2	401332	SS-3240-32	
		2-1/4	401333	SS-3240-36	
		2-1/2	401334	SS-3240-40	
		3	401335	SS-3240-48	

POWDERED METAL SLEEVE BEARINGS

ID	OD	LGTH.	ITEM NO.	PART NO.
1 X 1-1/4 NOMINAL (cont.)				
1.005	1.2525	1	101533	AA-1204-7
		1-1/4	101534	AA-1204-2
		1-3/8	101535	AA-1204-1
		1-1/2	101536	AA-1204
		2	101537	AA-1204-3
		2-1/4	101538	AA-1204-5
		2-1/2	101539	AA-1204-4
1 X 1-5/16 NOMINAL				
1.001	1.316	1	101540	AA-1304-3
		1-1/2	101541	AA-1304
		1-3/4	101542	AA-1304-4
		2	101543	AA-1304-6
1.002	1.315	1	101544	AA-1325-10
		1-1/4	101545	AA-1325-8
		1-1/2	101546	AA-1325-4
		1-5/8	101547	AA-1325-7
		1-3/4	101548	AA-1325-5
		2	101549	AA-1325
		2-1/2	101550	AA-1325-1
		3	101552	AA-1325-2
1.003	1.3155	1	301293	B-1621-8
		1-1/4	301294	B-1621-10
		1-1/2	301295	B-1621-12
		1-3/4	301296	B-1621-14
		2	301297	B-1621-16
		2-1/2	301298	B-1621-20
		3	301299	B-1621-24
1.003	1.3165	1	201336	P-103-8 (EP162116)
		1-1/4	201337	P-103-10 (EP162120)
		1-1/2	201338	P-103-12 (EP162124)
		1-3/4	201339	P-103-14 (EP162128)
		2	201340	P-103-16 (EP162132)
		2-1/2	201341	P-103-20 (EP162140)
		3	201342	P-103-24 (EP162148)
1.004	1.316	1	401336	SS-3242-16
		1-1/4	401337	SS-3242-20
		1-1/2	401338	SS-3242-24
		1-3/4	401339	SS-3242-28
		2	401340	SS-3242-32
		2-1/2	401341	SS-3242-40
		3	401342	SS-3242-48
1 X 1-3/8 NOMINAL				
1.001	1.378	3/4	101553	AA-1334-3
		1-1/4	101554	AA-1334-5
		1-1/2	101555	AA-1334-1
		2	101556	AA-1334-2
1.003	1.377	1	101557	AA-1310-2
		1-1/8	101558	AA-1310-1
		1-1/4	101559	AA-1310-4
		1-3/8	101560	AA-1310
		1-1/2	101561	AA-1310-5
		1-3/4	101562	AA-1310-8

ID	OD	LGTH.	ITEM NO.	PART NO.
1.003	1.377	2	101563	AA-1310-3
		2-1/4	101564	AA-1310-6
1.003	1.378	1	301300	B-1622-8
		1-1/4	301301	B-1622-10
		1-1/2	301302	B-1622-12
		1-3/4	301303	B-1622-14
		2	301304	B-1622-16
		2-1/2	301305	B-1622-20
		3	301306	B-1622-24
1.003	1.379	1	201343	P-104-8 (EP162216)
		1-1/4	201344	P-104-10 (EP162220)
		1-1/2	201345	P-104-12 (EP162224)
		1-3/4	201346	P-104-14 (EP162228)
		2	201347	P-104-16 (EP162232)
		2-1/2	201348	P-104-20 (EP162240)
1.004	1.379	3/4	401343	SS-3244-12
		1	401344	SS-3244-16
		1-1/4	401345	SS-3244-20
		1-1/2	401346	SS-3244-24
		1-3/4	401347	SS-3244-28
		2	401348	SS-3244-32
		2-1/2	401349	SS-3244-40
1 X 1-1/2 NOMINAL				
1.003	1.503	1	301307	B-1624-8
		1-1/4	301308	B-1624-10
		1-1/2	301309	B-1624-12
		2	301310	B-1624-16
		2-1/2	301311	B-1624-20
		3	301312	B-1624-24
1.003	1.504	1	201349	P-105-8 (EP162416)
		1-1/4	201350	P-105-10 (EP162420)
		1-1/2	201351	P-105-12 (EP162424)
		1-3/4	201352	P-105-14 (EP162428)
		2	201353	P-105-16 (EP162432)
		2-1/2	201354	P-105-20 (EP162440)
		3	201355	P-105-24 (EP162448)
1.0035	1.5045	1	101565	AA-1511-7
		1-1/4	101566	AA-1511-8
		1-1/2	101567	AA-1511-5
		2	101568	AA-1511-1
1.004	1.504	1	401350	SS-3248-16
		1-1/4	401351	SS-3248-20
		1-1/2	401352	SS-3248-24
		1-3/4	401353	SS-3248-28
		2	401354	SS-3248-32
		2-1/2	401355	SS-3248-40
		3	401356	SS-3248-48
1-1/16 X 1-5/16 NOMINAL				
1.064	1.317	3/4	101569	AA-1307-2
		1	101570	AA-1307-4
		1-1/4	101571	AA-1307-5
		1-1/2	101572	AA-1307-1

ID	OD	LGTH.	ITEM NO.	PART NO.
1.065	1.316	1	401357	SS-3442-16
		1-1/2	401358	SS-3442-24
		2	401359	SS-3442-32
		2-1/2	401360	SS-3442-40
1.0655	1.3155	1	301313	B-1721-8
		1-1/2	301314	B-1721-12
		2	301315	B-1721-16
		2-1/2	301316	B-1721-20
1.0655	1.3165	1	201356	P-106-8 (EP172116)
		1-1/2	201357	P-106-12 (EP172124)
		2	201358	P-106-16 (EP172132)
		2-1/2	201359	P-106-20 (EP172140)
1-1/8 X 1-1/4 NOMINAL				
1.1245	1.2535	7/8	101573	AA-1214-6
		1	101574	AA-1214-3
		1-1/8	101575	AA-1214-2
		1-1/4	101576	AA-1214-1
		1-1/2	101577	AA-1214-8
1.127	1.2525	1-1/4	101578	AA-1250-2
		1-1/2	101579	AA-1250-3
1.128	1.254	1	201360	P-112-8 (EP182016)
		1-1/4	201361	P-112-10 (EP182020)
		1-1/2	201362	P-112-12 (EP182024)
1.129	1.254	1	401361	SS-3640-16
		1-1/4	401362	SS-3640-20
		1-1/2	401363	SS-3640-24
1-1/8 X 1-5/16 NOMINAL				
1.1265	1.3155	1	101580	AA-1317
		1-1/4	101581	AA-1317-1
1.128	1.3155	1	301317	B-1821-8
		1-1/4	301318	B-1821-10
		1-1/2	301319	B-1821-12
		2	301320	B-1821-16
1.128	1.3165	1	201363	P-113-8 (EP182116)
		1-1/4	201364	P-113-10 (EP182120)
		1-1/2	201365	P-113-12 (EP182124)
		1-3/4	201366	P-113-14 (EP182128)
		2	201367	P-113-16 (EP182132)
1.129	1.316	1	401364	SS-3642-16
		1-1/4	401365	SS-3642-20
		1-1/2	401366	SS-3642-24
		1-3/4	401367	SS-3642-28
		2	401368	SS-3642-32
1-1/8 X 1-3/8 NOMINAL				
1.127	1.377	1/2	101582	AA-1332-6
		3/4	101583	AA-1332-1
		1	101584	AA-1332-4
		1-1/4	101585	AA-1332-9
		1-1/2	101586	AA-1332-7
		1-3/4	101587	AA-1332-10
		2	101588	AA-1332

POWDERED METAL SLEEVE BEARINGS

ID	OD	LGTH.	ITEM NO.	PART NO.
1-1/8 X 1-3/8 NOMINAL (cont.)				
1.127	1.377	2-1/4	101589	AA-1332-11
		2-1/2	101590	AA-1332-2
		3	101591	AA-1332-8
1.128	1.378	3/4	301321	B-1822-6
		1	301322	B-1822-8
		1-1/4	301323	B-1822-10
		1-1/2	301324	B-1822-12
		1-3/4	301325	B-1822-14
		2	301326	B-1822-16
		2-1/2	301327	B-1822-20
		3	301328	B-1822-24
1.128	1.379	1/2	201579	P-114-4 (EP182208)
		3/4	201368	P-114-6 (EP182212)
		1	201369	P-114-8 (EP182216)
		1-1/4	201370	P-114-10 (EP182220)
		1-1/2	201371	P-114-12 (EP182224)
		1-3/4	201372	P-114-14 (EP182228)
		2	201373	P-114-16 (EP182232)
		2-1/2	201374	P-114-20 (EP182240)
		3	201375	P-114-24 (EP182248)
1.129	1.379	1/2	101592	AA-1319-10
		1	101593	AA-1319-3
		1-1/4	101594	AA-1319
		1-1/2	101595	AA-1319-13
		1-3/4	101596	AA-1319-5
		2	101597	AA-1319-1
		2-1/4	101598	AA-1319-12
		2-1/2	101599	AA-1319-2
1.129	1.379	3/4	401369	SS-3644-12
		1	401370	SS-3644-16
		1-1/4	401371	SS-3644-20
		1-1/2	401372	SS-3644-24
		1-3/4	401373	SS-3644-28
		2	401374	SS-3644-32
		2-1/2	401375	SS-3644-40
		3	401376	SS-3644-48
1-1/8 X 1-1/2 NOMINAL				
1.129	1.504	1	401377	SS-3648-16
		1-1/4	401378	SS-3648-20
		1-1/2	401379	SS-3648-24
		1-3/4	401380	SS-3648-28
		2	401381	SS-3648-32
		2-1/2	401382	SS-3648-40
1.126	1.503	1	101600	AA-1509-4
		1-1/2	101601	AA-1509-1
		1-3/4	101602	AA-1509-6
		2	101603	AA-1509
		2-1/2	101604	AA-1509-3
1.127	1.5035	1	101605	AA-1502
		1-1/4	101606	AA-1502-2
		1-1/2	101607	AA-1502-3
1.128	1.504	1	201376	P-115-8 (EP182416)
		1-1/4	201377	P-115-10 (EP182420)

ID	OD	LGTH.	ITEM NO.	PART NO.
1.128	1.504	1-1/2	201378	P-115-12 (EP182424)
		1-3/4	201379	P-115-14 (EP182428)
		2	201380	P-115-16 (EP182432)
		2-1/2	201381	P-115-20 (EP182440)
1-3/16 X 1-5/16 NOMINAL				
1.189	1.3155	1	101608	AA-1339-2
		1-1/4	101609	AA-1339
1-3/16 X 1-3/8 NOMINAL				
1.189	1.379	1-1/2	101610	AA-1324-1
		1-3/4	101611	AA-1324
1-3/16 X 1-7/16 NOMINAL				
1.1885	1.441	1-1/4	101612	AA-1403-3
		1-1/2	101613	AA-1403-7
		2	101614	AA-1403-10
1.1905	1.441	1-1/4	301329	B-1923-10
		2	301330	B-1923-16
		2-1/2	301331	B-1923-20
		3	301332	B-1923-24
1.1905	1.4415	1-1/4	201382	P-118-10 (EP192320)
		1-1/2	201383	P-118-12 (EP192324)
		2	201384	P-118-16 (EP192332)
		2-1/2	201385	P-118-20 (EP192340)
		3	201386	P-118-24 (EP192348)
1.192	1.441	1-1/4	401383	SS-3846-20
		1-1/2	401384	SS-3846-24
		2	401385	SS-3848-32
		2-1/2	401386	SS-3846-40
		3	401387	SS-3846-48
1-3/16 X 1-1/2 NOMINAL				
1.190	1.504	1	101615	AA-1523-2
		1-1/2	101616	AA-1523-5
		2	101617	AA-1523
		2-1/2	101618	AA-1523-3
1.1905	1.503	1	301333	B-1924-8
		1-1/4	301334	B-1924-10
		1-1/2	301335	B-1924-12
		1-3/4	301336	B-1924-14
		2	301337	B-1924-16
		2-1/2	301338	B-1924-20
		3	301339	B-1924-24
1.1905	1.504	1	201387	P-119-8 (EP192416)
		1-1/4	201388	P-119-10 (EP192420)
		1-1/2	201389	P-119-12 (EP192424)
		1-3/4	201390	P-119-14 (EP192428)
		2	201391	P-119-16 (EP192432)
		2-1/2	201392	P-119-20 (EP192440)
		3	201393	P-119-24 (EP192448)
1.192	1.504	1	401388	SS-3848-16
		1-1/4	401389	SS-3848-20
		1-1/2	401390	SS-3848-24
		1-3/4	401391	SS-3848-28
		2	401392	SS-3848-32
		2-1/2	401393	SS-3848-40
		3	401394	SS-3848-48

ID	OD	LGTH.	ITEM NO.	PART NO.
1.193	1.504	1	101619	AA-1504-6
		1-1/2	101620	AA-1504-1
1-1/4 X 1-7/16 NOMINAL				
1.2515	1.4405	1-1/4	101621	AA-1407-4
		1-1/2	101622	AA-1407-5
		1-3/4	101623	AA-1407
		2	101624	AA-1407-6
		2-1/2	101625	AA-1407-8
1-1/4 X 1-1/2 NOMINAL				
1.250	1.502	3/4	101626	AA-1517-4
		1-1/4	101627	AA-1517-6
		1-5/8	101628	AA-1517-1
1.252	1.502	1/2	101629	AA-1512-12
		5/8	101630	AA-1512-11
		3/4	101631	AA-1512-14
		7/8	101632	AA-1512-7
		1	101633	AA-1512-15
		1-1/4	101634	AA-1512-16
		1-3/8	101635	AA-1512-3
		1-1/2	101636	AA-1512-2
		1-3/4	101637	AA-1512-17
		1-7/8	101638	AA-1512-1
		2	101639	AA-1512-5
		2-1/2	101640	AA-1512-13
1.253	1.503	1	301340	B-2024-8
		1-1/8	301341	B-2024-9
		1-1/4	301342	B-2024-10
		1-3/8	301343	B-2024-11
		1-1/2	301344	B-2024-12
		1-5/8	301345	B-2024-13
		1-3/4	301346	B-2024-14
		2	301347	B-2024-16
		2-1/4	301348	B-2024-18
		2-1/2	301349	B-2024-20
		3	301350	B-2024-24
1.2535	1.504	1	101641	AA-1528
		1-1/4	101642	AA-1528-3
		1-1/2	101643	AA-1528-4
1.2535	1.504	1/2	201394	P-125-4 (EP202408)
		5/8	201395	P-125-5 (EP202410)
		3/4	201396	P-125-6 (EP202412)
		7/8	201397	P-125-7 (EP202414)
		1	201398	P-125-8 (EP202416)
		1-1/8	201399	P-125-9 (EP202418)
1.2535	1.504	1-1/4	201400	P-125-10 (EP202420)
		1-3/8	201401	P-125-11 (EP202422)
		1-1/2	201402	P-125-12 (EP202424)
		1-5/8	201403	P-125-13 (EP202426)
		1-3/4	201404	P-125-14 (EP202428)
		1-7/8	201405	P-125-15 (EP202430)
		2	201406	P-125-16 (EP202432)
		2-1/4	201407	P-125-18 (EP202436)
		2-1/2	201408	P-125-20 (EP202440)
		3	201409	P-125-24 (EP202448)

POWDERED METAL SLEEVE BEARINGS

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
1-1/4 X 1-1/2 NOMINAL (cont.)					
1.254	1.504	1/2	401395	SS-4048-8	
		5/8	401396	SS-4048-10	
		3/4	401397	SS-4048-12	
		7/8	401398	SS-4048-14	
		1	401399	SS-4048-16	
		1-1/8	401400	SS-4048-18	
		1-1/4	401401	SS-4048-20	
		1-3/8	401402	SS-4048-22	
		1-1/2	401403	SS-4048-24	
		1-5/8	401404	SS-4048-26	
		1-3/4	401405	SS-4048-28	
		1-7/8	401406	SS-4048-30	
		2	401407	SS-4048-32	
		2-1/4	401408	SS-4048-36	
		2-1/2	401409	SS-4048-40	
		3	401410	SS-4048-48	
1.258	1.504	1	101644	AA-1505-11	
		1-1/2	101645	AA-1505-1	
1-1/4 X 1-9/16 NOMINAL					
1.252	1.565	1-1/4	101646	AA-1506-12	
		1-1/2	101647	AA-1506-6	
		1-3/4	101648	AA-1506	
		2	101649	AA-1506-7	
		2-1/4	101650	AA-1506-8	
1.254	1.566	1	401411	SS-4050-16	
		1-1/2	401412	SS-4050-24	
		2	401414	SS-4050-32	
1-1/4 X 1-5/8 NOMINAL					
1.250	1.627	1-1/2	101651	AA-1602	
1.252	1.6275	1	101652	AA-1606-9	
		1-1/4	101653	AA-1606	
		1-1/2	101654	AA-1606-7	
		1-5/8	101655	AA-1606-11	
		1-3/4	101656	AA-1606-1	
		2	101657	AA-1606-3	
		2-1/2	101658	AA-1606-5	
		3	101659	AA-1606-4	
1.253	1.628	1	301351	B-2026-8	
		1-1/4	301352	B-2026-10	
		1-1/2	301353	B-2026-12	
		1-3/4	301354	B-2026-14	
		2	301355	B-2026-16	
		2-1/2	301356	B-2026-20	
		3	301357	B-2026-24	
1.2535	1.630	1	201410	P-126-8 (EP202616)	
		1-1/4	201411	P-126-10 (EP202620)	
		1-1/2	201412	P-126-12 (EP202624)	
		1-3/4	201413	P-126-14 (EP202628)	
		2	201414	P-126-16 (EP202632)	
		2-1/2	201415	P-126-20 (EP202640)	
		3	201416	P-126-24 (EP202648)	
1.254	1.629	1-1/2	101660	AA-1604	
		1-1/4	101661	AA-1604-2	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
1.254	1.629	1	401415	SS-4052-16	
		1-1/4	401416	SS-4052-20	
		1-1/2	401417	SS-4052-24	
		1-3/4	401418	SS-4052-28	
		2	401419	SS-4052-32	
		2-1/2	401420	SS-4052-40	
		3	401421	SS-4052-48	
1-1/4 X 1-3/4 NOMINAL					
1.2535	1.755	1-3/4	201417	P-127-14 (EP202828)	
		2	201418	P-127-16 (EP202832)	
		2-1/2	201419	P-127-20 (EP202840)	
		3	201420	P-127-24 (EP202848)	
1.254	1.753	1-1/2	101662	AA-1715-6	
		2	101663	AA-1715-2	
		3	101664	AA-1715-3	
1.254	1.754	1-1/2	401422	SS-4056-24	
		1-3/4	401423	SS-4056-28	
		2	401424	SS-4056-32	
		2-1/2	401425	SS-4056-40	
		3	401426	SS-4056-48	
X 1-1/2 NOMINAL					
1.3155	1.503	1	101665	AA-1526-4	
		1-1/4	101666	AA-1526	
		1-1/2	101667	AA-1526-2	
		2	101668	AA-1526-3	
1-5/16 X 1-9/16 NOMINAL					
1.316	1.566	1	401427	SS-4250-16	
		1-1/2	401428	SS-4250-24	
		2	401429	SS-4250-32	
1-5/16 X 1-5/8 NOMINAL					
1.3155	1.628	1-1/4	301358	B-2126-10	
		1-1/2	301359	B-2126-12	
		2	301360	B-2126-16	
		2-1/2	301361	B-2126-20	
		3	301362	B-2126-24	
1.3155	1.629	1-1/2	101669	AA-1611-5	
		2	101670	AA-1611-2	
		2-1/2	101671	AA-1611	
1.316	1.629	1-1/4	401430	SS-4252-20	
		1-1/2	401431	SS-4252-24	
		2	401432	SS-4252-32	
		2-1/2	401433	SS-4252-40	
		3	401434	SS-4252-48	
1.316	1.630	1-1/4	201421	P-131-10 (EP212620)	
		1-1/2	201422	P-131-12 (EP212624)	
		2	201423	P-131-16 (EP212632)	
		2-1/2	201424	P-131-20 (EP212640)	
		3	201425	P-131-24 (EP212648)	
1-3/4 X 1-9/16 NOMINAL					
1.3745	1.5655	1-1/4	101672	AA-1507-2	
		1-1/2	101673	AA-1507	
1-3/8 X 1-5/8 NOMINAL					
1.376	1.628	1	101674	AA-1608-10	
		1-1/8	101675	AA-1608-1	
		1-1/4	101676	AA-1608-11	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
1.376	1.628	1-1/2	101677	AA-1608-12	
		1-3/4	101678	AA-1608-13	
		2	101679	AA-1608	
		2-1/2	101680	AA-1608-3	
1.378	1.628	1	301363	B-2226-8	
		1-1/2	301364	B-2226-12	
		2	301365	B-2226-16	
		2-1/2	301366	B-2226-20	
		3	301367	B-2226-24	
1.3785	1.630	1	201426	P-137-8 (EP222616)	
		1-1/8	201427	P-137-9 (EP222618)	
		1-1/4	201428	P-137-10 (EP222620)	
		1-1/2	201429	P-137-12 (EP222624)	
		2	201430	P-137-16 (EP222632)	
		2-1/2	201431	P-137-20 (EP222640)	
		3	201432	P-137-24 (EP222648)	
1.379	1.628	1-1/2	101681	AA-1616-3	
		2	101682	AA-1616-5	
		2-1/2	101683	AA-1616-7	
1.379	1.629	1	401435	SS-4452-16	
		1-1/8	401436	SS-4452-18	
		1-1/4	401437	SS-4452-20	
		1-1/2	401438	SS-4452-24	
		2	401439	SS-4452-32	
		2-1/2	401440	SS-4452-40	
		3	401441	SS-4452-48	
1-3/8 X 1-3/4 NOMINAL					
1.378	1.753	1	301368	B-2228-8	
		1-1/2	301369	B-2228-12	
		2	301370	B-2228-16	
		2-1/2	301371	B-2228-20	
		3	301372	B-2228-24	
1.3785	1.755	1	201433	P-138-8 (EP222816)	
		1-1/2	201434	P-138-12 (EP222824)	
		2	201435	P-138-16 (EP222832)	
		2-1/2	201436	P-138-20 (EP222840)	
		3	201437	P-138-24 (EP222848)	
1.379	1.754	1	401442	SS-4456-16	
		1-1/2	401443	SS-4456-24	
		2	401444	SS-4456-32	
		2-1/2	401445	SS-4456-40	
		3	401446	SS-4456-48	
1.380	1.753	1-1/2	101684	AA-1708-5	
		2	101685	AA-1708-2	
		2-1/2	101686	AA-1708	
1-7/16 X 1-5/8 NOMINAL					
1.438	1.628	1	101687	AA-1609-2	
		1-1/2	101688	AA-1609-4	
		2	101689	AA-1609	
		2-1/4	101690	AA-1609-6	
1.441	1.630	1	201438	P-143-8 (EP232616)	
		1-1/2	201439	P-143-12 (EP232624)	
		2	201440	P-143-16 (EP232632)	

