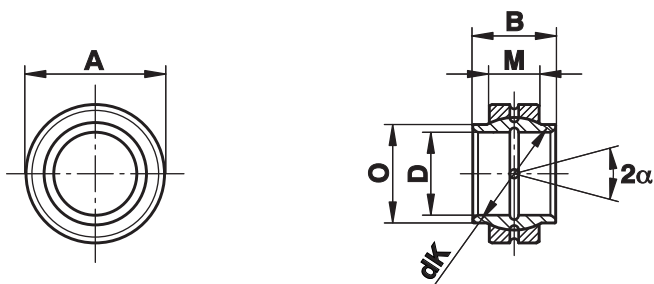


Spherical Plain Bearings Series W - Steel on Steel

Series GE...LO

Spherical Plain Bearings
steel on steel series W
to DIN ISO 12240-1,
treated with molyb-
denum disulphide mos2,
regreasable

For use on standard
Hydraulic Cylinders to
DIN 24333 and to DIN
24336 with floor piece
or piston rod relays



Size (D)	B	M	A	O	dK	Static load C ₀ kN	Dynamic load C kN	Pivoting angle α	Weight g
12 ⁰ _{+0,018}	12	7	22 ⁰ _{-0,009}	15,5	18,0	54	10,8	4	17
15 ⁰ _{+0,018}	15	9	26 ⁰ _{-0,009}	18,5	22,0	84	16,0	5	28
16 ⁰ _{+0,018}	16	9	28 ⁰ _{-0,009}	20,0	23,0	88	17,6	4	34
17 ⁰ _{+0,018}	17	10	30 ⁰ _{-0,011}	21,0	25,0	106	21,0	7	43
20 ⁰ _{+0,021}	20	12	35 ⁰ _{-0,011}	25,0	29,0	146	30,0	4	69
25 ⁰ _{+0,021}	25	16	42 ⁰ _{-0,011}	30,5	35,5	240	48,0	4	124
30 ⁰ _{+0,021}	30	18	47 ⁰ _{-0,011}	34,0	40,7	310	62,0	4	159
32 ⁰ _{+0,025}	32	18	52 ⁰ _{-0,013}	37,0	43,0	335	67,0	4	207
35 ⁰ _{+0,025}	35	20	55 ⁰ _{-0,013}	40,0	47,0	399	79,0	4	248
40 ⁰ _{+0,025}	40	22	62 ⁰ _{-0,013}	46,0	53,0	500	100,0	4	349
45 ⁰ _{+0,025}	45	25	68 ⁰ _{-0,013}	52,0	60,0	637	127,0	4	468
50 ⁰ _{+0,025}	50	28	75 ⁰ _{-0,013}	57,0	66,0	780	156,0	4	620
60 ⁰ _{+0,030}	60	36	90 ⁰ _{-0,015}	68,0	80,0	1220	245,0	4	1110
63 ⁰ _{+0,030}	63	36	95 ⁰ _{-0,015}	71,5	83,0	1270	255,0	4	1270
70 ⁰ _{+0,030}	70	40	105 ⁰ _{-0,015}	79,0	92,0	1560	315,0	4	1690
80 ⁰ _{+0,030}	80	45	120 ⁰ _{-0,015}	91,0	105,0	2000	400,0	4	2550
90 ⁰ _{+0,035}	90	50	130 ⁰ _{-0,018}	99,0	115,0	2450	490,0	4	3040
100 ⁰ _{+0,035}	100	55	150 ⁰ _{-0,018}	113,0	130,0	3050	610,0	4	4870
110 ⁰ _{+0,035}	110	55	160 ⁰ _{-0,025}	124,0	140,0	3250	655,0	4	5530
125 ⁰ _{+0,040}	125	70	180 ⁰ _{-0,025}	138,0	160,0	4750	950,0	4	8190
160 ⁰ _{+0,040}	160	80	230 ⁰ _{-0,030}	177,0	200,0	6800	1370,0	4	15800
200 ⁰ _{+0,046}	200	100	290 ⁰ _{-0,035}	221,0	250,0	10600	2120,0	4	31700
250 ⁰ _{+0,046}	250	120	400 ⁰ _{-0,040}	317,0	350,0	18000	3550,0	4	10100
320 ⁰ _{+0,057}	320	160	520 ⁰ _{-0,050}	405,0	450,0	30500	6100,0	4	22500

Materials:

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

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

¹⁾ lubrication groove in the insert only