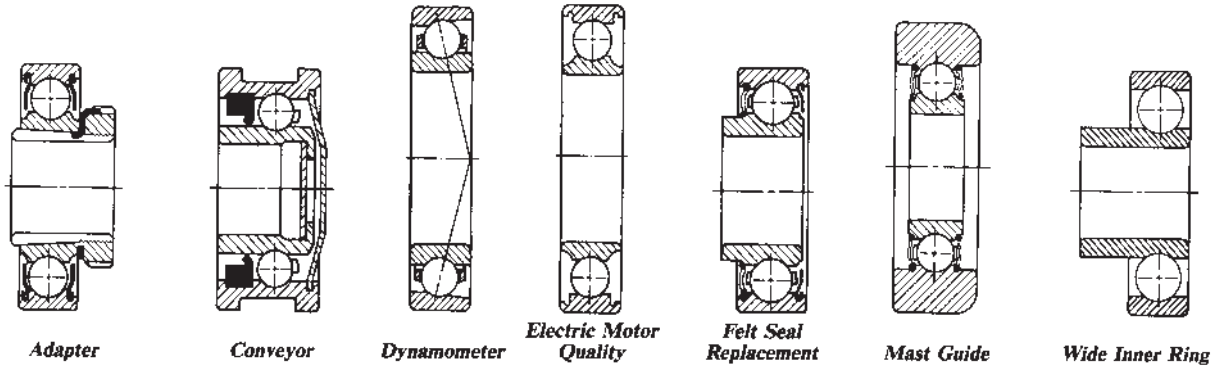


In addition to our standard line of bearing products, MRC Bearing Services also has the capability of supplying several non standard or specialty bearings. The bearings shown above and described on the following pages are a few examples of our specialty bearings. If you need information about a bearing type not shown please contact our engineering dept.

The following are brief descriptions of our specialty bearings.

Adapter

Adapter bearings have a 1:12 tapered bore and are used with either an adapter sleeve or directly on a tapered shaft. MRC does not furnish adapter sleeves.

Conveyor

Conveyor bearings may be mounted directly into a conveyor roll or designed with O.D. slots for bracket mounting. They are equipped with closures for protection and lubricant retention.

Dynamometer

Dynamometer bearings are designed to minimize temperature, noise and vibration. Included are special tolerances and an inner ring land guided phenolic composition cage.

Electric Motor Quality

Electric motor quality bearings are designed to provide quiet and smooth operation in electric motors. They are available in various configurations including open and single or double sealed or shielded types.

Felt Seal Replacement

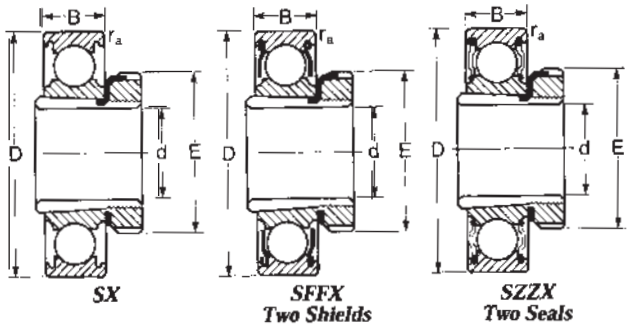
Felt seal replacement bearings incorporate synthetic rubber seals and are a direct replacement for the felt seal type.

Mast Guide

Mast guide bearings consist of a family of special bearings designed to meet the rigorous demands of industrial truck service. For protection they are equipped with synthetic rubber or polypropylene seals.

Wide Inner Ring

Wide inner ring bearings are used in electric motors. The wide inner ring permits the bearing to be mounted without using a locknut on the shaft.



Note: Adapter and nut are not furnished with bearings.

Adapter-type bearings, when used with adapter sleeves, are designed for mounting on inch size shafting without machining the shaft. The tapered sleeve is drawn into the tapered bore of the bearing as the nut is tightened. Soft steel sleeve adapts to the shaft and grips it tightly. Tapered bore of bearing is 1:12 (included angle 4˚ 46´ 19˝). Adapter sleeve designation includes nut and lockwasher. (MRC does not supply adapter sleeves.) For mounting instructions see page 80.

Shaft Diameter d In Inches		MRC Bearing Number	Outside Diameter D		Width B		Fillet Radius[1] r_a		Adapter Sleeve	ZD[2]		Basic Radial Load Rating Dynamic C[3]		Basic Radial Load Rating Static C_0		Speed Rating[2] Open and Shielded Grease	Speed Rating[2] Oil	Speed Rating[2] Single and Double Sealed Grease
			mm	in	mm	in	mm	in		mm	in	N	lbf	N	lbf	RPM	RPM	RPM
15/16	1	206-SFFX	62	2.4409	16	.6299	1.0	.04	SNW6	819	1.27	19 500	4 380	10 000	2 250	10 000	13 000	—
15/16	1	206-SZZX	62	2.4409	16	.6299	1.0	.04	SNW6	819	1.27	19 500	4 380	10 000	2 250	—	—	7 500
1 1/8	1 3/16	207-SFFX	72	2.8346	17	.6693	1.0	.04	SNW7	1 140	1.76	27 000	6 070	15 300	3 440	9 000	11 000	—
1 1/8	1 3/16	207-SZZX	72	2.8346	17	.6693	1.0	.04	SNW7	1 140	1.76	27 000	6 070	15 300	3 440	—	—	6 300
	1 7/16	209-SZZX	85	3.3465	19	.7480	1.0	.04	SNW9	1 640	2.54	36 400	8 180	22 800	5 130	—	—	5 000
	1 3/4	210-SX	90	3.5433	20	.7874	1.0	.04	SNW10	1 610	2.50	35 100	7 890	23 200	5 210	7 000	8 500	4 800
	1 15/16	211-SX	100	3.9370	21	.8268	1.5	.06	SNW11	2 040	3.16	43 600	9 800	30 000	6 740	6 300	7 500	4 300
	2 1/16	212-SZZX	110	4.3307	22	.8661	1.5	.06	SNW12	2 520	3.91	47 500	10 700	32 500	7 310	—	—	4 000
	2 7/16	215-SZZX	130	5.1181	25	.9843	1.5	.06	SNW15	3 350	5.20	66 300	14 900	49 000	11 000	—	—	3 200
	3	217-SZZX	150	5.9055	28	1.1024	2.0	.08	SNW17	4 260	6.60	83 200	18 700	64 000	14 400	—	—	2 800

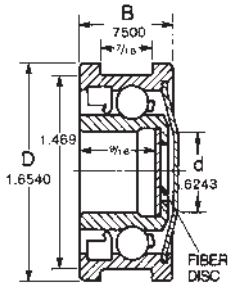
[1] Fillet radius indicates maximum fillet radius on shaft or in housing which bearing corner will clear.

[2] Listed values are for pressed steel or polyamide cage, ABEC-1.
The values have been determined through historical application and practice. For a more complete explanation, see page 274.

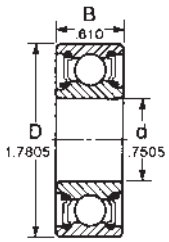
[3] Rating for one million revolutions or 500 hours at 33⅓ RPM.

Conveyor roll ball bearings are offered for use in either inboard or outboard roll applications. Some types are designed for mounting directly into a roll, others are designed with a milled slot in the outer ring for simplified bracket mounting. Seals in the permanently lubricated bearing types retain lubricant for the life of the bearing, and protect against entrance of foreign matter. Maximum adjustment for belt alignment is provided, resulting in less belt wear. Cadmium-plated outer rings are supplied, except in CONV-4SZZ-2.

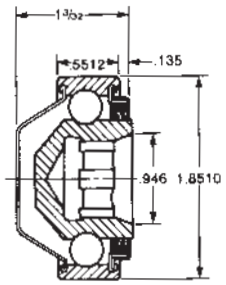
Conveyor rolls equipped with CONV-504-3 bearings turn on stub shafts designed for self-alignment in bearing bore and ease of removal. CONV-504-3 is fitted with synthetic rubber seals which effectively seal out contaminants.



[1]CONV-3-Y-4



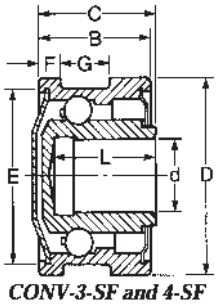
CONV-4-SZZ-2



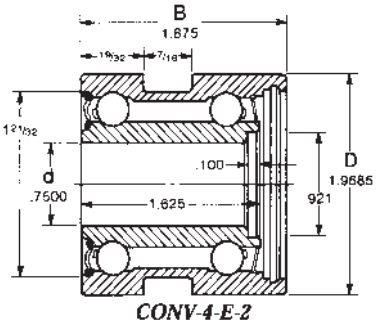
CONV-504-3

MRC Bearing Number	Dimensions in Inches								Approx. Weight lb.	Basic Radial Load Rating			
										Dynamic C[2]		Static C_0	
	d	D	B	C	L	E	F	G		N	lbf	N	lbf
CONV-3-SF[3]	**.6243**	**1.6540**	**.9688**	**1.000**	7/8	**1.469**	3/16	7/16	.37	5 920	**1 330**	4 000	**899**
CONV-4-SF[3]	**.7874**	**1.9685**	**1.0000**	**1.0625**	29/32	**1.781**	9/32	7/16	.55	13 500	**3 030**	11 400	**2 560**
CONV-4-SZZ2	**.7505**	**1.7805**	**.610**	—	—	—	—	—	.22	13 500	**3 030**	11 400	**2 560**
CONV-3-Y-4	All dimensions shown in drawings above								.27	5 920	**1 330**	4 000	**899**
CONV-4-E-2									.91	13 500	**3 030**	11 400	**2 560**

[1] CONV-3-Y-2 replaced by CONV-3-Y-4. CONV-3-Y-2 did not have cadmium-plated outer ring and shields.
[2] Rating for one million revolutions or 500 hours at 33⅓ RPM.
[3] Check availability.



CONV-3-SF and 4-SF



CONV-4-E-2

For several years, MRC Bearing Services has supplied specially designed bearings for dynamometer applications. These bearings are manufactured with the following characteristics.

- ABEC 5 Inner Ring Tolerances.
- Inner ring eccentricity value, not to exceed 0.0005″, marked on the inner ring face at the location of maximum lateral runout.
- Special internal radial clearance.
- Special “E” Grade Balls.
- High speed, lightweight, inner ring land-guided phenolic (Bakelite) separators.

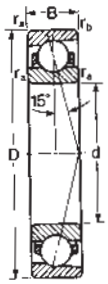
Dynamometer Bearing Identification

3 16 R DM – BKE

Series (300)
Bore Diameter Code (80MM)
“R” Type, Single Row, Maximum Capacity
Special Dynamometer Quality Features
Phenolic (Bakelite) Separator

These bearings were developed to minimize operating temperatures, noise and vibration in dynamometer applications. To achieve best results the value of eccentricity marked on the inner ring face should be aligned 180° opposite the high point of eccentricity measured at the shaft journal. If the bearings are grease lubricated, they should be carefully hand packed prior to installation to make sure that grease is worked into the close running clearance between the O.D. of the inner ring and the I.D. of the separator.

300-RDM Series



300-RDM Series dynamometer bearings are made with bore diameters ranging from 35mm to 160mm. These bearings are recommended for high speed dynamometers or any application involving moderate to heavy radial loads, moderate thrust loads in one direction, or for combinations of both.

