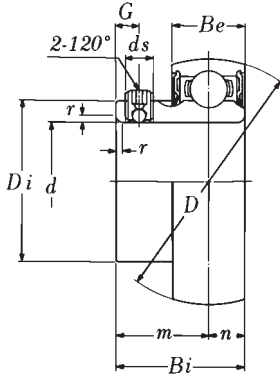




Units: Millimeters
INCHES

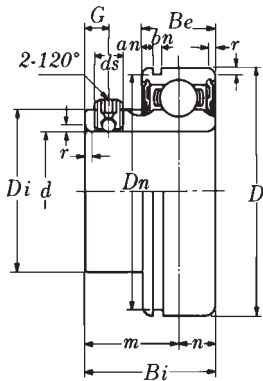


AS2

BALL BEARING INSERTS – AS2 SERIES

Bore <i>d</i>	Bearing Number	Nominal Dimensions								Socket Set Screw <i>ds</i>	Basic Load Ratings (lbs)	
		<i>D</i>	<i>Bi</i>	<i>Be</i>	<i>r</i>	<i>n</i>	<i>m</i>	<i>G</i>	<i>Di</i>		Dynamic <i>C</i>	Static <i>C₀</i>
12 ½	AS201 AS201-008	40 1.5748	22 .866	12 .472	1 .039	6 .236	16 .630	4.2 .165	24.4 .961	M5 X 0.8 10-32UNF	2,160	1,030
15 9/16 5/8	AS202 AS202-009 AS202-010	40 1.5748	22 .866	12 .472	1 .039	6 .236	16 .630	4.2 .165	24.4 .961	M5 X 0.8 10-32UNF	2,160	1,030
17 1 1/16	AS203 * AS203-011	40 1.5748	22 .866	12 .472	1 .039	6 .236	16 .630	4.2 .165	24.4 .961	M5 X 0.8 10-32UNF	2,160	1,030
20 ¾	AS204 AS204-012	47 1.8504	25 .984	14 .551	1.5 .059	7 .276	18 .708	4.2 .165	29.6 1.165	M5 X 0.8 10-32UNF	2,890	1,500
25 1 3/16 7/8 1 1/8	AS205 AS205-013 AS205-014 AS205-015 AS205-100	52 2.0472	27 1.063	15 .591	1.5 .059	7.5 .295	19.5 .768	5 .197	33.9 1.335	M5 X 0.8 10-32UNF	3,150	1,760
30 1 1/16 1 1/8 1 3/16 1 1/4	AS206 AS206-101 AS206-102 AS206-103 * AS206-104	62 2.4409	29 1.142	16 .630	1.5 .059	8 .315	21 .827	5 .197	40.8 1.606	M6 X 0.75 ¼-28UNF	4,400	2,540
35 1 ¼ 1 5/16 1 ¾ 1 7/16	AS207 AS207-104 AS207-105 AS207-106 * AS207-107	72 2.8349	34 1.339	17 .669	2 .079	8.5 .335	25.5 1.004	6 .236	46.8 1.843	M6 X 0.75 ¼-28UNF	5,750	3,440
40 1 ½ 1 9/16	AS208 AS208-108 AS208-109	80 3.1496	38 1.496	18 .709	2 .079	9 .354	29 1.142	8 .315	53 2.087	M8 X 1 5/16-24UNF	6,540	4,000

