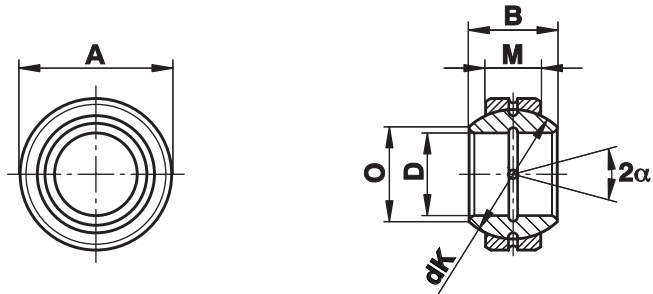


Spherical Plain Bearings Series G - Steel on Steel

Series GE...FO (-2RS)

Spherical Plain Bearings
steel on steel series G
to DIN ISO 12240-1.
Treated with molybdenum
disulphide mos2,
regreasable

For use with higher
pivoting angle



Size (D)	B	M	A	O	dK	Static load C ₀ kN	Dynamic load C kN	Pivoting angle α	Weight g
4 ¹⁾ _{-0,008}	7	4	14 _{-0,008}	7,1	10,0	17,0	3,4	20	5
5 ¹⁾ _{-0,008}	9	5	16 _{-0,008}	9,3	13,0	27,0	5,5	21	8
6 ¹⁾ _{-0,008}	9	5	16 _{-0,008}	9,3	13,0	27,5	5,5	21	8
8 ¹⁾ _{-0,008}	11	6	19 _{-0,009}	11,6	16,0	40,5	8,1	21	14
10 ¹⁾ _{-0,008}	12	7	22 _{-0,009}	13,4	18,0	54,0	10,8	18	21
12 ¹⁾ _{-0,008}	15	9	26 _{-0,009}	16,0	22,0	85,0	17,0	18	36
15 _{-0,008}	16	10	30 _{-0,009}	19,2	25,0	106,0	21,2	16	48
17 _{-0,008}	20	12	35 _{-0,011}	21,0	29,0	146,0	30,0	19	80
20 _{-0,010}	25	16	42 _{-0,011}	25,2	35,5	240,0	48,0	17	152
25 _{-0,010}	28	18	47 _{-0,011}	29,5	40,7	310,0	62,0	17	199
30 _{-0,010}	32	20	55 _{-0,013}	34,4	47,0	400,0	80,0	17	296
35 _{-0,012}	35	22	62 _{-0,013}	39,7	53,0	500,0	100,0	16	402
40 _{-0,012}	40	25	68 _{-0,013}	44,7	60,0	640,0	127,0	17	535
45 _{-0,012}	43	28	75 _{-0,013}	50,0	66,0	780,0	156,0	15	698
50 _{-0,012}	56	36	90 _{-0,015}	57,1	80,0	1220,0	245,0	17	1420
60 _{-0,015}	63	40	105 _{-0,015}	67,0	92,0	1560,0	315,0	17	2090
70 _{-0,015}	70	45	120 _{-0,015}	78,2	105,0	2000,0	400,0	16	3010
80 _{-0,015}	75	50	130 _{-0,018}	87,1	115,0	2450,0	490,0	14	3610
90 _{-0,020}	85	55	150 _{-0,018}	98,3	130,0	3050,0	610,0	15	5500
100 _{-0,020}	85	55	160 _{-0,025}	111,2	140,0	3250,0	655,0	14	6040
110 _{-0,020}	100	70	180 _{-0,025}	124,8	160,0	4750,0	950,0	12	9740
120 _{-0,020}	115	70	210 _{-0,030}	138,4	180,0	5400,0	1080,0	16	15100
140 _{-0,025}	130	80	230 _{-0,030}	151,9	200,0	6800,0	1370,0	16	18900
160 _{-0,025}	135	80	260 _{-0,035}	180,0	225,0	7650,0	1530,0	16	24800
180 _{-0,025}	155	100	290 _{-0,035}	196,1	250,0	10600,0	2120,0	14	35900
200 _{-0,030}	165	100	320 _{-0,040}	220,0	275,0	11600,0	2320,0	15	44900
220 _{-0,030}	175	100	340 _{-0,040}	243,6	300,0	12700,0	2550,0	16	50900
240 _{-0,030}	190	110	370 _{-0,040}	263,6	325,0	15300,0	3050,0	15	65300
260 _{-0,035}	205	120	400 _{-0,040}	283,6	350,0	18000,0	3550,0	15	82000
280 _{-0,035}	210	120	430 _{-0,045}	310,6	375,0	19000,0	3800,0	15	96600

Materials:

Insert: Bearing steel to 100Cr6, Aisi 52100, hardened, ground, phosphated
treated with molybdenum disulphide
from size 15 available sealed from both sides (-2RS)

Ball: Bearing steel to 100Cr6, Aisi 52100, hardened, ground, phosphated
treated with molybdenum disulphide

¹⁾ without lubrication hole



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