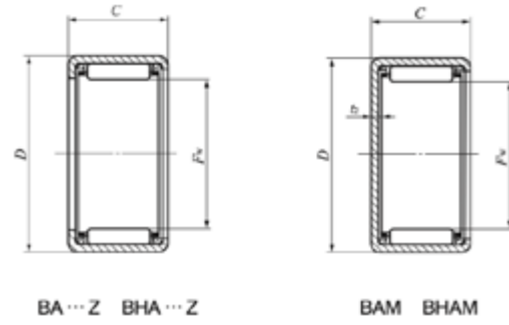


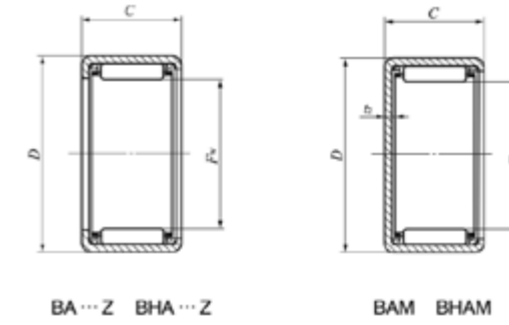
BA Series w/Oil Hole



BA...Z BHA...Z

BAM BHAM

BA Series w/Oil Hole



BA...Z BHA...Z

BAM BHAM

Shaft dia. mm (in)	Identification number				Boundary dimensions (mm) (inch)					Standard mounting dimensions (mm)				Basic dynamic load rating C N	Basic static load rating C0 N	Allowable rotational speed (1) rpm	Assembled inner ring
	Standard	Mass g	Closed end*	Mass g	Fw	D	C	t2 Max.		Shaft dia. h6		J7					
										Max	Min.	Max.	Min.				
6.350 (1/4)	BA 44	2.1	-	-	6.350 (1/4)	11.112 (7/16)	6.35(1/4)	1		6.35	6.341	11.122	11.104	1 770	1 390	55 000	-
	BA 45 Z	2.5	BAM 45	2.7	6.350 (1/4)	11.112 (7/16)	7.92 (1/32)	1		6.35	6.341	11.122	11.104	1 510	1 120	55 000	-
7.938 (5/16)	BA 57 Z	4.3	BAM 57	4.6	7.938 (5/16)	12.700 (1/2)	11.13 (7/16)	1		7.938	7.929	12.71	12.692	3 310	3 220	45 000	-
	BA 59 Z	5.4	BAM 59	5.7	7.938 (5/16)	12.700 (1/2)	14.27 (9/16)	1		7.938	7.929	12.71	12.692	4 190	4 360	45 000	-
9.525 (3/8)	BA 610 Z	7	BAM 610	7.4	9.525 (3/8)	14.288 (9/16)	15.88 (5/8)	1		9.525	9.516	14.298	14.28	5 660	6 700	40 000	-
	BA 66 Z	4.2	BAM 66	4.6	9.525 (3/8)	14.288 (9/16)	9.52 (3/8)	1		9.525	9.516	14.298	14.28	3 090	3 080	40 000	-
	BA 68 Z	5.7	BAM 68	6.1	9.525 (3/8)	14.288 (9/16)	12.70 (1/2)	1		9.525	9.516	14.298	14.28	4 190	4 560	40 000	-
11.112 (7/16)	BA 77 Z	5.6	BAM 77	6.2	11.112 (7/16)	15.875 (5/8)	11.13 (7/16)	1		11.112	11.101	15.885	15.867	4 150	4 680	35 000	-
	BA 78 Z	6.4	BAM 78	7	11.112 (7/16)	15.875 (5/8)	12.70 (1/2)	1		11.112	11.101	15.885	15.867	4 460	5 130	35 000	-
	BA 710 Z	7.9	BAM 710	8.5	11.112 (7/16)	15.875 (5/8)	15.88 (5/8)	1		11.112	11.101	15.885	15.867	6 020	7 550	35 000	-
12.700 (1/2)	BA 88 Z	7.2	BAM 88	7.9	12.700 (1/2)	17.462 (11/16)	12.70 (1/2)	1		12.7	12.689	17.472	17.454	4 710	5 700	30 000	IRB 58
	BA 810 Z	8.9	BAM 810	9.6	12.700 (1/2)	17.462 (11/16)	15.88 (5/8)	1		12.7	12.689	17.472	17.454	6 350	8 380	30 000	-
