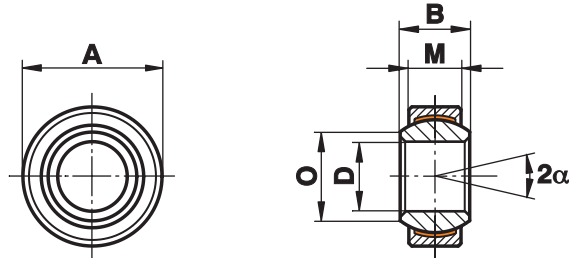


# Spherical Plain Bearings Series E - Maintenance Free

## Series GE...EC (-2RS)

Spherical Plain Bearings,  
steel running on PTFE,  
maintenance free

For use at high uni-  
directional loads



Size (D)	B	M	A	O	dK	Static load C <sub>0</sub> kN	Static load C <sub>0</sub> kN -2RS	Dynamic load C kN	Dynamic load C kN -2RS	Pivoting angle α	Weight g
4 <sup>0</sup> <sub>-0,008</sub>	5	3	12 <sup>0</sup> <sub>-0,008</sub>	6,0	8,0	5,4	-	2,1	-	16	3
5 <sup>0</sup> <sub>-0,008</sub>	6	4	14 <sup>0</sup> <sub>-0,008</sub>	8,0	10,0	9,1	-	3,6	-	13	4
6 <sup>0</sup> <sub>-0,008</sub>	6	4	14 <sup>0</sup> <sub>-0,008</sub>	8,0	10,0	9,1	-	3,6	-	13	4
8 <sup>0</sup> <sub>-0,008</sub>	8	5	16 <sup>0</sup> <sub>-0,008</sub>	10,2	13,0	14,0	-	5,8	-	15	7
10 <sup>0</sup> <sub>-0,008</sub>	9	6	19 <sup>0</sup> <sub>-0,009</sub>	13,2	16,0	21,0	-	8,6	-	12	11
12 <sup>0</sup> <sub>-0,008</sub>	10	7	22 <sup>0</sup> <sub>-0,009</sub>	14,9	18,0	28,0	-	11,0	-	11	17
15 <sup>0</sup> <sub>-0,008</sub>	12	9	26 <sup>0</sup> <sub>-0,009</sub>	18,4	22,0	45,0	59,0	18,0	17,5	8	26
16 <sup>0</sup> <sub>-0,008</sub>	14	10	30 <sup>0</sup> <sub>-0,009</sub>	20,7	25,0	56,0	56,0	22,0	22,5	10	40
17 <sup>0</sup> <sub>-0,008</sub>	14	10	30 <sup>0</sup> <sub>-0,009</sub>	20,7	25,0	56,0	75,0	22,0	22,5	10	40
20 <sup>0</sup> <sub>-0,010</sub>	16	12	35 <sup>0</sup> <sub>-0,011</sub>	24,1	29,0	78,0	104,0	31,0	31,5	9	64
25 <sup>0</sup> <sub>-0,010</sub>	20	16	42 <sup>0</sup> <sub>-0,011</sub>	29,3	35,5	127,0	204,0	51,0	51,0	7	115
30 <sup>0</sup> <sub>-0,010</sub>	22	18	47 <sup>0</sup> <sub>-0,011</sub>	34,2	40,7	166,0	263,0	65,0	66,0	6	149
35 <sup>0</sup> <sub>-0,012</sub>	25	20	55 <sup>0</sup> <sub>-0,013</sub>	39,7	47,0	211,0	338,0	84,0	140,0	6	228
40 <sup>0</sup> <sub>-0,012</sub>	28	22	62 <sup>0</sup> <sub>-0,013</sub>	45,0	53,0	262,0	419,0	104,0	185,0	7	318
45 <sup>0</sup> <sub>-0,012</sub>	32	25	68 <sup>0</sup> <sub>-0,013</sub>	50,7	60,0	337,0	540,0	135,0	240,0	7	421
50 <sup>0</sup> <sub>-0,012</sub>	35	28	75 <sup>0</sup> <sub>-0,013</sub>	55,9	66,0	415,0	665,0	166,0	295,0	6	562
55 <sup>0</sup> <sub>-0,015</sub>	40	32	85 <sup>0</sup> <sub>-0,015</sub>	62,3	74,0	-	852,0	-	355,0	7	864
