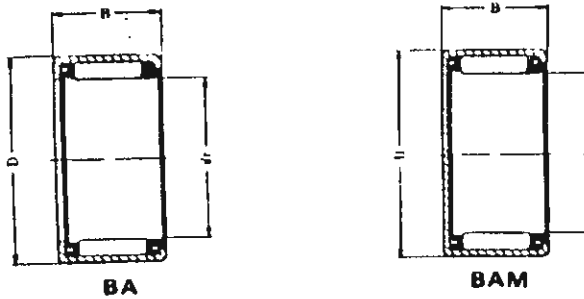


# DRAWN CUP TYPE NEEDLE BEARINGS (OIL HOLE TYPE - Standard)

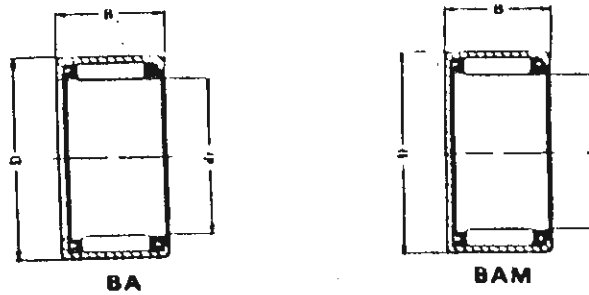


DIMENSION TABLE

IKD Number open end BA	Weight (g)	IKD Number closed end BAM	Weight (g)	Dimensions (inch/mm)			Basic Dynamic Load Rating (kg)	Usable inner race IRB			
				dr	D	B					
BA 44	2			$\frac{1}{8}$	6.350	$\frac{3}{16}$	11.112	$\frac{1}{8}$	6.350	180	—
BA 45	2.5	BAM 45	2.8	$\frac{1}{8}$	6.350	$\frac{3}{16}$	11.112	$\frac{3}{16}$	7.938	220	—
BA 47	3.5	BAM 47	3.8	$\frac{1}{8}$	6.350	$\frac{3}{16}$	11.112	$\frac{7}{16}$	11.112	330	—
BA 55	3	BAM 55	3.5	$\frac{3}{16}$	7.938	$\frac{1}{2}$	12.700	$\frac{3}{16}$	7.938	260	—
BA 56	3.6	BAM 56	4.1	$\frac{3}{16}$	7.938	$\frac{1}{2}$	12.700	$\frac{7}{16}$	9.525	330	—
BA 57	4.3	BAM 57	4.8	$\frac{3}{16}$	7.938	$\frac{1}{2}$	12.700	$\frac{3}{16}$	11.112	400	—
BA 59	5.6	BAM 59	6.1	$\frac{3}{16}$	7.938	$\frac{1}{2}$	12.700	$\frac{5}{16}$	14.288	510	—
BA 65	3.5	BAM 65	4.1	$\frac{3}{16}$	9.525	$\frac{5}{16}$	14.288	$\frac{3}{16}$	7.938	300	—
BA 66	4.2	BAM 66	4.8	$\frac{3}{16}$	9.525	$\frac{5}{16}$	14.288	$\frac{3}{16}$	9.525	370	—
BA 68	5.7	BAM 68	6.4	$\frac{3}{16}$	9.525	$\frac{5}{16}$	14.288	$\frac{1}{2}$	12.700	530	—
BA 610	7.3	BAM 610	7.9	$\frac{3}{16}$	9.525	$\frac{5}{16}$	14.288	$\frac{5}{16}$	15.875	650	—
BA 78	6.5	BAM 78	7.3	$\frac{3}{16}$	11.112	$\frac{5}{16}$	15.875	$\frac{1}{2}$	12.700	590	—
BA 85	4.8	BAM 85	5.8	$\frac{1}{2}$	12.700	$\frac{1}{4}$	17.462	$\frac{5}{16}$	7.938	340	—
BA 86	5.8	BAM 86	7	$\frac{1}{2}$	12.700	$\frac{1}{4}$	17.462	$\frac{3}{16}$	9.525	420	—
BA 87	6.7	BAM 87	7.8	$\frac{1}{2}$	12.700	$\frac{1}{4}$	17.462	$\frac{3}{16}$	11.112	510	—
BA 88	7.8	BAM 88	9	$\frac{1}{2}$	12.700	$\frac{1}{4}$	17.462	$\frac{1}{2}$	12.700	590	—
