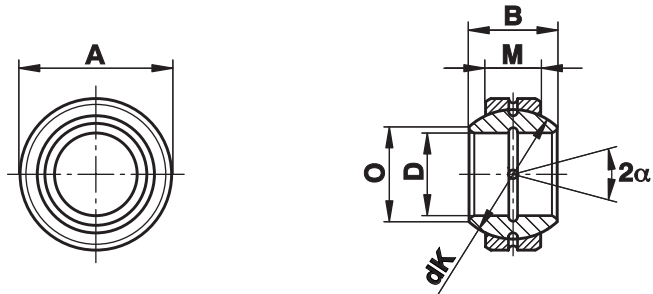


# Spherical Plain Bearings Series G - Steel on Steel

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

<sup>1)</sup> without lubrication hole