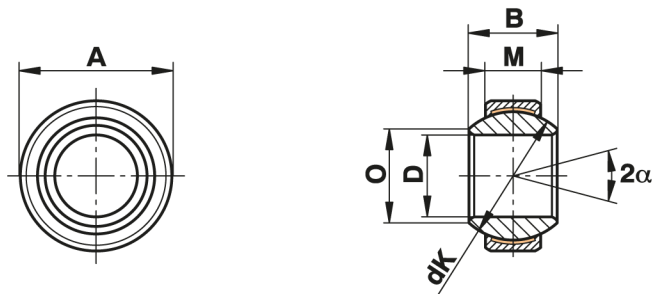


Spherical Plain Bearings Series G - Maintenance Free

Series GE..FW (-2RS)

Spherical Plain Bearings series G to DIN ISO 12240-1. Mating surface hard chromium/PTFE, maintenance free

Higher pivoting angle through wider ball



Size (D)	B	M	A	O	dK	Static load C ₀ kN	Static load C ₀ kN -2RS	Dynamic load C kN	Dynamic load C kN -2RS	Maximum Pivoting Angle α (°)	Weight g
4 ⁰ _{-0,008}	7	4	14 ⁰ _{-0,008}	7,1	10,0	9,1	-	3,6	-	20	5
5 ⁰ _{-0,008}	9	5	16 ⁰ _{-0,008}	9,3	13,0	14,0	-	5,8	-	21	8
6 ⁰ _{-0,008}	9	5	16 ⁰ _{-0,008}	9,3	13,0	14,0	-	5,8	-	21	9
8 ⁰ _{-0,008}	11	6	19 ⁰ _{-0,009}	11,6	16,0	21,0	-	8,6	-	21	14
10 ⁰ _{-0,008}	12	7	22 ⁰ _{-0,009}	13,4	18,0	28,0	-	11,0	-	18	21
12 ⁰ _{-0,008}	15	9	26 ⁰ _{-0,009}	16,0	22,0	45,0	-	18,0	-	18	33
15 ⁰ _{-0,008}	16	10	30 ⁰ _{-0,009}	19,2	25,0	56,0	75,0	22,0	32,0	16	49
17 ⁰ _{-0,008}	20	12	35 ⁰ _{-0,011}	21,0	29,0	78,0	104,0	31,0	45,0	19	83
20 ⁰ _{-0,010}	25	16	42 ⁰ _{-0,011}	25,2	35,5	127,0	204,0	51,0	85,0	17	153
25 ⁰ _{-0,010}	28	18	47 ⁰ _{-0,011}	29,5	40,7	166,0	263,0	65,0	110,0	17	203
30 ⁰ _{-0,010}	32	20	55 ⁰ _{-0,013}	34,4	47,0	211,0	338,0	84,0	140,0	17	304
35 ⁰ _{-0,012}	35	22	62 ⁰ _{-0,013}	39,7	53,0	262,0	419,0	104,0	175,0	16	408
40 ⁰ _{-0,012}	40	25	68 ⁰ _{-0,013}	44,7	60,0	337,0	540,0	135,0	225,0	17	542
45 ⁰ _{-0,012}	43	28	75 ⁰ _{-0,013}	50,0	66,0	415,0	665,0	166,0	275,0	15	713
50 ⁰ _{-0,012}	56	36	90 ⁰ _{-0,015}	57,1	80,0	-	1030,0	-	430,0	17	1420
60 ⁰ _{-0,015}	63	40	105 ⁰ _{-0,015}	67,0	92,0	-	1320,0	-	550,0	17	2090
70 ⁰ _{-0,015}	70	45	120 ⁰ _{-0,015}	78,2	105,0	-	1700,0	-	705,0	16	3010
80 ⁰ _{-0,015}	75	50	130 ⁰ _{-0,018}	87,1	115,0	-	2070,0	-	860,0	14	3610
90 ⁰ _{-0,020}	85	55	150 ⁰ _{-0,018}	98,3	130,0	-	2570,0	-	1070,0	15	5500
100 ⁰ _{-0,020}	85	55	160 ⁰ _{-0,025}	111,2	140,0	-	2770,0	-	1150,0	14	6040
110 ⁰ _{-0,020}	100	70	180 ⁰ _{-0,025}	124,8	160,0	-	4030,0	-	1680,0	12	9740
120 ⁰ _{-0,020}	115	70	210 ⁰ _{-0,030}	138,4	180,0	-	4530,0	-	1890,0	16	15100
140 ¹⁾ _{-0,025}	130	80	230 ⁰ _{-0,030}	151,9	200,0	-	5760,0	-	2400,0	16	18900
160 ¹⁾ _{-0,025}	135	80	260 ⁰ _{-0,035}	180,0	225,0	-	6480,0	-	2700,0	16	24800
180 ¹⁾ _{-0,025}	155	100	290 ⁰ _{-0,035}	196,1	250,0	-	9000,0	-	3750,0	14	35900
200 ¹⁾ _{-0,030}	165	100	320 ⁰ _{-0,040}	220,0	275,0	-	9900,0	-	4120,0	15	44900
220 ¹⁾ _{-0,030}	175	100	340 ⁰ _{-0,040}	243,6	300,0	-	10800,0	-	4500,0	16	50900
240 ¹⁾ _{-0,030}	190	110	370 ⁰ _{-0,040}	263,6	325,0	-	12870,0	-	5360,0	15	65300
260 ¹⁾ _{-0,035}	205	120	400 ⁰ _{-0,040}	283,6	350,0	-	15120,0	-	6300,0	15	82000
280 ¹⁾ _{-0,035}	210	120	430 ⁰ _{-0,045}	310,6	375,0	-	16200,0	-	6750,0	15	96600

Materials:

Insert: Bearing steel with PTFE liner bonded to the inner surface
from size 15 available sealed (-2RS) on both sides
from size 35 only available sealed (-2RS) on both sides

Ball: Bearing steel to 100Cr6, Aisi 52100, hardened, ground, polished, hard chrome plated on the running surface

1) from size 120 the hardened inserts are two pieced and secured with tension spring