BA 810	9.8	BAM 810	11	$\frac{1}{2}$	12.700	$\frac{1}{4}$	17.462	$\frac{5}{16}$	15.875	720	—
BA 812	11.8	BAM 812	13	$\frac{1}{2}$	12.700	$\frac{1}{4}$	17.462	$\frac{3}{16}$	19.050	860	—
BA 95	5.3	BAM 95	6.6	$\frac{5}{16}$	14.288	$\frac{3}{8}$	19.050	$\frac{5}{16}$	7.938	360	—
BA 96	6.4	BAM 96	7.8	$\frac{5}{16}$	14.288	$\frac{3}{8}$	19.050	$\frac{3}{16}$	9.525	450	—
BA 97	7.4	BAM 97	8.7	$\frac{5}{16}$	14.288	$\frac{3}{8}$	19.050	$\frac{3}{16}$	11.112	550	—
BA 98	8.6	BAM 98	10	$\frac{5}{16}$	14.288	$\frac{3}{8}$	19.050	$\frac{1}{2}$	12.700	640	IRB 68
BA 910	10.3	BAM 910	11.7	$\frac{5}{16}$	14.288	$\frac{3}{8}$	19.050	$\frac{3}{16}$	15.875	770	—
BA 912	13	BAM 912	14.5	$\frac{5}{16}$	14.288	$\frac{3}{8}$	19.050	$\frac{3}{16}$	19.050	930	IRB 612
BA 105	5.8	BAM 105	7.3	$\frac{3}{8}$	15.875	$\frac{1}{4}$	20.638	$\frac{5}{16}$	7.938	390	—
BA 107	8.1	BAM 107	9.7	$\frac{3}{8}$	15.875	$\frac{1}{4}$	20.638	$\frac{3}{16}$	11.112	580	—
BA 108	9.4	BAM 108	11.2	$\frac{3}{8}$	15.875	$\frac{1}{4}$	20.638	$\frac{1}{2}$	12.700	680	IRB 78
BA 1012	14.3	BAM 1012	16	$\frac{3}{8}$	15.875	$\frac{1}{4}$	20.638	$\frac{3}{16}$	19.050	990	IRB 712
BA 1014	16.7	BAM 1014	18.5	$\frac{3}{8}$	15.875	$\frac{1}{4}$	20.638	$\frac{3}{16}$	22.225	1150	IRB 714
BA 1016	19.1	BAM 1016	21	$\frac{3}{8}$	15.875	$\frac{1}{4}$	20.638	1	25.400	1310	IRB 716
BA 116	7.6	BAM 116	9.7	$\frac{1}{4}$	17.462	$\frac{3}{8}$	22.225	$\frac{3}{16}$	9.525	510	IRB 86
BA 118	10.2	BAM 118	12.3	$\frac{1}{4}$	17.462	$\frac{3}{8}$	22.225	$\frac{1}{2}$	12.700	720	IRB 88
BA 1110	12.9	BAM 1110	14.7	$\frac{1}{4}$	17.462	$\frac{3}{8}$	22.225	$\frac{5}{16}$	15.875	880	—
BA 1112	15.5	BAM 1112	17.6	$\frac{1}{4}$	17.462	$\frac{3}{8}$	22.225	$\frac{3}{16}$	19.050	1050	IRB 812
BA 126	10.2	BAM 126	12.8	$\frac{3}{8}$	19.050	1	25.400	$\frac{3}{16}$	9.525	650	—