	BA 812 Z	10.6	BAM 812	11.3	12.700 (1/2)	17.462 (11/16)	19.05 (3/4)	1		12.7	12.689	17.472	17.454	7 840	11 000	30 000	-
14.288 (9/16)	BA 910 Z	9.9	BAM 910	10.8	14.288 (9/16)	19.05 (3/4)	15.88 (5/8)	1.3		14.288	14.277	19.062	19.041	7 050	9 910	30 000	-
	BA 912 Z	11.7	BAM 912	12.6	14.288 (9/16)	19.05 (3/4)	19.05 (3/4)	1.3		14.288	14.277	19.062	19.041	8 690	13 000	30 000	IRB 612
15.875 (5/8)	BA 1010 Z	10.8	BAM 1010	12	15.875 (5/8)	20.638 (13/16)	15.88 (5/8)	1.3		15.875	15.864	20.65	20.629	9 020	14 100	25 000	IRB 612-1
	BA 1012 Z	12.9	BAM 1012	14	15.875 (5/8)	20.638 (13/16)	19.05 (3/4)	1.3		15.875	15.864	20.65	20.629	10 700	17 500	25 000	IRB 714
	BA 1014 Z	15.1	BAM 1014	16.2	15.875 (5/8)	20.638 (13/16)	22.22 (7/8)	1.3		15.875	15.864	20.65	20.629	12 300	20 800	25 000	IRB 716
	BA 1016 Z	17.3	BAM 1016	18.4	15.875 (5/8)	20.638 (13/16)	25.4 (1)	1.3		15.875	15.864	20.65	20.629	7 580	12 200	9 500	-
	BA 105 Z	5.3	BAM 105	6.5	15.875 (5/8)	20.638 (13/16)	7.92 (5/16)	1.3		15.875	15.864	20.65	20.629	2 870	3 220	25 000	-
	BA 107 Z	7.6	BAM 107	8.7	15.875 (5/8)	20.638 (13/16)	11.13 (7/16)	1.3		15.875	15.864	20.65	20.629	5 040	6 660	25 000	-
17.462 (11/16)	BA 108 Z	8.7	BAM 108	9.9	15.875 (5/8)	20.638 (13/16)	12.70 (1/2)	1.3		15.875	15.864	20.65	20.629	5 420	7 310	25 000	IRB 68-1
	BA 1110 Z	11.8	BAM 1110	13.2	17.462 (11/16)	22.225 (7/8)	15.88 (5/8)	1.3		17.462	17.451	22.237	22.216	8 280	13 000	25 000	-
	BA 1112 Z	14	BAM 1112	15.4	17.462 (11/16)	22.225 (7/8)	19.05 (3/4)	1.3		17.462	17.451	22.237	22.216	10 200	17 000	25 000	IRB 812

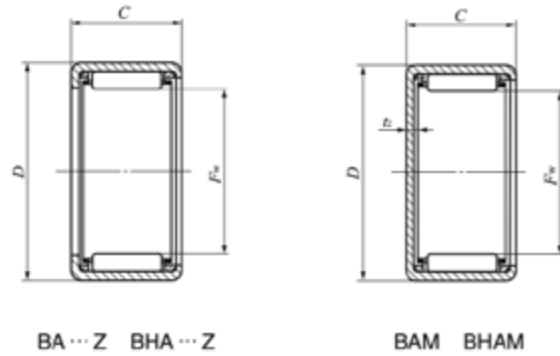
*Not a stocked range although available on request

Note. (1) Allowable rotational speed applied to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.

Every effort has been taken to ensure that the data listed in this catalogue is correct. Finer Power Transmissions P/L will not accept liability for any damage or loss caused as a result of the data in this catalogue.