* Indicates units with notched set screw as standard



ASS2

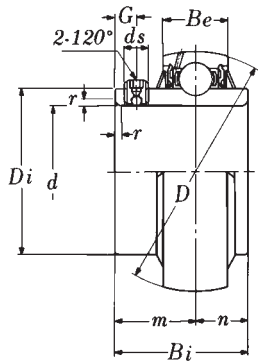
BALL BEARING INSERTS – ASS2 SERIES

Bore <i>d</i>	Bearing Number	Nominal Dimensions											Socket Set Screw <i>ds</i>	Basic Load Ratings (lbs)	
		<i>D</i>	<i>Bi</i>	<i>Be</i>	<i>r</i>	<i>n</i>	<i>m</i>	<i>G</i>	<i>Di</i>	<i>Dn</i>	<i>an</i>	<i>bn</i>		Dynamic <i>C</i>	Static <i>C₀</i>
12 ½	ASS201N ASS201-008N	40 1.5748	22 .866	12 .472	1 .039	6 .236	16 .630	4.2 .165	24.4 .961	38.1 1.500	1.98 .078	1.5 .059	M5 X 0.8 10-32UNF	2,160	1,030
15 9/16 5/8	ASS202N ASS202-009N ASS202-010N	40 1.5748	22 .866	12 .472	1 .039	6 .236	16 .630	4.2 .165	24.4 .961	38.1 1.500	1.98 .078	1.5 .059	M5 X 0.8 10-32UNF	2,160	1,030
17 1 1/16	ASS203N * ASS203-011N	40 1.5748	22 .866	12 .472	1 .039	6 .236	16 .630	4.2 .165	24.4 .961	38.1 1.500	1.98 .078	1.5 .059	M5 X 0.8 10-32UNF	2,160	1,030
20 ¾	ASS204N ASS204-012N	47 1.8504	25 .984	14 .551	1.5 .059	7 .276	18 .708	4.2 .165	29.6 1.165	44.6 1.756	2.38 .094	1.5 .059	M5 X 0.8 10-32UNF	2,890	1,500
25 1 3/16 7/8 1 1/8	ASS205N ASS205-013N ASS205-014N ASS205-015N ASS205-100N	52 2.0472	27 1.063	15 .591	1.5 .059	7.5 .295	19.5 .768	5 .197	33.9 1.335	49.73 1.958	2.38 .094	1.5 .059	M5 X 0.8 10-32UNF	3,150	1,760
30 1 1/16 1 1/8 1 3/16 1 1/4	ASS206N ASS206-101N ASS206-102N ASS206-103N * ASS206-104N	62 2.4409	29 1.142	16 .630	1.5 .059	8 .315	21 .827	5 .197	40.8 1.606	59.61 2.347	3.18 .125	2.05 .081	M6 X 0.75 ¼-28UNF	4,400	2,540
35 1 ¼ 1 5/16 1 ¾ 1 7/16	ASS207N ASS207-104N ASS207-105N ASS207-106N * ASS207-107N	72 2.8349	34 1.339	17 .669	2 .079	8.5 .335	25.5 1.004	6 .236	46.8 1.843	68.81 2.709	3.18 .125	2.05 .081	M6 X 0.75 ¼-28UNF	5,750	3,440
40 1 ½ 1 9/16	ASS208N ASS208-108N ASS208-109N	80 3.1496	38 1.496	18 .709	2 .079	9 .354	29 1.142	8 .315	53 2.087	76.81 3.024	3.18 .125	2.05 .081	M8 X 1 5/16-24UNF	6,540	4,000

