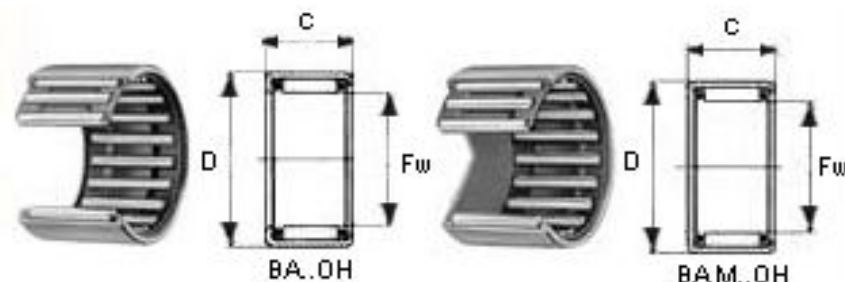




DRAWN CUP NEEDLE ROLLER BEARINGS

Inch Dimensions

BA & BAM Series



Dimension Table of BA & BAM Series

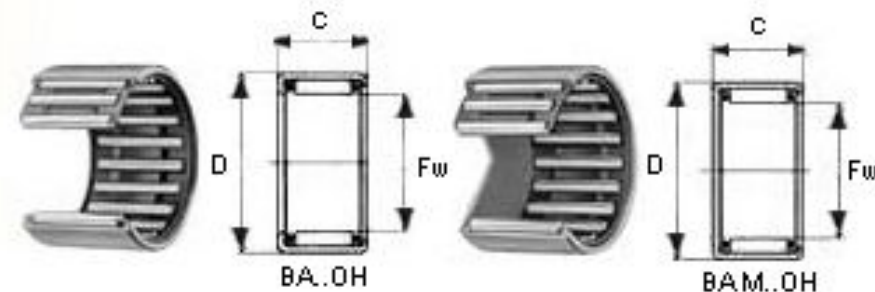
Designation	Weight (g)	Designation	Weight (g)	Dimensions						Basic Dynamic Load Rating (Kgf)	Basic Static Load Rating (Kgf)
				F _w		D		C			
				inch	mm	inch	mm	inch	mm		
BA 44 OH	2.1	BA M 44 OH	2.3	1/4	6.350	7/16	11.112	1/4	6.35	150	110
BA 45 OH	2.5	BA M 45 OH	2.7	1/4	6.350	7/16	11.112	5/16	7.92	150	110
BA 47 OH	3.5	BA M 47 OH	3.7	1/4	6.350	7/16	11.112	7/16	11.13	270	240
BA 55 OH	3	BA M 55 OH	3.3	5/16	7.938	1/2	12.700	5/16	7.92	190	160
BA 56 OH	3.6	BA M 56 OH	3.9	5/16	7.938	1/2	12.700	3/8	9.52	270	240
BA 57 OH	4.3	BA M 57 OH	4.6	5/16	7.938	1/2	12.700	7/16	11.13	340	330
BA 59 OH	5.4	BA M 59 OH	5.7	5/16	7.938	1/2	12.700	9/16	14.27	430	440
BA 65 OH	3.5	BA M 65 OH	3.9	3/8	9.525	9/16	14.288	5/16	7.92	230	210
BA 66 OH	4.2	BA M 66 OH	4.6	3/8	9.525	9/16	14.288	3/8	9.52	320	310
BA 68 OH	5.7	BA M 68 OH	6.1	3/8	9.525	9/16	14.288	1/2	12.70	430	470
BA 69 OH	6.3	BA M 69 OH	6.7	3/8	9.525	9/16	14.288	9/16	14.27	500	570
BA 610 OH	7	BA M 610 OH	7.4	3/8	9.525	9/16	14.288	5/8	15.88	580	680