# DRAWN CUP TYPE NEEDLE BEARINGS

## (OIL HOLE TYPE - Standard)

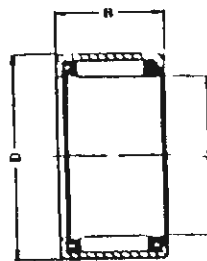


**DIMENSION TABLE**

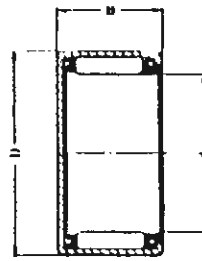
LKO Number open end BA	Weight (g)	LKO Number closed end BAM	Weight (g)	Dimensions (inch/mm)						Basic Dynamic Load Rating (kg)	Usable inner race IRB
				dr	D	B	C	dr	D		
BA 128	13.9	BAM 128	16.8	$\frac{3}{8}$	19.050	1	25.400	$\frac{1}{2}$	12.700	920	IRB 8B-1
BA 1210	17.7	BAM 1210	20.5	$\frac{3}{8}$	19.050	1	25.400	$\frac{5}{8}$	15.875	1130	IRB 810-1
BA 1212	21.5	BAM 1212	24	$\frac{3}{8}$	19.050	1	25.400	$\frac{1}{4}$	19.050	1370	IRB 812-1
BA 1214	25	BAM 1214	28	$\frac{3}{8}$	19.050	1	25.400	$\frac{7}{8}$	22.225	1600	IRB 814-1
BA 1216	29	BAM 1216	31.5	$\frac{3}{8}$	19.050	1	25.400	1	25.400	1820	IRB 816-1
BA 136	10.9	BAM 136	13.8	$\frac{1}{4}$	20.638	$1\frac{1}{8}$	26.988	$\frac{3}{8}$	9.525	670	—
BA 138	14.9	BAM 138	18.1	$\frac{1}{4}$	20.638	$1\frac{1}{8}$	26.988	$\frac{1}{2}$	12.700	950	IRB 98
BA 1310	18.8	BAM 1310	22	$\frac{1}{4}$	20.638	$1\frac{1}{8}$	26.988	$\frac{5}{8}$	15.875	1170	IRB 910
BA 1312	23	BAM 1312	26	$\frac{1}{4}$	20.638	$1\frac{1}{8}$	26.988	$\frac{3}{4}$	19.050	1410	IRB 912
BA 1314	27	BAM 1314	30	$\frac{1}{4}$	20.638	$1\frac{1}{8}$	26.988	$\frac{7}{8}$	22.225	1650	IRB 914
BA 1316	31	BAM 1316	34	$\frac{1}{4}$	20.638	$1\frac{1}{8}$	26.988	1	25.400	1880	IRB 916
BA 1320	38	BAM 1320	41	$\frac{1}{4}$	20.638	$1\frac{3}{8}$	26.988	$1\frac{1}{4}$	31.750	2160	IRB 920
BA 146	11.7	BAM 146	15	$\frac{7}{8}$	22.225	$1\frac{1}{8}$	28.575	$\frac{3}{8}$	9.525	720	—
BA 148	16	BAM 148	19.6	$\frac{7}{8}$	22.225	$1\frac{1}{8}$	28.575	$\frac{1}{2}$	12.700	1020	IRB 108
BA 1412	24.5	BAM 1412	28	$\frac{7}{8}$	22.225	$1\frac{1}{8}$	28.575	$\frac{3}{4}$	19.050	1510	IRB 1012
BA 1414	29	BAM 1414	32.5	$\frac{7}{8}$	22.225	$1\frac{1}{8}$	28.575	$\frac{7}{8}$	22.225	1770	IRB 1014