POWDERED METAL SLEEVE BEARINGS

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
1-7/16 X 1-5/8 NOMINAL (cont.)					
1.442	1.629	1	401447	SS-4652-16	
		1-1/2	401448	SS-4652-24	
		2	401449	SS-4652-32	
1-7/16 X 1-3/4 NOMINAL					
1.4405	1.753	1	301373	B-2328-8	
		1-1/4	301374	B-2328-10	
		1-1/2	301375	B-2328-12	
		1-3/4	301376	B-2328-14	
		2	301377	B-2328-16	
		2-1/2	301378	B-2328-20	
		3	301379	B-2328-24	
1.441	1.755	1	201441	P-144-8 (EP232816)	
		1-1/4	201442	P-144-10 (EP232820)	
		1-1/2	201443	P-144-12 (EP232824)	
		1-3/4	201444	P-144-14 (EP232828)	
		2	201445	P-144-16 (EP232832)	
		2-1/2	201446	P-144-20 (EP232840)	
		3	201447	P-144-24 (EP232848)	
1.442	1.754	3/4	401450	SS-4656-12	
		1	401451	SS-4656-16	
		1-1/4	401452	SS-4656-20	
		1-1/2	401453	SS-4656-24	
		1-3/4	401454	SS-4656-28	
		2	401455	SS-4656-32	
		2-1/2	401456	SS-4656-40	
		3	401457	SS-4656-48	
1.4425	1.7535	7/8	101691	AA-1703-1	
		1-1/8	101692	AA-1703-14	
		1-1/4	101693	AA-1703-4	
		1-1/2	101694	AA-1703-6	
1.4425	1.7535	1-3/4	101695	AA-1703-3	
		1-7/8	101696	AA-1703	
		2	101697	AA-1703-7	
		2-1/4	101698	AA-1703-10	
		2-1/2	101699	AA-1703-5	
1-1/2 X 1-11/16 NOMINAL					
1.507	1.691	3/4	101700	AA-1612-4	
		1	101701	AA-1612-1	
1-1/2 X 1-3/4 NOMINAL					
1.503	1.753	1	301380	B-2428-8	
		1-1/4	301381	B-2428-10	
		1-1/2	301382	B-2428-12	
		2	301383	B-2428-16	
		2-1/2	301384	B-2428-20	
		3	301385	B-2428-24	
1.503	1.754	1/2	101702	AA-1704-20	
		5/8	101703	AA-1704-21	
		3/4	101704	AA-1704-16	
		7/8	101705	AA-1704-4	
		1	101706	AA-1704-15	
		1-1/8	101707	AA-1704-17	
		1-1/4	101708	AA-1704-11	
		1-3/8	101709	AA-1704-5	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
1.503	1.754	1-1/2	101710	AA-1704	
		1-3/4	101711	AA-1704-3	
		2	101712	AA-1704-2	
		2-1/4	101713	AA-1704-7	
		2-1/2	101714	AA-1704-8	
		3	101715	AA-1704-9	
		3-1/2	101716	AA-1704-19	
1.504	1.754	1/2	401458	SS-4856-8	
		3/4	401459	SS-4856-12	
		1	401460	SS-4856-16	
		1-1/4	401461	SS-4856-20	
		1-3/8	401462	SS-4856-22	
		1-1/2	401463	SS-4856-24	
		1-3/4	401464	SS-4856-28	
		2	401465	SS-4856-32	
		2-1/4	401466	SS-4856-36	
		2-1/2	401467	SS-4856-40	
		3	401468	SS-4856-48	
1.504	1.755	1/2	201580	P-150-4 (EP242808)	
		5/8	201581	P-150-5 (EP242810)	
		3/4	201448	P-150-6 (EP242812)	
		7/8	201449	P-150-7 (EP242814)	
		1	201450	P-150-8 (EP242816)	
		1-1/4	201451	P-150-10 (EP242820)	
		1-3/8	201452	P-150-11 (EP242822)	
		1-1/2	201453	P-150-12 (EP242824)	
		1-3/4	201454	P-150-14 (EP242828)	
		2	201455	P-150-16 (EP242832)	
		2-1/4	201456	P-150-18 (EP242836)	
		2-1/2	201457	P-150-20 (EP242840)	
		3	201458	P-150-24 (EP242848)	
1-1/2 X 1-13/16 NOMINAL					
1.502	1.815	1	101717	AA-1801-1	
		1-5/8	101718	AA-1801	
1.503	1.816	1-1/2	301386	B-2429-12	
		3	301387	B-2429-24	
1.504	1.816	1	401469	SS-4858-16	
		1-1/2	401470	SS-4858-24	
		1-5/8	401471	SS-4858-26	
		2	401472	SS-4858-32	
		3	401473	SS-4858-48	
1.504	1.8175	1	201459	P-151-8 (EP242916)	
		1-1/2	201460	P-151-12 (EP242924)	
		1-5/8	201461	P-151-13 (EP242926)	
		3	201462	P-151-24 (EP242948)	
1-1/2 X 1-1/8 NOMINAL					
1.503	1.878	1-1/2	101719	AA-1807-9	
		1-3/4	101720	AA-1807-10	
		2	101721	AA-1807	
		2-1/2	101722	AA-1807-11	
		2-3/4	101723	AA-1807-1	
		3	101724	AA-1807-2	

		ITEM PART			
ID	OD	LGTH.	NO.	NO.	
1.503	1.878	1-1/2	301388	B-2430-12	
		2	301389	B-2430-16	
		2-1/2	301390	B-2430-20	
		3	301391	B-2430-24	
1.504	1.880	1-1/2	201463	P-152-12 (EP243024)	
		2	201464	P-152-16 (EP243032)	
		2-1/2	201465	P-152-20 (EP243040)	
		2-3/4	201466	P-152-22 (EP243044)	
		3	201467	P-152-24 (EP243048)	
1.504	1.879	1-1/2	401474	SS-4860-24	
		2	401475	SS-4860-32	
		2-1/2	401476	SS-4860-40	
		2-3/4	401477	SS-4860-44	
		3	401478	SS-4860-48	
1-1/2 X 2 NOMINAL					
1.503	2.004	1	101725	AA-2007-6	
		2	101726	AA-2007-2	
		2-1/2	101727	AA-2007-3	
		3-1/2	101728	AA-2007-5	
1.503	2.004	1	301392	B-2432-8	
		1-1/2	301447	B-2432-12	
		2	301393	B-2432-16	
		2-1/2	301394	B-2432-20	
		3	301395	B-2432-24	
1.504	2.004	1	401479	SS-4864-16	
		1-1/2	401480	SS-4864-24	
		2	401481	SS-4864-32	
		2-1/2	401482	SS-4864-40	
		3	401483	SS-4864-48	
		3-1/2	401484	SS-4864-56	
1.504	2.005	1	201468	P-153-8 (EP243216)	
		1-1/2	201469	P-153-12 (EP243224)	
		2	201470	P-153-16 (EP243232)	
		2-1/2	201471	P-153-20 (EP243240)	
		3	201472	P-153-24 (EP243248)	
		3-1/2	201473	P-153-28 (EP243256)	
1-5/8 X 1-7/8 NOMINAL					
1.627	1.879	1	101729	AA-1803-10	
		1-1/4	101730	AA-1803-11	
		1-1/2	101731	AA-1803-13	
		1-3/4	101732	AA-1803-14	
		2	101733	AA-1803-7	
		2-1/4	101734	AA-1803-1	
		2-3/4	101735	AA-1803-15	
1.628	1.878	1-1/4	301396	B-2630-10	
		1-1/2	301397	B-2630-12	
		2	301398	B-2630-16	
		2-1/2	301399	B-2630-20	
		2-1/2	301400	B-2630-24	
1.629	1.879	1-1/4	401485	SS-5260-20	
		1-1/2	401486	SS-5260-24	
		1-3/4	401487	SS-5260-28	
		2	401488	SS-5260-32	
		2-1/4	401489	SS-5260-36	

POWDERED METAL SLEEVE BEARINGS

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
1-5/8 X 1-7/8 NOMINAL (cont.)					
1.629	1.879	2-1/2	401490	SS-5260-40	
		3	401491	SS-5260-48	
1.629	1.880	1-1/4	201474	P-162-10 (EP263020)	
		1-1/2	201475	P-162-12 (EP263024)	
		1-3/4	201476	P-162-14 (EP263028)	
		2	201477	P-162-16 (EP263032)	
		2-1/4	201478	P-162-18 (EP263036)	
		2-1/2	201479	P-162-20 (EP263040)	
		3	201480	P-162-24 (EP263048)	
1-5/8 X 2 NOMINAL					
1.6265	2.004	1-1/2	101736	AA-2000-5	
		2	101737	AA-2000-1	
		2-1/2	101738	AA-2000-3	
		3	101739	AA-2000-4	
1.628	2.004	1	301401	B-2632-8	
		1-1/2	301402	B-2632-12	
		2	301403	B-2632-16	
		3	301404	B-2632-24	
1.629	2.004	1	401492	SS-5264-16	
		1-1/2	401493	SS-5264-24	
		1-3/4	401494	SS-5264-28	
		2	401495	SS-5264-32	
		2-1/2	401496	SS-5264-40	
		3	401497	SS-5264-48	
1.629	2.005	1	201481	P-163-8 (EP263216)	
		1-1/2	201482	P-163-12 (EP263224)	
		2	201483	P-163-16 (EP263232)	
		2-1/2	201484	P-163-20 (EP263240)	
		3	201485	P-163-24 (EP263248)	
1-11/16 X 2-3/16 NOMINAL					
1.6905	2.191	1-3/4	301405	B-2735-14	
		2	301406	B-2735-16	
		3	301407	B-2735-24	
		4	301408	B-2735-32	
1.6905	2.1915	2	101740	AA-2107-1	
		4	101741	AA-2107	
1.6915	2.1925	1-3/4	201486	P-168-14 (EP273528)	
		2	201487	P-168-16 (EP273532)	
		3	201488	P-168-24 (EP273548)	
		4	201489	P-168-32 (EP273564)	
1.6915	2.1925	1-3/4	401498	SS-5470-28	
		2	401499	SS-5470-32	
		3	401500	SS-5470-48	
		4	401501	SS-5470-64	
1-3/4 X 1-15/16 NOMINAL					
1.7525	1.9415	1-1/4	101742	AA-1904-2	
		1-1/2	101743	AA-1904-3	
1-3/4 X 2 NOMINAL					
1.753	2.004	1	101744	AA-2001-11	
		1-1/2	101745	AA-2001-3	
		1-7/8	101746	AA-2001	
		2	101747	AA-2001-9	

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
1.753	2.004	2-1/2	101748	AA-2001-1	
		2-3/4	101749	AA-2001-13	
		3	101750	AA-2001-2	
1.753	2.004	2	301409	B-2832-16	
		2-1/2	301410	B-2832-20	
		3	301411	B-2832-24	
1.754	2.004	1	401502	SS-5664-16	
		1-1/4	401503	SS-5664-20	
		1-1/2	401504	SS-5664-24	
		1-3/4	401505	SS-5664-28	
		2	401506	SS-5664-32	
		2-1/2	401507	SS-5664-40	
		3	401508	SS-5664-48	
1.754	2.005	1	201490	P-175-8 (EP283216)	
		1-1/4	201491	P-175-10 (EP283220)	
		1-1/2	201492	P-175-12 (EP283224)	
		1-3/4	201493	P-175-14 (EP283228)	
		2	201494	P-175-16 (EP283232)	
		2-1/2	201495	P-175-20 (EP283240)	
		3	201496	P-175-24 (EP283248)	
1-3/4 X 2-1/8 NOMINAL					
1.753	2.129	1-1/2	301412	B-2834-12	
		2	301413	B-2834-16	
		3	301414	B-2834-24	
1.754	2.128	1/2	101751	AA-2112-8	
		1-1/2	101752	AA-2112-1	
		2	101753	AA-2112-2	
		2-1/2	101754	AA-2112-3	
1.754	2.129	1-3/8	401509	SS-5668-22	
		1-1/2	401510	SS-5668-24	
		2	401511	SS-5668-32	
		3	401512	SS-5668-48	
1.754	2.130	1-1/2	201497	P-176-12 (EP283424)	
		2	201498	P-176-16 (EP283432)	
		3	201499	P-176-24 (EP283448)	
1-3/4 X 2-1/4 NOMINAL					
1.753	2.253	2	101755	AA-2204-2	
		2-1/2	101756	AA-2204-3	
		3	101757	AA-2204	
1-7/8 X 2-1/4 NOMINAL					
1.878	2.254	3/4	101758	AA-2202-10	
		2	101759	AA-2202	
		2-1/2	101760	AA-2202-1	
		3	101761	AA-2202-2	
1-15/16 X 2-1/8 NOMINAL					
1.940	2.1285	2	101762	AA-2102-3	
		2-1/2	101763	AA-2102-1	
1.940	2.1285	2-1/2	401513	SS-6268-40	
1-15/16 X 2-5/16 NOMINAL					
1.9405	2.316	2	301415	B-3137-16	
		3	301416	B-3137-24	
		4	301417	B-3137-32	

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
1.9405	2.3165	2	101764	AA-2306-3	
		3	101765	AA-2306-5	
		4	101766	AA-2306	
1.9405	2.3165	2	401514	SS-6274-32	
		2-1/2	401515	SS-6274-40	
		3	401516	SS-6274-48	
		4	401517	SS-6274-64	
1.9415	2.3175	2	201500	P-193-16 (EP313732)	
		2-1/2	201501	P-193-20 (EP313740)	
		3	201502	P-193-24 (EP313748)	
		4	201503	P-193-32 (EP313764)	
1-15/16 X 2-7/16 NOMINAL					
1.942	2.4415	1-1/2	101767	AA-2403-1	
		2	101768	AA-2403-2	
2 X 2-1/4 NOMINAL					
2.003	2.254	3/4	101769	AA-2203-5	
		1	101770	AA-2203-6	
		1-1/2	101771	AA-2203-7	
2.003	2.254	2	101772	AA-2203	
		2-1/2	101773	AA-2203-9	
		3	101774	AA-2203-10	
2.004	2.254	1	401518	SS-6472-16	
		1-1/2	401519	SS-6472-24	
		2	401520	SS-6472-32	
		2-1/2	401521	SS-6472-40	
		3	401522	SS-6472-48	
2.004	2.255	3/4	201582	P-200-6 (EP323612)	
		1	201504	P-200-8 (EP323616)	
		1-1/2	201505	P-200-12 (EP323624)	
		2	201506	P-200-16 (EP323632)	
		2-1/2	201507	P-200-20 (EP323640)	
		3	201508	P-200-24 (EP323648)	
2 X 2-3/8 NOMINAL					
2.003	2.379	1-1/8	101775	AA-2304-6	
		1-1/2	101776	AA-2304-7	
		1-3/4	101777	AA-2304	
		2	101778	AA-2304-1	
		2-1/2	101779	AA-2304-2	
		3	101780	AA-2304-3	
		3-1/2	101781	AA-2304-4	
		4	101782	AA-2304-5	
2.003	2.379	1-3/4	301418	B-3238-14	
		2	301419	B-3238-16	
		2-3/4	301420	B-3238-22	
		3	301421	B-3238-24	
		4	301422	B-3238-32	
2.004	2.380	1-1/8	201583	B-201-9 (EP323818)	
		1-1/2	201509	B-201-12 (EP323824)	
		1-3/4	201510	B-201-14 (EP323828)	
		2	201511	B-201-16 (EP323832)	
		2-1/2	201512	B-201-20 (EP323840)	
		2-3/4	201513	B-201-22 (EP323844)	
		3	201514	B-201-24 (EP323848)	

POWDERED METAL SLEEVE BEARINGS

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
2 X 2-3/8 NOMINAL (cont.)					
2.004	2.380	3-1/2	201515	B-201-28 (EP323856)	
		4	201516	B-201-32 (EP323864)	
2.004	2.380	1-1/2	401523	SS-6476-24	
		1-3/4	401524	SS-6476-28	
		2	401525	SS-6476-32	
		2-1/2	401526	SS-6476-40	
		2-3/4	401527	SS-6476-44	
		3	401528	SS-6476-48	
		3-1/2	401529	SS-6476-56	
		4	401530	SS-6476-64	
2 X 2-1/2 NOMINAL					
2.003	2.503	1-1/2	101783	AA-2501-1	
		2	101784	AA-2501-2	
		2-1/2	101785	AA-2501-3	
		3	101786	AA-2501	
2.004	2.504	1	301423	B-3240-8	
		2	301424	B-3240-16	
		3	301425	B-3240-24	
2.004	2.505	1	201517	P-202-8 (EP324016)	
		1-1/2	201518	P-202-12 (EP324024)	
		2	201519	P-202-16 (EP324032)	
		2-1/2	201520	P-202-20 (EP324040)	
		3	201521	P-202-24 (EP324048)	
		3-1/2	201522	P-202-28 (EP324056)	
		4	201523	P-202-32 (EP324064)	
2.004	2.505	1	401531	SS-6480-16	
		1-1/2	401532	SS-6480-24	
		2	401533	SS-6480-32	
		2-1/2	401534	SS-6480-40	
		3	401535	SS-6480-48	
		3-1/2	401536	SS-6480-56	
		4	401537	SS-6480-64	
2-3/16 X 2-3/8 NOMINAL					
2.190	2.379	1-1/2	101787	AA-2303-1	
2-1/4 X 2-5/8 NOMINAL					
2.254	2.6295	2	101788	AA-2605-3	
		3	101789	AA-2605-5	
		3-1/2	101790	AA-2605	
		4-1/2	101791	AA-2605-2	
2.254	2.630	2	401538	SS-7284-32	
		2-1/2	401539	SS-7284-40	
		3	401540	SS-7284-48	
2.254	2.631	2	201524	P-225-16 (EP364232)	
		2-1/2	201525	P-225-20 (EP364240)	
		3	201526	P-225-24 (EP364248)	
2-1/4 X 2-3/4 NOMINAL					
2.253	2.753	1-1/2	101792	AA-2703-1	
		2	101793	AA-2703-2	
		3	101794	AA-2703	
2.254	2.754	2	301429	B-3644-16	
		3	301430	B-3644-24	

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
2.254	2.755	2	401541	SS-7288-32	
		3	401542	SS-7288-48	
2.254	2.756	2	201527	P-226-16 (EP364432)	
		3	201528	P-226-24 (EP364448)	
2-3/8 X 2-5/8 NOMINAL					
2.377	2.6295	1-1/4	101795	AA-2602-3	
		1-5/8	101796	AA-2602	
2-3/8 X 2-3/4 NOMINAL					
2.379	2.753	2	101797	AA-2701-2	
		2-1/2	101798	AA-2701-6	
		3	101799	AA-2701	
2.379	2.754	2	301432	B-3844-16	
		3	301433	B-3844-24	
		4	301434	B-3844-32	
2.379	2.755	2	401543	SS-7688-32	
		2-1/2	401544	SS-7688-40	
		3	401545	SS-7688-48	
2.379	2.756	2	201529	P-237-16 (EP384432)	
		2-1/2	201530	P-237-20 (EP384440)	
		3	201531	P-237-24 (EP384448)	
2-1/2 X 2-3/4 NOMINAL					
2.504	2.754	2	401546	SS-8088-32	
		2-1/2	401547	SS-8088-40	
		3	401548	SS-8088-48	
		4	401549	SS-8088-64	
2.505	2.754	2	101800	AA-2702-5	
		2-1/2	101801	AA-2702-4	
		3	101802	AA-2702-1	
2.505	2.756	2	201532	P-250-16 (EP404432)	
		3	201533	P-250-24 (EP404448)	
		4	201534	P-250-32 (EP404464)	
2-1/2 X 2-7/8 NOMINAL					
2.504	2.880	2-1/4	101803	AA-2803-1	
		2-1/2	101804	AA-2803-3	
		3	101805	AA-2803-2	
2.504	2.880	2-1/4	401550	SS-8092-36	
		2-1/2	401551	SS-8092-40	
		3	401552	SS-8092-48	
2.505	2.881	2-1/4	201535	P-251-18 (EP404636)	
		2-1/2	201536	P-251-20 (EP404640)	
		3	201537	P-251-24 (EP404648)	
2-1/2 X 3 NOMINAL					
2.504	3.005	2	101806	AA-3005-7	
		2-1/2	101807	AA-3005-4	
		3	101808	AA-3005-1	
		4	101809	AA-3005	
2.504	3.005	2	301438	B-4048-16	
		3	301439	B-4048-24	
		4	301440	B-4048-32	
2.504	3.005	2	401553	SS-8096-32	
		3	401554	SS-8096-48	
		4	401555	SS-8096-64	

		ITEM		PART	
ID	OD	LGTH.	NO.	NO.	
2.505	3.006	2	201538	P-252-16 (EP404832)	
		3	201539	P-252-24 (EP404848)	
		4	201540	P-252-32 (EP404864)	
2-3/4 X 3 NOMINAL					
2.753	3.005	1-1/2	101810	AA-3006-1	
		2-1/2	101811	AA-3006	
2.754	3.005	1-1/2	401556	SS-8896-24	
		2-1/2	401557	SS-8896-40	
2-3/4 X 3-1/8 NOMINAL					
2.753	3.129	1-1/4	101812	AA-3100-7	
		2-3/4	101813	AA-3100	
		4	101814	AA-3100-11	
2-3/4 X 3-1/4 NOMINAL					
2.752	3.254	1-1/2	101815	AA-3201-1	
		2	101816	AA-3201-4	
		3	101817	AA-3201-7	
		4	101818	AA-3201	
2.754	3.255	2	401558	SS-88104-32	
		3	401559	SS-88104-48	
		4	401560	SS-88104-64	
2.755	3.255	2	301441	B-4452-16	
		3	301442	B-4452-24	
		4	301443	B-4452-32	
2.755	3.257	2	201541	P-275-16 (EP445232)	
		3	201542	P-275-24 (EP445248)	
		4	201543	P-275-32 (EP445264)	
2-15/16 X 3-5/16 NOMINAL					
2.940	3.315	3	401561	SS-94106-48	
2.940	3.315	3	101819	AA-3301-3	
3 X 3-1/4 NOMINAL					
3.002	3.255	1-1/4	101820	AA-3200-5	
		2	101821	AA-3200	
		3	101822	AA-3200-2	
3.005	3.255	2	401562	SS-96104-32	
		3	401563	SS-96104-48	
3.006	3.257	2	201544	P-300-16 (EP485232)	
		3	201545	P-300-24 (EP485248)	
3 X 3-1/2 NOMINAL					
3.004	3.505	2-1/2	101823	AA-3502-7	
		3	101824	AA-3502-8	
		4	101825	AA-3502-3	
3.004	3.505	2	301444	B-4856-16	
		3	301445	B-4856-24	
		4	301446	B-4856-32	
3.005	3.505	2	401564	SS-96112-32	
		2-1/2	401565	SS-96112-40	
		3	401566	SS-96112-48	
		4	401567	SS-96112-64	
3.006	3.507	2	201546	P-301-16 (EP485632)	
		2-1/2	201547	P-301-20 (EP485640)	
		3	201548	P-301-24 (EP485648)	
		4	201549	P-301-32 (EP485664)	