BA 76 OH	4.8	BA M 76 OH	5.3	7/16	11.112	5/8	15.875	3/8	9.52	340	350
BA 77 OH	5.6	BA M 77 OH	6.2	7/16	11.112	5/8	15.875	7/16	11.13	420	480
BA 78 OH	6.4	BA M 78 OH	7	7/16	11.112	5/8	15.875	1/2	12.70	450	520
BA 710 OH	7.9	BA M 710 OH	8.5	7/16	11.112	5/8	15.875	5/8	15.88	610	770
BA 85 OH	4.4	BA M 85 OH	5.2	1/2	12.700	11/16	17.462	5/16	7.92	250	260
BA 86 OH	5.3	BA M 86 OH	6.1	1/2	12.700	11/16	17.462	3/8	9.52	350	390
BA 87 OH	6.3	BA M 87 OH	7	1/2	12.700	11/16	17.462	7/16	11.13	450	530
BA 88 OH	7.2	BA M 88 OH	7.9	1/2	12.700	11/16	17.462	1/2	12.70	480	580
BA 810 OH	8.9	BA M 810 OH	9.6	1/2	12.700	11/16	17.462	5/8	15.88	650	850
BA 812 OH	10.6	BA M 812 OH	11.3	1/2	12.700	11/16	17.462	3/4	19.05	800	1120
BA 95 OH	4.9	BA M 95 OH	5.8	9/16	14.288	3/4	19.050	5/16	7.92	280	300
BA 96 OH	5.9	BA M 96 OH	6.8	9/16	14.288	3/4	19.050	3/8	9.52	390	460
BA 97 OH	6.9	BA M 97 OH	7.8	9/16	14.288	3/4	19.050	7/16	11.13	500	630
BA 98 OH	7.9	BA M 98 OH	8.9	9/16	14.288	3/4	19.050	1/2	12.70	530	690
BA 910 OH	9.9	BA M 910 OH	10.8	9/16	14.288	3/4	19.050	5/8	15.88	720	1010
BA 912 OH	11.7	BA M 912 OH	12.6	9/16	14.288	3/4	19.050	3/4	19.05	890	1320