BA 1416	33	BAM 1416	37	$\frac{7}{8}$	22.225	$1\frac{1}{8}$	28.575	1	25.400	2010	IRB 1016
BA 1422	45.5	BAM 1422	49	$\frac{7}{8}$	22.225	$1\frac{1}{8}$	28.575	$1\frac{1}{8}$	34.925	2540	IRB 1022
BA 1510	21.5	BAM 1510	25.5	$\frac{1}{2}$	23.812	$1\frac{1}{4}$	30.162	$\frac{5}{8}$	15.875	1290	IRB 1110
BA 1516	35	BAM 1516	39	$\frac{1}{2}$	23.812	$1\frac{3}{8}$	30.162	1	25.400	2070	IRB 1116
BA 166	13.2	BAM 166	17.3	1	25.400	$1\frac{1}{4}$	31.750	$\frac{3}{8}$	9.525	780	—
BA 167	15.7	BAM 167	19.9	1	25.400	$1\frac{1}{4}$	31.750	$\frac{7}{8}$	11.112	960	—
BA 168	18.1	BAM 168	22.5	1	25.400	$1\frac{1}{4}$	31.750	$\frac{1}{2}$	12.700	1110	IRB 128
BA 1612	27.5	BAM 1612	32	1	25.400	$1\frac{1}{4}$	31.750	$\frac{3}{4}$	19.050	1650	IRB 1212
BA 1614	32.5	BAM 1614	37	1	25.400	$1\frac{1}{4}$	31.750	$\frac{7}{8}$	22.225	1930	IRB 1214
BA 1616	37.5	BAM 1616	42	1	25.400	$1\frac{1}{4}$	31.750	1	25.400	2200	IRB 1216
BA 1620	46.5	BAM 1620	51	1	25.400	$1\frac{1}{4}$	31.750	$1\frac{1}{4}$	31.750	2550	IRB 1220
BA 1710	24	BAM 1710	29	$1\frac{1}{8}$	26.988	$1\frac{5}{8}$	33.338	$\frac{5}{8}$	15.875	1400	—
BA 186	14.5	BAM 186	19.6	$1\frac{1}{8}$	28.575	$1\frac{3}{8}$	34.925	$\frac{3}{8}$	9.525	820	—
BA 188	19.9	BAM 188	25.5	$1\frac{1}{8}$	28.575	$1\frac{3}{8}$	34.925	$\frac{1}{2}$	12.700	1170	IRB 148
BA 1812	30.5	BAM 1812	36	$1\frac{1}{8}$	28.575	$1\frac{3}{8}$	34.925	$\frac{3}{4}$	19.050	1730	IRB 1412
BA 1816	41.5	BAM 1816	47	$1\frac{1}{8}$	28.575	$1\frac{3}{8}$	34.925	1	25.400	2310	IRB 1416
BA 1820	51	BAM 1820	57	$1\frac{1}{8}$	28.575	$1\frac{3}{8}$	34.925	$1\frac{1}{4}$	31.750	2690	IRB 1420
BA 1910	35	BAM 1910	42	$1\frac{3}{8}$	30.162	$1\frac{1}{2}$	38.100	$\frac{5}{8}$	15.875	1580	—
BA 1916	56.5	BAM 1916	63.5	$1\frac{3}{8}$	30.162	$1\frac{1}{2}$	38.100	1	25.400	2580	—