MRC Bearing Number	Bore d		Outside Diameter D		Width B		Fillet Radius[1] r_a		r_b		ZD^2		Basic Radial Load Rating Dynamic C[3]		Basic Radial Load Rating Static C_0		Speed Rating[2] Grease	Speed Rating[2] Oil
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	N	lbf	N	lbf	RPM	RPM
307RDM[4]	35	**1.3780**	80	**3.1496**	21	**.8268**	1.5	**.06**	1.0	**.040**	1 940	**3.00**	39 000	**8 770**	26 000	**5 850**	19 500	28 000
309RDM[4]	45	**1.7717**	100	**3.9370**	25	**.9843**	1.5	**.06**	1.0	**.040**	3 030	**4.69**	58 500	**13 200**	40 500	**9 100**	15 400	22 400
310RDM[4]	50	**1.9685**	110	**4.3307**	27	**1.0630**	2.0	**.08**	1.0	**.040**	4 350	**6.75**	80 600	**18 100**	57 000	**12 800**	14 500	21 000
311RDM[4]	55	**2.1654**	120	**4.7244**	29	**1.1417**	2.0	**.08**	1.0	**.040**	5 110	**7.92**	93 600	**21 000**	67 000	**15 100**	12 900	18 700
312RDM[4]	60	**2.3622**	130	**5.1181**	31	**1.2205**	2.0	**.08**	1.0	**.040**	5 930	**9.19**	108 000	**24 300**	78 000	**17 500**	11 500	16 800
313RDM[4]	65	**2.5591**	140	**5.5118**	33	**1.2992**	2.0	**.08**	1.0	**.040**	6 900	**10.7**	121 000	**27 200**	93 000	**20 900**	11 000	15 700
315RDM	75	**2.9528**	160	**6.2992**	37	**1.4567**	2.0	**.08**	1.0	**.040**	9 050	**14.0**	153 000	**34 400**	122 000	**27 400**	9 900	14 000
316RDM	80	**3.1496**	170	**6.6929**	39	**1.5354**	2.0	**.08**	1.0	**.040**	9 480	**14.7**	159 000	**35 700**	129 000	**29 000**	8 700	12 600
318RDM	90	**3.5433**	190	**7.4803**	43	**1.6929**	2.5	**.10**	1.0	**.040**	11 800	**18.3**	185 000	**41 600**	160 000	**36 000**	7 800	11 200
320RDM	100	**3.9370**	215	**8.4646**	47	**1.8504**	2.5	**.10**	1.0	**.040**	14 400	**22.4**	212 000	**47 700**	200 000	**45 000**	6 900	10 100
321RDM[4]	105	**4.1339**	225	**8.8583**	49	**1.9291**	2.5	**.10**	1.0	**.040**	15 900	**24.6**	229 000	**51 500**	204 000	**45 900**	6 400	9 500
322RDM[4]	110	**4.3307**	240	**9.4488**	50	**1.9685**	2.5	**.10**	1.0	**.040**	18 800	**29.2**	255 000	**57 300**	255 000	**57 300**	6 000	9 000
324RDM[4]	120	**4.7244**	260	**10.2352**	55	**2.1654**	2.5	**.10**	1.0	**.040**	22 100	**34.3**	265 000	**59 600**	300 000	**67 400**	6 000	8 400
326RDM[4]	130	**5.1181**	280	**11.0236**	58	**2.2835**	3.0	**.12**	1.0	**.040**	25 700	**39.8**	296 000	**66 500**	345 000	**77 600**	5 300	7 800
328RDM[4]	140	**5.5118**	300	**11.8110**	62	**2.4409**	3.0	**.12**	1.0	**.040**	29 500	**45.7**	351 000	**78 900**	400 000	**89 900**	4 800	7 300
330RDM[4]	150	**5.9055**	320	**12.5984**	65	**2.5591**	3.0	**.12**	1.0	**.040**	33 900	**52.6**	390 000	**87 700**	475 000	**107 000**	4 600	6 700
332RDM[4]	160	**6.2992**	340	**13.3853**	68	**2.6772**	3.0	**.12**	1.0	**.040**	38 400	**59.6**	423 000	**95 100**	530 000	**119 000**	4 100	6 200

[1] Fillet radius indicates maximum fillet radius on shaft or in housing which bearing corner will clear.
[2] Listed values are for inner ring land guided, phenolic composition cage.
The values have been determined through historical application and practice. For a more complete explanation, see page 274.
[3] Rating for one million revolutions or 500 hours at 33⅓ RPM.
[4] Typically non-stocked sizes, please check availability before designing into equipment.

MRC Bearing Services manufactures its deep groove ball bearings to meet the high demands for quiet and smooth running bearings for the electric motor market. MRC boxes are clearly labeled with the letters EMQ to identify them as being Electric Motor Quality. Many electric motors specification plates identify the bearings to be used in the motor with an American Bearing Manufacturers Association (ABMA) number. For your convenience, an ABMA identification code chart is provided along with a list of popular ABMA numbers and their corresponding MRC part number. MRC EMQ bearings are packaged with a premium quality polyurea grease having an NLGI #2 rating.

The ABMA (American Bearing Manufacturers Association) method of identification is arranged in five sections. An abbreviated explanation of each section is provided below. This information will allow identification of most general purpose bearings. If additional assistance is required please contact MRC Bearing Services.

Schematic Arrangement of Radial Bearings

Radial ball and roller bearings										
Basic Number			Supplementary Number							
Section 1			Section 2			Section 3		Section 4	Section 5	
Type and boundary dimensions			Modification of design			Internal fit and tolerances		Lubricants and preservatives	Special requirements	
Bore	Type	Outside diameter and width	Cage and separators	Shields and seals / Duplex mounting modification	Bearing rings	Internal fit	Tolerances			
0000	AAA	00	A	AA	A	0	0	A	000	

Section 1

Bore—Bore Diameter in mm

Type

BC	–S	BD	5000	BS	1200E
BL	–M	BE	5000M	BY	9000H
BH	–R	BG	5000C	BZ	9000U
BA	7000	BF	5000M*	BIC	R(INCH)
BT	7000P	BK	5000C**	BIH	XLS

Outside diameter and width

02 = 200
03 = 300
04 = 400
10 = 100
19 = 1900
32 = 5200
33 = 5300
34 = 5400

Section 2

Cage

J = Pressed steel
Y = Pressed brass
K = Machined bronze, land guided
D = Non-metallic, land guided
T = Non-metallic, ball guided
V = No cage
X = Any cage acceptable

Shields and seals

P = Permanently fastened shield
D = Removable contact seal
H = Labyrinth seal
G = Contact seal, any type
X = Spacer used when no closure required

Bearing ring modification

G = Snap ring in normal position
C = Snap ring in opposite position
N = Snap ring groove, less snap ring
A = Snap ring groove in opposite position, less snap ring

Duplex mounting

D = Universally ground single bearing (DU)
R = DB pair
U = DF pair
T = DT pair

Section 3

Internal fit

0 = Normal (ST)
2 = Tight (TI)
3 = Loose (LO)
4 = Extra loose (XL)
5 = Greater than symbol 4

Duplex bearings

7 = Light preload
8 = Medium preload
9 = Heavy preload

Tolerance

0 = ABEC-1
6 = ABEC-3
5 = ABEC-5
4 = ABEC-7
2 = ABEC-9

Section 4

Lubricant

X = Manufacturers standard
A = Specific lube to satisfy a particular condition

Section 5

Special requirements

See following page

*Radial type, 0° contact angle substitute 5000M.
**Radial type, 0° contact angle substitute 5000C.

Section 5

Special requirements

08 = High point of inner ring eccentricity marked on face
09 = High point of outer ring eccentricity marked on face
10 = High points of inner and outer ring eccentricities marked on faces
11 = Surfaces of all steel bearing parts coated by black iron oxide process
16 = Bore of inner ring copper plated, .0003 inches thick per side
17 = Bore of inner ring and outside surface of outer ring copper plated, .0003 inches thick per side
19 = Width tolerance for assembled bearing from thrust face of inner ring to opposite face of outer ring under applied end play gauging load 0 to -.005 inches
20 = Rings, rolling elements and cages made of stainless steel
25 = Inner and outer rings to be chrome plated
26 = Stabilize for size change of less than 0.010% at 300˚F after 2500 hours
28 = Stabilize for size change of less than 0.015% at 390˚F after 2500 hours
29 = Stabilize for size change of less than 0.015% at 480˚F after 2500 hours
30 = Stabilize for size change of less than 0.015% at 570˚F after 2500 hours
31 = Stabilize for size change of less than 0.015% at 660˚F after 2500 hours
100 = Government requirements not otherwise coded. Detailed information must be obtained from the appropriate government activity.

ABMA Identification Code Examples

210SFFG
50BC02JPPG30X
50 = Bore in mm
BC = Type S
02 = 200 Series
J = Pressed steel cage
PP = Two shields
G = Snap ring
3 = Loose fit (LO)
0 = ABEC-1
X = Standard lube

113KRDB
65BH10DXXR74
65 = Bore in mm
BH = Type R
10 = 100 series
D = Phenolic cage
XX = Spacers
R = DB pair
7 = Light preload
4 = ABEC-7

5307CFG
35BG03JPXG00
35 = Bore in mm
BG = Type 5000C
03 = 300 series
J = Pressed steel cage
P = Shield
X = Spacer
G = Snap ring
0 = Normal fit (ST)
0 = ABEC-1

318SG
90BC03KXXN4026
90 = Bore in mm
BC = Type S
03 = 300 series
K = Machined bronze cage
XX = Spacers
N = Snap ring groove, less snap ring
4 = Extra loose fit (XL)
0 = ABEC-1
26 = Stabilize for operation at 300˚F

7205DU
25BA02DXXD0
25 = Bore in mm
BA = Type 7000
02 = 200 series
D = Phenolic cage
XX = Spacers
D = DU, ½ pair
0 = ABEC-1

ABMA Number	Bearing Size
8BIC00X30	R8
8BIC10XD30	R8Z
8BIC10XDD30	R8ZZ
8BIC10XP30	R8F
8BIC10XPP30	R8FF
10BIC10X30	R10
10BIC10XD30	R10Z
10BIC10XDD30	R10ZZ
10BIC10XP30	R10F
10BIC10XPP30	R10FF
12BIC10X30	R12
12BIC10XD30	R12Z
12BIC10XDD30	R12ZZ
12BIC10XP30	R12F
12BIC10XPP30	R12FF
14BIC10X30	R14
14BIC10XD30	R14Z
14BIC10XDD30	R14ZZ
14BIC10XP30	R14F
14BIC10XPP30	R14FF
15BC02X30	202S
15BC02XD30	202SZ
15BC02XDD30	202SZZ
15BC02XDDG30	202SZZG
15BC02XDXG30	202SZG
15BC02XP30	202SF
15BC02XPP30	202SFF
15BC02XPPG30	202SFFG
15BC02XPXG30	202SFG
15BC02XXXG30	202SG
15BC03X30	302S
15BC03XD30	302SZ
15BC03XDD30	302SZZ
15BC03XDDG30	302SZZG
15BC03XDXG30	302SZG
15BC03XP30	302SF
15BC03XPP30	302SFF
15BC03XPPG30	302SFFG
15BC03XPXG30	302SFG
15BC03XXXG30	302SG
15BC10X30	102KS
15BC10XD30	102KSZ

ABMA Number	Bearing Size
15BC10XDD30	102KSZZ
15BC10XDDG30	102KSZZG
15BC10XDXG30	102KSZG
15BC10XPP30	102KSFF
15BC10XP30	102KSF
15BC10XPPG30	102KSFFG
15BC10XPXG30	102KSFG
15BC10XXXG30	102KSG
15BC19X30	1902S
15BC19XD30	1902SZ
15BC19XDD30	1902SZZ
15BC19XP30	1902SF
15BC19XPP30	1902SFF
15BC32XDD30	202SZZC
15BC32XDDG30	202SZZCG
15BC32XPP30	202SFFC
15BC32XPPG30	202SFFCG
15BC33XDD30	302SZZC
15BC33XDDG30	302SZZCG
15BC33XPP30	302SFFC
15BC33XPPG30	302SFFCG
16BIC10X30	R16
16BIC10XD30	R16Z
16BIC10XDD30	R16ZZ
16BIC10XP30	R16F
16BIC10XPP30	R16FF
17BC02X30	203S
17BC02XD30	203SZ
17BC02XDD30	203SZZ
17BC02XDDG30	203SZZG
17BC02XDXG30	203SZG
17BC02XP30	203SF
17BC02XPP30	203SFF
17BC02XPXG30	203SFG
17BC02XPPG30	203SFFG
17BC02XXXG30	203SG
17BC03X30	303S
17BC03XD30	303SZ
17BC03XDD30	303SZZ
17BC03XDDG30	303SZZG
17BC03XDXG30	303SZG
17BC03XP30	303SF

