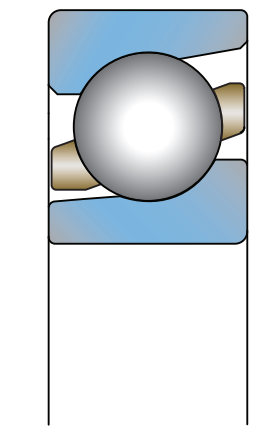


Flush Ground Angular Contact Ball Bearings

NACHI

BMBU Series



- Flush Ground Type
- Machined Brass Cage
- Improved Lubrication Flow

FLUSH GROUND for Versatility, Ease of Assembly, and Simplified Inventory Control

Any combination of NACHI Flush Ground Angular Contact Ball Bearings will provide the desired clearance. With the Universal Flush Grinding, bearings can be mounted as DB, DF, and DT pairs, or combined to form triplex and quadraplex sets.

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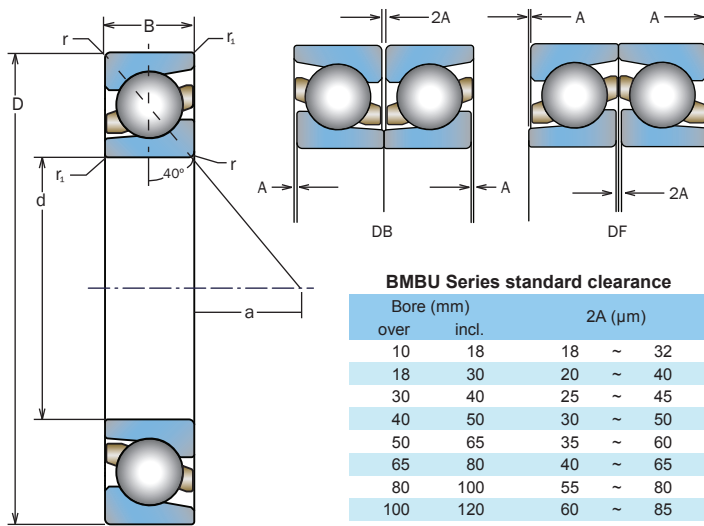
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NACHI

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Technical Information



BMBU Series standard clearance

Bore (mm)		2A (μm)	
over	incl.		
10	18	18	~ 32
18	30	20	~ 40
30	40	25	~ 45
40	50	30	~ 50
50	65	35	~ 60
65	80	40	~ 65
80	100	55	~ 80
100	120	60	~ 85
120	140	75	~ 105
140	150	85	~ 115

Note: Values are before mounting under no load condition

Bearing No.	Boundary Dimensions (mm)						Load Ratings	
	d	D	B	r _{min}	r _{1 min}	a	Dynamic	Static
7310BMBU	50	110	27	2.0	1.0	20.1	66,300	45,300
7311BMBU	55	120	29	2.0	1.0	22.3	76,600	53,300
7312BMBU	60	130	31	2.1	1.1	24.4	87,500	61,900
7313BMBU	65	140	33	2.1	1.1	26.6	99,100	71,200
7314BMBU	70	150	35	2.1	1.1	28.7	111,000	81,100
7315BMBU	75	160	37	2.1	1.1	30.9	121,000	91,700
7316BMBU	80	170	39	2.1	1.1	33.0	131,000	103,000
7317BMBU	85	180	41	3.0	1.1	35.2	141,000	115,000
7318BMBU	90	190	43	3.0	1.1	37.3	161,000	139,000
7319BMBU	95	200	45	3.0	1.1	39.5	172,000	153,000
7220BMBU	100	180	34	2.1	1.1	41.8	129,000	110,000
7320BMBU	100	215	47	3.0	1.1	42.7	196,000	180,000
7222BMBU	110	200	38	2.1	1.1	46.1	152,000	139,000
7322BMBU	110	240	50	3.0	1.1	48.5	231,000	227,000
7224BMBU	120	215	40	2.1	1.1	50.3	164,000	156,000
7226BMBU	130	230	40	3.0	1.1	55.5	184,000	186,000
7228BMBU	140	250	42	3.0	1.1	60.8	189,000	201,000
7230BMBU	150	270	45	3.0	1.1	65.6	233,000	263,000