# DRAWN CUP TYPE NEEDLE BEARINGS

## (OIL HOLE TYPE - Standard)



**BA**



**BAM**

**DIMENSION TABLE**

SKO Number open end BA	Weight (g)	SKO Number closed end BAM	Weight (g)	Dimensions (inch/mm)			Basic Dynamic Load Rating (kg)	Usable inner race IRB			
				dr	D	B					
BA 208	22	BAM 208	29	1 1/4	31.750	1 1/2	38.100	1/2	12.700	1250	IRB 168
BA 2010	28	BAM 2010	34.5	1 1/4	31.750	1 1/2	38.100	5/8	15.875	1530	IRB 1610
BA 2012	33.5	BAM 2012	40.5	1 1/4	31.750	1 1/2	38.100	3/4	19.050	1840	IRB 1612
BA 2016	45.5	BAM 2016	52.5	1 1/4	31.750	1 1/2	38.100	1	25.400	2460	IRB 1616
BA 2020	56.5	BAM 2020	63.5	1 1/4	31.750	1 1/2	38.100	1 1/4	31.750	2870	IRB 1620
BA 218	30	BAM 218	39	1 5/8	33.338	1 5/8	41.275	3/2	12.700	1270	IRB 168-1
BA 2110	38	BAM 2110	47	1 5/8	33.338	1 5/8	41.275	5/8	15.875	1660	IRB 1610-1
BA 2112	46	BAM 2112	55	1 5/8	33.338	1 5/8	41.275	3/4	19.050	2000	IRB 1612-1
BA 228	24	BAM 228	32	1 3/8	34.925	1 3/8	41.275	1/2	12.700	1320	IRB 188
BA 2212	37	BAM 2212	45	1 3/8	34.925	1 3/8	41.275	3/4	19.050	1960	IRB 1812
BA 2216	49.5	BAM 2216	57.5	1 3/8	34.925	1 3/8	41.275	1	25.400	2610	IRB 1816
BA 2220	62	BAM 2220	70	1 3/8	34.925	1 3/8	41.275	1 1/4	31.750	3060	IRB 1820
BA 248	40.5	BAM 248	53	1 1/2	38.100	1 7/8	47.625	1/2	12.700	1570	—
BA 2410	51	BAM 2410	64	1 1/2	38.100	1 7/8	47.625	5/8	15.875	1860	IRB 2010
BA 2412	62	BAM 2412	75	1 1/2	38.100	1 7/8	47.625	3/4	19.050	2320	—
BA 2414	73	BAM 2414	86	1 1/2	38.100	1 7/8	47.625	7/8	22.225	2760	IRB 2014
BA 2416	84.5	BAM 2416	97	1 1/2	38.100	1 7/8	47.625	1	25.400	3180	IRB 2016
BA 2420	106	BAM 2420	119	1 1/2	38.100	1 7/8	47.625	1 1/4	31.750	3950	IRB 2020
BA 268	43	BAM 268	58	1 5/8	41.275	2	50.800	1/2	12.700	1680	—
BA 2610	54.5	BAM 2610	69	1 5/8	41.275	2	50.800	5/8	15.875	1990	IRB 2210
BA 2620	113	BAM 2620	128	1 5/8	41.275	2	50.800	1 1/4	31.750	4220	IRB 2220
BA 2812	71.5	BAM 2812	88	1 3/4	44.450	2 1/8	53.975	3/4	19.050	2560	—
BA 2816	97	BAM 2816	114	1 3/4	44.450	2 1/8	53.975	1	25.400	3520	IRB 2416
BA 2824	146	BAM 2824	163	1 3/4	44.450	2 1/8	53.975	1 1/2	38.100	4980	IRB 2424
BA 308	49.5	BAM 308	68.5	1 7/8	47.625	2 1/4	57.150	1/2	12.700	1800	IRB 248-1
BA 3010	62.5	BAM 3010	82	1 7/8	47.625	2 1/4	57.150	5/8	15.875	2140	IRB 2410-1
BA 3016	103	BAM 3016	122	1 7/8	47.625	2 1/4	57.150	1	25.400	3650	—
BA 328	52	BAM 328	73.5	2	50.800	2 3/8	60.325	1/2	12.700	1900	—
BA 3216	109	BAM 3216	131	2	50.800	2 3/8	60.325	1	25.400	3840	IRB 2616
BA 3220	138	BAM 3220	159	2	50.800	2 3/8	60.325	1 1/4	31.750	4770	—
BA 3224	165	BAM 3224	186	2	50.800	2 3/8	60.325	1 1/2	38.100	5420	—
BAW 3228	186	BAM 3228	210	2	50.800	2 3/8	60.325	1 3/4	44.450	5710	IRB 2628
BA 3416	116	BAM 3416	140	2 1/8	53.975	2 1/2	63.500	1	25.400	3850	IRB 3016
BA 3424	174	BAM 3424	198	2 1/8	53.975	2 1/2	63.500	1 1/2	38.100	5480	IRB 3024