DRAWN CUP NEEDLE ROLLER BEARINGS

Inch Dimensions

BA & BAM Series



Dimension Table of BA & BAM Series

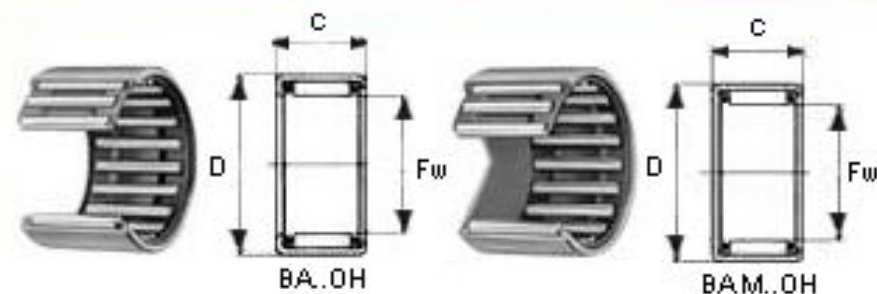
Designation	Weight (g)	Designation	Weight (g)	Dimensions						Basic Dynamic Load Rating (Kgf)	Basic Static Load Rating (Kgf)
				Fw		D		C			
				inch	mm	inch	mm	inch	mm		
BA 105 OH	5.3	BAM 105 OH	6.5	5/8	15.875	13/16	20.638	5/16	7.92	290	330
BA 107 OH	7.6	BAM 107 OH	8.7	5/8	15.875	13/16	20.638	7/16	11.13	510	680
BA 108 OH	8.7	BAM 108 OH	9.9	5/8	15.875	13/16	20.638	1/2	12.70	550	740
BA 1010 OH	10.8	BAM 1010 OH	12	5/8	15.875	13/16	20.638	5/8	15.88	750	1100
BA 1012 OH	12.9	BAM 1012 OH	14	5/8	15.875	13/16	20.638	3/4	19.05	920	1430
BA 1014 OH	15.1	BAM 1014 OH	16.2	5/8	15.875	13/16	20.638	7/8	22.22	109	1790
BA 1016 OH	17.3	BAM 1016 OH	18.4	5/8	15.875	13/16	20.638	1	25.40	0	2130
BA 116 OH	7	BAM 116 OH	8.4	11/16	17.462	7/8	22.225	3/8	9.52	125	610
BA 118 OH	9.5	BAM 118 OH	10.8	11/16	17.462	7/8	22.225	1/2	12.70	0	900
BA 1110 OH	11.8	BAM 1110 OH	13.2	11/16	17.462	7/8	22.225	5/8	15.88	460	1330
BA 1112 OH	14	BAM 1112 OH	15.4	11/16	17.462	7/8	22.225	3/4	19.05	630	1740
BA 126 OH	10	BAM 126 OH	11.7	3/4	19.05	1	25.400	3/8	9.52	840	600
BA 128 OH	13.5	BAM 128 OH	15.2	3/4	19.05	1	25.400	1/2	12.70	104	890
BA 1210 OH	17	BAM 1210 OH	18.6	3/4	19.05	1	25.400	5/8	15.88	0	1350
BA 1212 OH	20.5	BAM 1212 OH	22	3/4	19.05	1	25.400	3/4	19.05	510	1800
BA 1214 OH	23.5	BAM 1214 OH	25	3/4	19.05	1	25.400	7/8	22.22	700	2280
BA 1216 OH	27	BAM 1216 OH	28.5	3/4	19.05	1	25.400	1	25.40	970	2700
BA 136 OH	10.7	BAM 136 OH	12.6	13/16	20.638	1 1/16	26.988	3/8	9.52	122	640
BA 138 OH	14.5	BAM 138 OH	16.4	13/16	20.638	1 1/16	26.988	1/2	12.70	0	960
BA 1310 OH	18.2	BAM 1310 OH	20	13/16	20.638	1 1/16	26.988	5/8	15.88	145	1450
BA 1312 OH	22	BAM 1312 OH	23.5	13/16	20.638	1 1/16	26.988	3/4	19.05	0	1940
BA 1314 OH	25	BAM 1314 OH	27	13/16	20.638	1 1/16	26.988	7/8	22.22	166	2430
BA 1316 OH	28.5	BAM 1316 OH	30.5	13/16	20.638	1 1/16	26.988	1	25.40	0	2910
BA 1320 OH	35.5	BAM 1320 OH	37.5	13/16	20.638	1 1/16	26.988	1 1/4	31.75	530	3890
BA 146 OH	11.5	BAM 146 OH	13.8	7/8	22.225	1 1/8	28.575	3/8	9.52	730	690
BA 148 OH	15.6	BAM 148 OH	17.8	7/8	22.225	1 1/8	28.575	1/2	12.70	101	1030
BA 1412 OH	23.5	BAM 1412 OH	26	7/8	22.225	1 1/8	28.575	3/4	19.05	0	2080
BA 1414 OH	27	BAM 1414 OH	29.5	7/8	22.225	1 1/8	28.575	7/8	22.22	126	2600