POWDERED METAL SLEEVE BEARINGS

		ITEM PART	
ID	OD LGTH.	NO.	NO.
3-1/4 X 3-5/8 NOMINAL			
3.253	3.628	4	101826 AA-3600-5
3.253	3.628	4	401568 SS-104116-64
3-1/2 X 4 NOMINAL			
3.5035	4.004	2	101827 AA-4000-3
		3	101828 AA-4000-5
		3-1/2	101829 AA-4000-6
		4	101830 AA-4000
3.505	4.006	3	401569 SS-112128-48
		3-1/2	401570 SS-112128-56
		4	401571 SS-112128-64
3.507	4.008	2	201584 P-350-16 (EP566432)
		3	201550 P-350-24 (EP566448)
		3-1/2	201551 P-350-28 (EP566456)
		4	201552 P-350-32 (EP566464)
4 X 4-1/2 NOMINAL			
4.0035	4.504	4	101831 AA-4500
		6	101832 AA-4500-2
4.0035	4.504	4	401572 SS-128144-64
		6	401573 SS-128144-96
4.008	4.509	4	201553 P-400-32 (EP647264)
4 X 4-5/8 NOMINAL			
4.003	4.628	4	101833 AA-4600-5
4.003	4.628	4	401574 SS-128148-64
4-1/2 X 5-1/4 NOMINAL			
4.504	5.2545	5	101834 AA-5201
4.504	5.2545	5	401575 SS-144168-80
5 X 5-3/4 NOMINAL			
5.004	5.755	2	101835 AA-5700-1
5.004	5.755	2	401576 SS-160184-32

POWDERED METAL FLANGE BEARINGS

ID	OD	LGTH.	FIG. OD	FIG. THICK	ITEM NO.	PART NO.
1/8 X 1/4 NOMINAL						
.126	.252	1/4	5/16	1/16	102001	FF-207-2
		3/8			102002	FF-207-3
1/8 X 5/16 NOMINAL						
.127	.315	1/4	3/8	3/64	302001	FB-25-2
		3/8			302002	FB-25-3
3/16 X 5/16 NOMINAL						
.187	.313	1/4	3/8	1/16	102003	FF-313-1
		3/8			102004	FF-313-2
.189	.3145	1/8	3/8	3/64	302003	FB-35-1
		1/4			302004	FB-35-2
		3/8			302005	FB-35-3
.1895	.314	3/16	7/16	1/16	102005	FF-303-1
		1/4			102006	FF-303-3
		5/16			102007	FF-303-2
		3/8			102008	FF-303
		1/2			102009	FF-303-4
.1895	.314	3/16	7/16	1/16	402001	SF-610-3
		1/4			402002	SF-610-4
		5/16			402003	SF-610-5
		3/8			402004	SF-610-6
		1/2			402005	SF-610-8
.1895	.3155	3/16	7/16	1/16	202088	FL-19-1.5 (EF030503)
		1/4			202089	FL-19-2 (EF030504)
		5/16			202090	FL-19-2.5 (EF030505)
		3/8			202001	FL-19-3 (EF030506)
		1/2			202091	FL-19-4 (EF030508)
3/16 X 3/8 NOMINAL						
.1895	.3765	3/8	7/16	1/16	102010	FF-307
		1/2			102011	FF-307-2
1/4 X 3/8 NOMINAL						
.250	.381	3/16	1/2	1/16	102012	FF-310
		1/4			102013	FF-310-3
		5/16			102014	FF-310-4
		3/8			102015	FF-310-1
		7/16			102016	FF-310-5
		1/2			102017	FF-310-2
		9/16			102018	FF-310-7
		11/16			102019	FF-310-10
.252	.377	3/16	15/32	1/16	402006	SF-812-3
		1/4			402007	SF-812-4
		5/16			402008	SF-812-5
		3/8			402009	SF-812-6
		7/16			402010	SF-812-7
		1/2			402011	SF-812-8
		5/8			402012	SF-812-10
		3/4			402013	SF-812-12
.252	.377	1/4	1/2	3/64	302006	FB-46-2
		3/8			302007	FB-46-3
		1/2			302008	FB-46-4
		5/8			302009	FB-46-5
		3/4			302010	FB-46-6
.252	.3775	3/8	15/32	3/64	102023	FF-300
.252	.3775	1/4	15/32	1/16	102020	FF-312
		3/8			102021	FF-312-1
		1/2			102022	FF-312-2
.252	.378	3/16	1/2	1/16	202092	FL-26-1.5 (EF040603)
		1/4			202002	FL-26-2 (EF040604)
		3/8			202003	FL-26-3 (EF040606)
		7/16			202093	FL-26-3.5 (EF040607)
		1/2			202004	FL-26-4 (EF040608)
		5/8			202005	FL-26-5 (EF040610)
		3/4			202006	FL-26-6 (EF040612)

ID	OD	LGTH.	FIG. OD	FIG. THICK	ITEM NO.	PART NO.
.253	.377	1/2	1/2	1/16	102024	FF-375-1
1/4 X 7/16 NOMINAL						
.251	.4395	1/2	1/2	1/16	102025	FF435-1
1/4 X 1/2 NOMINAL						
.252	.503	5/8	5/8	1/16	102026	FF-565-2
		3/4			102027	FF-565-3
.252	.503	5/8	5/8	1/16	402014	SF-816-10
		3/4			402015	SF-816-12
5/15 X 3/8 NOMINAL						
.314	.377	3/8	1/2	3/64	302011	FB-56-3
5/16 X 7/16 NOMINAL						
.3125	.440	3/8	9/16	1/16	102028	FF-411-1
		1/2			102029	FF-411-2
		7/8			102030	FF-411-4
.314	.439	3/8	5/8	3/32	302012	F8-57-3
		1/2			302086	FB-57-4
		5/8			302087	FB-57-5
		3/4			302013	FB-57-6
		7/8			302088	FB-57-7
		1			302089	FB-57-8
.3145	.4405	3/8	9/16	1/16	202007	FL-32-3 (EF050706)
		1/2			202008	FL-32-4 (EF050708)
		3/4			202009	FL-32-6 (EF050712)
.315	.440	3/8	9/16	1/16	402016	SF-1014-6
		1/2			402017	SF-1014-8
		5/8			402018	SF-1014-10
		3/4			402019	SF-1014-12
		7/8			402020	SF-1014-14
		1			402021	SF-1014-16
5/16 X 1/2 NOMINAL						
.3135	.502	3/8	9/16	1/16	102031	FF-501-2
.314	.502	3/8	11/16	3/32	302014	FB-58-3
		1/2			302015	FB-58-4
		5/8			302016	FB-58-5
.3145	.503	3/8	11/16	1/16	202010	FL-33-3 (EF050806)
.3145	.503	3/8	11/16	1/16	402022	SF-1016-6
3/8 X 1/2 NOMINAL						
.3765	.502	1/4	5/8	1/16	102032	FF-520-15
		5/16			102033	FF-520-9
		3/8			102034	FF-520-10
		1/2			102035	FF-520-5
.3765	.503	1/2	5/8	3/32	102036	FF-512-2
		5/8			102037	FF-512-3
.377	.502	1/4	5/8	1/16	402023	SF-1216-4
		5/16			402024	SF-1216-5
		3/8			402025	SF-1216-6
		1/2			402026	SF-1216-8
		5/8			402027	SF-1216-10
		3/4			402028	SF-1216-12
		1			402029	SF-1216-16
.377	.502	3/8	11/16	3/32	302017	FB-68-3
		13/32			302018	FB-68-3-1/4
.377	.502	1/2	11/16	3/32	302019	FB-68-4
		5/8			302020	FB-68-5
		3/4			302021	F8-68-6
		7/8			302090	FB-68-7
		1			302022	FB-68-8
		1-1/4			302023	FB-68-10
.377	.503	1/4	11/16	1/16	202094	FL-38-2 (EF060804)
		3/8			202095	FL-38-3 (EF060806)
		1/2			202011	FL-38-4 (EF060808)
		3/4			202012	FL-38-6 (EF060812)
		1			202013	FL-38-8 (EF060816)

POWDERED METAL FLANGE BEARINGS

ID	OD	LGTH.	FIG. OD	FIG. THICK	ITEM NO.	PART NO.
3/8 X 1/2 NOMINAL (cont.)						
.378	.503	1/2	3/4	3/32	102038	FF-519-2
3/8 X 9/16 NOMINAL						
.376	.564	1/2	.740	1/16	102039	FF-503-6
		11/16			102040	FF-503-4
		13/16			102041	FF-503
.377	.5645	1/2	3/4	1/8	302091	FB-69-4
		3/4			302024	FB-69-6
		1-1/4			302025	FB-69-10
.377	.5655	1/2	11/16	1/16	202014	FL-39-4 (EF060908)
		3/4			202015	FL-39-6 (EF060912)
.377	.5655	1/2	11/16	1/16	402030	SF-1218-8
3/8 X 5/8 NOMINAL						
.376	.627	1/2	7/8	1/16	102042	FF-607-2
		3/4			102043	FF-607-3
		1-1/4			102044	FF-607-1
.377	.627	1/2	7/8	1/16	402031	SF-1220-8
		3/4			402032	SF-1220-12
		1			402033	SF-1220-16
		1-1/4			402034	SF-1220-20
.377	.627	3/8	7/8	1/8	302092	FB-610-3
		1/2			302026	FB-610-4
		5/8			302093	FB-610-5
		3/4			302027	FB-610-6
		1			302028	FB-610-8
		1-1/4			302029	FB-610-10
.377	.628	1/2	7/8	1/16	202016	FL-40-4 (EF061008)
		3/4			202017	FL-40-6 (EF061012)
		1			202018	FL-40-8 (EF061016)
		1-1/4			202019	FL-40-10 (EF061020)
3/8 X 3/4 NOMINAL						
.377	.753	1/2	1	1/8	302030	FB-612-4
7/16 X 9/16 NOMINAL						
.439	.565	1/2	11/16	1/16	102045	FF-504-3
		5/8			102046	FF-504
		3/4			102047	FF-504-1
.439	.565	1/2	11/16	1/16	402035	SF-1418-8
		5/8			402036	SF-1418-10
		3/4			402037	SF-1418-12
.4395	.5655	1/2	11/16	1/16	202020	FL-43-4 (EF070908)
		3/4			202021	FL-43-6 (EF070912)
1/16 X 5/8 NOMINAL						
.4385	.627	3/4	7/8	1/8	102048	FF-608-3
		1-1/4			102049	FF-608
.439	.628	5/8	7/8	1/8	302031	FB-710-5
		3/4			302094	FB-710-6
		1-1/4			302032	FB-710-10
.439	.628	5/8	7/8	1/8	402038	SF-1420-10
		3/4			402039	SF-1420-12
		1			402040	SF-1420-16
		1-1/4			402041	SF-1420-20
.4395	.628	3/4	7/8	1/8	202022	FL-44-6 (EF071012)
		1-1/4			202023	FL-44-10 (EF071020)
1/2 X 5/8 NOMINAL						
.502	.627	5/16	3/4	3/32	102053	FF-636-3
		3/8			102161	FF-636-2
.502	.627	3/16	7/8	1/16	102054	FF-620-9
		1/2			102055	FF-620-1
		9/16			102056	FF-620-5
		5/8			102057	FF-620-7
		11/16			102058	FF-620
		3/4			102059	FF-620-2
		15/16			102060	FF-620-6

ID	OD	LGTH.	FIG. OD	FIG. THICK	ITEM NO.	PART NO.
.502	.627	1	7/8	1/16	102061	FF-620-3
		1-1/8			102062	FF-620-4
.502	.627	1/4	7/8	1/16	402042	SF-1620-4
		3/8			402043	SF-1620-6
		1/2			402044	SF-1620-8
		9/16			402045	SF-1620-9
		5/8			402046	SF-1620-10
		11/16			402047	SF-1620-11
		3/4			402048	SF-1620-12
		1			402049	SF-1620-16
		1-1/4			402050	SF-1620-20
		1-1/2			402138	SF-1620-24
.502	.627	1/2	31/32	3/32	102050	FF-600-5
		1			102051	FF-600-2
		1-3/4			102052	FF-600
.502	.628	1/2	7/8	1/8	302033	FB-810-4
		5/8			302034	FB-810-5
		3/4			302035	FB-810-6
		7/8			302095	FB-810-7
		1			302036	FB-810-8
		1-1/4			302037	FB-810-10
		1-1/2			302038	FB-810-12
		1-3/4			302039	FB-810-14
.502	.628	5/16	7/8	1/8	202096	FL-50-2.5 (EF081005)
		3/8			202024	FL-50-3 (EF081006)
		1/2			202025	FL-50-4 (EF081008)
		5/8			202097	FL-50-5 (EF081010)
		3/4			202026	FL-50-6 (EF081012)
		1			202027	FL-50-8 (EF081016)
		1-1/4			202028	FL-50-10 (EF081020)
		1-1/2			202029	FL-50-12 (EF081024)
1/2 X 11/16 NOMINAL						
.502	.690	1/2	15/16	1/8	302040	FB-811-4
		5/8			302096	FB-811-5
		3/4			302041	FB-811-6
.502	.6905	5/16	7/8	1/8	202098	FL-51-2.5 (EF081105)
		1/2			202030	FL-51-4 (EF081108)
		3/4			202031	FL-51-6 (EF081112)
.502	.6905	5/16	7/8	1/8	402051	SF-1622-5
		1/2			402052	SF-1622-8
		3/4			402053	SF-1622-12
		7/8			402054	SF-1622-14
.502	.691	5/16	13/16	1/16	102066	FF-609-1
		1/2			102067	FF-609-3
		3/4			102068	FF-609-4
		13/16			102069	FF-609
.502	.691	1/2	31/32	3/32	102063	FF-604-2
		3/4			102064	FF-604-1
		13/16			102065	FF-604
1/2 X 3/4 NOMINAL						
.502	.753	1/2	15/16	1/8	102070	FF-707-5
		3/4			102071	FF-707-2
		1			102072	FF-707-3
.502	.753	3/8	15/16	1/8	402055	SF-1624-6
		1/2			402056	SF-1624-8
		5/8			402057	SF-1624-10
		3/4			402058	SF-1624-12
		1			402059	SF-1624-16
		1-1/4			402060	SF-1624-20
		1-1/2			402061	SF-1624-24

POWDERED METAL FLANGE BEARINGS

ID	OD	LGTH.	FIG. OD	FIG. THICK	ITEM NO.	PART NO.
1/2 X 3/4 NOMINAL (cont.)						
.502	.753	1/2	1	1/8	302042	FB-812-4
		5/8			302097	FB-812-5
		3/4			302043	FB-812-6
		7/8			302044	FB-812-7
		1			302045	FB-812-8
		1-1/4			302046	FB-812-10
		1-1/2			302047	FB-812-12
.502	.753	1/2	1	1/8	202032	FL-52-4 (EF081208)
		5/8			202087	FL-52-5 (EF081210)
		3/4			202033	FL-52-6 (EF081212)
		1			202034	FL-52-8 (EF081216)
		1-1/4			202035	FL-52-10 (EF081220)
.503	.753	3/4	15/16	1/8	102073	FF-710
.505	.753	3/8	1	1/8	102074	FF-723-5
		1/2			102075	FF-723-1
		5/8			102076	FF-723
9/16 X 3/4 NOMINAL						
.565	.753	1/2	1	1/8	302098	FB-912-4
		3/4			302099	FB-912-6
		1			302048	FB-912-8
5/8 X 3/4 NOMINAL						
.626	.753	1/2	1	1/8	302049	FB-1012-4
		5/8			302050	FB-1012-5
		3/4			302051	FB-1012-6
		1			302052	FB-1012-8
		1-1/4			302053	FB-1012-10
.6265	.7525	5/8	1	3/32	102077	FF-703-3
		3/4			102078	FF-703-7
		1			102079	FF-703-1
		1-1/8			102080	FF-703
		1-1/4			102081	FF-703-6
.627	.753	1/2	1	3/32	402062	SF-2024-8
		5/8			402063	SF-2024-10
		3/4			402064	SF-2024-12
		1			402065	SF-2024-16
		1-1/8			402066	SF-2024-18
		1-1/4			402067	SF-2024-20
		1-1/2			402068	SF-2024-24
.627	.753	5/8	1	1/8	202036	FL-62-5 (EF101210)
		3/4			202037	FL-62-6 (EF101212)
		1			202038	FL-62-8 (EF101216)
		1-1/8			202039	FL-62-9 (EF101218)
.6275	.7525	1/2	7/8	1/16	102082	FF-718-1
		1			102083	FF-718-3
		1-1/8			102084	FF-718-6
5/8 X 13/16 NOMINAL						
.625	.815	1	1	1/8	102085	FF-823-3
		1-1/4			102086	FF-823
.626	.815	1/2	1	1/8	102087	FF-842-1
		3/4			102088	FF-842-2
		1			102089	FF-842-3
.627	.815	5/8	1-1/16	5/32	302100	FB-1013-5
		3/4			302054	FB-1013-6
		1			302055	FB-1013-8
		1-1/4			302056	FB-1013-10
		1-7/16			302057	FB-1013-11.5
		1-1/2			302058	FB-1013-12
		2			302059	FB-1013-16
.627	.8165	3/4	1	1/8	202040	FL-63-6 (EF101312)
		1			202041	FL-63-8 (EF101316)
		1-1/4			202042	FL-63-10 (EF101320)
		1-1/2			202043	FL-63-12 (EF101324)

ID	OD	LGTH.	FIG. OD	FIG. THICK	ITEM NO.	PART NO.
.628	.815	3/4	1	1/8	402069	SF-2026-12
		1			402070	SF-2026-16
		1-1/4			402071	SF-2026-20
		1-1/2			402072	SF-2026-24
.628	.816	3/4	1-1/4	1/8	102090	FF-806-1
		1-7/16			102091	FF-806
.6295	.8155	1/2	1	1/8	102092	FF-805-2
		3/4			102093	FF-805
		1			102094	FF-805-3
5/8 X 7/8 NOMINAL						
.627	.877	5/8	1	1/8	102095	FF-843-4
		3/4			102096	FF-843
		1			102097	FF-843-2
		1-1/4			102098	FF-843-3
.627	.878	5/8	1-1/8	5/32	302101	FB-1014-5
		3/4			302060	FB-1014-6
		1			302061	FB-1014-8
		1-3/4			302062	FB-1014-14
.627	.879	1/2	1-1/8	1/8	202044	FL-64-4 (EF101408)
		5/8			202100	FL-64-5 (EF101410)
		3/4			202045	FL-64-6 (EF101412)
		1			202046	FL-64-8 (EF101416)
		1-1/4			202047	FL-64-10 (EF101420)
.628	.878	5/8	1	1/8	402073	SF-2028-10
		3/4			402074	SF-2028-12
		1			402075	SF-2028-16
		1-1/4			402076	SF-2028-20
		1-1/2			402077	SF-2028-24
5/8 X 1 NOMINAL						
.627	1.003	3/4	1-1/4	5/32	302102	FB-1016-6
		1			302063	FB-1016-8
.627	1.003	1	1-1/4	3/16	402078	SF-2032-16
.627	1.004	1	1-1/4	3/16	202048	FL-66-8 (EF101616)
3/4 X 7/8 NOMINAL						
.751	.877	1/2	1	1/16	102099	FF-838-1
		1			102100	FF-838-3
.752	.878	3/4	1-1/8	5/32	302064	FB-1214-6
		1			302065	FB-1214-8
		1-1/4			302103	FB-1214-10
.752	.879	1/2	1-1/8	1/8	202049	FL-75-4 (EF121408)
		3/4			202050	FL-75-6 (EF121412)
.753	.878	1/2	1-1/8	1/8	402079	SF-2428-8
		3/4			402080	SF-2428-12
		1			402081	SF-2428-16
		1-1/2			402082	SF-2428-24
3/4 X 15/16 NOMINAL						
.7505	.941	3/4	1-1/8	3/32	102101	FF-911-3
		1			102102	FF-911-4
.752	.940	1	1-3/16	5/32	302066	FB-1215-8
		1-1/4			302104	FB-1215-10
		1-1/2			302067	FB-1215-12
.752	.9415	9/16	1-1/4	1/8	202101	FL-76-4.5 (EF121509)
		3/4			202051	FL-76-6 (EF121512)
		1			202052	FL-76-8 (EF121516)
		1-1/8			202053	FL-76-9 (EF121518)
		1-1/4			202054	FL-76-10 (EF121520)
		1-1/2			202055	FL-76-12 (EF121524)
.753	.938	9/16	1-5/16	1/8	102103	FF-901-4
		3/4			102104	FF-901-6
		1-1/4			102105	FF-901-8
		1-9/16			102106	FF-901

POWDERED METAL FLANGE BEARINGS

ID	OD	LGTH.	FIG. OD	FIG. THICK	ITEM NO.	PART NO.
3/4 X 15/16 NOMINAL (cont.)						
.753	.940	3/4	1-1/4	1/8	402083	SF-2430-12
		1			402084	SF-2430-16
		1-1/8			402085	SF-2430-18
		1-1/4			402086	SF-2430-20
		1-1/2			402087	SF-2430-24
.753	.9405	1-1/8	1.175	1/8	102107	FF-905
3/4 X 1 NOMINAL						
.7505	1.002	1/2	1-7/16	1/8	102108	FF-1011-2
		5/8			102109	FF-1011
		1			102110	FF-1011-4
		1-1/8			102111	FF-1011-1
.751	1.002	3/4	1-1/2	1/8	102112	FF-1013-2
		1			102113	FF-1013
		1-1/4			102114	FF-1013-3
		1-1/2			102115	FF-1013-4
.752	1.002	3/4	1-5/16	1/8	102116	FF-1014-2
		1			102117	FF-1014
.752	1.003	5/8	1-1/4	5/32	302105	FB-1216-5
		3/4			302068	FB-1216-6
		1			302069	FB-1216-8
		1-1/4			302070	FB-1216-10
		1-1/2			302071	FB-1216-12
		2			302072	FB-1216-16
.752	1.004	5/8	1-1/4	3/16	202056	FL-77-5 (EF121610)
		3/4			202057	FL-77-6 (EF121612)
		1			202058	FL-77-8 (EF121616)
		1-1/8			202059	FL-77-9 (EF121618)
		1-1/4			202060	FL-77-10 (EF121620)
		1-1/2			202061	FL-77-12 (EF121624)
.753	1.003	1/2	1-1/8	1/8	102118	FF-1015-1
		3/4			102119	FF-1015-2
		1			102120	FF-1015
.753	1.003	1/2	1-1/8	1/8	402088	SF-2432-8
		5/8			402089	SF-2432-10
		3/4			402090	SF-2432-12
		1			402091	SF-2432-16
		1-1/8			402092	SF-2432-18
		1-1/4			402093	SF-2432-20
		1-1/2			402094	SF-2432-24
3/4 X 1-1/16 NOMINAL						
.752	1.0655	1-3/16	1-3/16	1/8	102121	FF-1010
7/8 X 1 NOMINAL						
.8765	1.003	5/8	1-1/4	1/8	102122	FF-1001-2
		3/4			102123	FF-1001-1
		1			102124	FF-1001
.877	1.003	1/2	1-1/4	1/8	402095	SF-2832-8
		3/4			402096	SF-2832-12
		1			402097	SF-2832-16
		1-1/4			402098	SF-2832-20
		1-1/2			402099	SF-2832-24
.877	1.003	3/4	1-1/4	5/32	302073	FB-1416-6
		1			302106	FB-1416-8
		1-1/4			302074	FB-1416-10
.877	1.004	1/2	1-1/4	3/16	202062	FL-87-4 (EF141608)
		3/4			202063	FL-87-6 (EF141612)
		1			202064	FL-87-8 (EF141616)
7/8 X 1-1/8 NOMINAL						
.877	1.128	1	1-3/8	5/32	302075	FB-1418-8
		1-1/4			302107	FB-1418-10
		1-1/2			302076	FB-1418-12