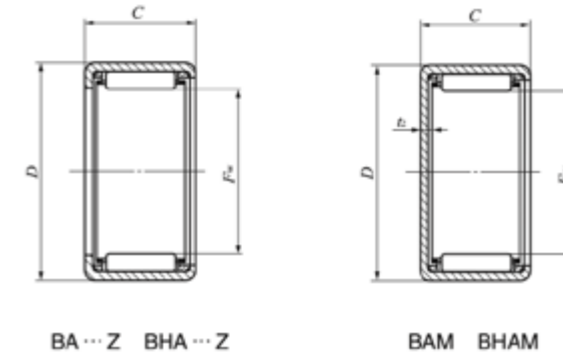
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BA Series w/Oil Hole



BA...Z BHA...Z

BAM BHAM



BA...Z BHA...Z

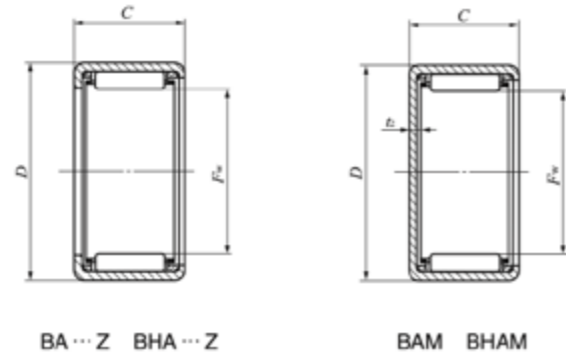
BAM BHAM

Shaft dia. mm (in)	Identification number				Boundary dimensions (mm) (inch)				Standard mounting dimensions (mm)				Basic dynamic load rating C N	Basic static load rating C0 N	Allowable rotational speed (1) rpm	Assembled inner ring
	Standard	Mass g	Closed end*	Mass g	Fw	D	C	t2 Max.	Shaft dia. h6		J7					
									Max	Min.	Max.	Min.				
19.050 (3/4)	BA 1212 Z	20.5	BAM 1212	22	19.050 (3/4)	25.400 (1)	19.05 (3/4)	1.3	19.05	19.037	25.412	25.391	11 900	17 700	20 000	IRB 812-1
	BA 1214 Z	23.5	BAM 1214	25	19.050 (3/4)	25.400 (1)	22.22 (7/8)	1.3	19.05	19.037	25.412	25.391	14 200	22 200	20 000	IRB 814-1
	BA 1216 Z	27	BAM 1216	28.5	19.050 (3/4)	25.400 (1)	25.40 (1)	1.3	19.05	19.037	25.412	25.391	16 300	26 500	20 000	IRB 816-1
	BA 126 Z	10	BAM 126	11.7	19.050 (3/4)	25.400 (1)	9.52 (3/8)	1.3	19.05	19.037	25.412	25.391	5 040	5 850	20 000	-
	BA 128 Z	13.5	BAM 128	15.2	19.050 (3/4)	25.400 (1)	12.70 (1/2)	1.3	19.05	19.037	25.412	25.391	6 910	8 780	20 000	IRB 88-1
20.638 (13/16)	BA 1314 Z	25	BAM 1314	27	20.638 (13/16)	26.988 1 (1/16)	22.22 (7/8)	1.3	20.638	20.625	27	26.979	14 700	23 800	19 000	IRB 914
	BA 1316 Z	28.5	BAM 1316	30.5	20.638 (13/16)	26.988 1 (1/16)	25.40 (1)	1.3	20.638	20.625	27	26.979	16 900	28 500	19 000	IRB 916
22.225 (7/8)	BA 148 Z	15.6	BAM 148	17.8	22.225 (7/8)	28.575 (1 1/8)	12.70 (1/2)	2.8	22.225	22.212	28.587	28.566	7 440	10 100	18 000	IRB 108