ABMA Number	Bearing Size
17BC03XPP30	303SFF
17BC03XPPG30	303SFFG
17BC03XPXG30	303SFG
17BC03XXXG30	303SG
17BC04X30	403S
17BC04XD30	403SZ
17BC04XDD30	403SZZ
17BC04XP30	403SF
17BC04XPP30	403SFF
17BC10X30	103KS
17BC10XD30	103KSZ
17BC10XDD30	103KSZZ
17BC10XDDG30	103KSZZG
17BC10XDXG30	103KSZG
17BC10XP30	103KSF
17BC10XPP30	103KSFF
17BC10XPPG30	103KSFFG
17BC10XPXG30	103KSFG
17BC10XXXG30	103KSG
17BC19X30	1903S
17BC19XD30	1903SZ
17BC19XDD30	1903SZZ
17BC19XP30	1903SF
17BC19XPP30	1903SFF
17BC32XDD30	203SZZC
17BC32XDDG30	203SZZCG
17BC32XPP30	203SFFC
17BC32XPPG30	203SFFCG
17BC33XDD30	303SZZC
17BC33XDDG30	303SZZCG
17BC33XPP30	303SFFC
17BC33XPPG30	303SFFCG
18BIC10X30	R18
18BIC10XD30	R18Z
18BIC10XDD30	R18ZZ
18BIC10XP30	R18F
18BIC10XPP30	R18FF
20BC02X30	204S
20BC02XD30	204SZ
20BC02XDD30	204SZZ
20BC02XDDG30	204SZZG
20BC02XDXG30	204SZG

ABMA Number	Bearing Size
20BC02XP30	204SF
20BC02XPP30	204SFF
20BC02XPPG30	204SFFG
20BC02XPXG30	204SFG
20BC02XXXG30	204SG
20BC03X30	304S
20BC03XD30	304SZ
20BC03XDD30	304SZZ
20BC03XDDG30	304SZZG
20BC03XDXG30	304SZG
20BC03XP30	304SF
20BC03XPP30	304SFF
20BC03XPPG30	304SFFG
20BC03XPXG30	304SFG
20BC03XXXG30	304SG
20BC04X30	404S
20BC04XD30	404SZ
20BC04XDD30	404SZZ
20BC04XP30	404SF
20BC04XPP30	404SFF
20BC10X30	104KS
20BC10XD30	104KSZ
20BC10XDD30	104KSZZ
20BC10XDDG30	104KSZZG
20BC10XDXG30	104KSZG
20BC10XP30	104KSF
20BC10XPP30	104KSFF
20BC10XPPG30	104KSFFG
20BC10XPXG30	104KSFG
20BC10XXXG30	104KSG
20BC19X30	1904S
20BC19XD30	1904SZ
20BC19XDD30	1904SZZ
20BC19XP30	1904SF
20BC19XPP30	1904SFF
20BC32XDD30	204SZZC
20BC32XDDG30	204SZZCG
20BC32XPP30	204SFFC
20BC32XPPG30	204SFFCG
20BC33XDD30	304SZZC
20BC33XDDG30	304SZZCG
20BC33XPP30	304SFFC

ABMA Number	Bearing Size
20BC33XPPG30	304SFFCG
20BIC10X30	R20
20BIC10XD30	R20Z
20BIC10XDD30	R20ZZ
20BIC10XP30	R20F
20BIC10XPP30	R20FF
24BIC10X30	R24
24BIC10XD30	R24Z
24BIC10XDD30	R24ZZ
24BIC10XP30	R24F
24BIC10XPP30	R24FF
25BC02X30	205S
25BC02XD30	205SZ
25BC02XDD30	205SZZ
25BC02XDDG30	205SZZG
25BC02XDXG30	205SZG
25BC02XP30	205SF
25BC02XPP30	205SFF
25BC02XPPG30	205SFFG
25BC02XPXG30	205SFG
25BC02XXXG30	205SG
25BC03X30	305S
25BC03XD30	305SZ
25BC03XDD30	305SZZ
25BC03XDDG30	305SZZG
25BC03XDXG30	305SZG
25BC03XP30	305SF
25BC03XPP30	305SFF
25BC03XPPG30	305SFFG
25BC03XPXG30	305SFG
25BC03XXXG30	305SG
25BC04X30	405S
25BC04XD30	405SZ
25BC04XDD30	405SZZ
25BC04XP30	405SF
25BC04XPP30	405SFF
25BC10X30	105KS
25BC10XD30	105KSZ
25BC10XDD30	105KSZZ
25BC10XDDG30	105KSZZG
25BC10XDXG30	105KSZG
25BC10XP30	105KSF

ABMA Number	Bearing Size
25BC10XPP30	105KSFF
25BC10XPPG30	105KSFFG
25BC10XPXG30	105KSFG
25BC10XXXG30	105KSG
25BC19X30	1905S
25BC19XD30	1905SZ
25BC19XDD30	1905SZZ
25BC19XP30	1905SF
25BC19XPP30	1905SFF
25BC32XDD30	205SZZC
25BC32XDDG30	205SZZCG
25BC32XPP30	205SFFC
25BC32XPPG30	205SFFCG
25BC33XDD30	305SZZC
25BC33XDDG30	305SZZCG
25BC33XPP30	305SFFC
25BC33XPPG30	305SFFCG
30BC02X30	206S
30BC02XD30	206SZ
30BC02XDD30	206SZZ
30BC02XDDG30	206SZZG
30BC02XDXG30	206SZG
30BC02XP30	206SF
30BC02XPP30	206SFF
30BC02XPPG30	206SFFG
30BC02XPXG30	206SFG
30BC02XXXG30	206SG
30BC03X30	306S
30BC03XD30	306SZ
30BC03XDD30	306SZZ
30BC03XDDG30	306SZZG
30BC03XDXG30	306SZG
30BC03XP30	306SF
30BC03XPP30	306SFF
30BC03XPPG30	306SFFG
30BC03XPXG30	306SFG
30BC03XXXG30	306SG
30BC04X30	406S
30BC04XD30	406SZ
30BC04XDD30	406SZZ
30BC04XP30	406SF
30BC04XPP30	406SFF

ABMA Number	Bearing Size
30BC10X30	106KS
30BC10XD30	106KSZ
30BC10XDD30	106KSZZ
30BC10XDDG30	106KSZZG
30BC10XDXG30	106KSZG
30BC10XP30	106KSF
30BC10XPP30	106KSFF
30BC10XPPG30	106KSFFG
30BC10XPXG30	106KSFG
30BC10XXXG30	106KSG
30BC19X30	1906S
30BC19XD30	1906SZ
30BC19XDD30	1906SZZ
30BC19XP30	1906SF
30BC19XPP30	1906SFF
30BC32XDD30	206SZZC
30BC32XDDG30	206SZZCG
30BC32XPP30	206SFFC
30BC32XPPG30	206SFFCG
30BC33XDD30	306SZZC
30BC33XDDG30	306SZZCG
30BC33XPP30	306SFFC
30BC33XPPG30	306SFFCG
35BC02X30	207S
35BC02XD30	207SZ
35BC02XDD30	207SZZ
35BC02XDDG30	207SZZG
35BC02XDXG30	207SZG
35BC02XP30	207SF
35BC02XPP30	207SFF
35BC02XPPG30	207SFFG
35BC02XPXG30	207SFG
35BC02XXXG30	207SG
35BC03X30	307S
35BC03XD30	307SZ
35BC03XDD30	307SZZ
35BC03XDDG30	307SZZG
35BC03XDXG30	307SZG
35BC03XP30	307SF
35BC03XPP30	307SFF
35BC03XPPG30	307SFFG
35BC03XPXG30	307SFG

ABMA Number	Bearing Size
35BC03XXXG30	307SG
35BC04X30	407S
35BC04XD30	407SZ
35BC04XDD30	407SZZ
35BC04XP30	407SF
35BC04XPP30	407SFF
35BC10X30	107KS
35BC10XD30	107KSZ
35BC10XDD30	107KSZZ
35BC10XDDG30	107KSZZG
35BC10XDXG30	107KSZG
35BC10XP30	107KSF
35BC10XPP30	107KSFF
35BC10XPPG30	107KSFFG
35BC10XPXG30	107KSFG
35BC10XXXG30	107KSG
35BC19X30	1907S
35BC19XD30	1907SZ
35BC19XDD30	1907SZZ
35BC19XP30	1907SF
35BC19XPP30	1907SFF
35BC32XDD30	207SZZC
35BC32XDDG30	207SZZCG
35BC32XPP30	207SFFC
35BC32XPPG30	207SFFCG
35BC33XDD30	307SZZC
35BC33XDDG30	307SZZCG
35BC33XPP30	307SFFC
35BC33XPPG30	307SFFCG
40BC02X30	208S
40BC02XD30	208SZ
40BC02XDD30	208SZZ
40BC02XDDG30	208SZZG
40BC02XDXG30	208SZG
40BC02XP30	208SF
40BC02XPP30	208SFF
40BC02XPPG30	208SFFG
40BC02XPXG30	208SFG
40BC02XXXG30	208SG
40BC03X30	308S
40BC03XD30	308SZ
40BC03XDD30	308SZZ

ABMA Number	Bearing Size
40BC03XDDG30	308SZZG
40BC03XDXG30	308SZG
40BC03XP30	308SF
40BC03XPP30	308SFF
40BC03XPPG30	308SFFG
40BC03XPXG30	308SFG
40BC03XXXG30	308SG
40BC04X30	408S
40BC04XD30	408SZ
40BC04XDD30	408SZZ
40BC04XP30	408SF
40BC04XPP30	408SFF
40BC10X30	108KS
40BC10XD30	108KSZ
40BC10XDD30	108KSZZ
40BC10XDDG30	108KSZZG
40BC10XDXG30	108KSZG
40BC10XP30	108KSF
40BC10XPP30	108KSFF
40BC10XPPG30	108KSFFG
40BC10XPXG30	108KSFG
40BC10XXXG30	108KSG
40BC19X30	1908S
40BC19XD30	1908SZ
40BC19XDD30	1908SZZ
40BC19XP30	1908SF
40BC19XPP30	1908SFF
40BC32XDD30	208SZZC
40BC32XDDG30	208SZZCG
40BC32XPP30	208SFFC
40BC32XPPG30	208SFFCG
40BC33XDD30	308SZZC
40BC33XDDG30	308SZZCG
40BC33XPP30	308SFFC
40BC33XPPG30	308SFFCG
45BC02X30	209S
45BC02XD30	209SZ
45BC02XDD30	209SZZ
45BC02XDDG30	209SZZG
45BC02XDXG30	209SZG
45BC02XP30	209SF
45BC02XPP30	209SFF

ABMA Number	Bearing Size
45BC02XPPG30	209SFFG
45BC02XPXG30	209SFG
45BC02XXXG30	209SG
45BC03X30	309S
45BC03XD30	309SZ
45BC03XDD30	309SZZ
45BC03XDDG30	309SZZG
45BC03XDXG30	309SZG
45BC03XP30	309SF
45BC03XPP30	309SFF
45BC03XPPG30	309SFFG
45BC03XPXG30	309SFG
45BC03XXXG30	309SG
45BC04X30	409S
45BC04XD30	409SZ
45BC04XDD30	409SZZ
45BC04XP30	409SF
45BC04XPP30	409SFF
45BC10X30	109KS
45BC10XD30	109KSZ
45BC10XDD30	109KSZZ
45BC10XDDG30	109KSZZG
45BC10XDXG30	109KSZG
45BC10XP30	109KSF
45BC10XPP30	109KSFF
45BC10XPPG30	109KSFFG
45BC10XPXG30	109KSFG
45BC10XXXG30	109KSG
45BC19X30	1909S
45BC19XD30	1909SZ
45BC19XDD30	1909SZZ
45BC19XP30	1909SF
45BC19XPP30	1909SFF
45BC32XDD30	209SZZC
45BC32XDDG30	209SZZCG
45BC32XPP30	209SFFC
45BC32XPPG30	209SFFCG
45BC33XDD30	309SZZC
45BC33XDDG30	309SZZCG
45BC33XPP30	309SFFC
45BC33XPPG30	309SFFCG
50BC02X30	210S