ID	OD	LGTH.	FIG. OD	FIG. THICK	ITEM NO.	PART NO.
.877	1.128	5/8	1-1/2	1/8	102125	FF-1102-6
		1			102126	FF-1102-2
		1-1/4			102127	FF-1102-3
		1-3/4			102128	FF-1102
.877	1.129	3/4	1-1/2	1/8	202065	FL-89-6 (EF141812)
		1			202066	FL-89-8 (EF141816)
		1-1/4			202067	FL-89-10 (EF141820)
		1-1/2			202068	FL-89-12 (EF141824)
		1-3/4			202069	FL-89-14 (EF141828)
.878	1.128	5/8	1-1/2	1/8	402100	SF-2836-10
		3/4			402101	SF-2836-12
		1			402102	SF-2836-16
		1-1/4			402103	SF-2836-20
		1-1/2			402104	SF-2836-24
		1-3/4			402105	SF-2836-28
1 X 1-1/4 NOMINAL						
1.001	1.252	3/4	1-1/2	1/8	102129	FF-1213-1
		1-1/2			102130	FF-1213-4
1.001	1.253	3/4	1-7/8	1/8	102131	FF-1202-4
		1			102132	FF-1202-3
		1-1/4			102133	FF-1202
1.002	1.252	3/4	1-5/8	1/8	102134	FF-1207-5
		1-1/4			102135	FF-1207-7
		1-1/2			102136	FF-1207-3
		1-3/4			102137	FF-1207
1.002	1.253	3/4	1-1/2	3/16	302077	FB-1620-6
		1			302078	FB-1620-8
		1-1/4			302079	FB-1620-10
		1-1/2			302080	FB-1620-12
		2			302081	FB-1620-16
1.003	1.253	3/4	1-5/8	1/8	402106	SF-3240-12
		1			402107	SF-3240-16
		1-1/4			402108	SF-3240-20
		1-1/2			402109	SF-3240-24
		1-3/4			402110	SF-3240-28
		2			402111	SF-3240-32
1.003	1.254	3/4	1-1/2	1/8	202070	FL-102-6 (EF162012)
		1			202071	FL-102-8 (EF162016)
1.003	1.254	1-1/4	1-1/2	1/8	202072	FL-102-10 (EF162020)
		1-1/2			202073	FL-102-12 (EF162024)
1 X 1-5/16 NOMINAL						
1.001	1.316	1-1/4	1-3/4	7/32	102138	FF-1302
		1-1/2			102139	FF-1302-3
1.0015	1.3155	1-1/2	1-7/8	1/8	102140	FF-1301
1 X 1-3/8 NOMINAL						
1.000	1.3785	1-3/4	1-3/4	3/16	102141	FF-1304
		2			102142	FF-1304-1
1.002	1.378	1	1-5/8	3/16	302082	FB-1622-8
		1-1/2			302108	FB-1622-12
		1-3/4			302083	FB-1622-14
1.003	1.378	3/4	1-5/8	3/16	402112	SF-3244-12
		1			402113	SF-3244-16
		1-1/2			402114	SF-3244-24
		1-3/4			402115	SF-3244-28
		2			402116	SF-3244-32
1.003	1.379	3/4	1-5/8	3/16	202074	FL-104-6 (EF162212)
		1			202075	FL-104-8 (E1162216)
		1-1/2			202076	FL-104-12 (EF162224)
		1-3/4			202077	FL-104-14 (EF162228)
		2			202078	FL-104-16 (EF162232)

POWDERED METAL FLANGE BEARINGS

ID	OD	LGTH.	FIG. OD	FIG. THICK	ITEM NO.	PART NO.
1-1/8 X 1-3/8 NOMINAL						
1.127	1.377	3/4	1-3/4	1/8	102143	FF-1314-1
		1			102144	FF-1314-2
		1-1/4			102145	FF-1314-3
1.127	1.377	3/4	1-3/4	1/8	402117	SF-3644-12
		1			402118	SF-3644-16
		1-1/4			402119	SF-3644-20
1-1/4 X 1-1/2 NOMINAL						
1.2515	1.503	1/2	1-11/16	1/8	102146	FF-1505-5
		1-1/4			102147	FF-1505
1.252	1.503	1/2	1-11/16	1/8	402120	SF-4048-8
		3/4			402121	SF-4048-12
		1			402122	SF-4048-16
		1-1/4			402123	SF-4048-20
		1-1/2			402124	SF-4048-24
		1-3/4			402125	SF-4048-28
1.252	1.503	1	1-3/4	3/16	302109	FB-2024-8
		1-1/4			302084	FB-2024-10
		1-1/2			302110	FB-2024-12
1.252	1.503	1-1/2	2	3/32	102148	FF-1506-4
		1-3/4			102149	FF-1506-5
1.2535	1.504	1	1-3/4	3/16	202079	FL-125-8 (EF202416)
		1-1/4			202080	FL-125-10 (EF202420)
		1-1/2			202081	FL-125-12 (EF202424)
		1-3/4			202082	FL-125-14 (EF202428)
1-3/8 X 1-5/8 NOMINAL						
1.377	1.628	3/4	2	1/8	102150	FF-1618
		1			102151	FF-1618-1
1.377	1.628	3/4	2	1/8	402126	SF-4452-12
		1			402127	SF-4452-16
1-1/2 X 1-3/4 NOMINAL						
1.503	1.752	1-1/2	2	3/32	102152	FF-1704-4
1.503	1.752	1-1/2	2	3/32	402128	SF-4856-24
1.503	1.754	1-1/2	2-1/16	3/16	302085	FB-2428-12
1.504	1.755	1-1/2	2	3/16	202083	FL-150-12 (EF242824)
1-5/8 X 2 NOMINAL						
1.6265	2.004	2	2-1/4	3/16	102153	FF-2000
1.6265	2.004	2	2-1/4	3/16	402129	SF-5264-32
1.629	2.005	2	2-1/4	3/16	202084	FL-163-16 (EF263232)
1-3/4 X 2-1/4 NOMINAL						
1.753	2.254	2-1/2	3	1/4	102154	FF-2204-3
1.753	2.254	2-1/2	3	1/4	402130	SF-5672-40
1.754	2.255	2-1/2	3	1/4	202085	FL-177-20 (EF283640)
2 X 2-1/4 NOMINAL						
2.003	2.254	3/4	2-1/2	1/8	102155	FF-2203-2
		1			102156	FF-2203-3
		1-1/4			102157	FF-2203-4
2.003	2.254	3/4	2-1/2	1/8	402131	SF-6472-12
		1			402132	SF-6472-16
		1-1/4			402133	SF-6472-20
		2			402134	SF-6472-32
2.004	2.255	2	2-1/2	1/8	202086	FL-200-16 (EF323632)
2 X 2-1/2 NOMINAL						
2.002	2.501	2-3/8	3	3/8	102158	FF-2501
2.002	2.501	2-3/8	3	3/8	402135	SF-6480-38
2-3/4 X 3-1/4 NOMINAL						
2.752	3.250	1-1/2	4-1/2	3/16	102159	FF-3200-4
3 X 3-1/2 NOMINAL						
3.002	3.502	2-3/8	4	3/8	102160	FF-3500
3.002	3.502	2-3/8	4	3/8	402137	SF-96112-38

POWDERED METAL THRUST WASHERS

ID	OD	LGTH.	ITEM NO.	PART NO.
1/4 X 7/16 NOMINAL				
.255	.4375	1/16	102401	TT-400
.255	.4375	1/16	402401	ST-814-2
1/4 X 1/2 NOMINAL				
.255	.500	1/16	102402	TT-504
.255	.500	1/16	402402	ST-816-2
1/4 X 5/8 NOMINAL				
.252	.628	1/16	202401	TW-25 (EW041001)
.255	.625	1/16	102403	TT-601
.255	.625	1/16	302401	TB-410
.255	.625	1/16	402403	ST-820-2
5/16 X 5/8 NOMINAL				
.3145	.625	1/16	102404	TT-602
.315	.625	1/16	402404	ST-1020-2
5/16 X 3/4 NOMINAL				
.3145	.753	1/16	202402	TW-31 (EW051201)
.315	.750	1/16	102405	TT-709-1
.315	.750	1/16	302402	TB-512
.315	.750	1/16	402405	ST-1024-2
3/8 X 5/8 NOMINAL				
.385	.625	1/16	102406	TT-604
.385	.625	1/16	402406	ST-1220-2
3/8 X 3/4 NOMINAL				
.377	.753	1/16	202403	TW-37 (EW061201)
		1/8	202429	TW-38 (EW061202)
.3775	.750	1/16	182407	TT-710-1
		1/8	102408	TT-710-2
.380	.750	1/32	402407	ST-1224-1
		1/8	402409	ST-1224-4
		1/16	402408	ST-1224-2
.390	.750	1/32	102409	TT-703
.390	.750	1/32	302403	TB-612
7/16 X 3/4 NOMINAL				
.4385	.750	1/16	102410	TT-705-1
.439	.750	1/16	302418	TB-712
.4395	.753	1/16	202404	TW-43 (EW071201)
.440	.750	1/16	402410	ST-1424-2
		1/8	402411	ST-1424-4
1/2 X 3/4 NOMINAL				
.502	.753	1/16	202405	TW-50 (EW081201)
.505	.750	1/16	402412	ST-1624-2
.507	.750	1/16	102411	TT-706
.507	.750	1/16	302404	TB-812
1/2 X 7/8 NOMINAL				
.505	.875	3/16	102412	TT-801
.505	.875	3/16	302405	TB-814
.505	.875	3/16	402413	ST-1628-6
1/2 X 1 NOMINAL				
.502	1.004	1/16	202406	TW-51 (EW081601)
		3/32	202430	TW51.5 (EW081601.5)
		1/8	202407	TW-52 (EW081602)
.510	1.000	1/16	102413	TT-1001
		3/32	102414	TT-1001-2
.510	1.000	1/8	102415	TT-1001-1
.510	1.000	1/16	302406	TB-816
.510	1.000	1/16	402414	ST-1632-2
		3/32	402415	ST-1632-3
		1/8	402416	ST-1632-4

ID	OD	LGTH.	ITEM NO.	PART NO.
9/16X 1-1/4 NOMINAL				
.5645	1.254	1/16	202431	TW-55 (EW092001)
		1/8	202408	TW-56 (EW092002)
.565	1.250	1/16	102416	TT-1200-1
		1/8	102417	TT-1200
.565	1.250	1/8	302407	TB-920
.565	1.250	1/16	402417	ST-1840-2
		1/8	402418	ST-1840-4
5/8 X 1 NOMINAL				
.627	1.004	1/16	202409	TW-62 (EW101601)
		1/8	202410	TW-63 (EW101602)
.628	1.000	1/16	102418	TT-1002-1
		1/8	102419	TT-1002
.628	1.000	1/8	302408	TB-1016
.628	1.000	1/16	402419	ST-2032-2
		1/8	402420	ST-2032-4
5/8 X 1-3/16 NOMINAL				
.627	1.187	3/32	302409	TB-1019
.627	1.1875	1/16	102420	TT-1102-1
		3/32	102421	TT-1102
		1/8	102422	TT-1102-2
.627	1.1915	1/16	202432	TW-63.5 (EW101901)
		3/32	202411	TW-64 (EW101902)
		1/8	202433	TW-64.5 (EW101903)
.628	1.1875	1/16	402421	ST-2038-2
		3/32	402422	ST-2038-3
		1/8	402423	S1-2038-4
5/8 X 1-1/4 NOMINAL				
.627	1.254	1/16	202434	TW-64.7 (EW102001)
		1/8	202412	TW-65 (EW102002)
.628	1.250	1/16	102423	TT-1204
		1/8	102424	TT-1204-1
.628	1.250	1/16	402424	ST-2040-2
		1/8	402425	ST-2040-4
.6285	1.250	1/8	302419	TB-1020
5/8 X 1-1/2 NOMINAL				
.6265	1.500	1/8	302420	TB-1024
21/32 X 1-1/2 NOMINAL				
.656	1.500	1/16	102425	TT-1508-1
		1/8	102426	TT-1508-2
.656	1.500	1/16	402426	ST-2148-2
		1/8	402427	ST-2148-4
3/4 X 1-1/4 NOMINAL				
.7515	1.250	1/8	302421	TB-1220
.752	1.254	1/16	202413	TW-75 (EW122001)
		1/8	202414	TW-76 (EW122002)
.753	1.250	1/16	102427	TT-1205
		1/8	102428	TT-1205-1
.753	1.250	1/16	402428	ST-2440-2
		1/8	402429	ST-2440-4
3/4 X 1-3/8 NOMINAL				
.752	1.375	1/8	302422	TB-1222
.752	1.379	1/8	202415	TW-77 (EW122202)
.753	1.375	1/16	102429	TT-1303-1
		1/8	102430	TT-1303-2
		1/4	102431	TT-1303-4

POWDERED METAL THRUST WASHERS

ID	OD	LGTH.	ITEM NO.	PART NO.
3/4 X 1-3/8 NOMINAL (cont.)				
.753	1.375	1/16	402430	ST-2444-2
		1/8	402431	ST-2444-4
		1/4	402432	ST-2444-8
3/4 X 1-9/16 NOMINAL				
.752	1.5675	3/32	202416	TW-78 (EW122502)
.765	1.562	3/32	302410	TB-1225
.765	1.5625	3/32	102432	TT-1501-1
.765	1.5625	3/32	402433	ST-2450-3
3/4 X 1-3/4 NOMINAL				
.752	1.755	1/8	202417	TW-79 (EW122802)
.765	1.750	1/8	102433	TT-1701
.765	1.750	1/8	302411	TB-1228
.765	1.750	1/8	402434	ST-2456-4
7/8 X 1-1/2 NOMINAL				
.877	1.504	1/16	202435	TW-86 (EW142401)
		1/8	202418	TW-87 (EW142402)
.890	1.500	1/8	302412	TB-1424
.8905	1.500	1/16	102434	TT-1503-2
		1/8	102435	TT-1503
.8905	1.500	1/16	402435	ST-2848-2
		1/8	402436	ST-2848-4
7/3 X 2 NOMINAL				
.880	2.000	1/8	102436	TT-2007
.880	2.000	1/8	402437	ST-2864-4
7/8 X 2-1/8 NOMINAL				
.890	2.125	1/8	302413	TB-1434
.8905	2.125	1/8	102437	TT-2101-1
.8905	2.125	1/8	402438	ST-2868-4
1 X 1-1/2 NOMINAL				
1.003	1.500	1/16	402439	ST-3248-2
		1/8	402440	ST-3248-4
		3/16	402441	ST-3248-6
1.003	1.504	1/16	102438	TT-1502-2
		1/8	102439	TT-1502
		3/16	102440	TT-1502-1
1.003	1.504	1/8	302414	TB-1624
1.003	1.504	1/16	202436	TW-99 (EW162401)
		1/8	202419	TW-100 (EW162402)
1 X 1-5/8 NOMINAL				
1.003	1.630	1/16	202437	TW-100.5 (EW162601)
		1/8	202420	TW-101 (EW162602)
		1/4	202438	TW-101.5 (EW162604)
1.0155	1.625	1/16	102441	TT-1603-3
		1/8	102442	TT-1603
		1/4	102443	TT-1603-4
1.0155	1.625	1/16	402442	ST-3252-2
		1/8	402443	ST-3252-4
		1/4	402444	ST-3252-8
1 X 1-3/4 NOMINAL				
1.012	1.750	1/16	102444	TT-1709-1
		1/8	102445	TT-1709
1.012	1.750	1/16	402445	ST-3256-2
		1/8	402446	ST-3256-4
1 X 2 NOMINAL				
1.003	2.005	1/8	202421	TW-102 (EW163202)
		3/16	202439	TW-103 (EW163203)

ID	OD	LGTH.	ITEM NO.	PART NO.
1 X 2 NOMINAL (cont.)				
1.016	2.000	1/8	102446	TT-2001
		3/16	102447	TT-2001-1
1.016	2.000	1/8	302415	TB-1632
1.016	2.000	1/8	402447	ST-3264-4
		3/16	402448	ST-3264-6
1 X 2-7/8 NOMINAL				
1.0155	2.875	1/8	102448	TT-2800
1.0155	2.875	1/8	402449	ST-3292-4
1-1/16 X 2-3/8 NOMINAL				
1.0625	2.375	1/16	102449	TT-2301-4
		1/8	102450	TT-2301-3
1.0625	2.375	1/16	402450	ST-3476-2
		1/8	402451	ST-3476-4
1-1/8 X 1-7/8 NOMINAL				
1.140	1.875	1/8	102451	TT-1800-1
1.140	1.875	1/8	402452	ST-3660-4
1-1/4 X 1-11/16 NOMINAL				
1.253	1.690	1/8	102452	TT-1602
1.253	1.690	1/8	402453	ST-4054-4
1.2535	1.6925	1/8	202422	TW-125 (EW202702)
1-1/4 X 1-3/4 NOMINAL				
1.253	1.750	1/8	302416	TB-2028
1-1/4 X 2 NOMINAL				
1.2535	2.005	1/16	202440	TW-126.5 (EW203201)
		1/8	202423	TW-126 (EW203202)
1.265	2.000	1/16	102453	TT-2006
		1/8	102454	TT-2006-1
1.265	2.000	1/16	402454	ST-4064-2
		1/8	402455	ST-4064-4
1-1/4 X 2-3/8 NOMINAL				
1.265	2.375	1/16	102455	TT-2304-1
		1/8	102456	TT-2304-2
1.265	2.375	1/16	402456	ST-4076-2
		1/8	402457	ST-4076-4
1-1/4 X 3-5/16 NOMINAL				
1.255	3.312	1/16	102457	TT-3301
		1/8	102458	TT-3301-1
1.255	3.312	1/16	402458	ST-40106-2
		1/8	402459	ST-40106-4
1-3/8 X 1-15/16 NOMINAL				
1.379	1.940	1/8	102459	TT-1900
1.379	1.940	1/8	402460	ST-4462-4
1-1/2 X 2 NOMINAL				
1.503	2.000	1/8	102460	TT-2008
1.503	2.000	1/8	402461	ST-4864-4
1-1/2 X 2-1/2 NOMINAL				
1.504	2.505	1/8	202424	TW-150 (EW244002)
1.505	2.505	1/8	402462	ST-4880-4
1-1/2 X 3-1/2 NOMINAL				
1.504	3.507	3/16	202425	TW-151 (EW245603)
1.510	3.500	3/16	102461	TT-3500-1
1.510	3.500	3/16	302417	TB-2456
1.510	3.500	3/16	402463	ST-48112-6
1-9/16 X 2-7/16 NOMINAL				
1.578	2.4375	1/8	102462	TT-2402
1.578	2.4375	1/8	402464	ST-5078-4

POWDERED METAL THRUST WASHERS

ID	OD	LGTH.	ITEM NO.	PART NO.
1-3/4 X 2-7/16 NOMINAL				
1.755	2.440	1/8	102463	TT-2400-1
1.755	2.440	1/8	402465	ST-5678-4
1-3/4 X 2-5/8 NOMINAL				
1.754	2.631	1/8	202426	TW-175 (EW284202)
1.765	2.625	1/8	102464	TT-2601
1.765	2.825	1/8	482466	ST-5684-4
1-15/16 X 2-5/8 NOMINAL				
1.953	2.625	1/8	102465	TT-2600
1.953	2.625	1/8	402467	ST-6284-4
2X3 NOMINAL				
2.004	3.006	1/8	202427	TW-200 (EW324802)
		1/4	202428	TW-201 (EW324804)
2.010	3.000	1/8	102467	TT-3001-3
		3/16	102466	TT-3001
		1/4	102468	TT-3001-1
2.011	3.000	1/8	402468	ST-6496-4
		3/16	402469	ST-6496-6
		1/4	402470	ST-6496-8
2 X 3-5/8 NOMINAL				
2.031	3.625	3/16	102469	TT-3600
2.031	3.625	3/16	402471	ST-64116-6
2-1/16 X 4 NOMINAL				
2.062	4.000	1/8	102470	TT-4002-1
		1/4	102471	TT-4002
2.062	4.000	1/8	402472	ST-66128-4
		1/4	402473	ST-68128-8
2-1/2 X 3-1/4 NOMINAL				
2.502	3.250	1/8	102472	TT-3200
2.502	3.250	1/8	402474	ST-80104-4
2-3/4 X 3-7/8 NOMINAL				
2.766	3.875	1/4	102473	TT-3800
2.766	3.875	1/4	402475	ST-88124-8

POWDERED METAL BRONZE STOCK SIZES BAR STOCK

CORED BAR STOCK

ID	OD	LENGTH	ITEM NO.	PART NO.
1/2	1	6-1/2	102601	CC-1000-2
	1-1/8	6-1/2	102602	CC-1103
	1-1/4	6-1/2	102603	CC-1203
	1-1/2	6-1/2	102604	CC-1502
	2	6-1/2	102605	CC-2005
5/8	1	6-1/2	102606	CC-1001
	1-1/8	6-1/2	102607	CC-1101-1
	1-1/4	6-1/2	102608	CC-1200-1
	1-3/8	6-1/2	102609	CC-1302
	1-1/2	6-1/2	102610	CC-1503
	1-3/4	6-1/2	102611	CC-1703
	2	6-1/2	102612	CC-2006
3/4	1-1/4	6-1/2	102613	CC-1201-1
	1-1/2	6-1/2	102614	CC-1500-1
	1-3/4	6-1/2	102615	CC-1702
	2	6-1/2	102616	CC-2001
	2-1/4	6-1/2	102617	CC-2206
	2-1/2	6-1/2	102618	CC-2504
	2-3/4	6-1/2	102619	CC-2704
7/8	1-3/8	6-1/2	102620	CC-1301
	1-1/2	6-1/2	102621	CC-1504
	2	6-1/2	102622	CC-2007
	2-1/4	6-1/2	102623	CC-2207
1	1-1/2	6-1/2	102624	CC-1501
	1-5/8	6-1/2	102625	CC-1600-1
	1-3/4	6-1/2	102626	CC-1700-2
	2	6-1/2	102627	CC-2002
	2-1/4	6-1/2	102628	CC-2202-2
	2-1/2	6-1/2	102629	CC-2501
	3	6-1/2	102630	CC-3001
	3-1/2	6-1/2	102631	CC-3504
	4	6-1/2	102632	CC-4004
1-1/8	2-1/8	6-1/2	102633	CC-2102
1-1/4	1-3/4	6-1/2	102634	CC-1701-3
	2	6-1/2	102635	CC-2000-1
	2-1/4	6-1/2	102636	CC-2203
	2-1/2	6-1/2	102637	CC-2502
	3	6-1/2	102638	CC-3003
	3-1/2	6-1/2	102639	CC-3505
	4	6-1/2	102640	CC-4005
1-3/8	2	6-1/2	102641	CC-2003
	2-3/4	6-1/2	102642	CC-2702
1-1/2	2	6-1/2	102643	CC-2004
	2-1/4	6-1/2	102644	CC-2200-1
	2-1/2	6-1/2	102645	CC-2503
	2-3/4	6-1/2	102646	CC-2701
	3	6-1/2	102647	CC-3002
	3-1/2	6-1/2	102648	CC-3502
	4	6-1/2	102649	CC-4007
1-3/4	2-1/4	6-1/2	102650	CC-2201-3
	2-1/2	6-1/2	102651	CC-2500-1
	2-5/8	6-1/2	102652	CC-2604
	3-3/4	6-1/2	102653	CC-2703
	3	6-1/2	102654	CC-3005

SOLID BAR STOCK

			ITEM	PART
ID	OD	LENGTH	NO.	NO.
1-3/4	3-1/2	6-1/2	102655	CC-3503
	4-1/4	6-1/2	102656	CC-4202
	4-1/2	6-1/2	102657	CC-4502
2	2-3/4	6-1/2	102658	CC-2700-1
	3	6-1/2	102659	CC-3000
	3-1/4	6-1/2	102660	CC-3201-2
	4	6-1/2	102661	CC-4003
	4-1/2	6-1/2	102662	CC-4501
	5	6-1/2	102663	CC-5000
	5-1/2	6-1/2	102664	CC-5500
2-1/4	3	6-1/2	102665	CC-3006
	3-1/4	6-1/2	102666	CC-3202-1
	3-1/2	6-1/2	102667	CC-3500-1
	3-3/4	6-1/2	102668	CC-3703
	4	6-1/2	102669	CC-4008
	4-1/2	6-1/2	102670	CC-4503
2-3/8	3	6-1/2	102671	CC-3007
	3-1/2	6-1/2	102672	CC-3507
	4	6-1/2	102673	CC-4009
	4-1/2	6-1/2	102674	CC-4504
2-1/2	3-1/2	6-1/2	102675	CC-3501
	3-3/4	6-1/2	102676	CC-3702
	4	6-1/2	102677	CC-4010
	4-1/4	6-1/2	102678	CC-4203
	4-1/2	6-1/2	102679	CC-4505
	5	6-1/2	102680	CC-5001
2-3/4	3-3/4	6-1/2	102681	CC-3700-1
3	3-3/4	6-1/2	102682	CC-3701-1
	4	6-1/2	102683	CC-4001
	4-1/2	6-1/2	102684	CC-4506
	5	6-1/2	102685	CC-5002
	6	6-1/2	102686	CC-6000
3-1/4	4-1/4	6-1/2	102688	CC-4200-1
3-1/2	4-3/4	6-1/2	102689	CC-4700-2
	5	6-1/2	102690	CC-5003
	6	6-1/2	102691	CC-6002
3-3/4	5	6-1/2	102692	CC-5004
4	5-1/2	6-1/2	102693	CC-5501
	6	6-1/2	102694	CC-6001
	7	6-1/2	102695	CC-7001
	8	6-1/2	102696	CC-8000
4-1/2	6	6-1/2	102697	CC-6003
5	7	6-1/2	102698	CC-7000
6	8	6-1/2	102699	CC-8001

SAE 841 CIRCULAR BEARING PLATES

SAE 841 RECTANGULAR PLATE STOCK

SAE 863 SUPER BAR STOCK

POWDERED METAL BRONZE BEARINGS STOCK SIZES- (DISCS-CIRCULAR BEARING PLATES)

ID.	O.D.	THICK	ITEM NO.	PART NO.
		NESS + .0025		
	3	1/4	103001	DD-3000
	3	3/8	103002	DD-3000-1
	4	1/4	103003	DD-4000
	5-5/8	†1/4	103004	DD-5602-1
	6	†5/16	103005	DD-6000
	7	‡5/16	103006	DD-7001
	8	‡5/16	103007	DD-8000
	8	‡3/8	103008	DD-8000-3
1	3	1/4	103101	CD-3001
1	4	1/4	103102	CD-4001
2	4	1/4	103103	CD-4002
2	5-1/2	†1/4	103104	CD-5500
2-1/4	4-1/2	1/4	103105	CD-4502
2-1/4	7	†1/4	103106	CD-7000-2
3	9	†5/16	103107	CD-9001
4	6	†5/16	103108	CD-6003

†Thickness ± .0035"

‡Thickness ± .005"

I.D. and O.D. will finish to dimensions shown.