* Indicates units with notched set screw as standard



Units: **Millimeters**
INCHES



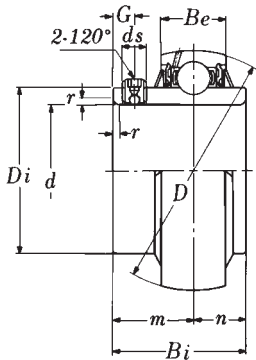
BALL BEARING INSERTS

Bore <i>d</i>	Bearing Number	Nominal Dimensions								Socket Set Screw <i>ds</i>	Basic Load Ratings (lbs)	
		<i>D</i>	<i>Bi</i>	<i>Be</i>	<i>r</i>	<i>n</i>	<i>m</i>	<i>G</i>	<i>Di</i>		Dynamic <i>C</i>	Static <i>C₀</i>
12 ½	UC201D1 UC201-008D1	47 1.8504	31 1.220	18 .709	1 .039	12.7 .500	18.3 .720	4.5 .177	29.6 1.165	M5 X 0.8 10-32UNF	2,890	1,500
15 9/16 5/8	UC202D1 UC202-009D1 UC202-010D1	47 1.8504	31 1.220	18 .709	1 .039	12.7 .500	18.3 .720	4.5 .177	29.6 1.165	M5 X 0.8 10-32UNF	2,890	1,500
17 1 1/16	UC203D1 UC203-011D1	47 1.8504	31 1.220	18 .709	1 .039	12.7 .500	18.3 .720	4.5 .177	29.6 1.165	M5 X 0.8 10-32UNF	2,890	1,500
20 ¾	UC204D1 UC204-012D1	47 1.8504	31 1.220	18 .709	1.5 .059	12.7 .500	18.3 .720	4.5 .177	29.6 1.165	M5 X 0.8 10-32UNF	2,890	1,500
25 1 3/16 7/8 1 5/16 1	UC205D1 UC205-013D1 UC205-014D1 UC205-015D1 UC205-100D1	52 2.0472	34 1.339	18 .709	1.5 .059	14.3 .563	19.7 .776	5 .197	33.9 1.335	M5 X 0.8 10-32UNF	3,150	1,760
30 1 1/16 1 1/8 1 3/8 1 1/4	UC206D1 UC206-101D1 UC206-102D1 UC206-103D1 * UC206-104D1	62 2.4409	38.1 1.500	20 .787	1.5 .059	15.9 .626	22.2 .874	5 .197	40.8 1.606	M6 X 0.75 ¼-28UNF	4,400	2,540
35 1 ¼ 1 5/16 1 3/8 1 7/16	UC207D1 UC207-104D1 UC207-105D1 UC207-106D1 * UC207-107D1	72 2.8346	42.9 1.689	22 .866	2 .079	17.5 .689	25.4 1.000	6 .236	46.8 1.843	M6 X 0.75 ¼-28UNF	5,750	3,440
40 1 ½ 1 9/16	UC208D1 UC208-108D1 UC208-109D1	80 3.1496	49.2 1.937	24 .945	2 .079	19 .748	30.2 1.189	8 .315	53 2.087	M8 X 1 5/16-24UNF	6,550	4,000
45 1 5/8 1 11/16 1 ¾	UC209D1 UC209-110D1 UC209-111D1 UC209-112D1	85 3.3465	49.2 1.937	24 .945	2 .079	19 .748	30.2 1.189	8 .315	57.5 2.264	M8 X 1 5/16-24UNF	7,350	4,590
50 1 13/16 1 7/8 1 15/16 2	UC210D1 UC210-113D1 UC210-114D1 UC210-115D1 UC210-200D1	90 3.5433	51.6 2.031	25 .984	2 .079	19 .748	32.6 1.283	9 .354	62.4 2.457	M8 X 1 5/16-24UNF	7,900	5,220
55 2 2 1/16 2 1/8 2 3/16	UC211D1 UC211-200D1 UC211-201D1 UC211-202D1 UC211-203D1	100 3.9370	55.6 2.189	27 1.063	2.5 .098	22.2 .874	33.4 1.315	9 .354	69 2.717	M8 X 1 5/16-24UNF	9,750	6,560
60 2 ¼ 2 3/8 2 7/16	UC212D1 UC212-204D1 UC212-206D1 * UC212-207D1	110 4.3307	65.1 2.563	30 1.181	2.5 .098	25.4 1.000	39.7 1.563	10 3.94	77 3.031	M10 X 1.25 ¾-24UNF	11,800	8,100
65 2 ½	UC213D1 UC213-208D1	120 4.7244	65.1 2.563	32 1.260	2.5 .098	25.4 1.000	39.7 1.563	10 .394	82.5 3.248	M10 X 1.25 ¾-24UNF	12,900	9,000
70 2 11/16 2 ¾	UC214D1 UC214-211D1 UC214-212D1	125 4.9213	74.6 2.937	33 1.299	2.5 .098	30.2 1.189	44.4 1.748	12 .472	87 3.425	M10 X 1.25 ¾-24UNF	14,000	9,900
75 2 15/16 3	UC215D1 UC215-215D1 UC215-300D1	130 5.1181	77.8 3.063	34 1.339	2.5 .098	33.3 1.311	44.5 1.752	12 .472	93 3.661	M10 X 1.25 ¾-24UNF	14,900	11,100
80 3 1/8	UC216D1 UC216-302D1	140 5.5118	82.6 3.252	35 1.378	3 .118	33.3 1.311	49.3 1.941	12 .472	98.1 3.862	M10 X 1.25 ¾-24UNF	16,300	11,900
85 3 ¼	UC217D1 UC217-304D1	150 5.9055	85.7 3.374	36 1.417	3 .118	34.1 1.343	51.6 2.031	12 .472	106.1 4.177	M12 X 1.5 ½-20UNF	18,700	14,400
90 3 ½	UC218D1 UC218-308D1	160 6.2992	96 3.780	37 1.457	3 .118	39.7 1.563	56.3 2.217	12 .472	111.6 4.394	M12 X 1.5 ½-20UNF	21,600	16,100

* Indicates units with notched set screw as standard.