Single Bearing	Load Rating C _r (lbf)	Axial Load (lbf) to achieve			Axial Load (lbf) to achieve		
		1 year bearing life (8,760 hours)			2 year bearing life (17,520 hours)		
		@ 900 RPM	@ 1200 RPM	@ 1800 RPM	@ 900 RPM	@ 1200 RPM	@ 1800 RPM
7310BMB	14,905	3,356	3,049	2,664	2,664	2,420	2,114
7311BMB	17,220	3,877	3,523	3,077	3,077	2,796	2,443
7312BMB	19,671	4,429	4,024	3,515	3,515	3,194	2,790
7313BMB	22,279	5,016	4,558	3,981	3,981	3,617	3,160
7314BMB	24,954	5,619	5,105	4,459	4,459	4,052	3,540
7315BMB	27,202	6,125	5,565	4,861	4,861	4,417	3,858
7316BMB	29,450	6,631	6,025	5,263	5,263	4,782	4,177
7317BMB	31,698	7,137	6,485	5,665	5,665	5,147	4,496
7318BMB	36,194	8,150	7,404	6,468	6,468	5,877	5,134
7319BMB	38,667	8,706	7,910	6,910	6,910	6,278	5,485
7220BMB	29,000	6,530	5,933	5,183	5,183	4,709	4,113
7320BMB	44,063	9,921	9,014	7,874	7,874	7,154	6,250
7222BMB	34,171	7,694	6,990	6,107	6,107	5,548	4,847
7322BMB	51,931	11,693	10,624	9,281	9,281	8,432	7,366
7224BMB	36,869	8,301	7,542	6,589	6,589	5,986	5,230
7226BMB	41,365	9,314	8,462	7,392	7,392	6,716	5,867
7228BMB	42,489	9,567	8,692	7,593	7,593	6,899	6,027
7230BMB	52,380	11,794	10,716	9,361	9,361	8,505	7,430

Duplex Bearing	Load Rating C _r (lbf)	Axial Load (lbf) to achieve			Axial Load (lbf) to achieve		
		1 year bearing life (8,760 hours)			2 year bearing life (17,520 hours)		
		@ 900 RPM	@ 1200 RPM	@ 1800 RPM	@ 900 RPM	@ 1200 RPM	@ 1800 RPM
7310BMB	24,146	3,356	3,049	2,664	2,664	2,420	2,114
7311BMB	27,897	3,877	3,523	3,077	3,077	2,796	2,443
7312BMB	31,867	4,429	4,024	3,515	3,515	3,194	2,790
7313BMB	36,091	5,016	4,558	3,981	3,981	3,617	3,160
7314BMB	40,425	5,619	5,105	4,459	4,459	4,052	3,540
7315BMB	44,067	6,125	5,565	4,861	4,861	4,417	3,858
7316BMB	47,709	6,631	6,025	5,263	5,263	4,782	4,177
7317BMB	51,351	7,137	6,485	5,665	5,665	5,147	4,496
7318BMB	58,635	8,150	7,404	6,468	6,468	5,877	5,134
7319BMB	62,641	8,706	7,910	6,910	6,910	6,278	5,485
7220BMB	46,981	6,530	5,933	5,183	5,183	4,709	4,113
7320BMB	71,381	9,921	9,014	7,874	7,874	7,154	6,250
7222BMB	55,357	7,694	6,990	6,107	6,107	5,548	4,847
7322BMB	84,128	11,693	10,624	9,281	9,281	8,432	7,366
7224BMB	59,727	8,301	7,542	6,589	6,589	5,986	5,230
7226BMB	67,011	9,314	8,462	7,392	7,392	6,716	5,867
7228BMB	68,832	9,567	8,692	7,593	7,593	6,899	6,027
7230BMB	84,856	11,794	10,716	9,361	9,361	8,505	7,430

