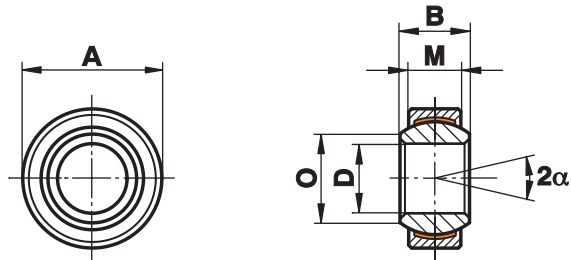


Spherical Plain Bearings Series E - Stainless, Maintenance Free

Series GE...EC-NIRO

Spherical Plain Bearings
stainless steel running
on PTFE, maintenance
free

For use at high uni-
directional loads in
corrosive environments



Size (D)	B	M	A	O	dK	Static load C ₀ kN	Dynamic load C kN	Pivoting angle α	Weight g
6 ⁰ _{-0,008}	6	4	14 ⁰ _{-0,008}	8,0	10,0	9,0	4	13	4
8 ⁰ _{-0,008}	8	5	16 ⁰ _{-0,008}	10,2	13,0	15,6	7	15	7
10 ⁰ _{-0,008}	9	6	19 ⁰ _{-0,009}	13,2	16,0	23,4	10	12	11
12 ⁰ _{-0,008}	10	7	22 ⁰ _{-0,009}	14,9	18,0	32,0	14	11	16
15 ⁰ _{-0,008}	12	9	26 ⁰ _{-0,009}	18,4	22,0	50,0	30	8	26
16 ⁰ _{-0,008}	14	10	30 ⁰ _{-0,009}	20,7	25,0	65,0	39	10	49
17 ⁰ _{-0,008}	14	10	30 ⁰ _{-0,009}	20,7	25,0	65,0	39	10	38
20 ⁰ _{-0,010}	16	12	35 ⁰ _{-0,011}	24,2	29,0	90,5	54	9	61
25 ⁰ _{-0,010}	20	16	42 ⁰ _{-0,011}	29,3	35,5	159,0	96	7	110
30 ⁰ _{-0,010}	22	18	47 ⁰ _{-0,011}	34,2	40,7	197,0	118	6	140
35 ⁰ _{-0,012}	25	20	55 ⁰ _{-0,013}	39,8	47,0	298,0	153	6	220
40 ⁰ _{-0,012}	28	22	62 ⁰ _{-0,013}	45,0	53,0	370,6	190	7	300
45 ⁰ _{-0,012}	32	25	68 ⁰ _{-0,013}	50,8	60,0	481,0	247	7	400
50 ⁰ _{-0,012}	35	28	75 ⁰ _{-0,013}	56,0	66,0	598,0	308	6	540
60 ⁰ _{-0,015}	44	36	90 ⁰ _{-0,015}	66,8	80,0	935,0	481	6	1000
70 ⁰ _{-0,015}	49	40	105 ⁰ _{-0,015}	77,9	92,0	1204,0	619	6	1500
80 ⁰ _{-0,015}	55	45	120 ⁰ _{-0,015}	89,4	105,0	1540,0	792	6	2200
90 ⁰ _{-0,020}	60	50	130 ⁰ _{-0,018}	98,1	115,0	1892,0	1080	5	2700
100 ⁰ _{-0,020}	70	55	150 ⁰ _{-0,018}	109,5	130,0	2366,0	1350	7	4400
110 ⁰ _{-0,020}	70	55	160 ⁰ _{-0,025}	121,2	140,0	2548,0	1460	6	4700
120 ⁰ _{-0,020}	85	70	180 ⁰ _{-0,025}	135,5	160,0	3752,0	2140	6	8000

Materials:

Insert: Stainless steel to 1.4571, Aisi 316Ti, with PTFE liner bonded to the inner surface from size 90 with high performance PTFE compound

Ball: up to size 40, stainless steel to 1.4125, Aisi 440C, hardened, ground, polished from size 45, stainless steel to 1.4112, Aisi 440B, hardened, ground, polished

On request: size 140 and 160 from size 40 with -2RS seals