RECTANGULAR PLATE STOCK

THICK NESS			ITEM	PART
W	L	+ .010 - .005	NO.	NO.
PLATE				
1/2	2-1/2	1/4	102901	PP-2500
2	8-1/8	1/4	102903	PP-8100-1
2	8-1/8	1/2	102904	PP-8100
3	12	1/4	102905	PP-12100
3	12	1/2	102906	PP-12100-1
3	12	3/4	102907	PP-12100-2
3	12	1	102908	PP-12100-3
5	6	1/8	102909	PP-6000
5	6	3/16	102910	PP-6000-1
5	6	1/4	102911	PP-6000-2
5	6	3/8	102912	PP-6000-4
5	6	1/2	102913	PP-6000-5
5	6	5/8	102914	PP-6000-6
5	6	3/4	102915	PP-6000-7
5	6	1	102916	PP-6000-8
5	8	1/8	102917	PP-8000-7
5	8	1/4	102919	PP-8000-1
5	8	1/2	102920	PP-8000-4
5	8	3/4	102921	PP-8000-5
5	8	1	102922	PP-8000-6
6	12	1/8	102923	PP-12000-6
6	12	3/16	102924	PP-12000-7
6	12	1/4	102925	PP-12000
6	12	3/8	102926	PP-12000-1
6	12	1/2	102927	PP-12000-2
6	12	5/8	102928	PP-12000-3
6	12	3/4	102929	PP-12000-4
6	12	1	102930	PP-12000-5

SUPER BAR STOCK-5" LENGTH

SAE 853, 18-22% COPPER - BALANCE IRON

I.D.	O.D.	LENGTH	ITEM NO.	PART NO.
CORED				
1/2	1	5	103301	SSC-1000
1/2	1-7/16	5	103302	SSC-1402
3/4	1-3/16	5	103304	SSC-1102
3/4	1-9/16	5	103305	SSC-1500
3/4	1-15/16	5	103306	SSC-1900
1	2-3/16	5	103311	SSC-2100
1-1/4	1-11/16	5	103312	SSC-1602
1-1/4	2-3/16	5	103313	SSC-2103
1-1/4	2-7/8	5	103314	SSC-2803
1-1/2	1-15/16	5	103316	SSC-1904
1-1/2	3-7/8	5	103319	SSC-3805
1-3/4	2-1/2	5	103320	SSC-2504
1-3/4	3	5	103321	SSC-3004
2	2-5/8	5	103323	SSC-2600
2	3	5	103324	SSC-3005
2-1/2	3-3/8	5	103327	SSC-3301
2-1/2	4-1/8	5	103328	SSC-4102
3	4-7/8	5	103331	SSC-4802
SOLID				
	3/8	3	103401	SSS-300
	1/2	6-1/2	103402	SSS-500
	5/8	5	103403	SSS-600
	3/4	5	103404	SSS-700
	7/8	5	103405	SSS-800
	1	5	103406	SSS-1000
	1-3/16	5	103407	SSS-1100
	1-5/16	5	103408	SSS-1300
	1-7/16	5	103409	SSS-1400
	1-9/16	5	103410	SSS-1500
	1-13/16	5	103411	SSS-1800
	2	5	103412	SSS-2000
	2-7/8	5	103413	SSS-2800

CAST BRONZE BEARINGS

SPECIAL SIZES AND ALLOYS

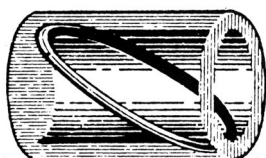
Our Cast Bearings are made to exacting dimensions and a full range of bronze bearing alloys is available to suit your requirements. Orders placed in quantities from one to thousands are handled economically and fast.

GRAPHITING

Graphite lubrication on the ID face of the bearing will enable you to obtain long bearing life both at high operating temperatures, and in applications lacking a supplemental lubrication. Graphiting is accomplished by grooving the I.D. and then pressing Graph-

ite into the cavities under extremely high pressure. When using a Graphite lubrication bearing, an allowance of .001" to .002" additional clearance is suggested. This extra clearance can be obtained by ordering the bearing with a larger ID or by reaming. These bearings should be lubricated prior to assembly.

OIL AND GREASE GROOVES



SINGLE LOOP

Johnson A Boston Gear III
Bunting 1 Buckeye A
Randall A

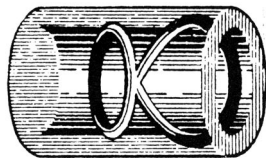
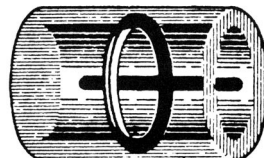


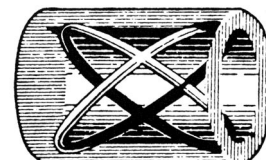
FIGURE EIGHT

Johnson B Boston Gear IV
Bunting 4 Buckeye D
Randall B



ONE STRAIGHT AND ONE CIRCULAR

Johnson C Boston Gear V
Bunting 3 Buckeye C



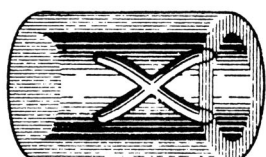
DOUBLE LOOP

Johnson D Boston Gear VI
Bunting 2 Buckeye B
Randall D



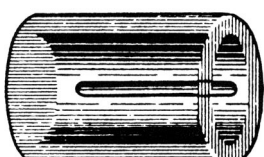
DOUBLE FIGURE EIGHT

Johnson E Boston Gear VII
Bunting 5 Buckeye E
Randall E



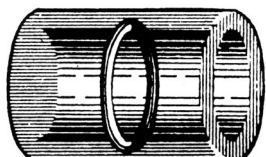
R.H. AND L.H. SPIRAL

Johnson F Boston Gear VIII
Bunting 11 Buckeye F
Randall F



STRAIGHT GROOVE

Johnson G
Randall G
Boston Gear I



CIRCULAR GROOVE

Johnson H
Randall H
Boston Gear II

AIDS IN GROOVE SELECTION

Groove selection can be influenced by many things such as operating environment, type of lubricant, supplemental lubrication feed system, load etc. The information furnished below is intended as a guide. Consideration must be given to all factors.

Boundry lubrication is where none of the load is supported by the lubricant. Bearings which are only periodically lubricated will at some time operate under these

conditions. Speeds which are 10 s.f.m. or less will cause boundry lubrication.

Suggested grooving:

Double loop - Double figure 8

Mixed film lubrication Load is partially supported by lubrication. Speeds from 10 to 25 s.f.m. will induce this condition. Most cast bronze bearing applications are in this category.

Suggested grooving:

Straight. - Good for long bearings. It should be located in the unloaded area of the bearing. Circular - is used

when the direction of load varies and a pressure fed lubricant system is present. Straight circular - is applied in cases where the direction of the load varies and the lubricant is not pressure fed.

Full film lubrication The load is separated from the bearing by a film of lubricant. A minimum speed of 25 s.f.m. will generally be needed.

Suggested grooving:

The same types of grooving used in mixed film will work in the full film application.

CAST BRONZE BEARINGS

ID	OD	LENGTH	ITEM NO.	PART NO.
3/16	5/16	1/2	104004	CB-0305-04
		3/4	104005	CB-0305-06
		1	104006	CB-0305-08
1/4	3/8	1/4	104007	CB-0406-02
		3/8	104008	CB-0406-03
		1/2	104009	CB-0406-04
		3/4	104010	CB-0406-06
		1	104011	CB-0406-08
		1-1/4	104012	CB-0406-10
1/4	7/16	3/4	104013	CB-0407-06
		1	104014	CB-0407-08
		1-1/4	104015	CB-0407-10
5/16	7/16	3/8	104016	CB-0507-03
		1/2	104017	CB-0507-04
		3/4	104018	CB-0507-06
		1	104019	CB-0507-08
		1-1/4	104020	CB-0507-10
5/16	1/2	3/4	104021	CB-0508-06
		1	104022	CB-0508-08
		1-1/4	104023	CB-0508-10
3/8	1/2	3/8	104024	CB-0608-03
		1/2	104025	CB-0608-04
		3/4	104026	CB-0608-06
		1	104027	CB-0608-08
		1-1/4	104028	CB-0608-10
		1-1/2	104029	CB-0608-12
3/8	9/16	3/4	104030	CB-0609-06
		1	104031	CB-0609-08
		1-1/4	104032	CB-0609-10
3/8	5/8	3/4	104034	CB-0610-06
		1	104035	CB-0610-08
		1-1/4	104036	CB-0610-10
		1-1/2	104037	CB-0610-12
7/16	9/16	1	104038	CB-0709-08
		1-1/4	104039	CB-0709-10
		1-1/2	104040	CB-0709-12
		1-3/4	104042	CB-0709-14
		2	104043	CB-0709-16
7/16	5/8	1	104044	CB-0710-08
		1-1/4	104045	CB-0710-10
		1-1/2	104046	CB-0710-12
		2	104047	CB-0710-16
7/16	11/16	1-1/2	104048	CB-0711-12
7/16	3/4	1	104049	CB-0712-08
		1-1/4	104050	CB-0712-10
		1-1/2	104051	CB-0712-12
		1-1/2	104051	CB-0712-12
7/16	13/16	1-1/2	104052	CB-0713-12
1/2	5/8	1/2	104053	CB-0810-04
		5/8	104054	CB-0810-05
		3/4	104055	CB-0810-06
		7/8	104056	CB-0810-07
1/2	5/8	1	104057	CB-0810-08
		1-1/4	104058	CB-0810-10

ID	OD	LENGTH	ITEM NO.	PART NO.
1/2	5/8	1-3/8	104059	CB-0810-11
		1-1/2	104060	CB-0810-12
		1-3/4	104061	CB-0810-14
		2	104062	CB-0810-16
		2-1/4	104063	CB-0810-18
		2-1/4	104063	CB-0810-18
1/2	11/16	3/4	104064	CB-0811-06
		1	104065	CB-0811-08
		1-1/4	104066	CB-0811-10
		1-1/2	104067	CB-0811-12
		1-3/4	104068	CB-0811-14
		2	104069	CB-0811-16
		2-1/4	104070	CB-0811-18
		2-1/2	104071	CB-0811-20
1/2	3/4	3/4	104073	CB-0812-06
		1	104074	CB-0812-08
		1-1/4	104075	CB-0812-10
		1-1/2	104076	CB-0812-12
		1-3/4	104078	CB-0812-14
		2	104079	CB-0812-16
		2-1/4	104080	CB-0812-18
		2-1/2	104081	CB-0812-20
1/2	13/16	3/4	104082	CB-0812-22
		1	104083	CB-0813-08
		1-1/2	104084	CB-0813-12
		2-1/4	104085	CB-0813-18
1/2	7/8	1	104086	CB-0814-08
		1-1/4	104087	CB-0814-10
		1-1/2	104088	CB-0814-12
		1-3/4	104089	CB-0814-14
		2	104090	CB-0814-16
		2	104090	CB-0814-16
1/2	1	1	104091	CB-0816-08
		1-1/2	104092	CB-0816-12
		2	104093	CB-0816-16
		2-1/4	104094	CB-0816-18
9/16	11/16	1	104095	CB-0911-08
		1-1/4	104096	CB-0911-10
		1-1/2	104097	CB-0911-12
		1-3/4	104099	CB-0911-14
		2	104100	CB-0911-16
		2-1/4	104101	CB-0911-18
		2-1/2	104102	CB-0911-20
		2-1/2	104102	CB-0911-20
9/16	3/4	1	104103	CB-0912-08
		1-1/4	104104	CB-0912-10
		1-1/2	104105	CB-0912-12
		1-3/4	104107	CB-0912-14
		2	104108	CB-0912-16
		2-1/4	104110	CB-0912-18
9/16	13/16	1	104112	CB-0913-08
		1-1/4	104113	CB-0913-10
		1-1/2	104114	CB-0913-12
		1-3/4	104115	CB-0913-14
9/16	13/16	1	104116	CB-0913-16
		2	104116	CB-0913-16
		2-1/2	104118	CB-0913-20

ID	OD	LENGTH	ITEM NO.	PART NO.
9/16	7/8	1	104119	CB-0914-08
		1-1/2	104120	CB-0914-12
		2	104121	CB-0914-16
5/8	3/4	1/2	104124	CB-1012-04
		3/4	104125	CB-1012-06
		1	104126	CB-1012-08
		1-1/8	104127	CB-1012-09
		1-1/4	104128	CB-1012-10
		1-1/2	104130	CB-1012-12
		1-3/4	104131	CB-1012-14
		2	104133	CB-1012-16
		2-1/4	104134	CB-1012-18
		2-1/2	104135	CB-1012-20
		3	104136	CB-1012-24
		3	104136	CB-1012-24
5/8	13/16	1	104137	CB-1013-08
		1-1/4	104138	CB-1013-10
		1-1/2	104140	CB-1013-12
		1-3/4	104141	CB-1013-14
		2	104143	CB-1013-16
		2-1/4	104144	CB-1013-18
		2-1/2	104145	CB-1013-20
		2-1/2	104145	CB-1013-20
5/8	7/8	1/2	104148	CB-1014-04
		3/4	104149	CB-1014-06
		1	104150	CB-1014-08
		1-1/8	104151	CB-1014-09
		1-1/4	104153	CB-1014-10
		1-1/2	104155	CB-1014-12
		1-3/4	104156	CB-1014-14
		2	104159	CB-1014-16
		2-1/4	104160	CB-1014-18
		2-1/2	104162	CB-1014-20
5/8	15/16	3	104163	CB-1014-24
		1	104165	CB-1015-08
		1-1/2	104166	CB-1015-12
		2	104167	CB-1015-16
5/8	1	2-1/2	104168	CB-1015-20
		1	104169	CB-1016-08
		1-1/2	104170	CB-1016-12
		2	104171	CB-1016-16
		2-1/4	104172	CB-1016-18
		2-1/2	104173	CB-1016-20
		3	104174	CB-1016-24
		3	104174	CB-1016-24
5/8	1-1/8	1-1/2	104175	CB-1018-12
		2	104176	CB-1018-16
		2-1/4	104177	CB-1018-18
		3	104178	CB-1018-24
11/16	13/16	1	104179	CB-1113-08
		1-1/4	104180	CB-1113-10
		1-1/2	104181	CB-1113-12
		1-3/4	104182	CB-1113-14
		2	104183	CB-1113-16
		2-1/2	104185	CB-1113-20

CAST BRONZE BEARINGS

ID	OD	LENGTH	ITEM NO.	PART NO.
11/16	7/8	1	104186	CB-1114-08
		1-1/4	104187	CB-1114-10
		1-1/2	104188	CB-1114-12
		1-3/4	104189	CB-1114-14
		2	104190	CB-1114-16
		2-1/4	104191	CB-1114-18
11/16	15/16	2-1/2	104192	CB-1114-20
		1	104193	CB-1115-08
		1-1/4	104194	CB-1115-10
		1-1/2	104195	CB-1115-12
		1-3/4	104196	CB-1115-14
11/16	1	2	104197	CB-1115-16
		2-1/2	104199	CB-1115-20
		1-1/4	104201	CB-1116-10
3/4	7/8	2-1/4	104204	CB-1116-18
		2-1/2	104205	CB-1116-20
		3/4	104207	CB-1214-06
3/4	7/8	1	104208	CB-1214-08
		1-1/4	104209	CB-1214-10
		1-1/2	104210	CB-1214-12
		1-3/4	104211	CB-1214-14
		2	104212	CB-1214-16
		2-1/4	104213	CB-1214-18
		2-1/2	104214	CB-1214-20
		1	104215	CB-1215-08
		1-1/4	104217	CB-1215-10
		1-3/8	104218	CB-1215-11
3/4	15/16	1-1/2	104219	CB-1215-12
		1-3/4	104220	CB-1215-14
		2	104221	CB-1215-16
		2-1/4	104222	CB-1215-18
		2-1/2	104223	CB-1215-20
		2-3/4	104224	CB-1215-22
		3	104225	CB-1215-24
		1/2	104226	CB-1216-04
		3/4	104227	CB-1216-06
		7/8	104228	CB-1216-07
3/4	1	1	104229	CB-1216-08
		1-1/8	104230	CB-1216-09
		1-1/4	104231	CB-1216-10
		1-3/8	104232	CB-1216-11
		1-1/2	104233	CB-1216-12
		1-3/4	104234	CB-1216-14
		1-7/8	104235	CB-1216-15
		2	104237	CB-1216-16
		2-1/8	104238	CB-1216-17
		2-1/4	104239	CB-1216-18
		2-1/2	104241	CB-1216-20
		2-3/4	104242	CB-1216-22
		3	104243	CB-1216-24
		3-1/2	104244	CB-1216-28
		1	104245	CB-1217-08
		1-1/2	104246	CB-1217-12
		2	104247	CB-1217-16

ID	OD	LENGTH	ITEM NO.	PART NO.
3/4	1-1/16	2-1/4	104248	CB-1217-18
		2-1/2	104249	CB-1217-20
		3	104250	CB-1217-24
3/4	1-1/8	1	104251	CB-1218-08
		1-1/2	104252	CB-1218-12
		2	104253	CB-1218-16
		2-1/4	104254	CB-1218-18
		2-1/2	104255	CB-1218-20
3/4	1-3/16	3	104256	CB-1218-24
		1-1/2	104258	CB-1219-12
3/4	1-1/4	2	104259	CB-1219-16
		1-3/4	104263	CB-1220-14
3/4	1-1/4	2	104264	CB-1220-16
		2-1/4	104265	CB-1220-18
		2-1/2	104266	CB-1220-20
		3	104267	CB-1220-24
13/16	15/16	1	104268	CB-1315-08
		1-1/2	104271	CB-1315-12
13/16	1	2	104272	CB-1315-16
		1-1/2	104274	CB-1316-12
13/16	1	1-3/4	104275	CB-1316-14
		2	104276	CB-1316-16
		2-1/2	104277	CB-1316-20
13/16	1-1/16	1-1/2	104279	CB-1317-12
		2	104280	CB-1317-16
		2-1/2	104281	CB-1317-20
		2-3/4	104282	CB-1317-22
13/16	1-1/8	3	104283	CB-1317-24
		1-1/2	104284	CB-1318-12
13/16	1-3/16	2	104285	CB-1318-16
		2-1/2	104287	CB-1319-20
7/8	1	3	104288	CB-1319-24
		1	104296	CB-1416-08
7/8	1	1-1/4	104297	CB-1416-10
		1-3/8	104298	CB-1416-11
		1-1/2	104299	CB-1416-12
		1-5/8	104300	CB-1416-13
		2	104301	CB-1416-16
7/8	1-1/16	1	104303	CB-1417-08
		1-1/4	104304	CB-1417-10
		1-1/2	104306	CB-1417-12
		1-3/4	104307	CB-1417-14
		2	104308	CB-1417-16
		2-1/4	104309	CB-1417-18
		2-1/2	104310	CB-1417-20
		3	104312	CB-1417-24
		3/4	104313	CB-1418-06
		1	104314	CB-1418-08
7/8	1-1/8	1-1/4	104315	CB-1418-10
		1-3/8	104316	CB-1418-11
		1-1/2	104317	CB-1418-12
		1-3/4	104318	CB-1418-14
		2	104320	CB-1418-16