ABMA Number	Bearing Size
50BC02XD30	210SZ
50BC02XDD30	210SZZ
50BC02XDDG30	210SZZG
50BC02XDXG30	210SZG
50BC02XP30	210SF
50BC02XPP30	210SFF
50BC02XPPG30	210SFFG
50BC02XPXG30	210SFG
50BC02XXXG30	210SG
50BC03X30	310S
50BC03XD30	310SZ
50BC03XDD30	310SZZ
50BC03XDDG30	310SZZG
50BC03XDXG30	310SZG
50BC03XP30	310SF
50BC03XPP30	310SFF
50BC03XPPG30	310SFFG
50BC03XPXG30	310SFG
50BC03XXXG30	310SG
50BC04X30	410S
50BC04XD30	410SZ
50BC04XDD30	410SZZ
50BC04XP30	410SF
50BC04XPP30	410SFF
50BC10X30	110KS
50BC10XD30	110KSZ
50BC10XDD30	110KSZZ
50BC10XDDG30	110KSZZG
50BC10XDXG30	110KSZG
50BC10XP30	110KSF
50BC10XPP30	110KSFF
50BC10XPPG30	110KSFFG
50BC10XPXG30	110KSFG
50BC10XXXG30	110KSG
50BC19X30	1910S
50BC19XD30	1910SZ
50BC19XDD30	1910SZZ
50BC19XP30	1910SF
50BC19XPP30	1910SFF
50BC32XDD30	210SZZC
50BC32XDDG30	210SZZCG
50BC32XPP30	210SFFC

ABMA Number	Bearing Size
50BC32XSPPG30	210SFFCG
50BC33XDD30	310SZZC
50BC33XDDG30	310SZZCG
50BC33XPP30	310SFFC
50BC33XPPG30	310SFFCG
55BC02X30	211S
55BC02XD30	211SZ
55BC02XDD30	211SZZ
55BC02XDDG30	211SZZG
55BC02XDXG30	211SZG
55BC02XP30	211SF
55BC02XPP30	211SFF
55BC02XPPG30	211SFFG
55BC02XPXG30	211SFG
55BC02XXXG30	211SG
55BC03X30	311S
55BC03XD30	311SZ
55BC03XDD30	311SZZ
55BC03XDDG30	311SZZG
55BC03XDXG30	311SZG
55BC03PP30	311SFF
55BC03XP30	311SF
55BC03XPPG30	311SFFG
55BC03XPXG30	311SFG
55BC03XXXG30	311SG
55BC04X30	411S
55BC04XD30	411SZ
55BC04XDD30	411SZZ
55BC04XP30	411SF
55BC04XPP30	411SFF
55BC10X30	111KS
55BC10XD30	111KSZ
55BC10XDD30	111KSZZ
55BC10XDDG30	111KSZZG
55BC10XDXG30	111KSZG
55BC10XP30	111KSF
55BC10XPP30	111KSFF
55BC10XPPG30	111KSFFG
55BC10XPXG30	111KSFG
55BC10XXXG30	111KSG
55BC19X30	1911S
55BC19XD30	1911SZ

ABMA Number	Bearing Size
55BC19XDD30	1911SZZ
55BC19XP30	1911SF
55BC19XPP30	1911SFF
55BC32XDD30	211SZZC
55BC32XDDG30	211SZZCG
55BC32XPP30	211SFFC
55BC32XPPG30	211SFFCG
55BC33XDD30	311SZZC
55BC33XDDG30	311SZZCG
55BC33XPP30	311SFFC
55BC33XPPG30	311SFFCG
60BC02X30	212S
60BC02XD30	212SZ
60BC02XDD30	212SZZ
60BC02XDDG30	212SZZG
60BC02XDXG30	212SZG
60BC02XP30	212SF
60BC02XPP30	212SFF
60BC02XPPG30	212SFFG
60BC02XPXG30	212SFG
60BC02XXXG30	212SG
60BC03X30	312S
60BC03XD30	312SZ
60BC03XDD30	312SZZ
60BC03XDDG30	312SZZG
60BC03XDXG30	312SZG
60BC03XP30	312SF
60BC03XPP30	312SFF
60BC03XPPG30	312SFFG
60BC03XPXG30	312SFG
60BC03XXXG30	312SG
60BC04X30	412S
60BC04XD30	412SZ
60BC04XDD30	412SZZ
60BC04XP30	412SF
60BC04XPP30	412SFF
60BC10X30	112KS
60BC10XD30	112KSZ
60BC10XDD30	112KSZZ
60BC10XDDG30	112KSZZG
60BC10XDXG30	112KSZG
60BC10XP30	112KSF

ABMA Number	Bearing Size
60BC10XPP30	112KSFF
60BC10XPPG30	112KSFFG
60BC10XPXG30	112KSFG
60BC10XXXG30	112KSG
60BC19X30	1912S
60BC19XD30	1912SZ
60BC19XDD30	1912SZZ
60BC19XP30	1912SF
60BC19XPP30	1912SFF
60BC32XDD30	212SZZC
60BC32XDDG30	212SZZCG
60BC32XPP30	212SFFC
60BC32XPPG30	212SFFCG
60BC33XDD30	312SZZC
60BC33XDDG30	312SZZCG
60BC33XPP30	312SFFC
60BC33XPPG30	312SFFCG
65BC02X30	213S
65BC02XD30	213SZ
65BC02XDD30	213SZZ
65BC02XDDG30	213SZZG
65BC02XDXG30	213SZG
65BC02XP30	213SF
65BC02XPP30	213SFF
65BC02XPPG30	213SFFG
65BC02XPXG30	213SFG
65BC02XXXG30	213SG
65BC03X30	313S
65BC03XD30	313SZ
65BC03XDD30	313SZZ
65BC03XDDG30	313SZZG
65BC03XDXG30	313SZG
65BC03XP30	313SF
65BC03XPP30	313SFF
65BC03XPPG30	313SFFG
65BC03XPXG30	313SFG
65BC03XXXG30	313SG
65BC04X30	413S
65BC04XD30	413SZ
65BC04XDD30	413SZZ
65BC04XP30	413SF
65BC04XPP30	413SFF

ABMA Number	Bearing Size
65BC10X30	113KS
65BC10XD30	113KSZ
65BC10XDD30	113KSZZ
65BC10XDDG30	113KSZZG
65BC10XDXG30	113KSZG
65BC10XP30	113KSF
65BC10XPP30	113KSFF
65BC10XPPG30	113KSFFG
65BC10XPXG30	113KSFG
65BC10XXXG30	113KSG
65BC19X30	1913S
65BC19XD30	1913SZ
65BC19XDD30	1913SZZ
65BC19XP30	1913SF
65BC19XPP30	1913SFF
65BC32XDD30	213SZZC
65BC32XDDG30	213SZZCG
65BC32XPP30	213SFFC
65BC32XPPG30	213SFFCG
65BC33XDD30	313SZZC
65BC33XDDG30	313SZZCG
65BC33XPP30	313SFFC
65BC33XPPG30	313SFFCG
70BC02X30	214S
70BC02XD30	214SZ
70BC02XDD30	214SZZ
70BC02XDDG30	214SZZG
70BC02XDXG30	214SZG
70BC02XP30	214SF
70BC02XPP30	214SFF
70BC02XPPG30	214SFFG
70BC02XPXG30	214SFG
70BC02XXXG30	214SG
70BC03X30	314S
70BC03XD30	314SZ
70BC03XDD30	314SZZ
70BC03XDDG30	314SZZG
70BC03XDXG30	314SZG
70BC03XP30	314SF
70BC03XPP30	314SFF
70BC03XPPG30	314SFFG
70BC03XPXG30	314SFG

ABMA Number	Bearing Size
70BC03XXXG30	314SG
70BC04X30	414S
70BC04XD30	414SZ
70BC04XDD30	414SZZ
70BC04XP30	414SF
70BC04XPP30	414SFF
70BC10X30	114KS
70BC10XD30	114KSZ
70BC10XDD30	114KSZZ
70BC10XDDG30	114KSZZG
70BC10XDXG30	114KSZG
70BC10XP30	114KSF
70BC10XPP30	114KSFF
70BC10XPPG30	114KSFFG
70BC10XPXG30	114KSFG
70BC10XXXG30	114KSG
70BC19X30	1914S
70BC19XD30	1914SZ
70BC19XDD30	1914SZZ
70BC19XP30	1914SF
70BC19XPP30	1914SFF
70BC32XDD30	214SZZC
70BC32XDDG30	214SZZCG
70BC32XPP30	214SFFC
70BC32XPPG30	214SFFCG
70BC33XDD30	314SZZC
70BC33XDDG30	314SZZCG
70BC33XPP30	314SFFC
70BC33XPPG30	314SFFCG
75BC02X30	215S
75BC02XD30	215SZ
75BC02XDD30	215SZZ
75BC02XDDG30	215SZZG
75BC02XDXG30	215SZG
75BC02XP30	215SF
75BC02XPP30	215SFF
75BC02XPPG30	215SFFG
75BC02XPXG30	215SFG
75BC02XXXG30	215SG
75BC03X30	315S
75BC03XD30	315SZ
75BC03XDD30	315SZZ

ABMA Number	Bearing Size
75BC03XDDG30	315SZZG
75BC03XDXG30	315SZG
75BC03XP30	315SF
75BC03XPP30	315SFF
75BC03XPPG30	315SFFG
75BC03XPXG30	315SFG
75BC03XXXG30	315SG
75BC04X30	415S
75BC04XD30	415SZ
75BC04XDD30	415SZZ
75BC04XP30	415SF
75BC04XPP30	415SFF
75BC10X30	115KS
75BC10XD30	115KSZ
75BC10XDD30	115KSZZ
75BC10XDDG30	115KSZZG
75BC10XDXG30	115KSZG
75BC10XP30	115KSF
75BC10XPP30	115KSFF
75BC10XPPG30	115KSFFG
75BC10XPXG30	115KSFG
75BC10XXXG30	115KSG
75BC19X30	1915S
75BC19XD30	1915SZ
75BC19XDD30	1915SZZ
75BC19XP30	1915SF
75BC19XPP30	1915SFF
75BC32XDD30	215SZZC
75BC32XDDG30	215SZZCG
75BC32XPP30	215SFFC
75BC32XPPG30	215SFFCG
75BC33XDD30	315SZZC
75BC33XDDG30	315SZZCG
75BC33XPP30	315SFFC
75BC33XPPG30	315SFFCG
80BC02X30	216S
80BC02XD30	216SZ
80BC02XDD30	216SZZ
80BC02XDDG30	216SZZG
80BC02XDXG30	216SZG
80BC02XP30	216SF
80BC02XPP30	216SFF