Units: Millimeters
INCHES



BALL BEARING INSERTS

Bore <i>d</i>	Bearing Number	Nominal Dimensions								Socket Set Screw <i>ds</i>	Basic Load Ratings (lbs)	
		<i>D</i>	<i>Bi</i>	<i>Be</i>	<i>r</i>	<i>n</i>	<i>m</i>	<i>G</i>	<i>Di</i>		Dynamic <i>C</i>	Static <i>C₀</i>
25 7/8 15/16 1	UC305D1 UC305-014D1 UC305-015D1 UC305-100D1	62 2.4409	38 1.496	20 .787	2 .079	15 .591	23 .906	6 .236	36.8 1.449	M6 X 0.75 1/4-28UNF	4,750	2,460
30 1 1/8 1 1/16	UC306D1 UC306-102D1 UC306-103D1	72 2.8346	43 1.693	23 .906	2 .079	17 .669	26 1.024	6 .236	44.9 1.768	M6 X 0.75 1/4-28UNF	6,000	3,400
35 1 1/4 1 1/16 1 3/8 1 7/16	UC307D1 UC307-104D1 UC307-105D1 UC307-106D1 UC307-107D1	80 3.1496	48 1.890	25 .984	2.5 .098	19 .748	29 1.142	8 .315	49.4 1.945	M8 X 1 5/16-24UNF	7,500	4,300
40 1 1/2	UC308D1 UC308-108D1	90 3.5433	52 2.047	27 1.063	2.5 .098	19 .748	33 1.299	10 .394	56 2.205	M10 X 1.25 3/8-24UNF	9,150	5,400
45 1 5/8 1 11/16 1 3/4	UC309D1 UC309-110D1 UC309-111D1 UC309-112D1	100 3.9370	57 2.244	29 1.142	2.5 .098	22 .866	35 1.378	10 .394	63.5 2.500	M10 X 1.25 3/8-24UNF	11,900	7,200
50 1 7/8 1 15/16	UC310D1 UC310-114D1 UC310-115D1	110 4.3307	61 2.402	32 1.260	3 .118	22 .866	39 1.535	12 .472	70.6 2.780	M12 X 1.5 1/2-20UNF	13,900	8,660
55 2 2 1/8 2 3/16	UC311D1 UC311-200D1 UC311-202D1 UC311-203D1	120 4.7244	66 2.598	34 1.339	3 .118	25 .984	41 1.614	12 .472	76.6 3.016	M12 X 1.5 1/2-20UNF	16,100	10,100
60 2 1/4 2 3/8 2 7/16	UC312D1 UC312-204D1 UC312-206D1 UC312-207D1	130 5.1181	71 2.795	36 1.417	3.5 .138	26 1.024	45 1.772	12 .472	82.7 3.256	M12 X 1.5 1/2-20UNF	18,400	11,700
65 2 1/2	UC313D1 UC313-208D1	140 5.5118	75 2.953	39 1.535	3.5 .138	30 1.181	45 1.772	12 .472	88.2 3.472	M12 X 1.5 1/2-20UNF	20,800	13,400
70 2 11/16 2 3/4	UC314D1 UC314-211D1 UC314-212D1	150 5.9055	78 3.071	41 1.614	3.5 .138	33 1.299	45 1.772	12 .472	94.8 3.732	M12 X 1.5 1/2-20UNF	23,400	15,300
75 2 5/8 3	UC315D1 UC315-215D1 UC315-300D1	160 6.2992	82 3.228	43 1.693	3.5 .138	32 1.260	50 1.969	14 .551	101.3 3.988	M14 X 1.5 5/16-18UNF	25,500	17,400
80 3 1/8 3 3/16	UC316D1 UC316-302D1 UC316-303D1	170 6.6929	86 3.386	45 1.772	3.5 .138	34 1.339	52 2.047	14 .551	107.9 4.248	M14 X 1.5 5/16-18UNF	27,600	19,500
85 3 1/4	UC317D1 UC317-304D1	180 7.0866	96 3.780	47 1.850	4 .157	40 1.575	56 2.205	16 .630	114.4 4.504	M16 X 1.5 5/16-18UNF	29,800	21,800
90 3 7/16 3 1/2	UC318D1 UC318-307D1 UC318-308D1	190 7.4803	96 3.780	49 1.929	4 .157	40 1.575	56 2.205	16 .630	120.9 4.760	M16 X 1.5 5/16-18UNF	32,000	24,100
95 3 3/4	UC319D1 UC319-312D1	200 7.8740	103 4.055	51 2.008	4 .157	41 1.614	62 2.441	16 .630	127.5 5.020	M16 X 1.5 5/16-18UNF	34,500	26,600
100 3 5/8 4	UC320D1 UC320-315D1 UC320-400D1	215 8.4646	108 4.252	55 2.165	4 .157	42 1.654	66 2.598	18 .709	135.6 5.339	M18 X 1.5 5/16-18UNF	39,000	31,500
105	UC321D1	225	112	57	4	44	68	18	142.1	M18 X 1.5	41,400	34,500
110	UC322D1	240	117	59	4	46	71	18	151.7	M18 X 1.5	46,100	40,500
120	UC324D1	260	126	63	4	51	75	18	165.2	M18 X 1.5	46,600	41,500
130	UC326D1	280	135	67	5	54	81	20	178.3	M20 X 1.5	51,500	48,000
140	UC328D1	300	145	71	5	59	86	20	190.4	M20 X 1.5	56,900	55,500