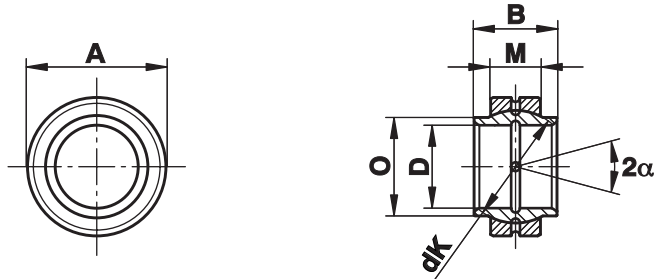


# Spherical Plain Bearings Series W - Steel on Steel

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

<sup>1)</sup> lubrication groove in the insert only