ID	OD	LENGTH	ITEM NO.	PART NO.
7/8	1-1/8	2-1/4	104322	CB-1418-18
		2-1/2	104323	CB-1418-20
		3	104324	CB-1418-24
		3-1/4	104325	CB-1418-26
		3-1/2	104326	CB-1418-28
7/8	1-3/16	1	104327	CB-1419-08
		1-1/4	104328	CB-1419-10
		1-1/2	104329	CB-1419-12
		2	104330	CB-1419-16
		2-1/2	104331	CB-1419-20
7/8	1-1/4	3	104333	CB-1419-24
		1-1/2	104334	CB-1420-12
		1-3/4	104335	CB-1420-14
		2	104336	CB-1420-16
		2-1/4	104337	CB-1420-18
7/8	1-1/4	2-1/2	104338	CB-1420-20
		3	104339	CB-1420-24
		3-1/2	104340	CB-1420-28
		4	104341	CB-1420-32
7/8	1-3/8	1-1/2	104344	CB-1422-12
		1-3/4	104345	CB-1422-14
		2	104346	CB-1422-16
		2-1/2	104347	CB-1422-20
		3	104348	CB-1422-24
15/16	1-1/8	1-1/2	104351	CB-1518-12
		2	104352	CB-1518-16
		2-1/2	104354	CB-1518-20
15/16	1-3/16	1-1/4	104355	CB-1519-10
		1-1/2	104357	CB-1519-12
		2	104358	CB-1519-16
		2-1/4	104359	CB-1519-18
		3	104361	CB-1519-24
15/16	1-1/4	1	104362	CB-1520-08
		1-1/2	104363	CB-1520-12
		2	104364	CB-1520-16
		2-1/2	104366	CB-1520-20
		2-3/4	104367	CB-1520-22
15/16	1-5/16	1-1/2	104368	CB-1521-12
		2	104370	CB-1521-16
		3	104372	CB-1521-24
1	1-1/8	1	104373	CB-1618-08
		1-3/8	104374	CB-1618-11
		1-1/2	104375	CB-1618-12
		1-3/4	104376	CB-1618-14
		2	104377	CB-1618-16
		2-1/2	104378	CB-1618-20
		1-3/16	104379	CB-1619-07
		1	105031	CB-1619-08
1	1-3/16	1-1/4	104380	CB-1619-10
		1-1/2	104381	CB-1619-12
		1-3/4	104383	CB-1619-14
		2	104384	CB-1619-16
		2-1/2	104386	CB-1619-20

CAST BRONZE BEARINGS

ID	OD	LENGTH	ITEM NO.	PART NO.
1	1-1/4	3/4	104387	CB-1620-06
		1	104388	CB-1620-08
		1-1/8	104389	CB-1620-09
		1-1/4	104390	CB-1620-10
		1-3/8	104391	CB-1620-11
		1-1/2	104392	CB-1620-12
		1-5/8	104393	CB-1620-13
		1-3/4	104394	CB-1620-14
		1-7/8	105032	CB-1620-15
		2	104395	CB-1620-16
		2-1/4	104397	CB-1620-18
		2-1/2	104398	CB-1620-20
		2-3/4	104399	CB-1620-22
		3	104400	CB-1620-24
		3-1/2	104401	CB-1620-28
		3-3/4	104402	CB-1620-30
		4	104403	CB-1620-32
		4-1/2	104404	CB-1620-36
1	1-5/16	1-1/2	104405	CB-1621-12
		2	104406	CB-1621-16
		2-1/4	104407	CB-1621-18
		2-1/2	104408	CB-1621-20
		3	104409	CB-1621-24
		3-1/2	104410	CB-1621-28
		3-3/4	104411	CB-1621-30
1	1-3/8	1	104412	CB-1622-08
		1-1/4	104413	CB-1622-10
		1-1/2	104414	CB-1622-12
		1-3/4	104415	CB-1622-14
		2	104416	CB-1622-16
		2-1/2	104417	CB-1622-20
		2-3/4	104418	CB-1622-22
		3	104419	CB-1622-24
		3-1/4	104420	CB-1622-26
		3-1/2	104421	CB-1622-28
		4	104422	CB-1622-32
		4-1/2	104423	CB-1622-36
1	1-1/2	1-1/2	104424	CB-1624-12
		1-3/4	104425	CB-1624-14
		2	104426	CB-1624-16
		2-1/2	104427	CB-1624-20
		3	104428	CB-1624-24
		4	104429	CB-1624-32
1	1-5/8	2	104431	CB-1626-16
		2-1/2	104432	CB-1626-20
		3	104433	CB-1626-24
		3-1/2	104434	CB-1626-28
1	1-3/4	6-1/2	104436	CB-1628-52
1	2	3	104437	CB-1632-24
		6-1/2	104440	CB-1632-52
1-1/16	1-5/16	1-1/2	104442	CB-1721-12
		2	104443	CB-1721-16
		2-1/2	104444	CB-1721-20
		3	104445	CB-1721-24
		3-1/2	104446	CB-1721-28

ID	OD	LENGTH	ITEM NO.	PART NO.
1-1/16	1-3/8	1	104447	CB-1722-08
		2	104448	CB-1722-16
		2-1/2	104449	CB-1722-20
1-1/16	1-7/16	2-1/2	104450	CB-1723-20
		3	104451	CB-1723-24
		4	104453	CB-1723-32
1-1/8	1-1/4	1-1/2	104457	CB-1820-12
		1-3/4	104459	CB-1820-14
		2	104460	CB-1820-16
1-1/8	1-5/16	2-1/4	104462	CB-1821-18
		2-1/2	104463	CB-1821-20
1-1/8	1-3/8	1	104464	CB-1822-08
		1-1/4	104465	CB-1822-10
		1-1/2	104466	CB-1822-12
		1-3/4	104467	CB-1822-14
		2	104468	CB-1822-16
		2-1/4	104470	CB-1822-18
		2-1/2	104471	CB-1822-20
		3	104472	CB-1822-24
		3-1/4	104473	CB-1822-26
		3-1/2	104474	CB-1822-28
		4	104475	CB-1822-32
1-1/8	1-7/16	1-1/2	104478	CB-1823-12
		2-1/2	104479	CB-1823-20
		3	104480	CB-1823-24
		3-1/2	104481	CB-1823-28
1-1/8	1-1/2	1-1/2	104482	CB-1824-12
		2	104483	CB-1824-16
		2-1/2	104484	CB-1824-20
		3	104485	CB-1824-24
		3-1/2	104486	CB-1824-28
		4	104487	CB-1824-32
1-1/8	1-5/8	1-3/4	104489	CB-1826-14
		2	104490	CB-1826-16
		2-1/2	104491	CB-1826-20
		3	104492	CB-1826-24
		3-1/2	104493	CB-1826-28
		4	104494	CB-1826-32
		4-1/2	104495	CB-1826-36
1-1/8	1-7/8	6-1/2	104496	CB-1830-52
1-1/8	2	3	104497	CB-1832-24
		5-1/2	104498	CB-1832-44
1-3/16	1-3/8	1-3/4	104499	CB-1922-14
		2	104500	CB-1922-16
		2-1/2	104501	CB-1922-20
1-3/16	1-7/16	1-1/4	104502	CB-1923-10
		1-1/2	104503	CB-1923-12
		2	104504	CB-1923-16
1-3/16	1-7/16	2-1/2	104505	CB-1923-20
		3	104507	CB-1923-24
		3-1/2	104508	CB-1923-28
1-3/16	1-1/2	2	104509	CB-1924-16
		3	104510	CB-1924-24
		4	104511	CB-1924-32

ID	OD	LENGTH	ITEM NO.	PART NO.
1-3/16	1-9/16	1-1/2	104512	CB-1925-12
		2-1/2	104513	CB-1925-20
		3	104514	CB-1925-24
		3-1/2	104515	CB-1925-28
1-3/16	1-5/8	2	104516	CB-1926-16
		2-1/2	104517	CB-1926-20
		3	104518	CB-1926-24
1-3/16	1-11/16	2	104519	CB-1927-16
		2-1/2	104520	CB-1927-20
		3	104521	CB-1927-24
		3-1/2	104522	CB-1927-28
1-1/4	1-7/16	2	105033	CB-2023-16
		2-1/2	104526	CB-2023-20
		3	104527	CB-2023-24
1-1/4	1-1/2	1	104528	CB-2024-08
		1-1/8	104529	CB-2024-09
		1-1/4	104530	CB-2024-10
		1-3/8	104531	CB-2024-11
		1-1/2	104532	CB-2024-12
		1-5/8	104533	CB-2024-13
		1-3/4	104534	CB-2024-14
		2	104536	CB-2024-16
		2-1/4	104538	CB-2024-18
		2-1/2	104539	CB-2024-20
		2-3/4	104540	CB-2024-22
		3	104541	CB-2024-24
		3-1/4	104542	CB-2024-26
		3-1/2	104543	CB-2024-28
		4	104545	CB-2024-32
		4-1/4	104546	CB-2024-34
		4-1/2	104547	CB-2024-36
		5	104548	CB-2024-40
		5-1/2	104549	CB-2024-44
1-1/4	1-9/16	2	104550	CB-2025-16
		2-1/2	104552	CB-2025-20
		3	104554	CB-2025-24
		3-1/2	104555	CB-2025-28
		3-3/4	104556	CB-2025-30
1-1/4	1-5/8	1-3/4	104557	CB-2026-14
		2	104559	CB-2026-16
		2-1/2	104560	CB-2026-20
		3	104561	CB-2026-24
		3-1/4	104562	CB-2026-26
		3-1/2	104563	CB-2026-28
		4	104564	CB-2026-32
		4-1/2	104566	CB-2026-36
		4-3/4	104567	CB-2026-38
1-1/4	1-11/16	2	104568	CB-2027-16
		2-1/2	104569	CB-2027-20
		3-1/4	104570	CB-2027-26
		3-1/2	104571	CB-2027-28
1-1/4	1-3/4	1-1/4	105034	CB-2028-10
		1-3/4	104572	CB-2028-14
		2	104573	CB-2028-16

CAST BRONZE BEARINGS

ID	OD	LENGTH	ITEM NO.	PART NO.
1-1/4	1-3/4	2-1/4	104574	CB-2028-18
		2-1/2	104575	CB-2028-20
		2-3/4	104576	CB-2028-22
		3	104577	CB-2028-24
		3-1/2	104578	CB-2028-28
		3-3/4	104579	CB-2028-30
		4	104580	CB-2028-32
		5	104582	CB-2028-40
1-1/4	1-7/8	2	104583	CB-2030-16
		2-1/2	104584	CB-2030-20
		3	104585	CB-2030-24
		4	104586	CB-2030-32
1-1/4	2	3	104587	CB-2032-24
		4	104588	CB-2032-32
		6-1/2	104589	CB-2032-52
1-5/16	1-1/2	1-3/4	104594	CB-2124-14
		3	104595	CB-2124-24
1-5/16	1-9/16	3	104596	CB-2125-24
		3-1/2	104597	CB-2125-28
		4	104598	CB-2125-32
1-5/16	1-5/8	2	104599	CB-2126-16
		2-1/2	104600	CB-2126-20
		3	104601	CB-2126-24
		4	104602	CB-2126-32
		4-3/4	104603	CB-2126-38
1-5/16	1-11/16	2-1/2	104604	CB-2127-20
		3	104605	CB-2127-24
		4	104607	CB-2127-32
1-5/16	1-13/16	3	104608	CB-2129-24
		4	104610	CB-2129-32
1-5/16	1-7/8	3-1/2	104611	CB-2130-28
		4-1/2	104612	CB-2130-36
1-3/8	1-1/2	1-3/4	104613	CB-2224-14
		2	104615	CB-2224-16
		2-1/2	104616	CB-2224-20
1-3/8	1-5/8	1-1/4	104617	CB-2226-10
		1-1/2	105035	CB-2226-12
		2	104618	CB-2226-16
		3	104619	CB-2226-24
		3-1/4	104620	CB-2226-26
		3-1/2	104621	CB-2226-28
		4	104622	CB-2226-32
		4-1/2	104623	CB-2226-36
1-3/8	1-11/16	3-1/2	104624	CB-2227-28
1-3/8	1-3/4	2	104625	CB-2228-16
		2-1/4	104626	CB-2228-18
		2-1/2	104627	CB-2228-20
		3	104628	CB-2228-24
		3-1/2	104630	CB-2228-28
		4	104631	CB-2228-32
1-3/8	1-7/8	3	104632	CB-2230-24
		3-1/2	104633	CB-2230-28
		4	104634	CB-2230-32
		4-1/2	104635	CB-2230-36

ID	OD	LENGTH	ITEM NO.	PART NO.
1-3/8	2	3	104636	CB-2232-24
		4	104637	CB-2232-32
1-3/8	2-1/8	6-1/2	104638	CB-2234-52
1-7/16	1-5/8	1-3/4	104639	CB-2326-14
		2-3/4	104640	CB-2326-22
		3	104641	CB-2326-24
1-7/16	1-11/16	2-1/2	104642	CB-2327-20
		3	104643	CB-2327-24
		3-1/2	104644	CB-2327-28
		4	104645	CB-2327-32
		4-1/4	104646	CB-2327-34
1-7/16	1-3/4	2-1/4	104648	CB-2328-18
		3	104649	CB-2328-24
		4	104650	CB-2328-32
1-7/16	1-13/16	3	104651	CB-2329-24
		3-1/4	104652	CB-2329-26
		3-1/2	104653	CB-2329-28
		4	104654	CB-2329-32
		4-1/4	104655	CB-2329-34
		5	104656	CB-2329-40
1-7/16	1-7/8	3	104657	CB-2330-24
		4	104658	CB-2330-32
		4-1/2	104660	CB-2330-36
		5	104661	CB-2330-40
1-7/16	1-15/16	2	104662	CB-2331-16
		3	104663	CB-2331-24
		3-1/2	104664	CB-2331-28
		4	104665	CB-2331-32
		4-1/2	104667	CB-2331-36
		5	104668	CB-2331-40
		5-1/2	104669	CB-2331-44
1-7/16	2	4	104672	CB-2332-32
1-1/2	1-5/8	2	104678	CB-2426-16
1-1/2	1-11/16	2-3/4	104679	CB-2427-22
1-1/2	1-3/4	1	104680	CB-2428-08
		1-1/4	104681	CB-2428-10
		1-1/2	104682	CB-2428-12
		1-3/4	104683	CB-2428-14
		2	104684	CB-2428-16
		2-1/4	104686	CB-2428-18
		2-1/2	104687	CB-2428-20
		3	104688	CB-2428-24
		3-1/2	104689	CB-2428-28
		4	104690	CB-2428-32
		4-1/2	104691	CB-2428-36
		5	104692	CB-2428-40
		5-1/2	104693	CB-2428-44
1-1/2	1-13/16	3	104694	CB-2429-24
1-1/2	1-7/8	1-1/2	104695	CB-2430-12
		2	104696	CB-2430-16
		2-1/2	104697	CB-2430-20
		2-3/4	104698	CB-2430-22
		3	104699	CB-2430-24

ID	OD	LENGTH	ITEM NO.	PART NO.
1-1/2	1-7/8	3-1/2	104700	CB-2430-28
		4	104701	CB-2430-32
		4-1/2	104704	CB-2430-36
		5	104705	CB-2430-40
		5-1/2	104706	CB-2430-44
1-1/2	2	2	105036	CB-2432-16
		2-1/2	104707	CB-2432-20
		3	104708	CB-2432-24
		3-1/2	104709	CB-2432-28
		4	104710	CB-2432-32
		4-1/2	104711	CB-2432-36
		5	104712	CB-2432-40
1-1/2	2-1/8	3	104713	CB-2434-24
		4	104714	CB-2434-32
1-1/2	2-1/4	3	104716	CB-2436-24
		4	104717	CB-2436-32
		5	104718	CB-2436-40
		6-1/2	104719	CB-2436-52
1-9/16	1-13/16	3	104723	CB-2529-24
		3-1/2	104724	CB-2529-28
		4	104725	CB-2529-32
1-9/16	1-15/16	3-1/2	104726	CB-2531-28
		4-1/2	104727	CB-2531-36
1-5/8	1-7/8	2-1/4	104728	CB-2630-18
		3	104730	CB-2630-24
		3-3/4	104731	CB-2630-30
1-5/8	2	1-3/4	104736	CB-2632-14
		2-1/2	104737	CB-2632-20
		3	104738	CB-2632-24
		3-1/2	104739	CB-2632-28
		4	104740	CB-2632-32
		4-1/2	104741	CB-2632-36
		5	104742	CB-2632-40
		5-1/2	104743	CB-2632-44
1-5/8	2-1/8	3	104744	CB-2634-24
		4	104745	CB-2634-32
		4-1/2	104746	CB-2634-36
		5	104747	CB-2634-40
1-11/16	1-15/16	3	104748	CB-2731-24
		3-1/2	104749	CB-2731-28
1-11/16	2	3-1/2	104750	CB-2732-28
		4-1/2	104751	CB-2732-36
1-11/16	2-1/16	3	104752	CB-2733-24
		3-1/2	104753	CB-2733-28
		4	104754	CB-2733-32
		4-1/2	104755	CB-2733-36
		5	104756	CB-2733-40
		5-1/2	104757	CB-2733-44
1-11/16	2-3/16	2	104758	CB-2735-16
		2-1/2	104759	CB-2735-20
		3	104760	CB-2735-24
		3-1/2	104761	CB-2735-28
		4	104762	CB-2735-32

CAST BRONZE BEARINGS

ID	OD	LENGTH	ITEM NO.	PART NO.
1-11/16	2-3/16	4-1/2	104763	CB-2735-36
		5-1/2	104766	CB-2735-44
1-11/16	2-1/4	3	104767	CB-2736-24
		4-1/2	104768	CB-2736-36
1-3/4	2	1-1/2	104772	CB-2832-12
		2	104773	CB-2832-16
		2-1/4	104774	CB-2832-18
		2-1/2	104775	CB-2832-20
		3	104776	CB-2832-24
		4	104777	CB-2832-32
		4-1/2	104778	CB-2832-36
		5-1/4	104779	CB-2832-42
1-3/4	2-1/16	3-1/2	104780	CB-2833-28
1-3/4	2-1/8	2-1/2	105037	CB-2834-20
		2-3/4	104781	CB-2834-22
		3-1/4	104782	CB-2834-26
		3-1/2	104783	CB-2834-28
		4	104784	CB-2834-32
		4-1/4	104785	CB-2834-34
		5	104786	CB-2834-40
		5-1/2	104787	CB-2834-44
1-3/4	2-1/4	1-3/4	104788	CB-2836-14
		2	104789	CB-2836-16
		2-1/2	104790	CB-2836-20
		3	104791	CB-2836-24
		3-1/2	104792	CB-2836-28
		4	104793	CB-2836-32
		4-1/4	104794	CB-2836-34
		5	104796	CB-2836-40
1-3/4	2-3/8	3-1/2	104797	CB-2838-28
		4-1/2	104798	CB-2838-36
		5	104799	CB-2838-40
1-3/4	2-1/2	6-1/2	104801	CB-2840-52
1-13/16	2-3/16	4	104802	CB-2935-32
		5-1/4	104803	CB-2935-42
1-13/16	2-5/16	4	104804	CB-2937-32
		5	104805	CB-2937-40
1-7/8	2-1/8	2-1/2	104806	CB-3034-20
		3	104807	CB-3034-24
		4	104808	CB-3034-32
1-7/8	2-1/4	3	104809	CB-3036-24
		3-1/4	104810	CB-3036-26
		4	104812	CB-3036-32
		5	104815	CB-3036-40
1-7/8	2-3/8	3	104816	CB-3038-24
		4	104817	CB-3038-32
		5-1/4	104818	CB-3038-42
1-15/16	2-3/16	2	104820	CB-3135-16
		3	104821	CB-3135-24
		4	104822	CB-3135-32
1-15/16	2-1/4	3	104823	CB-3136-24
		4-1/2	104824	CB-3136-36

ID	OD	LENGTH	ITEM NO.	PART NO.
1-15/16	2-5/16	3-1/2	104825	CB-3137-28
		4	104826	CB-3137-32
		5	104827	CB-3137-40
		5-1/2	104828	CB-3137-44
		6-1/4	104829	CB-3137-50
1-15/16	2-3/8	3	104830	CB-3138-24
		4	104831	CB-3138-32
		5-1/2	104832	CB-3138-44
1-15/16	2-7/16	3	104833	CB-3139-24
		4	104834	CB-3139-32
		5	104835	CB-3139-40
		5-1/2	104836	CB-3139-44
1-15/16	2-1/2	3	104837	CB-3140-24
		5	104838	CB-3140-40
2	2-1/4	2	104839	CB-3236-16
		2-1/2	104840	CB-3236-20
		3	104841	CB-3236-24
		3-1/2	104842	CB-3236-28
		3-3/4	104843	CB-3236-30
		4	104844	CB-3236-32
		4-1/2	104845	CB-3236-36
		5	104846	CB-3236-40
2	2-3/8	2-1/2	104847	CB-3238-20
		3	104848	CB-3238-24
		3-1/2	104849	CB-3238-28
		4	104850	CB-3238-32
		4-1/2	104851	CB-3238-36
2	2-1/2	2	105044	CB-3240-16
		2-1/2	104853	CB-3240-20
		3	104854	CB-3240-24
		3-1/2	104855	CB-3240-28
		4	104856	CB-3240-32
		4-1/2	104857	CB-3240-36
		5	104858	CB-3240-40
2	2-1/2	5-1/2	104859	CB-3240-44
		6	104860	CB-3240-48
2	2-5/8	4	104861	CB-3242-32
2	2-3/4	6	105038	CB-3244-48
		6-1/2	104864	CB-3244-52
2-1/8	2-1/2	3	104865	CB-3440-24
		4	104866	CB-3440-32
2-1/8	2-5/8	4	104867	CB-3442-32
		5	104868	CB-3442-40
		6	104869	CB-3442-48
2-3/16	2-5/8	4	104870	CB-3542-32
		5	104871	CB-3542-40
2-3/16	2-11/16	3-1/2	104872	CB-3543-28
		4	104873	CB-3543-32
		4-1/2	104874	CB-3543-36
		5	104875	CB-3543-40
2-3/16	2-3/4	4-1/2	104876	CB-3544-36
		5-1/4	104877	CB-3544-42
		6	104878	CB-3544-48

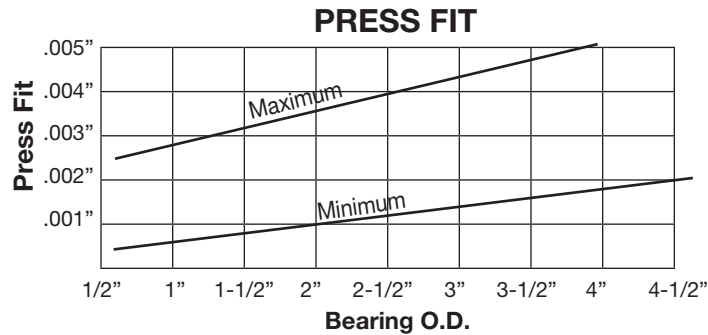
ID	OD	LENGTH	ITEM NO.	PART NO.
2-3/16	2-7/8	4-1/2	104879	CB-3546-36
2-1/4	2-1/2	3	105039	CB-3640-24
		3-1/2	104880	CB-3640-28
		4	104881	CB-3640-32
2-1/4	2-5/8	3	104882	CB-3642-24
		4	104883	CB-3642-32
		5	104884	CB-3642-40
2-1/4	2-11/16	4-3/4	104886	CB-3643-38
2-1/4	2-3/4	3	105040	CB-3644-24
		3-1/2	104887	CB-3644-28
		4	104888	CB-3644-32
		4-1/2	104889	CB-3644-36
		5	104890	CB-3644-40
		6	104891	CB-3644-48
		6-1/2	104892	CB-3644-52
2-1/4	3	3-1/2	104893	CB-3648-28
		5	104894	CB-3648-40
2-1/4	3-1/8	6-1/2	104895	CB-3650-52
2-3/8	2-3/4	4	104896	CB-3844-32
		5	104897	CB-3844-40
		6	104898	CB-3844-48
2-3/8	2-7/8	4	104899	CB-3846-32
		5	104900	CB-3846-40
		6	104901	CB-3846-48
2-7/16	2-3/4	4	104902	CB-3944-32
		5	104903	CB-3944-40
2-7/16	2-7/8	3	104905	CB-3946-24
		5	104906	CB-3946-40
2-7/16	2-15/16	4	104907	CB-3947-32
		5	104908	CB-3947-40
		6-1/4	104909	CB-3947-50
2-7/16	3	3-3/4	104911	CB-3948-30
		5	104912	CB-3948-40
		6-1/4	104913	CB-3948-50
2-1/2	2-3/4	3	104914	CB-4044-24
		4	104915	CB-4044-32
		5	104917	CB-4044-40
2-1/2	2-7/8	3-1/4	104919	CB-4046-26
		4-1/2	104921	CB-4046-36
2-1/2	3	3	104923	CB-4048-24
		3-3/4	104924	CB-4048-30
		4	104925	CB-4048-32
		5	104926	CB-4048-40
		6	104927	CB-4048-48
		7	104928	CB-4048-56
2-1/2	3-1/8	3-1/2	104929	CB-4050-28
		4	104930	CB-4050-32
		4-1/2	104931	CB-4050-36
		6-3/4	104932	CB-4050-54
2-1/2	3-1/4	4	104933	CB-4052-32
		5	104934	CB-4052-40
		6	104935	CB-4052-48
		7-1/4	104936	CB-4052-58
2-1/2	3-1/2	6-1/2	104937	CB-4056-52