DRAWN CUP NEEDLE ROLLER BEARINGS

Inch Dimensions

BA & BAM Series



Dimension Table of BA & BAM Series

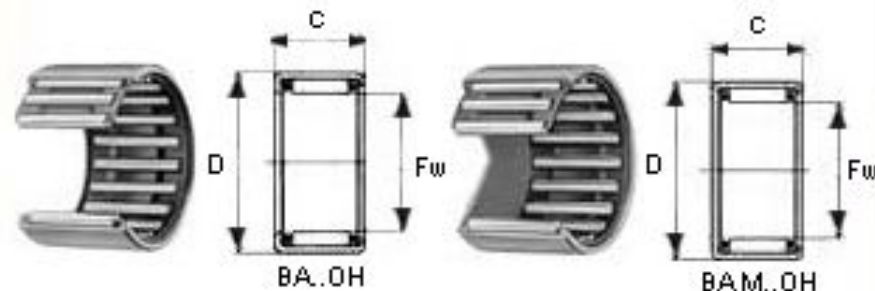
Designation	Weight (g)	Designation	Weight (g)	Dimensions						Basic Dynamic Load Rating (Kgf)	Basic Static Load Rating (Kgf)
				Fw		D		C			
				inch	mm	inch	mm	inch	mm		
BA 1416 OH	31	BA M 1416 OH	33.5	7/8	22.225	1 1/8	28.575	1	25.40	1790	3110
BA 1418 OH	34.5	BA M 1418 OH	37	7/8	22.225	1 1/8	28.575	1 1/8	28.58	2020	3630
BA 1422 OH	42.5	BA M 1422 OH	44.5	7/8	22.225	1 1/8	28.575	1 3/8	34.92	2450	4680
BA 158 OH	16.5	BA M 158 OH	19	15/16	23.812	1 3/16	30.162	1/2	12.70	820	1160
BA 1510 OH	20.5	BA M 1510 OH	23	15/16	23.812	1 3/16	30.162	5/8	15.88	1120	1750
BA 1516 OH	33	BA M 1516 OH	35.5	15/16	23.812	1 3/16	30.162	1	25.40	1930	3500
BA 166 OH	13.1	BA M 166 OH	16	1	25.400	1 1/4	31.75	3/8	9.52	610	820
BA 167 OH	15.4	BA M 167 OH	18.3	1	25.400	1 1/4	31.75	7/16	11.13	790	1130
BA 168 OH	17.7	BA M 168 OH	20.5	1	25.400	1 1/4	31.75	1/2	12.70	840	1230
BA 1610 OH	22	BA M 1610 OH	25	1	25.400	1 1/4	31.75	5/8	15.88	1160	1850
BA 1612 OH	26.5	BA M 1612 OH	29.5	1	25.400	1 1/4	31.75	3/4	19.05	1450	2470
BA 1614 OH	31	BA M 1614 OH	33.5	1	25.400	1 1/4	31.75	7/8	22.22	1730	3100
BA 1616 OH	35.5	BA M 1616 OH	38	1	25.400	1 1/4	31.75	1	25.40	1980	3700
BA 1620 OH	44	BA M 1620 OH	46.5	1	25.400	1 1/4	31.75	1 1/4	31.75	2480	4950
BA 1710 OH	23.5	BA M 1710 OH	26.5	1 1/16	26.988	1 5/16	33.338	5/8	15.88	1190	1950
BA 1716 OH	37	BA M 1716 OH	40.5	1 1/16	26.988	1 5/16	33.338	1	25.40	2040	3900
BA 186 OH	14.5	BA M 186 OH	18.1	1 1/8	28.575	1 3/8	34.925	3/8	9.52	650	910
BA 188 OH	19.5	BA M 188 OH	23	1 1/8	28.575	1 3/8	34.925	1/2	12.70	880	1360
BA 1812 OH	29.5	BA M 1812 OH	33	1 1/8	28.575	1 3/8	34.925	3/4	19.05	1530	2750
BA 1816 OH	39	BA M 1816 OH	42.5	1 1/8	28.575	1 3/8	34.925	1	25.40	2090	4110
BA 1820 OH	48.5	BA M 1820 OH	52	1 1/8	28.575	1 3/8	34.925	1 1/4	31.75	2620	5490
BA 1910 OH	32.5	BA M 1910 OH	37.5	1 3/16	30.162	1 1/2	38.100	5/8	15.88	1530	2300
BA 1916 OH	52	BA M 1916 OH	57	1 3/16	30.162	1 1/2	38.100	1	25.40	2630	4620
BA 208 OH	21.5	BA M 208 OH	26	1 1/4	31.750	1 1/2	38.100	1/2	12.70	930	1500
BA 2010 OH	27	BA M 2010 OH	31.5	1 1/4	31.750	1 1/2	38.100	5/8	15.88	1280	2260
BA 2012 OH	32.5	BA M 2012 OH	37	1 1/4	31.750	1 1/2	38.100	3/4	19.05	1600	3020
BA 2016 OH	43	BA M 2016 OH	47.5	1 1/4	31.750	1 1/2	38.100	1	25.40	2190	4520
BA 2020 OH	53.5	BA M 2020 OH	58	1 1/4	31.750	1 1/2	38.100	1 1/4	31.75	2750	6040



