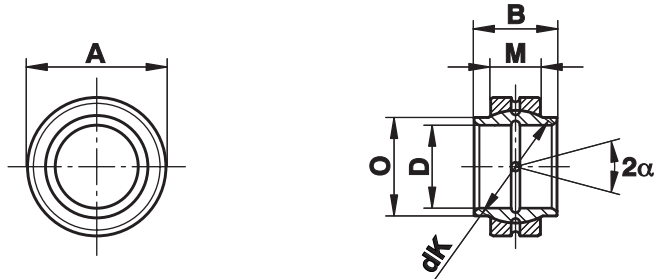


Spherical Plain Bearings Series W - Steel on Steel

Series GE...LO

Spherical Plain Bearings steel on steel series W to DIN ISO 12240-1, treated with molybdenum 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 ¹⁾ _{+0,018} ⁰	12	7	22 _{-0,009} ⁰	15,5	18,0	54	10,8	4	17
15 _{+0,018} ⁰	15	9	26 _{-0,009} ⁰	18,5	22,0	84	16,0	5	28
16 _{+0,018} ⁰	16	9	28 _{-0,009} ⁰	20,0	23,0	88	17,6	4	34
17 _{+0,018} ⁰	17	10	30 _{-0,011} ⁰	21,0	25,0	106	21,0	7	43
20 _{+0,021} ⁰	20	12	35 _{-0,011} ⁰	25,0	29,0	146	30,0	4	69
25 _{+0,021} ⁰	25	16	42 _{-0,011} ⁰	30,5	35,5	240	48,0	4	124
30 _{+0,021} ⁰	30	18	47 _{-0,011} ⁰	34,0	40,7	310	62,0	4	159
32 _{+0,025} ⁰	32	18	52 _{-0,013} ⁰	37,0	43,0	335	67,0	4	207
35 _{+0,025} ⁰	35	20	55 _{-0,013} ⁰	40,0	47,0	399	79,0	4	248
40 _{+0,025} ⁰	40	22	62 _{-0,013} ⁰	46,0	53,0	500	100,0	4	349
45 _{+0,025} ⁰	45	25	68 _{-0,013} ⁰	52,0	60,0	637	127,0	4	468
50 _{+0,025} ⁰	50	28	75 _{-0,013} ⁰	57,0	66,0	780	156,0	4	620
60 _{+0,030} ⁰	60	36	90 _{-0,015} ⁰	68,0	80,0	1220	245,0	4	1110
63 _{+0,030} ⁰	63	36	95 _{-0,015} ⁰	71,5	83,0	1270	255,0	4	1270
70 _{+0,030} ⁰	70	40	105 _{-0,015} ⁰	79,0	92,0	1560	315,0	4	1690
80 _{+0,030} ⁰	80	45	120 _{-0,015} ⁰	91,0	105,0	2000	400,0	4	2550
90 _{+0,035} ⁰	90	50	130 _{-0,018} ⁰	99,0	115,0	2450	490,0	4	3040
100 _{+0,035} ⁰	100	55	150 _{-0,018} ⁰	113,0	130,0	3050	610,0	4	4870
110 _{+0,035} ⁰	110	55	160 _{-0,025} ⁰	124,0	140,0	3250	655,0	4	5530
125 _{+0,040} ⁰	125	70	180 _{-0,025} ⁰	138,0	160,0	4750	950,0	4	8190
160 _{+0,040} ⁰	160	80	230 _{-0,030} ⁰	177,0	200,0	6800	1370,0	4	15800
200 _{+0,046} ⁰	200	100	290 _{-0,035} ⁰	221,0	250,0	10600	2120,0	4	31700
250 _{+0,046} ⁰	250	120	400 _{-0,040} ⁰	317,0	350,0	18000	3550,0	4	10100
320 _{+0,057} ⁰	320	160	520 _{-0,050} ⁰	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