CAST BRONZE BEARINGS

ID	OD	LENGTH	ITEM NO.	PART NO.
2-5/8	3	3	104939	CB-4248-24
		4	104941	CB-4248-32
		5	104942	CB-4248-40
2-5/8	3-1/8	5	104943	CB-4250-40
		6	104944	CB-4250-48
		7-1/4	104945	CB-4250-58
2-5/8	3-1/4	7	104946	CB-4252-56
2-5/8	3-3/8	6-1/2	104947	CB-4254-52
2-11/16	3-3/16	4	104948	CB-4351-32
		5	104949	CB-4351-40
		6-1/4	104950	CB-4351-50
2-3/4	3-1/8	4	104951	CB-4450-32
		5	104952	CB-4450-40
		6	104953	CB-4450-48
2-3/4	3-1/4	4	104954	CB-4452-32
		5	104955	CB-4452-40
		6	104956	CB-4452-48
		7	104957	CB-4452-56
2-3/4	3-3/8	4	104958	CB-4454-32
		6-1/2	104959	CB-4454-52
2-3/4	3-1/2	6-1/2	104960	CB-4456-52
2-7/8	3-3/8	4	104961	CB-4654-32
		6	104962	CB-4654-48
		8	104963	CB-4654-64
2-7/8	3-1/2	4-1/2	104964	CB-4656-36
		6-3/4	104965	CB-4658-54
2-15/16	3-7/16	3-1/2	104967	CB-4755-28
		5	104968	CB-4755-40
		6-1/2	104969	CB-4755-52
2-15/16	3-3/4	7	105041	CB-4760-56
3	3-3/8	4-1/2	104973	CB-4854-36
		8	104974	CB-4854-64
3	3-1/2	3	104975	CB-4856-24
		4	104976	CB-4856-32
		4-1/2	104977	CB-4856-36
		5-1/2	105042	CB-4856-44
		6	104978	CB-4856-48
		9	104979	CB-4856-72
3	3-5/8	5	104980	CB-4658-40
		6-1/2	104981	CB-4858-52
		8	104982	CB-4858-64
3	3-3/4	6-1/4	104983	CB-4860-50
3	4	6-1/2	104984	CB-4864-52
3-1/4	3-1/2	4	104985	CB-5256-32
3-1/4	3-3/4	5	104986	CB-5260-40
		6	104987	CB-5260-48
		9	104988	CB-5260-72
3-7/16	3-15/16	4-1/2	104989	CB-5563-36
		6-1/2	104990	CB-5563-52
3-1/2	4	4	104992	CB-5664-32
		5-1/2	104993	CB-5664-44
		6	105043	CB-5664-48
		7	104994	CB-5664-56

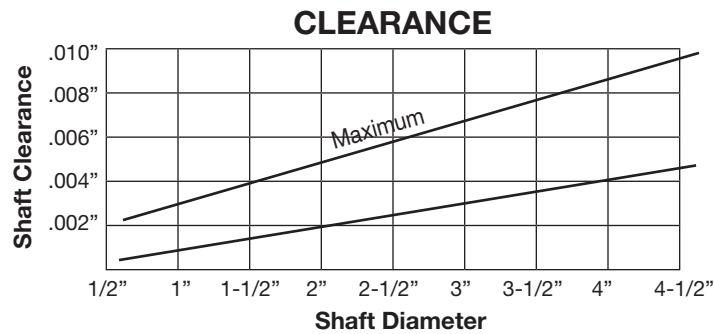
ID	OD	LENGTH	ITEM NO.	PART NO.
3-1/2	4-1/8	6	104995	CB-5666-48
3-1/2	4-1/4	4-1/2	104997	CB-5668-36
		7	104998	CB-5668-56
		9-3/4	104999	CB-5668-78
3-3/4	4-1/4	5	105000	CB-6068-40
		7	105001	CB-6068-56
3-3/4	4-1/2	6-1/2	105002	CB-6072-52
4	4-1/2	4	105003	CB-6472-32
		6	105004	CB-6472-48
		7	105005	CB-6472-56
4	4-3/4	5	105006	CB-6476-40
		6	105007	CB-6476-48
		7	105008	CB-6476-56
4	5	5	105009	CB-6480-40
		6	105010	CB-6480-48
		7	105011	CB-6480-56
4-1/4	4-3/4	5	105012	CB-6876-40
		6	105013	CB-6876-48
		7	105014	CB-6876-56
4-1/4	5	5	105015	CB-6880-40
		6	105016	CB-6880-48
		7	105017	CB-6880-56
4-1/2	5	6	105019	CB-7280-48
		7	105020	CB-7280-56
		8	105021	CB-7280-64
4-1/2	5-1/2	6	105022	CB-7288-48
		7	105023	CB-7288-56
		8	105024	CB-7288-64
5	5-1/2	6	105025	CB-8088-48
		7	105026	CB-8088-56
		8	105027	CB-8088-64
5	6	7	105028	CB-8096-56
		8	105029	CB-8096-64
		9	105030	CB-8096-72

CAST BRONZE BEARINGS



PRESS FIT Less than normal press fit proves satisfactory:

1. if the bearing is long and the wall is not exceptionally thin, and
2. if the bearing is also carrying a moderate load exerted only in one direction.



CLEARANCE Greater than normal clearance must be allowed:

1. if exceptionally high speed is involved,
2. if higher than normal loading is encountered.

CAST BRONZE MATERIAL SPECIFICATIONS

Chemical Composition	Tensile Strength	Yield Strength	Elongation in 2"	Brinell Hardness	Equivalent Specifications
Copper 83% Tin 7% Lead 7% Zinc 3%	44000 P.S.I.	27000 P.S.I.	16%	72	SAE-660 CDA-932 ASTM-B144-52-3B

TOLERANCES

I.D. 3" or less	± .001"
Over 3"	± .0015"
O.D. 3" or less	± .002" to .003"
Over 3"	± .003" to .005"
Length	± .005"
Concentricity	.003" T.I.R.

13" CONTINUOUS CAST BRONZE BARS (SAE 660)

				ITEM				ITEM				ITEM			
ID	OD	NO.	AVG. WGT	ID	OD	NO.	AVG. WGT	ID	OD	NO.	AVG. WGT	ID	OD	NO.	AVG. WGT
SOLID	1/2	106501	1.0	1/2	1	106001	3.0	1-1/8	1-5/8	106058	5.4	1-3/4	2	106118	4.3
	5/8	106502	1.5		1-1/8	106002	3.9		1-3/4	106059	6.9		2-1/4	106120	7.9
	3/4	106503	2.1		1-1/4	106003	4.9		1-7/8	106060	8.5		2-3/8	106121	9.9
	7/8	106504	2.8		1-3/8	106004	6.1		2	106061	10.2		2-1/2	106122	12.0
	1	106505	3.7		1-1/2	106005	7.3		2-1/4	106063	13.9		2-5/8	106123	14.2
	1-1/8	106506	4.6		1-3/4	106006	10.2		2-3/8	106064	15.8		2-3/4	106124	16.6
	1-1/4	106507	5.6		2	106007	13.4		2-1/2	106065	17.9		2-7/8	106125	18.9
	1-3/8	106508	6.8		5/8	1	106008	2.5	2-3/4	106066	22.5	3	106126	21.5	
	1-1/2	106509	8.0			1-1/8	106009	3.5	1-1/4	1-1/2	106068	3.0	3-1/4	106127	26.9
	1-5/8	106510	9.4			1-1/4	106010	4.5		1-5/8	106069	4.4	3-1/2	106128	32.7
	1-3/4	106511	10.8			1-3/8	106011	5.6		1-3/4	106070	5.9	3-3/4	106129	38.9
	1-7/8	106512	12.4			1-1/2	106012	6.9		1-7/8	106071	7.5	4	106130	47.0
	2	106513	14.0			1-3/4	106014	9.7		2	106072	9.2	4-1/4	106131	54.0
	2-1/8	106514	16.0			2	106015	13.6		2-1/8	106073	11.0	1-7/8	2-3/8	106133
	2-1/4	106515	17.8	3/4	1	106017	2.0	2-1/4	106074	12.9	2-1/2	106134		10.5	
	2-3/8	106516	19.8		1-1/8	106018	2.9	2-1/2	106076	17.0	2-5/8	106135		12.7	
	2-1/2	106517	21.9		1-1/4	106019	4.0	2-3/4	106078	21.5	2-3/4	106136		15.1	
	2-5/8	106518	24.1		1-3/8	106020	5.1	3	106080	26.4	3	106138	20.0		
	2-3/4	106519	26.4		1-1/2	106021	6.4	3-1/4	106081	31.8	2	2-1/4	106140	4.8	
	2-7/8	106520	28.8		1-5/8	106022	7.7	3-1/2	106082	37.6		2-1/2	106141	8.9	
	3	106521	31.4		1-3/4	106023	9.2	4	106083	51.8		2-5/8	106142	11.1	
	3-1/4	106522	36.7		2	106025	12.4	1-3/8	1-3/4	106085		4.9	2-3/4	106143	13.4
	3-1/2	106523	42.5		2-1/8	106026	14.2		1-7/8	106086		6.4	2-7/8	106144	15.9
	3-3/4	106524	48.8		2-1/4	106027	16.1		2	106087		8.1	3	106145	18.4
	4	106525	56.4		2-1/2	106028	20.2		2-1/8	106088	9.9	3-1/4	106146	23.8	
	4-1/4	106526	63.5		2-3/4	106029	24.7		2-1/4	106089	11.8	3-1/2	106147	29.6	
	4-1/2	106527	71.1	7/8	1-1/8	106030	2.3		2-3/8	106090	13.8	3-3/4	106148	35.8	
	4-3/4	106528	79.1		1-1/4	106031	3.3	2-1/2	106091	15.9	4	106149	43.9		
	5	106529	88.6		1-3/8	106032	4.5	2-5/8	106092	18.1	4-1/2	106150	58.6		
	5-1/2	106530	107.0		1-1/2	106033	5.7	2-3/4	106093	20.4	5	106151	76.5		
	6	106531	126.9		1-5/8	106034	7.1	3	106094	25.4	5-1/2	106152	95.6		
	6-1/2	106532	148.0		1-3/4	106035	8.5	1-1/2	1-3/4	106095	3.7	6	106153	115.0	
	7	106533	171.9		1-7/8	106036	10.1		2	106097	6.9	2-1/8	2-5/8	106154	9.4
	7-1/2	106534	196.9		2	106037	11.8		2-1/8	106098	8.7		2-3/4	106155	11.7
8	106535	223.6	2-1/4		106039	15.5	2-1/4		106099	10.6	2-7/8		106156	14.2	
9	106537	282.2	1		1-1/4	106040	2.6	2-3/8	106100	12.6	3	106157	16.7		
					1-3/8	106041	3.7	2-1/2	106101	14.7	3-1/4	106158	22.1		
					1-1/2	106042	5.0	2-5/8	106102	16.9	3-1/2	106159	27.9		
				1-5/8	106043	6.3	2-3/4	105103	19.2	3-3/4	106160	34.0			
				1-3/4	106044	7.8	3	106104	24.2	2-1/4	2-3/4	106161	9.9		
				1-7/8	106045	9.0	3-1/4	106105	29.6		2-7/8	106162	12.3		
				2	106046	11.0	3-1/2	106106	35.4		3	106163	14.9		
				2-1/8	106047	12.8	3-3/4	106107	41.6		3-1/8	106164	17.5		
				2-1/4	106048	14.7	4	106108	49.6		3-1/4	106165	20.2		
				2-3/8	106049	16.7	4-1/2	106109	64.3	3-1/2	106166	26.0			
				2-1/2	106050	18.8	1-5/8	2	106110	5.6	3-3/4	106167	32.3		
				2-3/4	106051	23.3		2-1/8	106111	7.4	4	106168	40.5		
			3	106052	28.3	2-1/4		106112	9.3	4-1/4	106169	47.6			
			3-1/4	106053	33.7	2-3/8		106113	11.3	2-3/8	2-7/8	106170	10.4		
			3-1/2	106054	39.5	2-5/8		106115	15.6		3	106171	12.9		
			4	106055	53.3	2-3/4		106116	18.0		3-1/4	106172	18.3		
						3		106117	22.9		3-1/2	106173	24.1		
											3-3/4	106174	30.3		
										4	106175	38.6			

13" CONTINUOUS CAST BRONZE BARS (SAE 660)

ID	OD	ITEM NO.	AVG. WGT
2-1/2	3	106176	10.9
	3-1/8	106177	13.5
	3-1/4	106178	16.3
	3-1/2	106179	22.1
	3-3/4	106180	28.3
	4	106181	36.6
	4-1/4	106182	43.7
	4-1/2	106183	51.3
	4-3/4	106184	59.3
	5	106185	69.2
	5-1/2	106186	87.8
	6	106187	107.7
2-5/8	3-1/2	106188	19.9
	3-3/4	106189	26.2
	4	106190	34.5
	4-1/2	106191	46.2
2-3/4	3-1/4	106192	12.6
	3-1/2	106193	17.7
	3-3/4	106194	23.9
	4	106195	32.3
	4-1/4	106196	39.4
	4-1/2	106197	47.0
	4-3/4	106198	54.9
2-7/8	4	106199	29.9
3	3-1/2	106200	12.9
	3-3/4	106201	19.1
	4	106202	27.5
	4-1/4	106203	34.7
	4-1/2	106204	42.2
	4-3/4	106205	50.2
	5	106206	60.3
	5-1/2	106207	78.9
	6	106208	98.8
	6-1/2	106209	120.4
3-1/4	4	106210	22.3
	4-1/4	106211	29.5
	4-1/2	106212	37.0
	4-3/4	106213	45.0
	5	106214	55.2
	5-1/2	106215	73.8
3-1/2	4	106216	16.8
	4-1/4	106217	23.9
	4-1/2	106218	31.5
	4-3/4	106219	39.4
	5	106220	49.6
	5-1/2	106221	68.3
	6	106222	88.2
	6-1/2	106223	109.8
3-3/4	4-1/2	106224	25.4
	4-3/4	106225	33.4
	5	106226	43.7
	5-1/2	106228	62.3
	6	106229	82.2
4	4-1/2	106230	19.0
	4-3/4	106231	27.0
	5	106232	37.3
	5-1/4	106233	46.6
	5-1/2	106234	55.9
	6	106235	75.9
	6-1/2	106236	97.5

ID	OD	ITEM NO.	AVG. WGT
4	7	106237	120.8
	7-1/2	106238	145.8
	8	106239	172.5
4-1/4	5	106240	30.4
	5-1/4	106241	38.4
	5-1/2	106242	49.1
	6	106243	69.1
	6-1/2	106244	90.7
4-1/2	5	106245	23.2
	5-1/2	106246	41.9
	6	106247	61.8
	6-1/2	106248	83.4
	7	106249	106.8
4-3/4	5-3/4	106250	43.5
	6	106251	54.2
	6-1/2	106252	75.8
	7	106253	99.1
5	5-3/4	106254	35.0
	6	106255	46.1
	6-1/2	106256	67.7
	7	106257	91.0
	7-1/2	106258	116.1
	8	106259	142.8
	9	106260	201.3
5-1/4	7	106262	82.5
	7-1/2	106263	107.6
5-1/2	6-1/2	106264	50.3
	7	106265	73.6
	7-1/2	106266	98.6
	8	106267	125.4
5-3/4	6-3/4	106268	51.8
	7-1/2	106269	89.3
	8-1/2	106271	144.4
6	6-3/4	106272	41.4
	7	106273	54.5
	7-1/2	106274	79.5
	8	106275	106.2
	8-1/2	106276	134.7
	9	106277	164.8
6-1/2	7-1/2	106279	58.7
	8	106280	85.4
	9	106281	144.0
7	8	106284	62.9
	9	106285	121.4
8	9	106291	71.3
	10	106292	131.8

Typical Mechanical Properties† (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.

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"

Special Products Available:

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

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

105 CONTINUOUS CAST BRONZE BARS

Stock sizes and approximate weights per standard 105" length

Finish Allowances; Actual sizes provide approximate allowances for finish as follows:

Outside Diameter	Finish (I.D. & O.D.)
0-4"	1/32"
4-5"	1/16"
5"+	3/32"

I.D.	O.D.	ITEM NUMBER	APPROX. LBS./IN.	I.D.	O.D.	ITEM NUMBER	APPROX. LBS./IN.	I.D.	O.D.	ITEM NUMBER	APPROX. LBS./IN.	
SOLID	1/2	BS 4	.075	1/2	1	BC 408	.226	1	1-1/4	BC 810	.189	
	5/8	BS 5	.113		1-1/8	BC 409	.302		1-3/8	BC 811	.283	
	3/4	BS 6	.170		1-1/4	BC 410	.377		1-1/2	BC 812	.377	
	7/8	BS 7	.217		1-3/8	BC 411	.453		1-5/8	BC 813	.481	
	1	BS 8	.283		1-1/2	BC 412	.557		1-3/4	BC 814	.604	
	1-1/8	BS 9	.349		1-3/4	BC 414	.783		1-7/8	BC 815	.708	
	1-1/4	BS 10	.434		2	BC 416	1.028		2	BC 816	.849	
	1-3/8	BS 11	.519		5/8	1	BC 508		.198	2-1/8	BC 817	.991
	1-1/2	BS 12	.613			1-1/8	BC 509		.264	2-1/4	BC 818	1.104
	1-5/8	BS 13	.708			1-1/4	BC 510		.340	2-3/8	BC 819	1.255
	1-3/4	BS 14	.802	1-3/8		BC 511	.425		2-1/2	BC 820	1.443	
	1-7/8	BS 15	.925	1-1/2		BC 512	.519		2-3/4	BC 822	1.755	
2	BS 16	1.065	1-3/4	BC 514		.745	3		BC 824	2.123		
	2-1/8	BS 17	1.198	2		BC 516	.991		3-1/4	BC 826	2.519	
	2-1/4	BS 18	1.330	3/4		1	BC 608		.151	3-1/2	BC 828	2.981
	2-3/8	BS 19	1.491		1-1/8	BC 609	.226		4	BC 832	4.075	
	2-1/2	BS 20	1.651		1-1/4	BC 610	.302		1-1/8	1-3/8	BC 911	.217
	2-5/8	BS 21	1.821		1-3/8	BC 611	.387			1-1/2	BC 912	.311
2-3/4	BS 22	1.991	1-1/2		BC 612	.481	1-5/8			BC 913	.406	
2-7/8	BS 23	2.170	1-3/4		BC 614	.689	1-3/4			BC 914	.528	
3	BS 24	2.340	2		BC 616	.934	1-7/8	BC 915		.651		
	3-1/4	BS 26	2.745		2-1/4	BC 618	1.208	2		BC 916	.792	
	3-1/2	BS 28	3.208	2-1/2	BC 620	1.519	2-1/8	BC 917		.925		
	3-3/4	BS 30	3.696	2-3/4	BC 622	1.868	2-1/2	BC 920		1.340		
	4	BS 32	4.236	7/8	1-1/8	BC 709	.170	1-1/4	1-1/2	BC1012	.236	
	4-1/4	BS 34	4.783		1-1/4	BC 710	.255		1-5/8	BC1013	.349	
	4-1/2	BS 36	5.330		1-3/8	BC 711	.340		1-3/4	BC1014	.453	
	4-3/4	BS 38	5.943		1-1/2	BC 712	.434		1-7/8	BC1015	.585	
5	BS 40	6.566	2-1/4		BC 618	1.208	2		BC1016	.726		
	5-1/2	BS 44	8.020		2-1/2	BC 620	1.519		2-1/8	BC1017	.858	
6	BS 48	9.538							2-1/4	BC1018	1.000	
	6-1/2	BS 52							11.226	2-1/2	BC1020	1.283
7	BS 56	12.906							2-3/4	BC1022	1.623	
	7-1/2	BS 60							14.698	3	BC1024	2.038
8	BS 64	16.755		3-1/4					BC1026	2.387		
	9	BS 72		21.179					3-1/2	BC1028	2.830	
10		BS 80		26.368					4	BC1032	3.868	
	13	BS104		43.648								

†Typical Mechanical Properties C93200 (SAE 660) Bronze Bars

Chemical Composition

Copper	83%
Tin.....	7%
Lead.....	7%
Zinc.....	3%
Tensile Strength.....	35,000 PSI
Yield Strength.....	20,000 PSI
Elongation in 2 Inches	10%
Brinell Number @ 500 KG Load	55-65
Equivalent Specifications: C93200, SAE 660, ASTM B505; QQ-C 390A	

105 CONTINUOUS CAST BRONZE BARS (CONT.)

I.D.	O.D.	ITEM NUMBER	APPROX. LBS./IN.
1-3/8	1-5/8	BC1113	.264
	1-3/4	BC1114	.377
	1-7/8	BC1115	.481
	2	BC1116	.642
	2-1/8	BC1117	.774
	2-1/4	BC1118	.915
	2-3/8	BC1119	1.055
	2-1/2	BC1120	1.198
	3	BC1124	1.906
1-1/2	1-3/4	BC1214	.283
	1-7/8	BC1215	.405
	2	BC1216	.547
	2-1/8	BC1217	.660
	2-1/4	BC1218	.830
	2-3/8	BC1219	.981
	2-1/2	BC1220	1.142
	2-3/4	BC1222	1.453
	3	BC1224	1.821
	3-1/4	BC1226	2.274
	3-1/2	BC1228	2.670
	3-3/4	BC1230	3.151
	4	BC1232	3.764
	4-1/2	BC1236	4.840
1-5/8	2	BC1316	.434
	2-1/8	BC1317	.594
	2-1/4	BC1318	.736
	2-1/2	BC1320	1.009
	2-3/4	BC1322	1.358
1-3/4	2	BC1416	.330
	2-1/8	BC1417	.453
	2-1/4	BC1418	.632
	2-3/8	BC1419	.774
	2-1/2	BC1420	.943
	2-5/8	BC1421	1.075
	2-3/4	BC1422	1.283
	3	BC1424	1.623
	3-1/4	BC1426	2.075
	3-1/2	BC1428	2.491
	3-3/4	BC1430	2.925
	4	BC1432	3.538
	4-1/4	BC1434	4.057
1-7/8	2-1/4	BC1518	.481
	2-3/8	BC1519	.660
	2-1/2	BC1520	.802
	2-5/8	BC1521	.962
	2-3/4	BC1522	1.189
	3	BC1524	1.557
2	2-1/4	BC1618	.368
	2-3/8	BC1619	.528
	2-1/2	BC1620	.708
	2-5/8	BC1621	.906
	2-3/4	BC1622	1.047
	2-7/8	BC1623	1.245
	3	BC1624	1.434
	3-1/4	BC1626	1.811
	3-1/2	BC1628	2.226
	3-3/4	BC1630	2.717
	4	BC1632	3.330
	4-1/2	BC1636	4.415
	5	BC1640	5.632
	5-1/2	BC1644	7.123
	6	BC1648	8.642
2-1/8	2-5/8	BC1721	.755
	2-3/4	BC1722	.915
	2-7/8	BC1723	1.104
	3	BC1724	1.245
	3-1/4	BC1726	1.717
	3-1/2	BC1728	2.132
2-1/4	2-3/4	BC1822	.764
	2-7/8	BC1823	.943

