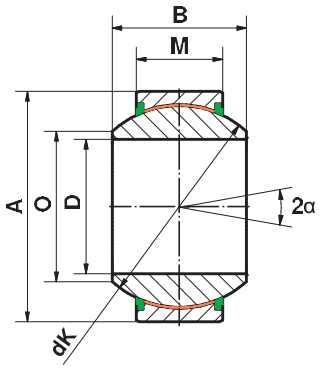
Spherical Plain Bearings Series G

Series GE...GW-2RS

Spherical plain bearings series G
DIN ISO 12240-1, mating surface, hard chrome/FLUROGLIDE®, maintenance free

Larger tilting angle due to wider inner ring



Size (D)	B	M	A	O	dK	Static load ratings C_o kN	Dynamic load ratings C kN	Tilting angle α	Weight g
20 $^{0}_{-0,010}$	25	16	42 $^{0}_{-0,011}$	25,2	35,5	182	110	17	153
25 $^{0}_{-0,010}$	28	18	47 $^{0}_{-0,011}$	29,5	40,7	272	162	17	203
30 $^{0}_{-0,010}$	32	20	55 $^{0}_{-0,013}$	34,4	47	350	210	17	280
35 $^{0}_{-0,012}$	35	22	62 $^{0}_{-0,013}$	39,7	53	462	277	16	380
40 $^{0}_{-0,012}$	40	25	68 $^{0}_{-0,013}$	44,7	60	600	360	17	530
45 $^{0}_{-0,012}$	43	28	75 $^{0}_{-0,013}$	50,0	66	737	442	15	670
50 $^{0}_{-0,012}$	56	36	90 $^{0}_{-0,015}$	57,1	80	1.150	690	17	1.400
60 $^{0}_{-0,015}$	63	40	105 $^{0}_{-0,015}$	67,0	92	1.472	883	17	2.100
70 $^{0}_{-0,015}$	70	45	120 $^{0}_{-0,015}$	78,2	105	1.875	1.125	16	3.000
80 $^{0}_{-0,015}$	75	50	130 $^{0}_{-0,018}$	87,1	115	2.300	1.380	14	3.600
90 $^{0}_{-0,020}$	85	55	150 $^{0}_{-0,018}$	98,3	130	2.860	1.716	15	5.300
100 $^{0}_{-0,020}$	85	55	160 $^{0}_{-0,025}$	111,2	140	3.075	1.845	14	6.000
110 $^{0}_{-0,020}$	100	70	180 $^{0}_{-0,025}$	124,8	160	4.475	2.685	12	9.800
120 $^{0}_{-0,020}$	115	70	210 $^{0}_{-0,030}$	138,4	180	5.025	3.015	16	14.600
140 $^{0}_{-0,025}$	130	80	230 $^{0}_{-0,030}$	151,9	200	6.400	3.840	16	18.600
160 $^{0}_{-0,025}$	135	80	260 $^{0}_{-0,035}$	180,0	225	7.200	4.320	16	24.900
180 $^{0}_{-0,025}$	155	100	290 $^{0}_{-0,035}$	196,1	250	10.000	6.000	14	33.600
200 $^{0}_{-0,030}$	165	100	320 $^{0}_{-0,040}$	220,0	275	11.000	6.600	15	44.700
220 $^{0}_{-0,030}$	175	100	340 $^{0}_{-0,040}$	243,6	300	12.000	7.200	16	50.800
240 $^{0}_{-0,030}$	190	110	370 $^{0}_{-0,040}$	263,6	325	14.250	8.550	15	64.000
260 $^{0}_{-0,035}$	205	120	400 $^{0}_{-0,040}$	283,6	350	16.750	10.050	15	81.800
280 $^{0}_{-0,035}$	210	120	430 $^{0}_{-0,045}$	310,6	375	18.000	10.800	15	96.500

In spherical plain bearings up to size 110, the hardened shell is split unilaterally due to assembly reasons. Starting with size 120, the spherical plain bearing consists of two hardened shells secured with a clamp and screw.

Materials:

Outer ring: Bearing steel 100Cr6, hardened and phosphated, with FLUROGLIDE® bonded to the inner surface

Inner ring: Bearing steel 100Cr6, hardened, ground, polished, hard chrome plated

On request available in stainless steel

Please note that the numbers pointed off on the pages 17 to 23 and 25 in the data sheets, signalise a thousands place. And the numbers with thousands separators (comma) signalise a decimal point.