	BA 1412 Z	23.5	BAM 1412	26	22.225 (7/8)	28.575 (1 1/8)	19.05 (3/4)	2.8	22.225	22.212	28.587	28.566	12 800	20 400	18 000	IRB 1012
25.4 (1)	BA 1612 Z	26.5	BAM 1612	29.5	25.400 (1)	31.750 (1 1/4)	19.05 (3/4)	2.8	25.4	25.387	31.764	31.739	14 200	24 300	15 000	IRB 1212
	BA 1614 Z	31	BAM 1614	33.5	25.400 (1)	31.750 (1 1/4)	22.22 (7/8)	2.8	25.4	25.387	31.764	31.739	16 900	30 400	15 000	IRB 1214
	BA 1616 Z	35.5	BAM 1616	38	25.400 (1)	31.750 (1 1/4)	25.40 (1)	2.8	25.4	25.387	31.764	31.739	19 400	36 300	15 000	IRB 1216
	BA 1620 Z	44	BAM 1620	46.5	25.400 (1)	31.750 (1 1/4)	31.75 (1 1/4)	2.8	25.4	25.387	31.764	31.739	24 400	48 500	15 000	IRB 1220
26.988 (1 1/16)	BA 1710 Z	23.5	BAM 1710	26.5	26.988 (1 1/16)	33.338 (1 5/16)	15.88 (5/8)	2.8	26.988	26.975	33.352	33.327	11 600	19 200	14 000	-
28.575 (1 1/8)	BA 188 Z	19.5	BAM 188	23	28.575 (1 1/8)	34.925 (1 3/8)	12.70 (1/2)	2.8	28.575	28.562	34.939	34.914	8 680	13 400	13 000	IRB 148
	BA 1812 Z	29.5	BAM 1812	33	28.575 (1 1/8)	34.925 (1 3/8)	19.05 (3/4)	2.8	28.575	28.562	34.939	34.914	15 000	26 900	13 000	IRB 1412
	BA 1816 Z	39	BAM 1816	42.5	28.575 (1 1/8)	34.925 (1 3/8)	25.40 (1)	2.8	28.575	28.562	34.939	34.914	20 500	40 300	13 000	IRB 1416
30.162 (1 3/16)	BA 1916 Z	52	BAM 1916	57	30.162 (1 3/16)	38.100 (1 1/2)	25.40 (1)	2.8	30.162	30.146	38.114	38.089	25 800	45 300	12 000	-
31.750 (1 1/4)	BA 2010 Z	27	BAM 2010	31.5	31.750 (1 1/4)	38.100 (1 1/2)	15.88 (5/8)	2.8	31.75	31.734	38.114	38.089	12 500	22 200	12 000	IRB 1610
	BA 2012 Z	32.5	BAM 2012	37	31.750 (1 1/4)	38.100 (1 1/2)	19.05 (3/4)	2.8	31.75	31.734	38.114	38.089	15 700	29 600	12 000	IRB 1612
	BA 2016 Z	43	BAM 2016	47.5	31.750 (1 1/4)	38.100 (1 1/2)	25.40 (1)	2.8	31.75	31.734	38.114	38.089	21 500	44 300	12 000	IRB 1616