60 <sup>0</sup> <sub>-0,015</sub>	44	36	90 <sup>0</sup> <sub>-0,015</sub>	66,8	80,0	-	1030,0	-	460,0	6	1030
70 <sup>0</sup> <sub>-0,015</sub>	49	40	105 <sup>0</sup> <sub>-0,015</sub>	77,8	92,0	-	1320,0	-	590,0	6	1570
80 <sup>0</sup> <sub>-0,015</sub>	55	45	120 <sup>0</sup> <sub>-0,015</sub>	89,4	105,0	-	1700,0	-	750,0	6	2320
90 <sup>0</sup> <sub>-0,020</sub>	60	50	130 <sup>0</sup> <sub>-0,018</sub>	98,1	115,0	-	2070,0	-	920,0	5	2790
100 <sup>0</sup> <sub>-0,020</sub>	70	55	150 <sup>0</sup> <sub>-0,018</sub>	109,5	130,0	-	2570,0	-	1145,0	7	4440
110 <sup>0</sup> <sub>-0,020</sub>	70	55	160 <sup>0</sup> <sub>-0,025</sub>	121,2	140,0	-	2770,0	-	1230,0	6	4830
120 <sup>0</sup> <sub>-0,020</sub>	85	70	180 <sup>0</sup> <sub>-0,025</sub>	135,5	160,0	-	4030,0	-	1790,0	6	8110
140 <sup>1)</sup> <sub>-0,025</sub>	90	70	210 <sup>0</sup> <sub>-0,030</sub>	155,8	180,0	-	4530,0	-	2010,0	7	11200
160 <sup>1)</sup> <sub>-0,025</sub>	105	80	230 <sup>0</sup> <sub>-0,030</sub>	170,2	200,0	-	5760,0	-	2560,0	8	14100
180 <sup>1)</sup> <sub>-0,025</sub>	105	80	260 <sup>0</sup> <sub>-0,035</sub>	198,9	225,0	-	6480,0	-	2880,0	6	18500
200 <sup>1)</sup> <sub>-0,030</sub>	130	100	290 <sup>0</sup> <sub>-0,035</sub>	213,5	250,0	-	9000,0	-	4000,0	7	28400
220 <sup>1)</sup> <sub>-0,030</sub>	135	100	320 <sup>0</sup> <sub>-0,040</sub>	239,5	275,0	-	9900,0	-	4400,0	8	35700
240 <sup>1)</sup> <sub>-0,030</sub>	140	100	340 <sup>0</sup> <sub>-0,040</sub>	265,3	300,0	-	10800,0	-	4800,0	8	39700
260 <sup>1)</sup> <sub>-0,035</sub>	150	110	370 <sup>0</sup> <sub>-0,040</sub>	288,3	325,0	-	12870,0	-	5700,0	7	51500
280 <sup>1)</sup> <sub>-0,035</sub>	155	120	400 <sup>0</sup> <sub>-0,040</sub>	313,8	350,0	-	15120,0	-	6700,0	6	64900
300 <sup>1)</sup> <sub>-0,035</sub>	165	120	430 <sup>0</sup> <sub>-0,045</sub>	336,7	375,0	-	16200,0	-	7200,0	7	77600

### Materials:

**Insert:** Bearing steel to 100Cr6, Aisi 52100, with PTFE liner, bonded to the inner surface  
from size 15 available sealed from both sides (-2RS)  
from size 55 only sealed from both sides (-2RS)

**Ball:** Bearing steel to 100Cr6, Aisi 52100, hardened, ground, polished, hard chrome plated

<sup>1)</sup> from size 140 the hardened inserts are two pieced and secured with tension spring

**FLURO-Gelenklager GmbH**