Triplex Bearing	Load Rating C _r (lbf)	Axial Load (lbf) to achieve			Axial Load (lbf) to achieve		
		1 year bearing life (8,760 hours)			2 year bearing life (17,520 hours)		
		@ 900 RPM	@ 1200 RPM	@ 1800 RPM	@ 900 RPM	@ 1200 RPM	@ 1800 RPM
7310BMB	32,194	7,249	6,586	5,753	5,753	5,227	4,567
7311BMB	37,196	8,375	7,609	6,647	6,647	6,039	5,276
7312BMB	42,489	9,567	8,692	7,593	7,593	6,899	6,027
7313BMB	48,122	10,835	9,844	8,600	8,600	7,813	6,826
7314BMB	53,900	12,136	11,026	9,633	9,633	8,752	7,645
7315BMB	58,756	13,230	12,020	10,500	10,500	9,540	8,334
7316BMB	63,612	14,323	13,013	11,368	11,368	10,329	9,023
7317BMB	68,468	15,416	14,007	12,236	12,236	11,117	9,712
7318BMB	78,180	17,603	15,993	13,971	13,971	12,694	11,089
7319BMB	83,521	18,806	17,086	14,926	14,926	13,561	11,847
7220BMB	62,641	14,104	12,815	11,195	11,195	10,171	8,885
7320BMB	95,175	21,430	19,470	17,009	17,009	15,453	13,500
7222BMB	73,809	16,619	15,099	13,190	13,190	11,984	10,469
7322BMB	112,171	25,256	22,947	20,046	20,046	18,213	15,911
7224BMB	79,636	17,931	16,291	14,232	14,232	12,930	11,296
7226BMB	89,348	20,118	18,278	15,967	15,967	14,507	12,673
7228BMB	91,776	20,664	18,775	16,401	16,401	14,902	13,018
7230BMB	113,142	25,475	23,146	20,220	20,220	18,371	16,048

Quadplex Bearing	Load Rating C _r (lbf)	Axial Load (lbf) to achieve			Axial Load (lbf) to achieve		
		1 year bearing life (8,760 hours)			2 year bearing life (17,520 hours)		
		@ 900 RPM	@ 1200 RPM	@ 1800 RPM	@ 900 RPM	@ 1200 RPM	@ 1800 RPM
7310BMB	39,349	7,249	6,586	5,753	5,753	5,227	4,567
7311BMB	45,462	8,375	7,609	6,647	6,647	6,039	5,276
7312BMB	51,931	9,567	8,692	7,593	7,593	6,899	6,027
7313BMB	58,815	10,835	9,844	8,600	8,600	7,813	6,826
7314BMB	65,878	12,136	11,026	9,633	9,633	8,752	7,645
7315BMB	71,813	13,230	12,020	10,500	10,500	9,540	8,334
7316BMB	77,748	14,323	13,013	11,368	11,368	10,329	9,023
7317BMB	83,683	15,416	14,007	12,236	12,236	11,117	9,712
7318BMB	95,553	17,603	15,993	13,971	13,971	12,694	11,089
7319BMB	102,081	18,806	17,086	14,926	14,926	13,561	11,847
7220BMB	76,561	14,104	12,815	11,195	11,195	10,171	8,885
7320BMB	116,325	21,430	19,470	17,009	17,009	15,453	13,500
7222BMB	90,211	16,619	15,099	13,190	13,190	11,984	10,469
7322BMB	137,097	25,256	22,947	20,046	20,046	18,213	15,911
7224BMB	97,333	17,931	16,291	14,232	14,232	12,930	11,296
7226BMB	109,203	20,118	18,278	15,967	15,967	14,507	12,673
7228BMB	112,171	20,664	18,775	16,401	16,401	14,902	13,018
7230BMB	138,284	25,475	23,146	20,220	20,220	18,371	16,048