	BA 2020 Z	53.5	BAM 2020	58	31.750 (1 1/4)	38.100 (1 1/2)	31.75 (1 1/4)	2.8	31.75	31.734	38.114	38.089	26 900	59 200	12 000	IRB 1620
33.338 (1 5/16)	BA 2110 Z	35.5	BAM 2110	41.5	33.338 (1 5/16)	41.275 (1 5/8)	15.88 (5/8)	2.8	33.338	33.322	41.289	41.264	15 400	23 900	11 000	IRB 1610-1
34.925 (1 3/8)	BA 228 Z	23.5	BAM 228	29	34.925 (1 3/8)	41.275 (1 5/8)	12.70 (1/2)	2.8	34.925	34.909	41.289	41.264	9 770	16 600	10 000	IRB 188
	BA 2212 Z	35.5	BAM 2212	41	34.925 (1 3/8)	41.275 (1 5/8)	19.05 (3/4)	2.8	34.925	34.909	41.289	41.264	16 900	33 500	10 000	IRB 1812
	BA 2216 Z	47.5	BAM 2216	53	34.925 (1 3/8)	41.275 (1 5/8)	25.40 (1)	2.8	34.925	34.909	41.289	41.264	23 100	50 200	10 000	IRB 1816
	BA 2220 Z	59	BAM 2220	64	34.925 (1 3/8)	41.275 (1 5/8)	31.75 (1 1/4)	2.8	34.925	34.909	41.289	41.264	28 900	67 100	10 000	IRB 1820
38.100 (1 1/2)	BA 248 Z	38.5	BAM 248	47.5	38.100 (1 1/2)	47.625 (1 7/8)	12.70 (1/2)	2.8	38.1	38.084	47.639	47.614	12 900	17 900	9 000	-
	BA 2414 Z	69	BAM 2414	78	38.100 (1 1/2)	47.625 (1 7/8)	22.22 (7/8)	2.8	38.1	38.084	47.639	47.614	26 700	45 600	9 000	IRB 2014
	BA 2416 Z	79	BAM 2416	88	38.100 (1 1/2)	47.625 (1 7/8)	25.40 (1)	2.8	38.1	38.084	47.639	47.614	31 100	55 400	9 000	IRB 2016
	BA 2420 Z	97.5	BAM 2420	106	38.100 (1 1/2)	47.625 (1 7/8)	31.75 (1 1/4)	2.8	38.1	38.084	47.639	47.614	39 000	74 200	9 000	IRB 2020
41.275 (1 5/8)	BA 2610 Z	52	BAM 2610	62.5	41.275 (1 5/8)	50.800 (2)	15.88 (5/8)	2.8	41.275	41.259	50.818	50.788	18 900	30 000	8 000	IRB 2210
	BA 2620 Z	105	BAM 2620	115	41.275 (1 5/8)	50.800 (2)	31.75 (1 1/4)	2.8	41.275	41.259	50.818	50.788	41 400	82 100	8 000	IRB 2220