ABMA Number	Bearing Size
80BC02XPPG30	216SFFG
80BC02XPXG30	216SFG
80BC02XXXG30	216SG
80BC03X30	316S
80BC03XD30	316SZ
80BC03XDD30	316SZZ
80BC03XDDG30	316SZZG
80BC03XDXG30	316SZG
80BC03XP30	316SF
80BC03XPP30	316SFF
80BC03XPPG30	316SFFG
80BC03XPXG30	316SFG
80BC03XXXG30	316SG
80BC04X30	416S
80BC04XD30	416SZ
80BC04XDD30	416SZZ
80BC04XP30	416SF
80BC04XPP30	416SFF
80BC10X30	116KS
80BC10XD30	116KSZ
80BC10XDD30	116KSZZ
80BC10XDDG30	116KSZZG
80BC10XDXG30	116KSZG
80BC10XP30	116KSF
80BC10XPP30	116KSFF
80BC10XPPG30	116KSFFG
80BC10XPXG30	116KSFG
80BC10XXXG30	116KSG
80BC19X30	1916S
80BC19XD30	1916SZ
80BC19XDD30	1916SZZ
80BC19XP30	1916SF
80BC19XPP30	1916SFF
80BC32XDD30	216SZZC
80BC32XDDG30	216SZZCG
80BC32XPP30	216SFFC
80BC32XPPG30	216SFFCG
80BC33XDD30	316SZZC
80BC33XDDG30	316SZZCG
80BC33XPP30	316SFFC
80BC33XPPG30	316SFFCG
85BC02X30	217S

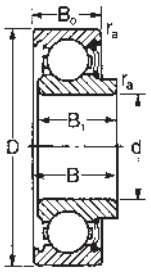
ABMA Number	Bearing Size
85BC02XD30	217SZ
85BC02XDD30	217SZZ
85BC02XDDG30	217SZZG
85BC02XDXG30	217SZG
85BC02XP30	217SF
85BC02XPP30	217SFF
85BC02XPPG30	217SFFG
85BC02XPXG30	217SFG
85BC02XXXG30	217SG
85BC03X30	317S
85BC03XD30	317SZ
85BC03XDD30	317SZZ
85BC03XDDG30	317SZZG
85BC03XDXG30	317SZG
85BC03XP30	317SF
85BC03XPP30	317SFF
85BC03XPPG30	317SFFG
85BC03XPXG30	317SFG
85BC03XXXG30	317SG
85BC04X30	417S
85BC04XD30	417SZ
85BC04XDD30	417SZZ
85BC04XP30	417SF
85BC04XPP30	417SFF
85BC10X30	117KS
85BC10XD30	117KSZ
85BC10XDD30	117KSZZ
85BC10XDDG30	117KSZZG
85BC10XDXG30	117KSZG
85BC10XP30	117KSF
85BC10XPP30	117KSFF
85BC10XPPG30	117KSFFG
85BC10XPXG30	117KSFG
85BC10XXXG30	117KSG
85BC19X30	1917S
85BC19XD30	1917SZ
85BC19XDD30	1917SZZ
85BC19XP30	1917SF
85BC19XPP30	1917SFF
85BC32XDD30	217SZZC
85BC32XDDG30	217SZZCG
85BC32XPP30	217SFFC

ABMA Number	Bearing Size
85BC32XPPG30	217SFFCG
85BC33XDD30	317SZZC
85BC33XDDG30	317SZZCG
85BC33XPP30	317SFFC
85BC33XPPG30	317SFFCG
90BC02X30	218S
90BC02XD30	218SZ
90BC02XDD30	218SZZ
90BC02XDDG30	218SZZG
90BC02XDXG30	218SZG
90BC02XP30	218SF
90BC02XPP30	218SFF
90BC02XPPG30	218SFFG
90BC02XPXG30	218SFG
90BC02XXXG30	218SG
90BC03X30	318S
90BC03XD30	318SZ
90BC03XDD30	318SZZ
90BC03XDDG30	318SZZG
90BC03XDXG30	318SZG
90BC03XP30	318SF
90BC03XPP30	318SFF
90BC03XPPG30	318SFFG
90BC03XPXG30	318SFG
90BC03XXXG30	318SG
90BC04X30	418S
90BC04XD30	418SZ
90BC04XDD30	418SZZ
90BC04XP30	418SF
90BC04XPP30	418SFF
90BC10X30	118KS
90BC10XD30	118KSZ
90BC10XDD30	118KSZZ
90BC10XDDG30	118KSZZG
90BC10XDXG30	118KSZG
90BC10XP30	118KSF
90BC10XPP30	118KSFF
90BC10XPPG30	118KSFFG
90BC10XPXG30	118KSFG
90BC10XXXG30	118KSG
90BC19X30	1918S
90BC19XD30	1918SZ

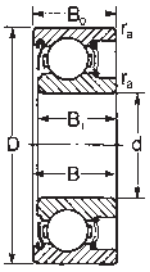
ABMA Number	Bearing Size
90BC19XDD30	1918SZZ
90BC19XP30	1918SF
90BC19XPP30	1918SFF
90BC32XDD30	218SZZC
90BC32XDDG30	218SZZCG
90BC32XPP30	218SFFC
90BC32XPPG30	218SFFCG
90BC33XDD30	318SZZC
90BC33XDDG30	318SZZCG
90BC33XPP30	318SFFC
90BC33XPPG30	318SFFCG
95BC02X30	219S
95BC02XD30	219SZ
95BC02XDD30	219SZZ
95BC02XDDG30	219SZZG
95BC02XDXG30	219SZG
95BC02XP30	219SF
95BC02XPP30	219SFF
95BC02XPPG30	219SFFG
95BC02XPXG30	219SFG
95BC02XXXG30	219SG
95BC03X30	319S
95BC03XD30	319SZ
95BC03XDD30	319SZZ
95BC03XDDG30	319SZZG
95BC03XDXG30	319SZG
95BC03XP30	319SF
95BC03XPP30	319SFF
95BC03XPPG30	319SFFG
95BC03XPXG30	319SFG
95BC03XXXG30	319SG
95BC04X30	419S
95BC04XD30	419SZ
95BC04XDD30	419SZZ
95BC04XP30	419SF
95BC04XPP30	419SFF
95BC10X30	119KS
95BC10XD30	119KSZ
95BC10XDD30	119KSZZ
95BC10XDDG30	119KSZZG
95BC10XDXG30	119KSZG
95BC10XP30	119KSF

ABMA Number	Bearing Size
95BC10XPP30	119KSFF
95BC10XPPG30	119KSFFG
95BC10XPXG30	119KSFG
95BC10XXXG30	119KSG
95BC19X30	1919S
95BC19XD30	1919SZ
95BC19XDD30	1919SZZ
95BC19XP30	1919SF
95BC19XPP30	1919SFF
95BC32XDD30	219SZZC
95BC32XDDG30	219SZZCG
95BC32XPP30	219SFFC
95BC32XPPG30	219SFFCG
95BC33XDD30	319SZZC
95BC33XDDG30	319SZZCG
95BC33XPP30	319SFFC
95BC33XPPG30	319SFFCG
100BC02X30	220S
100BC02XD30	220SZ
100BC02XDD30	220SZZ
100BC02XDDG30	220SZZG
100BC02XDXG30	220SZG
100BC02XP30	220SF
100BC02XPP30	220SFF
100BC02XPPG30	220SFFG
100BC02XPXG30	220SFG
100BC02XXXG30	220SG
100BC03X30	320S
100BC03XD30	320SZ
100BC03XDD30	320SZZ
100BC03XDDG30	320SZZG
100BC03XDXG30	320SZG
100BC03XP30	320SF
100BC03XPP30	320SFF
100BC03XPPG30	320SFFG
100BC03XPXG30	320SFG
100BC03XXXG30	320SG
100BC04X30	420S
100BC04XD30	420SZ
100BC04XDD30	420SZZ
100BC04XP30	420SF
100BC04XPP30	420SFF

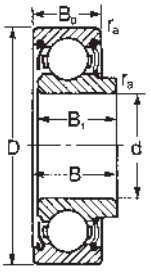
ABMA Number	Bearing Size
100BC10X30	120KS
100BC10XD30	120KSZ
100BC10XDD30	120KSZZ
100BC10XDDG30	120KSZZG
100BC10XDXG30	120KSZG
100BC10XP30	120KSF
100BC10XPP30	120KSFF
100BC10XPPG30	120KSFFG
100BC10XPXG30	120KSFG
100BC10XXXG30	120KSG
100BC19X30	1920S
100BC19XD30	1920SZ
100BC19XDD30	1920SZZ
100BC19XP30	1920SF
100BC19XPP30	1920SFF
100BC32XDD30	220SZZC
100BC32XDDG30	220SZZCG
100BC32XPP30	220SFFC
100BC32XPPG30	220SFFCG
100BC33XDD30	320SZZC
100BC33XDDG30	320SZZCG
100BC33XPP30	320SFFC
100BC33XPPG30	320SFFCG



8000
One Seal



WC87000
Shield & Seal

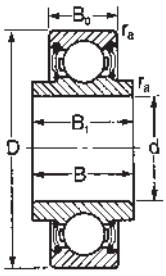


87000
Shield & Seal

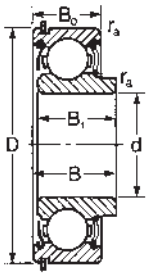
MRC Felt Seal Replacement Bearings have synthetic rubber seals.

