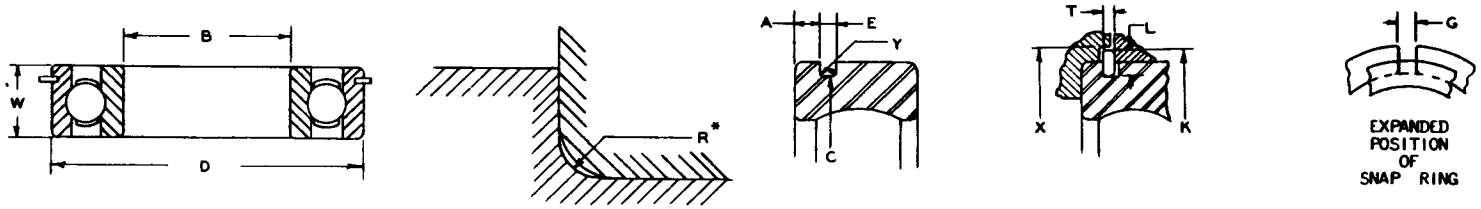
BEARING, BALL, TYPE BC-G

RADIAL, SINGLE ROW, NON-LOADING GROOVE ASSEMBLY, SNAP RING ON OUTER RACE



MEDIUM SERIES

BORE -B- Nominal Diameter Mm.	BORE -B- Nominal Diameter Inch.	BORE -B- Toler. +.0000	OUTSIDE DIAMETER -D- Nominal Diameter Mm.	OUTSIDE DIAMETER -D- Nominal Diameter Inch.	OUTSIDE DIAMETER -D- Toler. +.0000	INDIVIDUAL RING WIDTH W Nominal Width Mm.	INDIVIDUAL RING WIDTH W Nominal Width Inch.	INDIVIDUAL RING WIDTH W Toler. +.000	FILLET RADIUS R* Maximum Mm.	FILLET RADIUS R* Maximum Inch.	ECCENTRICITY TOLERANCE Inch Max. Inner Ring	ECCENTRICITY TOLERANCE Inch Max. Outer Ring	A Tol. ±.003	E Tol. ±.003	C Tol. +.000 -.010	K	T Tol. ±.002	L Tol. ±.003	G	X Minimum	RAD. Y Inch.	ORDNANCE PART NUMBER
10	.3937	-.0003	35	1.3780	-.0005	11	.4331	-.005	.6	.025	.0004	.0008	.078	.056	1.306	1-35/64	.042	.125	1/8	1-37/64	.016	700785
12	.4724	-.0003	37	1.4567	-.0005	12	.4724	-.005	1.0	.04	.0004	.0008	.078	.056	1.369	1-39/64	.042	.125	1/8	1-41/64	.016	700786
15	.5906	-.0003	42	1.6535	-.0005	13	.5118	-.005	1.0	.04	.0004	.0008	.078	.056	1.565	1-13/16	.042	.125	1/8	1-27/32	.016	700787
17	.6693	-.0003	47	1.8504	-.0005	14	.5512	-.005	1.0	.04	.0004	.0008	.094	.056	1.756	2-1/16	.042	.156	1/8	2-3/32	.016	700788
20	.7874	-.0004	52	2.0472	-.0005	15	.5906	-.005	1.0	.04	.0005	.0010	.094	.056	1.958	2-17/64	.042	.156	3/16	2-19/64	.016	700789
													Tol. ±.004		Tol. +.000 -.020							
25	.9843	-.0004	62	2.4409	-.0005	17	.6693	-.005	1.0	.04	.0005	.0010	.125	.078	2.347	2-21/32	.065	.156	3/16	2-11/16	.024	700790
30	1.1811	-.0004	72	2.8346	-.0005	19	.7480	-.005	1.0	.04	.0005	.0010	.125	.078	2.709	3-5/64	.065	.188	3/16	3-9/64	.024	700791
35	1.3780	-.0005	80	3.1496	-.0005	21	.8268	-.005	1.5	.06	.0006	.0010	.125	.078	3.024	3-13/32	.065	.188	3/16	3-15/32	.024	700792
40	1.5748	-.0005	90	3.5433	-.0006	23	.9055	-.005	1.5	.06	.0006	.0014	.125	.109	3.417	3-51/64	.095	.188	3/16	3-55/64	.024	700793
45	1.7717	-.0005	100	3.9370	-.0006	25	.9843	-.005	1.5	.06	.0006	.0014	.125	.109	3.811	4-3/16	.095	.188	3/16	4-1/4	.024	700794
50	1.9685	-.0005	110	4.3307	-.0006	27	1.0630	-.005	2.0	.08	.0006	.0014	.125	.109	4.205	4-37/64	.095	.188	3/16	4-41/64	.024	700795
55	2.1654	-.0006	120	4.7244	-.0006	29	1.1417	-.005	2.0	.08	.0008	.0014	.156			5-3/32	.109					700949
60	2.3622	-.0006	130	5.1181	-.0008	31	1.2205	-.005	2.0	.08	.0008	.0016	.156			5-1/2	.109					700951
65	2.5591	-.0006	140	5.5118	-.0008	33	1.2992	-.005	2.0	.08	.0008	.0016	.188			5-57/64	.109					700036

MATERIAL: HIGH GRADE ALLOY STEEL.

DIMENSIONS IN INCHES AND MILLIMETERS (MM.)

TOLERANCES ARE IN ACCORDANCE WITH ANNULAR BEARING ENGINEERS COMMITTEE (A.B.E.C.) STANDARD TOLERANCE SPECIFICATION "1". OTHER REQUIREMENTS SHALL CONFORM WITH FEDERAL SPECIFICATION FF-B-171 "BEARING, BALL", (LATEST REVISION).

NOTES: *THE CORNER RADIUS OR CHAMFER ON BEARINGS MUST CLEAR THE MAXIMUM FILLET RADIUS GIVEN IN THE TABLE.

NOTES:—For design purposes, use Ordnance Engineering Design Standards, ____CAAX____series. The items contained on this page are for identification, storage, issue and procurement purposes, and shall not be used for design purposes except when Ordnance Engineering Design Standards are not applicable.

Before using any item on this page for any purpose, consult Ordnance Engineering Design Standards Cross Reference publication for recommended supersessions.

For procurement of items on this sheet, G.M. (General Motors) materials and finishes shall be converted to Ordnance materials and finishes. See drawing number MB1.103A.