DRAWN CUP NEEDLE ROLLER BEARINGS

Inch Dimensions

BA & BAM Series



Dimension Table of BA & BAM Series

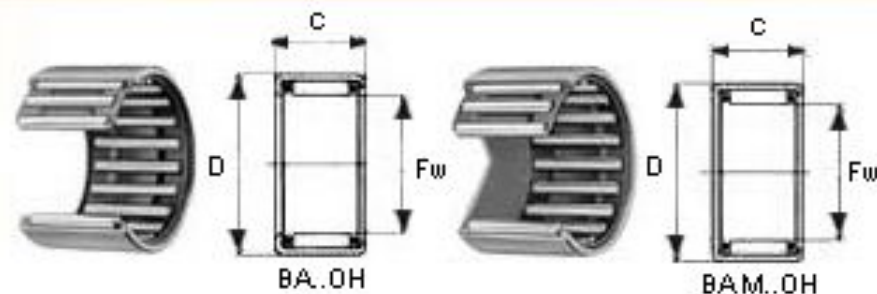
Designation	Weight (g)	Designation	Weight (g)	Dimensions						Basic Dynamic Load Rating (Kgf)	Basic Static Load Rating (Kgf)
				F _w		D		C			
				inch	mm	inch	mm	inch	mm		
BA 218 OH	28.5	BA M 218 OH	35	1 5/16	33.338	1 5/8	41.275	1/2	12.70	1130	1610
BA 2110 OH	35.5	BA M 2110 OH	41.5	1 5/16	33.338	1 5/8	41.275	5/8	15.88	1570	2440
BA 2112 OH	43	BA M 2112 OH	49	1 5/16	33.338	1 5/8	41.275	3/4	19.05	1970	3270
BA 228 OH	23.5	BA M 228 OH	29	1 3/8	34.925	1 5/8	41.275	1/2	12.70	1000	1700
BA 2212 OH	35.5	BA M 2212 OH	41	1 3/8	34.925	1 5/8	41.275	3/4	19.05	1720	3420
BA 2216 OH	47.5	BA M 2216 OH	53	1 3/8	34.925	1 5/8	41.275	1	25.40	2350	5120
BA 2220 OH	59	BA M 2220 OH	64	1 3/8	34.925	1 5/8	41.275	1 1/4	31.75	2950	6840
BA 248 OH	38.5	BA M 248 OH	47.5	1 1/2	38.100	1 7/8	47.625	1/2	12.70	1320	1820
BA 2410 OH	48.5	BA M 2410 OH	57.5	2 1/2	38.100	1 7/8	47.625	5/8	15.88	1820	2770
BA 2412 OH	58.5	BA M 2412 OH	67.5	1 1/2	38.100	1 7/8	47.625	3/4	19.05	2300	3740
BA 2414 OH	69	BA M 2414 OH	78	1 1/2	38.100	1 7/8	47.625	7/8	22.22	2720	4650
BA 2416 OH	79	BA M 2416 OH	88	1 1/2	38.100	1 7/8	47.625	1	25.40	3170	5650
BA 2420 OH	97.5	BA M 2420 OH	106	1 1/2	38.100	1 7/8	47.625	1 1/4	31.75	3980	7570
BA 268 OH	41	BA M 268 OH	51.5	1 5/8	41.275	2	50.800	1/2	12.70	1400	2020
BA 2610 OH	52	BA M 2610 OH	62.5	1 5/8	41.275	2	50.800	5/8	15.88	1930	3060
BA 2616 OH	85	BA M 2616 OH	95.5	1 5/8	41.275	2	50.800	1	25.40	3370	6250
BA 2620 OH	105	BA M 2620 OH	115	1 5/8	41.275	2	50.800	1 1/4	31.75	4220	8370
BA 2812 OH	67.5	BA M 2812 OH	79.5	1 3/4	44.450	2 1/8	53.975	3/4	19.05	2570	4540
BA 2816 OH	91	BA M 2816 OH	103	1 3/4	44.450	2 1/8	53.975	1	25.40	3540	6870
BA 2820 OH	112	BA M 2820 OH	125	1 3/4	44.450	2 1/8	53.975	1 1/4	31.75	4450	9190
BA 2824 OH	136	BA M 2824 OH	148	1 3/4	44.450	2 1/8	53.975	1 1/2	38.10	5300	11500
BA 308 OH	47.5	BA M 308 OH	61	1 7/8	47.625	2 1/4	57.150	1/2	12.70	1500	2320
BA 3010 OH	60	BA M 3010 OH	74	1 7/8	47.625	2 1/4	57.150	5/8	15.88	2070	3520
BA 3012 OH	72.5	BA M 3012 OH	88.5	1 7/8	47.625	2 1/4	57.150	3/4	19.05	2620	4750
BA 3016 OH	97.5	BA M 3016 OH	112	1 7/8	47.625	2 1/4	57.150	1	25.40	3610	7190
BA 328 OH	50	BA M 328 OH	66	2	50.800	2 3/8	60.325	1/2	12.70	1570	2520
BA 3216 OH	104	BA M 3216 OH	119	2	50.800	2 3/8	60.325	1	25.40	3780	7800
BA 3220 OH	128	BA M 3220 OH	144	2	50.800	2 3/8	60.325	1 1/4	31.75	4750	10400