MRC Bearing Number	Old MRC Bearing Number	Bore d		Outside Diameter D		Width B_0		B_1		B		Fillet Radius[1] r_a		ZD[2]		Basic Radial Load Rating Dynamic C[3]		Static C_0		Speed Rating[2] Single and Double Sealed Grease
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	N	lbf	N	lbf	RPM
8008	38FS1	8	**.3150**	24	**.9449**	8	**.315**	9.8	**.386**	10.3	**.406**	.30	**.012**	110	**.17**	3 320	**746**	1 430	**321**	23 000
8013	201FS2	13	**.5118**	32	**1.2598**	10	**.394**	12.2	**.480**	12.7	**.500**	.64	**.025**	245	**.38**	6 890	**1 550**	3 050	**686**	15 000
8014	202FS1	14	**.5512**	35	**1.3780**	11	**.433**	12.2	**.480**	12.7	**.500**	.64	**.025**	284	**.44**	7 610	**1 710**	3 650	**821**	13 000
8016	202FS3	16	**.6299**	35	**1.3780**	11	**.433**	12.2	**.480**	12.7	**.500**	.64	**.025**	284	**.44**	7 610	**1 710**	3 650	**821**	13 000
8026	205FS3	26	**1.0236**	52	**2.0472**	15	**.591**	15.2	**.600**	15.9	**.625**	1.0	**.040**	568	**.88**	14 000	**3 150**	8 000	**1 800**	8 500
8038	38FS	8	**.3150**	22	**.8661**	8	**.315**	9.8	**.386**	10.3	**.406**	.30	**.012**	110	**.17**	3 320	**746**	1 370	**308**	23 000
8500	200FS	10	**.3937**	30	**1.1811**	9	**.354**	12.2	**.480**	12.7	**.500**	.64	**.025**	155	**.24**	5 070	**1 140**	2 400	**540**	17 000
8501	201FS	12	**.4724**	32	**1.2598**	10	**.394**	12.2	**.480**	12.7	**.500**	.64	**.025**	245	**.38**	6 760	**1 520**	3 050	**685**	15 000
8502	202FS	15	**.5906**	35	**1.3780**	11	**.433**	12.2	**.480**	12.7	**.500**	.64	**.025**	277	**.43**	7 610	**1 710**	3 750	**843**	13 000
8503	203FS	17	**.6693**	40	**1.5748**	12	**.472**	13.7	**.538**	14.3	**.563**	.64	**.025**	361	**.56**	9 560	**2 150**	4 800	**1 080**	12 000
8504	204FS	20	**.7874**	47	**1.8504**	14	**.551**	15.2	**.600**	15.9	**.625**	1.0	**.040**	503	**.78**	13 000	**2 920**	6 700	**1 510**	10 000
8505	205FS	25	**.9843**	52	**2.0472**	15	**.591**	15.2	**.600**	15.9	**.625**	1.0	**.040**	568	**.88**	14 000	**3 150**	8 000	**1 800**	8 500
8506	206FS	30	**1.1811**	62	**2.4409**	16	**.630**	19	**.748**	20	**.787**	1.0	**.040**	813	**1.26**	19 500	**4 380**	11 400	**2 560**	7 500
8507	207FS	35	**1.3780**	72	**2.8346**	17	**.669**	20	**.787**	21	**.827**	1.0	**.040**	1 109	**1.72**	25 500	**5 730**	15 300	**3 440**	6 300
8508	208FS	40	**1.5748**	80	**3.1496**	21	**.827**	24	**.945**	24	**.945**	1.0	**.040**	1 320	**2.05**	29 100	**6 540**	18 000	**4 050**	5 600
8605	305FS	25	**.9843**	62	**2.4409**	17	**.669**	21	**.827**	21	**.827**	1.0	**.040**	632	**.98**	15 900	**3 570**	8 000	**1 800**	7 500
WC87008	38FSF2	8	**.3150**	24	**.9449**	10.3	**.406**	9.8	**.386**	10.3	**.406**	.30	**.012**	110	**.17**	3 320	**746**	1 430	**321**	23 000
WC87016		16	**.6299**	35	**1.3780**	12.7	**.500**	12.2	**.480**	12.7	**.500**	.64	**.025**	284	**.44**	7 610	**1 710**	3 750	**843**	13 000
WC87500	200FSF1	10	**.3937**	30	**1.1811**	12.7	**.500**	12.2	**.480**	12.7	**.500**	.64	**.025**	155	**.24**	5 070	**1 140**	2 400	**540**	17 000
WC87501	201FSF1	12	**.4724**	32	**1.2598**	12.7	**.500**	12.2	**.480**	12.7	**.500**	.64	**.025**	245	**.38**	6 890	**1 550**	2 400	**540**	15 000
WC87502	202FSF1	15	**.5906**	35	**1.3780**	12.7	**.500**	12.2	**.480**	12.7	**.500**	.64	**.025**	277	**.43**	7 610	**1 710**	3 750	**843**	13 000
WC87503	203FSF1	17	**.6693**	40	**1.5748**	14.3	**.563**	13.7	**.538**	14.3	**.563**	.64	**.025**	361	**.56**	9 560	**2 150**	4 800	**1 080**	12 000
WC87504	204FSF1	20	**.7874**	47	**1.8504**	15.9	**.625**	15.2	**.600**	15.9	**.625**	1.0	**.040**	503	**.78**	13 000	**2 920**	6 700	**1 510**	10 000
87007	37FSF1	7	**.2756**	24	**.9449**	8	**.315**	9.8	**.386**	10.3	**.406**	.30	**.012**	110	**.17**	3 320	**746**	1 430	**321**	23 000
87008	38FSF1	8	**.3150**	24	**.9449**	8	**.315**	9.8	**.386**	10.3	**.406**	.30	**.012**	110	**.17**	3 320	**746**	1 430	**321**	23 000
87013	201FSF3	13	**.5118**	32	**1.2598**	10	**.394**	12.2	**.480**	12.7	**.500**	.64	**.025**	245	**.38**	6 890	**1 550**	3 050	**686**	15 000
87014		14	**.5512**	35	**1.3780**	11	**.433**	12.2	**.480**	12.7	**.500**	.64	**.025**	284	**.44**	7 610	**1 710**	3 650	**821**	13 000
87016	202FSF4	16	**.6299**	35	**1.3780**	11	**.433**	12.2	**.480**	12.7	**.500**	.64	**.025**	284	**.44**	7 610	**1 710**	3 750	**843**	13 000
87026		26	**1.0236**	52	**2.0472**	15	**.591**	15.2	**.600**	15.9	**.625**	1.0	**.040**	568	**.88**	14 000	**3 150**	8 000	**1 800**	8 500
87036	36FSF	6	**.2362**	19	**.7480**	8	**.315**	9.8	**.386**	10.3	**.406**	.30	**.012**	97	**.15**	2 810	**632**	1 080	**243**	26 000
87037	37FSF	7	**.2756**	22	**.8661**	8	**.315**	9.8	**.386**	10.3	**.406**	.30	**.012**	110	**.17**	3 320	**746**	1 340	**301**	23 000
87038	38FSF	8	**.3150**	22	**.8661**	8	**.315**	9.8	**.386**	10.3	**.406**	.30	**.012**	110	**.17**	3 320	**746**	1 370	**308**	23 000
87500	200FSF	10	**.3937**	30	**1.1811**	9	**.354**	12.2	**.480**	12.7	**.500**	.64	**.025**	155	**.24**	5 070	**1 140**	2 400	**540**	17 000
87501	201FSF	12	**.4724**	32	**1.2598**	9	**.394**	12.2	**.480**	12.7	**.500**	.64	**.025**	245	**.38**	8 190	**1 840**	3 650	**821**	15 000
87502	202FSF	15	**.5906**	35	**1.3780**	11	**.433**	12.2	**.480**	12.7	**.500**	.64	**.025**	277	**.43**	7 610	**1 710**	3 750	**843**	13 000
87503	203FSF	17	**.6693**	40	**1.5748**	12	**.472**	13.7	**.538**	14.3	**.563**	.64	**.025**	361	**.56**	9 560	**2 150**	4 800	**1 080**	12 000
87504	204FSF	20	**.7874**	47	**1.8504**	14	**.551**	15.2	**.600**	15.9	**.625**	1.0	**.040**	503	**.78**	13 000	**2 920**	6 700	**1 510**	10 000
87505	205FSF	25	**.9843**	52	**2.0472**	15	**.591**	15.2	**.600**	15.9	**.625**	1.0	**.040**	568	**.88**	14 000	**3 150**	8 000	**1 800**	8 500
87506	206FSF	30	**1.1811**	62	**2.4409**	16	**.630**	19	**.748**	20	**.787**	1.0	**.040**	813	**1.26**	19 500	**4 380**	11 400	**2 560**	7 500
87507	207FSF	35	**1.3780**	72	**2.8346**	17	**.669**	20	**.787**	21	**.827**	1.0	**.040**	1 110	**1.72**	25 500	**5 730**	15 300	**3 440**	6 300
87508	208FSF	40	**1.5748**	80	**3.1496**	21	**.827**	24	**.945**	24	**.945**	1.0	**.040**	1 320	**2.05**	29 100	**6 540**	18 000	**4 050**	5 000

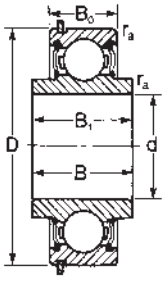
[1] Fillet radius indicates maximum fillet radius on shaft or in housing which bearing corner will clear.
[2] Listed values are for pressed steel or polyamide cage, ABEC-1.
The values have been determined through historical application and practice. For a more complete explanation, see page 274.
[3] Rating for one million revolutions or 500 hours at 33⅓ RPM.



88000
Two Seals



487000[4]
Shield, Seal
& Snap-Ring



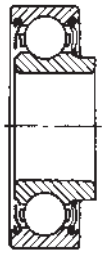
488000
Two Seals
& Snap-Ring

MRC Felt Seal Replacement Bearings have synthetic rubber seals.

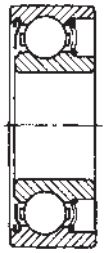
MRC Bearing Number	Old MRC Bearing Number	Bore d		Outside Diameter D		Width B_0		B_1		B		Fillet Radius[1] r_a		ZD[2]		Basic Radial Load Rating Dynamic C[3]		Static C_0		Speed Rating[2] Single and Double Sealed Grease
		mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	N	lbf	N	lbf	RPM
88007		7	**.2756**	24	**.9449**	8	**.315**	12.6	**.497**	12.6	**.497**	.30	**.012**	110	**.17**	3 320	**746**	1 430	**321**	23 000
88008	38FFS2	8	**.3150**	24	**.9449**	8	**.315**	12.6	**.497**	12.6	**.497**	.30	**.012**	110	**.17**	3 320	**746**	1 430	**321**	23 000
88009		9	**.3543**	30	**1.1811**	9	**.354**	16.4	**.646**	16.4	**.646**	.64	**.025**	155	**.24**	4 620	**1 040**	2 040	**459**	17 000
88011		11	**.4331**	32	**1.2598**	10	**.394**	15.4	**.606**	15.4	**.606**	.64	**.025**	245	**.38**	6 760	**1 520**	3 000	**674**	15 000
88013	201FFS2	13	**.5118**	32	**1.2598**	10	**.394**	15.4	**.606**	15.4	**.606**	.64	**.025**	245	**.38**	6 890	**1 550**	3 050	**686**	15 000
88016	202FFS5	16	**.6299**	35	**1.3780**	11	**.433**	14.4	**.567**	14.4	**.567**	.64	**.025**	284	**.44**	7 610	**1 710**	3 750	**843**	13 000
88500	200FFS	10	**.3937**	30	**1.1811**	9	**.354**	16.4	**.646**	16.4	**.646**	.64	**.025**	155	**.24**	5 070	**1 140**	2 400	**540**	17 000
88501	201FFS	12	**.4724**	32	**1.2598**	10	**.394**	15.4	**.606**	15.4	**.606**	.64	**.025**	245	**.38**	6 760	**1 520**	3 050	**685**	15 000
88502	202FFS	15	**.5906**	35	**1.3780**	11	**.433**	14.4	**.567**	14.4	**.567**	.64	**.025**	277	**.43**	7 610	**1 710**	3 750	**843**	13 000
88503	203FFS	17	**.6693**	40	**1.5748**	12	**.472**	16.6	**.654**	16.6	**.654**	.64	**.025**	361	**.56**	9 560	**2 150**	4 800	**1 080**	12 000
88504	204FFS	20	**.7874**	47	**1.8504**	14	**.551**	17.8	**.699**	17.8	**.699**	1.0	**.040**	503	**.78**	13 000	**2 920**	6 700	**1 510**	10 000
88505	205FFS	25	**.9843**	52	**2.0472**	15	**.591**	16.7	**.659**	16.7	**.659**	1.0	**.040**	568	**.88**	14 000	**3 150**	8 000	**1 800**	8 500
88506	206FFS	30	**1.1811**	62	**2.4409**	16	**.630**	24	**.945**	24	**.945**	1.0	**.040**	813	**1.26**	19 500	**4 380**	11 400	**2 560**	7 500
88507	207FFS	35	**1.3780**	72	**2.8346**	17	**.669**	25	**.984**	25	**.984**	1.0	**.040**	1 110	**1.72**	25 500	**5 730**	15 300	**3 440**	6 300
88508	208FFS	40	**1.5748**	80	**3.1496**	21	**.827**	27	**1.063**	27	**1.063**	1.0	**.040**	1 320	**2.05**	29 100	**6 540**	18 000	**4 050**	5 600
487502	G202FSF	15	**.5906**	35	**1.3780**	11	**.433**	12.2	**.480**	12.7	**.500**	.64	**.025**	277	**.43**	7 610	**1 710**	3 750	**843**	13 000
487503	G203FSF	17	**.6693**	40	**1.5748**	12	**.472**	13.7	**.538**	14.3	**.563**	.64	**.025**	361	**.56**	9 560	**2 150**	4 800	**1 080**	12 000
487508	G208FSF	40	**1.5748**	80	**3.1496**	21	**.827**	24	**.945**	24	**.945**	1.0	**.040**	1 320	**2.05**	29 100	**6 540**	18 000	**4 050**	5 600
488016	202FFS2G	16	**.6299**	35	**1.3780**	11	**.433**	14.4	**.567**	14.4	**.567**	.64	**.025**	284	**.44**	7 610	**1 710**	3 750	**843**	13 000
488502	202FFSG	15	**.5906**	35	**1.3780**	11	**.433**	14.4	**.567**	14.4	**.567**	.64	**.025**	277	**.43**	7 610	**1 710**	3 750	**843**	13 000
488503	203FFSG	17	**.6693**	40	**1.5748**	12	**.472**	16.6	**.654**	16.6	**.654**	.64	**.025**	361	**.56**	9 560	**2 150**	4 800	**1 080**	12 000
488504	204FFSG	20	**.7874**	47	**1.8504**	14	**.551**	17.8	**.699**	17.8	**.699**	1.0	**.040**	503	**.78**	13 000	**2 920**	6 700	**1 510**	10 000
488505	205FFSG	25	**.9843**	52	**2.0472**	15	**.591**	16.7	**.659**	16.7	**.659**	1.0	**.040**	568	**.88**	14 000	**3 150**	8 000	**1 800**	8 500
488506	206FFSG	30	**1.1811**	62	**2.4409**	16	**.630**	24	**.945**	24	**.945**	1.0	**.040**	813	**1.26**	19 500	**4 380**	11 400	**2 560**	7 500
488507	207FFSG	35	**1.3780**	72	**2.8346**	17	**.669**	25	**.984**	25	**.984**	1.0	**.040**	1 110	**1.72**	25 500	**5 730**	15 300	**3 440**	6 300
488508	208FFSG	40	**1.5748**	80	**3.1496**	21	**.827**	27	**1.063**	27	**1.063**	1.0	**.040**	1 320	**2.05**	29 100	**6 540**	18 000	**4 050**	5 600

[1] Fillet radius indicates maximum fillet radius on shaft or in housing which bearing corner will clear.
[2] Listed values are for pressed steel or polyamide cage, ABEC-1.
The values have been determined through historical application and practice. For a more complete explanation, see page 274.
[3] Rating for one million revolutions or 500 hours at 33⅓ RPM.
[4] Add suffix "V" when snap ring is on seal side.