*Not a stocked range although available on request

Note. (1) Allowable rotational speed applied to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.

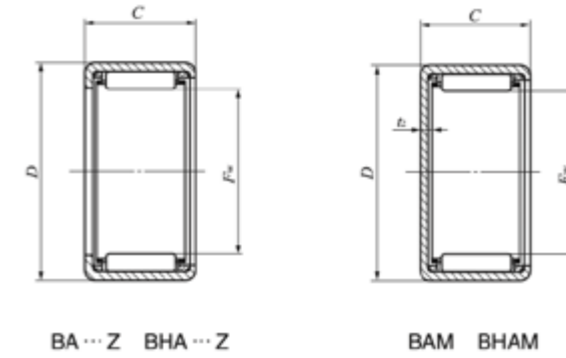
BA Series w/Oil Hole



BA...Z BHA...Z

BAM BHAM

BA Series w/Oil Hole



BA...Z BHA...Z

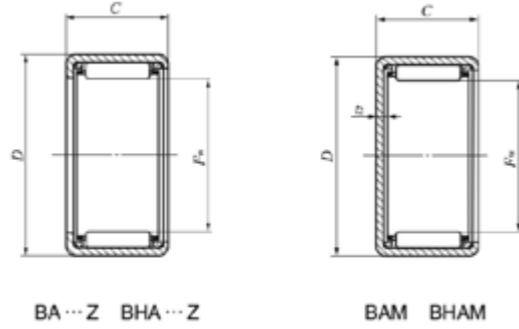
BAM BHAM

Shaft dia. mm (in)	Identification number				Boundary dimensions (mm) (inch)					Standard mounting dimensions (mm)				Basic dynamic load rating C N	Basic static load rating C0 N	Allowable rotational speed (1) rpm	Assembled inner ring
	Standard	Mass g	Closed end*	Mass g	Fw	D	C	t2 Max.		Shaft dia. h6		J7					
										Max	Min.	Max.	Min.				
44.450 (1 3/4)	BA 2816 Z	91	BAM 2816	103	44.450 (1 3/4)	53.975 (2 1/8)	25.40 (1)	2.8	44.45	44.434	53.993	53.963	34 800	67 400	7 500	IRB 2416	
	BA 2820 Z	112	BAM 2820	125	44.450 (1 3/4)	53.975 (2 1/8)	31.75 (1 1/4)	2.8	44.45	44.434	53.993	53.963	43 600	90 200	7 500	-	
	BA 2824 Z	136	BAM 2824	148	44.450 (1 3/4)	53.975 (2 1/8)	38.10 (1 1/2)	2.8	44.45	44.434	53.993	53.963	52 000	113 000	7 500	IRB 2424	
47.625 (1 7/8)	BA 3010 Z	60	BAM 3010	74	47.625 (1 7/8)	57.150 (2 1/4)	15.88 (5/8)	2.8	47.625	47.609	57.168	57.138	20 300	34 500	7 000	IRB 2410-1	
	BA 3012 Z	72.5	BAM 3012	86.5	47.625 (1 7/8)	57.150 (2 1/4)	19.05 (3/4)	2.8	47.625	47.609	57.168	57.138	25 700	46 700	7 000	-	
	BA 3016 Z	97.5	BAM 3016	112	47.625 (1 7/8)	57.150 (2 1/4)	25.40 (1)	2.8	47.625	47.609	57.168	57.138	35 400	70 600	7 000	-	
50.80 (2)	BA 3220 Z	128	BAM 3220	144	50.800 (2)	60.325 (2 3/8)	31.75 (1 1/4)	2.8	50.800	50.781	60.434	60.313	46 600	102 000	6 000	IRB 2720	
88.9 (3 1/2)	BA 5612	-	-	-	88.9 (3 1/2)	101.6 (4)	19.05 (3/4)	-	-	-	-	-	-	-	-	-	

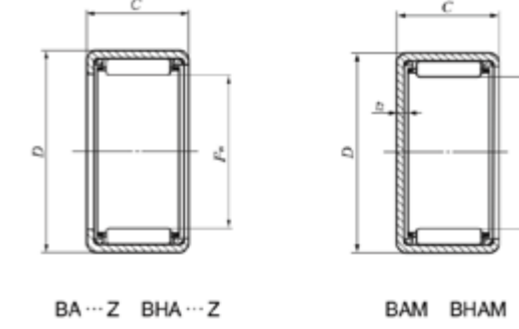
*Not a stocked range although available on request

Note. (1) Allowable rotational speed applied to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.