I.D.	O.D.	ITEM NUMBER	APPROX. LBS./IN.
2-1/4	3	BC1824	1.132
	3-1/8	BC1825	1.321
	3-1/4	BC1826	1.538
	3-1/2	BC1828	1.962
	3-3/4	BC1830	2.472
2-3/8	4	BC1832	3.028
	4-1/4	BC1834	3.585
2-1/2	2-3/4	BC1922	.623
	2-7/8	BC1923	.821
	3	BC1924	1.000
	3-1/4	BC1926	1.377
	3-1/2	BC1928	1.830
2-5/8	3-3/4	BC1930	2.311
	4	BC1932	2.887
3	3	BC2024	.868
	3-1/8	BC2025	1.028
	3-1/4	BC2026	1.274
	3-1/2	BC2028	1.717
	3-3/4	BC2030	2.142
	4	BC2032	2.745
	4-1/4	BC2034	3.302
	4-1/2	BC2036	3.868
	4-3/4	BC2038	4.481
	5	BC2040	5.075
3-1/4	5-1/2	BC2044	6.585
	6	BC2048	8.019
3-1/2	3-1/2	BC2128	1.528
	3-3/4	BC2130	1.981
4	3-1/4	BC2226	.906
	3-1/2	BC2228	1.340
	3-3/4	BC2230	1.830
	4	BC2232	2.406
	4-1/4	BC2234	2.953
	4-1/2	BC2236	3.538
	4-3/4	BC2238	4.151
4-1/4	4	BC2332	2.255
4-1/2	3-1/2	BC2428	1.019
	3-3/4	BC2430	1.434
	4	BC2432	2.094
	4-1/4	BC2434	2.613
	4-1/2	BC2436	3.160
	4-3/4	BC2438	3.774
	5	BC2440	4.415
	5-1/2	BC2444	5.896
	6	BC2448	7.405
	6-1/2	BC2452	9.009
4-3/4	3-3/4	BC2630	1.208
	4	BC2632	1.670
	4-1/4	BC2634	2.217
	4-1/2	BC2636	2.783
	4-3/4	BC2638	3.395
5	5	BC2640	4.009
	5-1/2	BC2644	5.500
5-1/2	4	BC2832	1.255
	4-1/4	BC2834	1.783
	4-1/2	BC2836	2.358
	4-3/4	BC2838	2.981
	5	BC2840	3.632
	5-1/2	BC2844	5.047
	6	BC2848	6.566
	6-1/2	BC2852	8.245
5-3/4	4-1/2	BC3036	1.925
	4-3/4	BC3038	2.538
	5	BC3040	3.160
	5-1/2	BC3044	4.623
	6	BC3048	6.142
6	4-1/2	BC3236	1.434
	4-3/4	BC3238	2.047
	5	BC3240	2.660

I.D.	O.D.	ITEM NUMBER	APPROX. LBS./IN.
4	5-1/4	BC3242	3.519
	5-1/2	BC3244	4.132
	6	BC3248	5.660
	6-1/2	BC3252	7.330
	7	BC3256	9.104
	7-1/2	BC3260	10.849
	8	BC3264	13.019
4-1/4	5	BC3440	2.170
	5-1/4	BC3442	3.019
	5-1/2	BC3444	3.726
	6	BC3448	5.132
	6-1/2	BC3452	6.793
4-1/2	5	BC3640	1.613
	5-1/2	BC3644	3.123
	6	BC3648	4.594
	6-1/2	BC3652	6.226
	7	BC3656	7.906
4-3/4	5-3/4	BC3846	3.302
	6	BC3848	4.038
	6-1/2	BC3852	5.698
5	5-1/2	BC4044	2.009
	6	BC4048	3.425
	6-1/2	BC4052	5.017
	7	BC4056	6.792
	7-1/2	BC4060	8.708
	8	BC4064	10.575
	9	BC4072	15.047
	10	BC4080	20.330
5-1/4	7	BC4256	6.226
5-1/2	6	BC4448	2.198
	6-1/2	BC4452	3.811
	7	BC4456	5.547
	7-1/2	BC4460	7.358
5-3/4	8	BC4464	9.340
	6-3/4	BC4654	3.953
	7-1/2	BC4660	6.632
	8	BC4664	8.755
6	6-1/2	BC4852	2.396
	6-3/4	BC4854	3.236
	7	BC4856	4.104
	7-1/2	BC4860	5.962
	8	BC4864	8.000
	8-1/2	BC4868	10.132
	9	BC4872	12.396
	10	BC4880	17.604
6-1/2	7-1/2	BC5260	4.434
	8	BC5264	6.538
	9	BC5272	10.877
	9-1/2	BC5276	13.368
7	8	BC5664	4.840
	9	BC5672	9.151
	9-1/2	BC5676	11.717
	10	BC5680	14.330
	11	BC5688	19.811
7-1/2	8-1/2	BC6068	5.123
	9-1/2	BC6076	9.632
8	9	BC6472	5.387
	9-1/2	BC6476	7.962
	10	BC6480	10.500
	11	BC6488	16.028
	12	BC6496	21.881
8-1/2	9-1/2	BC6876	6.000
	10-1/2	BC6884	11.075
9	10	BC7280	6.368
	10-1/2	BC7284	8.906
	11	BC7288	11.660
	12	BC7296	17.613
9-1/2	10-1/2	BC7684	6.690
	11	BC7688	9.245
10	11	BC8088	7.000
	12	BC8096	12.840
11	12	BC8896	7.679

144 INCH ALUMINUM BRONZE BARS

TUBULAR			
SIZE I.D. and O.D.	PART NUMBER	APPROX. LBS./IN.	
3/4	1-1/4	AB 610	.278
	1-1/2	AB 612	.438
	1-3/4	AB 614	.625
	2	AB 616	.833
1	1-1/2	AB 812	.347
	1-3/4	AB 814	.535
	2	AB 816	.743
	2-1/4	AB 818	.979
	2-1/2	AB 820	1.250
	3	AB 824	1.847
1-1/4	1-3/4	AB 1014	.417
	2	AB 1016	.632
	2-1/4	AB 1018	.868
	2-1/2	AB 1020	1.132
	2-3/4	AB 1022	1.389
	3	AB 1024	1.757
1-1/2	1-7/8	AB 1215	.382
	2	AB 1216	.486
	2-1/4	AB 1218	.729
	2-1/2	AB 1220	.993
	2-3/4	AB 1222	1.285
	3	AB 1224	1.604
	3-1/2	AB 1228	2.389
	3-3/4	AB 1230	2.701
	4	AB 1232	3.125
1-3/4	2-1/8	AB 1417	.444
	2-1/4	AB 1418	.556
	2-1/2	AB 1420	.819
	2-3/4	AB 1422	1.118
	3	AB 1424	1.438
	3-1/4	AB 1426	1.882
	3-1/2	AB 1428	2.236
	3-3/4	AB 1430	2.549
	4	AB 1432	2.965
	2-3/8	AB 1619	.493
	2-1/2	AB 1620	.632
	2-3/4	AB 1622	.917
	3	AB 1624	1.236
2	3-1/4	AB 1626	1.674
	3-1/2	AB 1628	2.042
	3-3/4	AB 1630	2.361
	4	AB 1632	2.868
	4-1/2	AB 1636	3.764
	5	AB 1640	4.917
	6	AB 1648	7.347
	2-5/8	AB 1821	.549
	2-3/4	AB 1822	.688
2-1/4	3	AB 1824	1.021
	3-1/4	AB 1826	1.458
	3-1/2	AB 1828	1.840
	3-3/4	AB 1830	2.236
	4	AB 1832	2.639
2-1/2	3	AB 2024	.764
	3-1/4	AB 2026	1.208
	3-1/2	AB 2028	1.590
	3-3/4	AB 2030	2.014
	4	AB 2032	2.382
	4-1/2	AB 2036	3.306
	5	AB 2040	4.507
	6	AB 2048	6.910
	3-1/4	AB 2226	.938
2-3/4	3-1/2	AB 2228	1.306
	3-3/4	AB 2230	1.854
	4	AB 2232	2.188
	4-1/4	AB 2234	2.563
	4-1/2	AB 2236	3.042
3	3-1/2	AB 2428	1.014
	3-3/4	AB 2430	1.424
	4	AB 2432	1.847
	4-1/4	AB 2434	2.264
	4-1/2	AB 2436	2.743

TUBULAR			
SIZE I.D. and O.D.	PART NUMBER	APPROX. LBS./IN.	
3	5	AB 2440	3.986
	5-1/2	AB 2444	5.104
	6	AB 2448	6.583
	7	AB 2456	9.424
3-1/4	3-3/4	AB 2630	1.076
	4	AB 2632	1.528
	4-1/4	AB 2634	1.944
	4-1/2	AB 2636	2.424
	5	AB 2640	3.569
3-1/2	4	AB 2832	1.160
	4-1/4	AB 2834	1.597
	4-1/2	AB 2836	2.069
	5	AB 2840	3.326
	5-1/2	AB 2844	4.444
4	4-1/2	AB 3236	1.292
	4-3/4	AB 3238	1.972
	5	AB 3240	2.521
	5-1/2	AB 3244	3.674
	6	AB 3248	5.181
4-1/2	7	AB 3256	7.910
	8	AB 3264	11.285
	5	AB 3640	1.708
	5-1/4	AB 3642	2.181
5	5-1/2	AB 3644	2.792
	6	AB 3648	4.285
	6-1/2	AB 3652	5.688
	5-1/2	AB 4044	1.819
6	5-3/4	AB 4046	2.507
	6	AB 4048	3.319
	7	AB 4056	6.194
	8	AB 4064	9.444
6-1/2	6-1/2	AB 4452	3.632
	7	AB 4856	3.896
	8	AB 4864	7.174
	7-1/2	AB 5260	4.027
7	8	AB 5664	4.319

SOLID			
SIZE	PART NUMBER	APPROX. LBS./IN.	
1/2	AB 4	.069	
3/4	AB 6	.146	
1	AB 8	.243	
1-1/4	AB 10	.375	
1-1/2	AB 12	.528	
1-5/8	AB 13	.618	
1-3/4	AB 14	.708	
2	AB 16	.917	
2-1/4	AB 18	1.153	
2-1/2	AB 20	1.410	
2-3/4	AB 22	1.701	
3	AB 24	2.014	
3-1/4	AB 26	2.396	
3-1/2	AB 28	2.771	
3-3/4	AB 30	3.194	
4	AB 32	3.604	
4-1/4	AB 34	4.042	
4-1/2	AB 36	4.521	
4-3/4	AB 38	4.951	

SOLID			
SIZE I.D. and O.D.	PART NUMBER	APPROX. LBS./IN.	
5	AB 40	5.618	
	AB 44	6.736	
5-1/2	AB 44	6.736	
6	AB 48	8.188	
6-1/2	AB 52	9.576	
7	AB 56	10.854	
8	AB 64	14.160	

NEAREST APPLICABLE SPECIFICATIONS:

ASTM B 505 Alloy 954

FEDERAL QQ-C-390

UNS C95400

Chemical Composition:

Aluminum = 10.0-11.5%

Iron = 3.0-5.0

Copper = Balance

Physical Properties: (Minimums)

Tensile Strength = 85,000 psi

Yield = 32,000 psi

Elongation = 12%

Brinetti = 150/3000 Kg.

NOMINAL STOCK ALLOWANCES

FOR 144" ALUMINUM BRONZE CON-CAST BAR

I.D. ONLY	STOCK ALLOW.	TOLERANCE
UP TO .25"	-.060	+.010
		-.030
2.25 TO 3.25"	-.080	+.010
		-.040
3.25" AND LARGER	-.100	+.010
		-.050

O.D. ONLY	STOCK ALLOW.	TOLERANCE
UP TO 2.25"	.060	+.010
		-.010
2.25" TO 3.25"	.080	+.015
		-.015
3.25" AND LARGER	.100	+.020
		-.020

CUTTING CHARGES - Price on Request

144 INCH ALUMINUM BRONZE WEARPLATES

NOMINAL SIZE	PART NUMBER	APPROX. LBS./IN.
1/4 x	1 PA 208 1-1/4 PA 210 1-1/2 PA 212 2 PA 216 2-1/2 PA 220 3 PA 224 4 PA 232	.104 .125 .146 .194 .236 .285 .382
3/8 x	1 PA 308 1-1/2 PA 312 2 PA 316 2-1/2 PA 320 3 PA 324 3-1/2 PA 328 4 PA 332 5 PA 340 6 PA 348	.139 .201 .264 .326 .396 .444 .514 .646 .799
1/2 x	1 PA 408 1-1/4 PA 410 1-1/2 PA 412 1-3/4 PA 414 2 PA 416 2-1/2 PA 420 3 PA 424 3-1/2 PA 428 4 PA 432 5 PA 440 6 PA 448 8 PA 464	.174 .222 .257 .290 .333 .417 .500 .576 .646 .813 1.007 1.313
5/8 x	1 PA 508 1-1/2 PA 512 2 PA 516 2-1/2 PA 520 3 PA 524 4 PA 532 5 PA 540 6 PA 548	.215 .313 .410 .500 .597 .799 .986 1.208
3/4 x	3/4 PA 606 1 PA 608 1-1/2 PA 612 2 PA 616 2-1/2 PA 620 3 PA 624 3-1/2 PA 628 4 PA 632 5 PA 640 6 PA 648	.188 .250 .368 .479 .590 .708 .825 .931 1.146 1.417
1 x	1 PA 808 1-1/4 PA 810 1-1/2 PA 812 1-3/4 PA 814 2 PA 816	.319 .403 .472 .542 .618

Equivalent Specifications:

ASTM B505 C95400

(not to be used for specification purposes)

Chemical Composition

Aluminum 10-11.5%
Iron 3-5%
Copper Balance

Typical Properties: Continuous Cast Aluminum Bronze Wear Plate

Tensile Strength ... 85,000-98,000 psi
Yield 32,000-44,000 psi
Elongation in 2 inches 10-12%
Reduction of Area None
Brinell (3000 kg) 170-205 kg

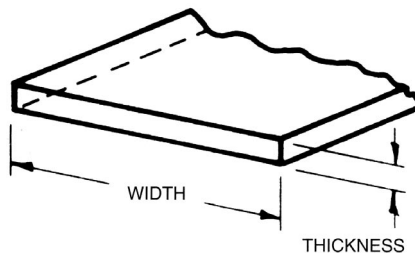
WEAR PLATE

Nominal Stock Allowances

All Thickness062
All Widths062

STRAIGHTNESS/FLATNESS/LENGTHS

Maximum deviation from straightness due to twist, waviness or full cambers is 3/16" in any 5 feet.
Width flatness to be within stock allowances.



CUTTING CHARGES – Price on request.

Prices for sizes not shown are available on request.

NOMINAL SIZE	PART NUMBER	APPROX. LBS./IN.
1x	2-1/2 PA 820 3 PA 824 3-1/2 PA 828 4 PA 832 5 PA 840 6 PA 848	.764 .910 1.063 1.157 1.507 1.840
1-1/4 x	1-1/4 PA 1010 1-1/2 PA 1012 1-3/4 PA 1014 2 PA 1016 2-1/2 PA 1020 3 PA 1024 3-1/2 PA 1028 4 PA 1032 5 PA 1040	.486 .576 .667 .757 .944 1.118 1.313 1.486 1.854
1-1/2 x	1-1/2 PA 1212 1-3/4 PA 1214 2 PA 1216 2-1/2 PA 1220 3 PA 1224 3-1/2 PA 1228 4 PA 1232 5 PA 1240 6 PA 1248	.688 .799 .903 1.104 1.340 1.507 1.771 2.181 2.653
1-3/4 x	2 PA 1416 2-1/2 PA 1420 3 PA 1424 4 PA 1432 5 PA 1440 6 PA 1448	1.049 1.299 1.556 1.993 2.486 3.076
2 x	2 PA 1616 2-1/2 PA 1620 3 PA 1624 4 PA 1632 6 PA 1648	1.181 1.465 1.750 2.313 3.451
2-1/2 x	2-1/2 PA 2020 3 PA 2024 4 PA 2032 5 PA 2040	1.799 2.181 2.875 3.576
3 x	3 PA 2424	2.590
3 x	4 PA 2432	3.375
6 x	6 PA 4848	10.000

144 INCH MANGANESE BRONZE BARS

Finish Allowances; Actual sizes provide approximate allowances for finish as follows:

Outside Diameter	Finish (I.D. & O.D.)
0-4"	1/32"
4-5"	1/16"
5"+	3/32"

I.D.	O.D.	ITEM NUMBER	APPROX. LBS./IN.	I.D.	O.D.	ITEM NUMBER	APPROX. LBS./IN.	I.D.	O.D.	ITEM NUMBER	APPROX. LBS./IN.
SOLID X	1	MB 8	.257	1 x	1-1/2	MB 812	.354	3-1/2 x	4	MB 2832	1.194
	1-1/2	MB 12	.549		2	MB 816	.757		4-1/4	MB 2834	1.667
	2	MB 16	.951		2-1/2	MB 820	1.271		4-3/4	MB 2838	2.785
	2-1/2	MB 20	1.424		3	MB 824	1.896		5-1/2	MB 2844	4.514
	3	MB 24	2.090		4	MB 832	3.556	4 x	4-1/2	MB 3236	1.420
	3-1/2	MB 28	2.875	1-1/2 x	2	MB 1216	.500		5	MB 3240	2.632
	4	MB 32	3.729	1-3/4 x	2-1/4	MB 1418	.569		6	MB 3248	5.292
	4-1/2	MB 36	4.757	2 x	2-1/4	MB 1618	.368	5 x	6	MB 4048	3.354
	5	MB 40	5.840		2-1/2	MB 1620	.660		7	MB 4056	6.347
	6	MB 48	8.570	2 x	2-3/4	MB 1622	.944				
					3	MB 1624	1.264				
					3-1/2	MB 1628	2.125				
					4	MB 1632	2.965				
					5	MB 1640	5.063				
					6	MB 1648	7.771				
				2 -1/2 x	3	MB 2024	.813				
					3-1/2	MB 2028	1.681				
				3 x	3-1/2	MB 2428	1.076				
					4	MB 2432	1.958				
					5	MB 2440	4.056				

†Minimum Mechanical Properties C86300 (SAE 430B) Bronze Bars

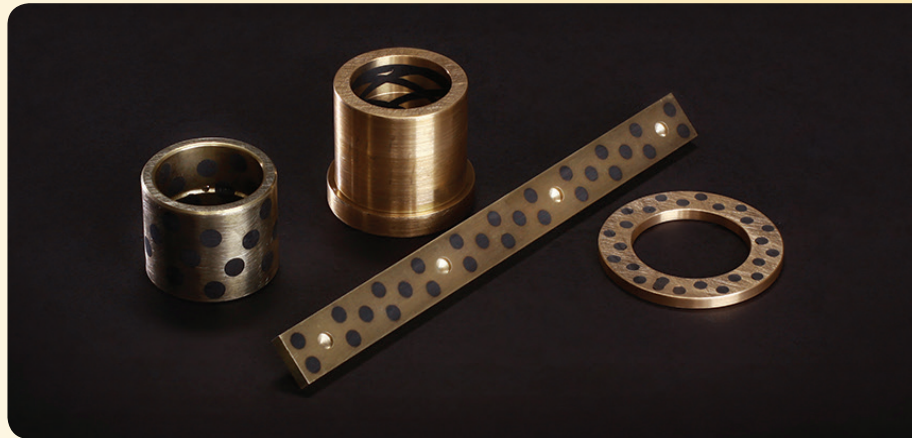
Chemical Composition

Copper	63%
Aluminum	6%
Manganese.....	3%
Zinc.....	25%
Iron	3%
Tensile Strength.....	110,000 PSI
Yield Strength.....	60,000 PSI
Elongation in 2 Inches	12%
Brinell Number @ 500 KG Load	225

Equivalent Specifications: C86300, SAE 430B, ASTM B505; QQ-C 390

SPECIAL PRODUCTS

- Specials machined to customer's print specifications
- Oil and grease grooves
 - Single Loop
 - Figure Eight
 - One Straight & One Circular
 - Double Loop
 - Double Figure Eight
 - R.H. & L.H. Spiral
 - Straight Groove
 - Circular Groove
- Graphited bronze bearings and plates
- CNC and manual equipment
- Quotes by samples or prints
- Plastic/Nylon
- Steel bearings/bushings
- Prototyping and sample services available in all alloys
- Short or long runs
- Special lubes and greases available
- Centrifugal and sand castings available
- Continuous cast and extruded bar or plate stock
- Split bushings



dbm
DIVERSIFIED BRONZE &
MANUFACTURING, INC.

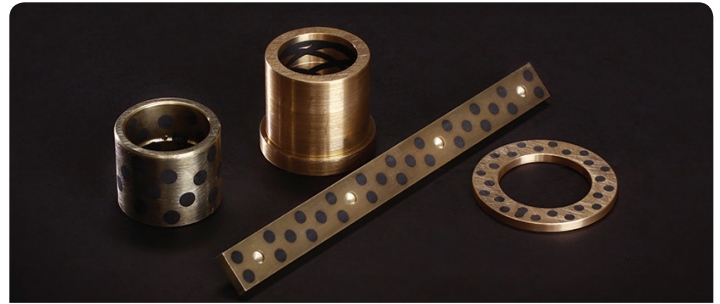
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CUSTOM MACHINED PARTS



CUSTOM MACHINED PARTS

DBM was founded as a Custom Bronze Bearing producer and continues to grow it's machining capabilities to include turning, boring, grooving, facing, milling, drilling, grinding and deburring of almost any material.



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STANDARD PARTS



STANDARD CAST BRONZE BEARINGS

Our Standard Cast Bronze bearings are made from the highest quality material to exact dimensions in a full range of Sleeve, Flanged and Washers.



STANDARD 841 POWDERED METAL BEARINGS

Our PM bearings are lubricated with the highest quality SAE 30 oil available on the market in Sleeve, Flanged and Washers.



STANDARD POWDERED METAL BAR, PLATE AND DISC

We carry all Standard SAE 841 Solid & Cored Bar, Plates and Discs. Also, Solid & Cored Bar in SAE 863 Material.



STANDARD CAST BRONZE BAR AND PLATE STOCK

We offer Standard and Custom Length Solid, Tube, Plate and Discs in C93200/SAE 660, C95400 Aluminum Bronze and C86300 Manganese Bronze.

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