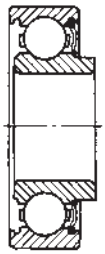
MRC Felt Seal Replacement Bearings have synthetic rubber seals.



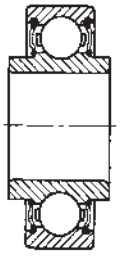
8000
One Seal



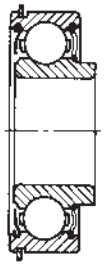
WC87000
Shield & Seal



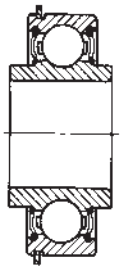
87000
Shield & Seal



88000
Two Seals



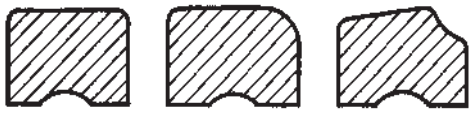
487000
Shield, Seal
& Snap-Ring



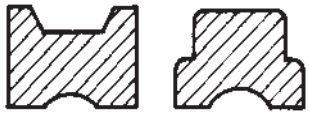
488000
Two Seals
& Snap-Ring

MRC Bearing Number	Basic Interchange BCA	FAF	NDH NTN
8008	—	38KVL	8008
8013	8013	—	8013
8014	—	202KL4	8014
8016	8016	202KL3	8016
8026	8026	—	8026
8038	—	38KL	8038
85008500	200KL	8500	
8501	8501	201KL	8501
8502	8502	202KL	8502
8503	8503	203KL	8503
8504	8504	204KL	8504
8505	8505	205KL	8505
8506	8506	206KL	8506
8507	8507	207KL	8507
8508	8508	—	8508
8605	8605	—	8605
WC87008	—	38KVTD	WC87008
WC87016	—	202KTD3	WC87016
WC87500	WC87500	200KTD	WC87500
WC87501	WC87501	201KTD	WC87501
WC87502	WC87502	202KTD	WC87502
WC87503	WC87503	203KTD8	WC87503
WC87504	WC87504	—	WC87504
87007	—	37KVLD	87007
87008	87008	38KVLD	87008
87013	87013	201KLD2	87013
87014	—	—	87014
87016	87016	202KLD3	87016
87026	—	—	87026
87036	—	36KLD	87036
87037	—	37KLD	87037
87038	—	38KLD	87038
87500	87500	200KLD	87500
87501	87501	201KLD	87501
87502	87502	202KLD	87502
87503	87503	203KLD	87503
87504	87504	204KLD	87504
87505	87505	205KLD	87505
87506	87506	206KLD	87506
87507	87507	207KLD	87507
87508	—	—	87508

MRC Bearing Number	Basic Interchange BCA	FAF	NDH NTN
88007	—	—	88007
88008	38KVLL2	88008	
88009	—	—	88009
88011	—	—	88011
88013	88013	201KLL3	88013
88016	88016	202KLL3	88016
88500	88500	200KLL2	88500
88501	88501	201KLL2	88501
88502	88502	202KLL2	88502
88503	88503	203KLL2	88503
88504	88504	204KLL2	88504
88505	88505	205KLL2	88505
88506	88506	206KLL	88506
88507	—	207KLL	88507
88508	88508	—	88508
487502	—	—	487502
487503	—	—	487503
487508	—	—	487508
488016	—	—	488016
488502	—	—	488502
488503	—	—	488503
488504	—	—	488504
488505	—	—	488505
488506	—	—	488506
488507	—	—	488507
488508	—	—	488508



Mast Guide Type



Chain Sheave Type

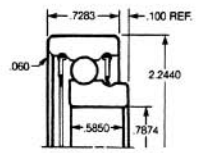
Outer Ring Design

Industrial truck mast guide ball bearings are a family of special bearings tailored to meet the requirements of the industrial truck industry. These bearings must be able to accommodate heavy radial loads, withstand heavy shock loads, and handle overturning moments produced by combined radial and thrust loads.

Special lubricants are selected to meet the rigorous demands of industrial truck service. To retain the lubricant and protect the bearing from adverse environmental conditions, the bearings are equipped with either synthetic rubber or polypropylene seals.

MRC Bearing Number	ZD [2]		Basic Radial Load Rating[1] Dynamic C[2]		Static C_0		Basic Interchange					
	mm	in	N	lbf	N	lbf	SKF	BCA	Hoover/NSK	McGill	NDH	Split
204SZZ27[3]	459	**.71**	18 600	**4 180**	65 500	**14 700**	BNTB316574	—	—	—	—	—
205SZZ29	610	**.95**	15 300	**3 440**	8 150	**1 830**	—	—	—	—	—	—
207SZZ20[3]	1 110	**1.72**	25 500	**5 730**	15 300	**3 440**	—	—	—	—	—	—
207SZZ31	1 110	**1.72**	25 500	**5 730**	15 300	**3 440**	—	—	—	—	—	—
208SZZ15[3]	1 450	**2.25**	52 700	**11 800**	216 000	**48 600**	—	MG207FFH	—	BB1705	—	TB104
305SZZ3	852	**1.32**	33 800	**7 600**	122 000	**27 400**	—	MG305DD	X421	BB849	ZMG605ATY1Z8	—
305SZZ6[3]	852	**1.32**	20 800	**6 770**	11 200	**2 520**	—	MG305DDA	—	—	—	—
306SZZ5[3]	1 290	**2.00**	48 800	**10 970**	18 000	**40 500**	361885	MG306DD	X555	—	—	—
307SZZ4[3]	1 590	**2.47**	60 500	**13 600**	216 000	**48 600**	—	—	—	—	—	—
307SZZ9[3]	1 590	**2.47**	60 500	**13 600**	216 000	**48 600**	—	MG307FFK	X549RS	—	—	—
307SZZ10	1 590	**2.47**	60 500	**13 600**	216 000	**48 600**	360858C	MG307FF	X3762S	BB816	Z99607BTY1Z8	—
307SZZ14[3]	1 590	**2.47**	60 500	**13 600**	216 000	**48 600**	—	—	—	—	—	—
307SZZ18[3]	1 590	**2.47**	60 500	**13 600**	216 000	**48 600**	—	—	—	—	—	—
307SZZ19[3]	1 590	**2.47**	60 500	**13 600**	216 000	**48 600**	—	—	—	—	—	—
308SZZ4[3]	2 020	**3.13**	72 800	**16 400**	280 000	**62 900**	—	—	—	—	—	—
308SZZ5[3]	2 020	**3.13**	72 800	**16 400**	280 000	**62 900**	362480	EX4989	—	BB1747	—	—
308SZZ6[3]	2 020	**3.13**	72 800	**16 400**	280 000	**62 900**	—	—	—	—	—	—
309SZZ1	2 440	**3.78**	87 100	**19 600**	345 000	**77 600**	—	MG309DD	—	BB850	—	—
309SZZ4	2 440	**3.78**	87 100	**19 600**	345 000	**77 600**	—	MG309DDA	X501RS	BB1652	ZMG609XRY1Z8	—
309SZZ5[3]	2 900	**4.50**	81 900	**18 400**	275 000	**61 800**	—	—	—	—	—	—
309SZZ9[3]	2 440	**3.78**	87 100	**19 600**	345 000	**77 600**	—	—	—	—	—	—
309SZZ12[3]	2 440	**3.78**	87 100	**19 600**	345 000	**77 600**	—	—	—	—	—	—
311SZZ1	3 410	**5.28**	71 500	**16 100**	44 000	**9 890**	—	—	—	BB16493	—	—
311SZZ2[3]	3 410	**5.28**	72 800	**16 400**	325 000	**73 100**	—	—	—	—	—	—
311SZZ5[3]	3 410	**5.28**	72 800	**16 400**	325 000	**73 100**	—	—	—	—	—	—

[1] Ratings shown have values modified to reflect raceway curvatures less than a total of 54%.
[2] Rating for one million revolutions or 500 hours at 33⅓ RPM.
[3] Check availability before designing into new equipment.



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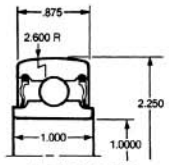

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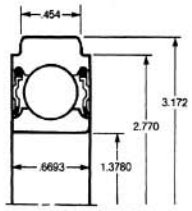

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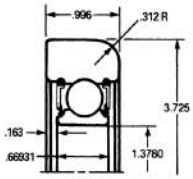

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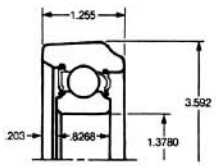

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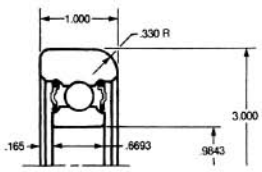
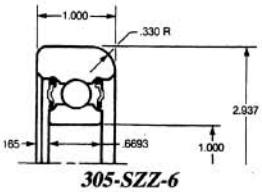
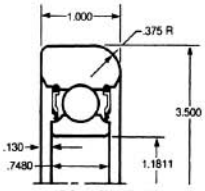


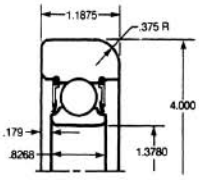
305-SZZ-3



305-SZZ-6



306-SZZ-5



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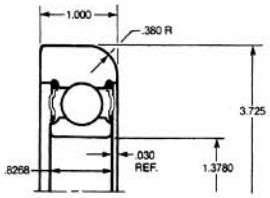

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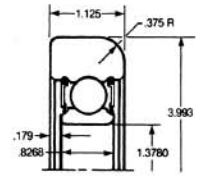

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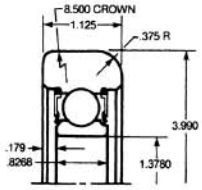

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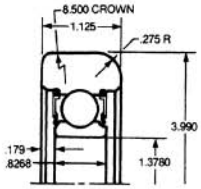

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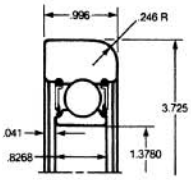

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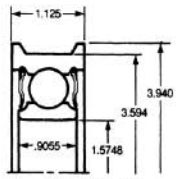

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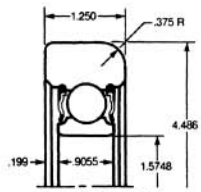

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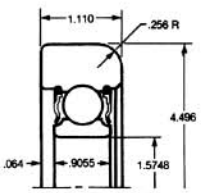

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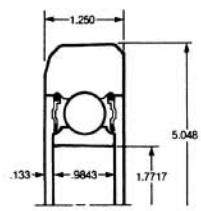

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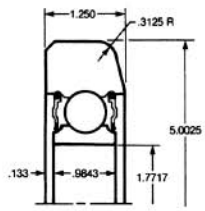