BHA Heavy Duty w/Oil Hole Series



BHA Heavy Duty w/Oil Hole Series



Shaft dia. mm	Boundary dimensions (mm) (inch)									Standard mounting dimensions (mm)				Basic dynamic load rating C	Basic static load rating CO	Allowable rotational speed (1)	Assembled inner ring
	Standard	Mass g	Closed end*	Mass g	Fw	D	C	t2 Max.		Shaft dia. h6		J7					
										Max	Min.	Max.	Min.				
12.700 (1/2)	BHA 810 Z	12.5	BHAM 810	13.3	12.700 (1/2)	19.050 (3/4)	15.88 (5/8)	1.3		12.7	12.689	19.062	19.041	8 830	10 900	30 000	-
	BHA 812 Z	15	BHAM 812	15.8	12.700 (1/2)	19.050 (3/4)	19.05 (3/4)	1.3		12.7	12.689	19.062	19.041	11 100	14 500	30 000	-
	BHA 87 Z	9.1	BHAM 87	9.9	12.700 (1/2)	19.050 (3/4)	11.13 (7/16)	1.3		12.7	12.689	19.062	19.041	5 670	6 120	30 000	-
	BHA 88 Z	10.4	BHAM 88	11.3	12.700 (1/2)	19.050 (3/4)	12.70 (1/2)	1.3		12.7	12.689	19.062	19.041	6 040	6 650	30 000	IRB 58
15.875 (5/8)	BHA 1010 Z	14.9	BHAM 1010	16.2	15.875 (5/8)	22.225 (7/8)	15.88 (5/8)	1.3		15.875	15.864	22.237	22.216	10 200	13 800	25 000	-
	BHA 1012 Z	18	BHAM 1012	19.3	15.875 (5/8)	22.225 (7/8)	19.05 (3/4)	1.3		15.875	15.864	22.237	22.216	12 700	18 500	25 000	IRB 612-1
	BHA 1016 Z	24	BHAM 1016	25	15.875 (5/8)	22.225 (7/8)	25.40 (1)	1.3		15.875	15.864	22.237	22.216	17 400	27 600	25 000	IRB 716
17.462 (11/16)	BHA 1110 Z	16	BHAM 1110	17.6	17.462 (11/16)	23.812 (15/6)	15.88 (5/8)	1.3		17.462	17.451	23.824	23.803	10 500	14 900	25 000	-
22.225 (7/8)	BHA 1412 Z	30	BHAM 1412	32.5	22.225 (7/8)	30.162 (1 3/16)	19.05 (3/4)	3.4		22.225	22.212	30.176	30.151	18 000	26 100	18 000	IRB 1012
	BHA 1416 Z	39.5	BHAM 1416	42	22.225 (7/8)	30.162 (1 3/16)	25.40 (1)	3.4		22.225	22.212	30.176	30.151	23 600	36 900	18 000	IRB 101
25.400 (1)	BHA 1610 Z	28	BHAM 1610	31	25.400 (1)	33.338 (1 5/16)	15.88 (5/8)	3.4		25.4	25.387	33.352	33.327	15 300	22 100	15 000	-
	BHA 1612 Z	33.5	BHAM 1612	37	25.400 (1)	33.338 (1 5/16)	19.05 (3/4)	3.4		25.4	25.387	33.352	33.327	19 300	29 700	15 000	IRB 1212
	BHA 1614 Z	39.5	BHAM 1614	42.5	25.400 (1)	33.338 (1 5/16)	22.22 (7/8)	3.4		25.4	25.387	33.352	33.327	23 000	37 200	15 000	IRB 1214
	BHA 1616 Z	45	BHAM 1616	48	25.400 (1)	33.338 (1 5/16)	25.40 (1)	3.4		25.4	25.387	33.352	33.327	26 400	44 500	15 000	IRB 1216
28.575 (1 1/8)	BHA 1812 Z	45	BHAM 1812	49	28.575 (1 1/8)	38.100 (1 1/2)	19.05 (3/4)	3.4		28.575	28.562	38.114	38.089	22 500	32 200	13 000	IRB 1412
31.750 (1 1/4)	BHA 2012 Z	49.5	BHAM 2012	54.5	31.750 (1 1/4)	41.275 (1 5/8)	19.05 (3/4)	3.4		31.75	31.734	41.289	41.264	24 100	36 400	12 000	IRB 1612
	BHA 2016 Z	66	BHAM 2016	71	31.750 (1 1/4)	41.275 (1 5/8)	25.40 (1)	3.4		31.75	31.734	41.289	41.264	33 200	55 000	12 000	IRB 1616
	BHA 2020 Z	81.5	BHAM 2020	86.5	31.750 (1 1/4)	41.275 (1 5/8)	31.75 (1 1/4)	3.4		31.75	31.734	41.289	41.264	40 000	69 600	12 000	IRB 1620
34.925 (1 3/8)	BHA 2212 Z	53	BHAM 2212	59	34.925 (1 3/8)	44.450 (1 3/4)	19.05 (3/4)	3.4		34.925	34.909	44.464	44.439	24 800	38 800	10 000	IRB 1812
	BHA 2216 Z	71	BHAM 2216	77	34.925 (1 3/8)	44.450 (1 3/4)	25.40 (1)	3.4		34.925	34.909	44.464	44.439	34 100	58 400	10 000	IRB 1816
52.388 (2 1/16)	BHA 3324 Z	205	BHAM 3324	225	52.388 (2 1/16)	64.294 (2 17/32)	38.10 (1 1/2)	3.4		52.388	52.369	64.312	64.282	73 900	154 000	6 000	-

* Not a stocked range although available on request.

Note. (1) Allowable rotational speed applied to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.