DRAWN CUP NEEDLE ROLLER BEARINGS

Inch Dimensions

BA & BAM Series



Dimension Table of BA & BAM Series

Designation	Weight (g)	Designation	Weight (g)	Dimensions						Basic Dynamic Load Rating (Kgf)	Basic Static Load Rating (Kgf)
				Fw		D		C			
				inch	mm	inch	mm	inch	mm		
BA 3224 OH	155	BA M 3224 OH	170	2	50.800	2 3/8	60.325	1 1/2	38.1	5880	13100
BA 3228 OH	180	BA M 3228 OH	196	2	50.800	2 3/8	60.325	1 3/4	44.45	5880	13800
BA 348 OH	53	BA M 348 OH	70.5	2 1/8	53.975	2 1/2	63.500	1/2	12.70	1640	2720
BA 3416 OH	109	BA M 3416 OH	127	2 1/8	53.975	2 1/2	63.500	1	25.40	3950	8420
BA 3424 OH	162	BA M 3424 OH	180	2 1/8	53.975	2 1/2	63.500	1 1/2	38.10	5910	14100
BA 3612 OH	85.5	BA M 3612 OH	105	2 1/4	57.150	2 5/8	66.675	3/4	19.05	2910	5770
BA 3616 OH	115	BA M 3616 OH	135	2 1/4	57.150	2 5/8	66.675	1	25.40	4010	8730
BA 3620 OH	143	BA M 3620 OH	163	2 1/4	57.150	2 5/8	66.675	1 1/4	31.75	5040	11700
BA 3624 OH	172	BA M 3624 OH	192	2 1/4	57.150	2 5/8	66.675	1 1/2	38.10	6000	14600
BA 4216 OH	133	BA M 4216 OH	161	2 5/8	66.675	3	76.200	1	25.40	4280	9990
BA 4410 OH	85.5	BA M 4410 OH	115	2 3/4	69.850	3 1/8	79.375	5/8	15.88	2550	5190
BA 4412 OH	103	BA M 4412 OH	133	2 3/4	69.850	3 1/8	79.375	3/4	19.05	3220	7010
BA 4416 OH	139	BA M 4416 OH	169	2 3/4	69.850	3 1/8	79.375	1	25.40	4440	10600
BA 4420 OH	173	BA M 4420 OH	205	2 3/4	69.850	3 1/8	79.375	1 1/4	31.75	5570	14200