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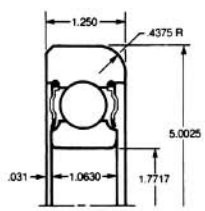

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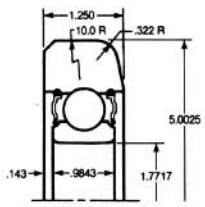

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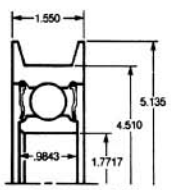

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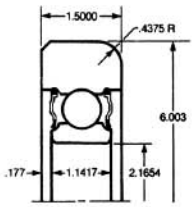

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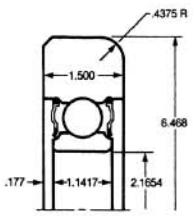

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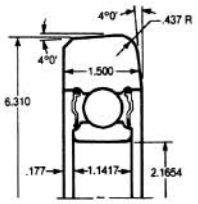


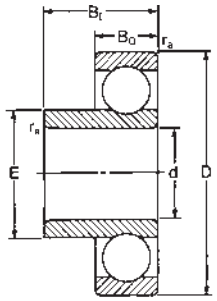
311-SZZ-5

Original Equipment Manufacturers Part Number Reference Guide

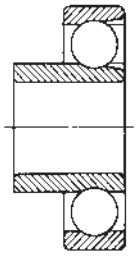
Original Equip. Part Number	MRC Bearing Number
Allis Chalmers	
1001732	**208-SZZ-15**
1002841-02	**5309-BZZ-1**
1005603	**309-SZZ-4**
4756413	**5206-BKFF-1**
4769905	**5306-BZZ-1**
4774102	**5108-BZZ-1**
4797550	**5209-BZZ-1**
4798050	**5210-BZZ-1**
4803599	**5109-BZZ-2**
4803665	**5109-BZZ-1**
4812920	**307-SZZ-9**
4817265	**207-SZZ-20**
4820659	**309-SZZ-4**
4832744	**311-SZZ-2**
4842106	**5209-BZZ-2**
4859065	**5109-BZZ-3**
4863104	**5309-RZZ-1**
48206693	**309-SZZ-4**
71005603	**309-SZZ-4**
8612154	**311-SZZ-5**
American Manufacturing Co.	
305-SZZ-3	**305-SZZ-3**
305-SZZ-6	**305-SZZ-6**
307-SZZ-10	**307-SZZ-10**
309-SZZ-4	**309-SZZ-4**
Arrow Fork Lift	
35A11111	**307-SZZ-8**
305-SZZ-3	**305-SZZ-3**
306-SZZ-5	**306-SZZ-5**
307-SZZ-10	**307-SZZ-10**
309-SZZ-1	**309-SZZ-1**
309-SZZ-4	**309-SZZ-4**
5108-BZZ-1	**5108-BZZ-1**
5208-BTZ-1	**5208-BTZ-1**
185531	**208-SZZ-16**
746623	**305-SZZ-3**
789401	**308-SZZ-1**
4812920	**307-SZZ-9**
Baker Material Handling	
102916	**206-SZZ-16**
104744	**309-SZZ-4**
105475	**306-SZZ-5**
105476	**204-SZZ-20**
120891	**307-SZZ-10**
504001	**307-SZZ-10**
504002	**309-SZZ-4**
Barrett Electronics	
A10650	**5306-BZZ-1**
A27690-2	**307-SZZ-10**

Original Equip. Part Number	MRC Bearing Number
Caterpillar Tractor	
091132	**307-SZZ-14**
308918	**305-SZZ-3**
314046	**309-SZZ-9**
314047	**309-SZZ-1**
346114	**308-SZZ-4**
371202	**307-SZZ-18**
Clark Equipment	
342957	**307-SZZ-10**
665619	**208-SZZ-9**
738752-J	**309-SZZ-1**
746623	**305-SZZ-3**
746624	**307-SZZ-10**
996829	**307-SZZ-10**
1654614	**309-SZZ-4**
1695854	**306-SZZ-5**
1697663	**311-SZZ-1**
1764714	**5316-SZZ-1**
2306335	**307-SZZ-11**
2306336	**305-SZZ-7**
2326653	**308-SZZ-5**
2357128	**309-SZZ-12**
2357723	**308-SZZ-6**
2359625	**204-SZZ-27**
2359446	**5309-BZZ-2**
2359447	**5307-BZZ-1**
Criterion Engineering Ltd.	
205-SZZ-29	**205-SZZ-29**
305-SZZ-6	**305-SZZ-6**
309-SZZ-4	**309-SZZ-4**
Crown Controls	
74020-B	**305-SZZ-3**
74668-1	**307-SZZ-10**
79943	**309-SZZ-4**
Dyna-Power Corporation	
R1	**307-SZZ-10**
Eaton Corporation	
260100-18-001-00	**307-SZZ-16**
Fiat-Allis	
74820659	**309-SZZ-4**
74832744	**311-SZZ-2**
Hyster	
87905	**307-SZZ-10**
89219	**5205-BKZZ-1**
129002	**5206-BKZZ-1**
143493	**5208-BKT-1**
185530	**208-SZZ-15**
185531	**208-SZZ-16**
186711	**5208-BTT-2**
193557	**5208-BTZ-1**
212956	**307-SZZ-10**
231020	**5207-BKZZ-1**

Original Equip. Part Number	MRC Bearing Number
K-D Manufacturing Co.	
R2	**309-SZZ-4**
R-186	**5309-RZZ-1**
R 5182	**308-SZZ-4**
307-SZZ-10	**307-SZZ-10**
309-SZZ-1	**309-SZZ-1**
Knickerbocker Co.	
30451	**307-SZZ-10**
30487	**305-SZZ-3**
30719	**309-SZZ-4**
Massey Ferguson	
311-SZZ-1	**311-SZZ-1**
672896M1	**309-SZZ-1**
Pettibone Corporation	
31486	**206-SZZ-16**
F11201	**307-SZZ-10**
Pettibone-Mercury	
30076	**206-SZZ-16**
33569	**309-SZZ-4**
33799	**307-SZZ-10**
Petti-Mulliken	
F11205	**307-SZZ-10**
P45900	**309-SZZ-4**
Raymond	
449033	**309-SZZ-4**
Schreck	
31-42014	**307-SZZ-10**
31-42015	**309-SZZ-4**
31-43450	**305-SZZ-3**
Taylor Machine Works	
309-SZZ-1	**309-SZZ-1**
Towmotor Corporation	
See Caterpillar Tractor	
White Farm Equipment	
20-3004059	**309-SZZ-5**
White Material Handling	
35A11111	**307-SZZ-8**
35A12631	**307-SZZ-10**
Wiggins Lift Co.	
307-SZZ-10	**307-SZZ-10**
309-SZZ-1	**309-SZZ-1**
309-SZZ-4	**309-SZZ-4**
311-SZZ-1	**311-SZZ-1**
311-SZZ-2	**311-SZZ-2**



SWI



WI

300SWI Non-Filling Notch Type *300WI Filling Notch Type*

To determine bearing life, refer to page 52 for SWI, and page 62 for WI.

MRC Bearing Number	Bore d		Outside Diameter D		Width B_0		Width B_1		E		Fillet[1] Radius r_a		ZD[2]		Basic Radial Load Rating Dynamic C[3]		Basic Radial Load Rating Static C_0		Speed Rating[2] Grease	Speed Rating[2] Oil
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	N	lbf	N	lbf	RPM	RPM
305SWI	25	**.9843**	62	**2.4409**	17	**.6693**	25.4	**1**	38.1	**1.499**	1.0	**.04**	850	**1.32**	20 800	**4 680**	11 200	**2 520**	11 000	14 000
306SWI	30	**1.1811**	72	**2.8346**	19	**.7480**	30.16	**1 3/16**	43.1	**1.698**	1.0	**.04**	1 290	**2.00**	29 600	**6 650**	16 600	**3 730**	9 000	11 000
307SWI	35	**1.3780**	80	**3.1496**	21	**.8268**	34.93	**1 3/8**	48.7	**1.917**	1.5	**.06**	1 630	**2.53**	36 400	**8 180**	20 800	**4 680**	8 500	10 000
309SWI	45	**1.7717**	100	**3.9370**	25	**.9843**	39.69	**1 9/16**	61.1	**2.405**	1.5	**.06**	2 440	**3.78**	52 700	**11 900**	31 500	**7 080**	6 700	8 000
310SWI	50	**1.9685**	110	**4.3307**	27	**1.0630**	44.45	**1 3/4**	67.5	**2.659**	2.0	**.08**	2 900	**4.50**	61 800	**13 900**	38 000	**8 540**	6 300	7 500
311SWI	55	**2.1654**	120	**4.7244**	29	**1.1417**	49.21	**1 15/16**	74.0	**2.915**	2.0	**.08**	3 410	**5.28**	71 500	**16 100**	45 000	**10 100**	5 600	6 700
313SWI	65	**2.5591**	140	**5.5118**	33	**1.2992**	58.74	**2 5/16**	85.1	**3.350**	2.0	**.08**	4 540	**7.03**	92 300	**20 800**	60 000	**13 500**	4 800	5 600
315SWI	75	**2.9528**	160	**6.2992**	37	**1.4567**	68.26	**2 11/16**	98.9	**3.895**	2.0	**.08**	6 530	**10.1**	121 000	**27 200**	85 000	**19 100**	4 300	5 000
318SWI	90	**3.5433**	190	**7.4803**	43	**1.6929**	73.03	**2 7/8**	121	**4.750**	2.5	**.10**	7 280	**11.3**	133 000	**29 900**	98 000	**22 000**	3 400	4 000
320SWI	100	**3.9370**	215	**8.4646**	47	**1.8504**	82.55	**3 1/4**	132	**5.210**	2.5	**.10**	11 600	**18.0**	182 000	**40 900**	150 000	**33 700**	3 000	3 600
308WI[4]	40	**1.5748**	90	**3.5433**	23	**.9055**	36.51	**1 7/16**	54.8	**2.159**	1.5	**.06**	2 770	**4.30**	46 800	**10 500**	36 000	**8 090**	6 200	7 500
311WI	55	**2.1654**	120	**4.7244**	29	**1.1417**	44.45	**1 3/4**	72.7	**2.863**	2.0	**.08**	4 690	**7.26**	74 800	**16 800**	61 000	**13 700**	4 600	5 600
312WI[4]	60	**2.3622**	130	**5.1181**	31	**1.2205**	53.98	**2 1/8**	79.1	**3.114**	2.0	**.08**	5 430	**8.42**	91 300	**20 500**	78 000	**17 500**	4 300	5 300
314WI[4]	70	**2.7559**	150	**5.9055**	35	**1.3780**	63.50	**2 1/2**	94.5	**3.719**	2.0	**.08**	7 740	**12.0**	114 000	**25 600**	102 000	**22 900**	3 700	4 500
315WI[4]	75	**2.9528**	160	**6.2992**	37	**1.4567**	68.26	**2 11/16**	101	**3.976**	2.0	**.08**	8 740	**13.6**	125 000	**28 000**	116 000	**26 000**	3 500	4 300
316WI[4]	80	**3.1496**	170	**6.6929**	39	**1.5354**	68.26	**2 11/16**	109	**4.282**	2.0	**.08**	9 470	**14.7**	138 000	**31 000**	129 000	**29 000**	3 300	4 000
318WI[4]	90	**3.5433**	190	**7.4803**	43	**1.6929**	73.03	**2 7/8**	121	**4.750**	2.5	**.10**	12 100	**18.8**	157 000	**35 300**	160 000	**36 000**	2 800	3 400

[1] Fillet radius indicates maximum fillet radius on shaft or in housing which bearing corner will clear.
[2] Listed values are for pressed steel or polyamide cage, ABEC-1.
The values have been determined through historical application and practice. For a more complete explanation, see page 274.
[3] Rating for one million revolutions or 500 hours at 33⅓ RPM.
[4] Check availability before designing into new equipment.