

GLG

Data sheet - rev. 1.0

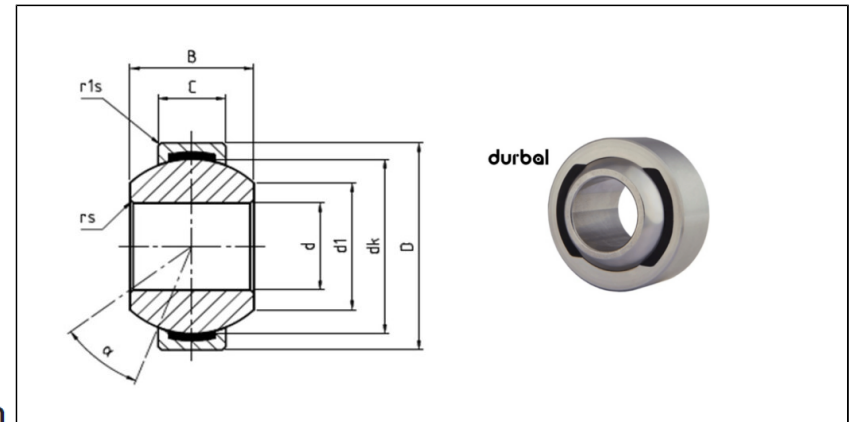
Spherical Plain Bearings - Classic Line

Heavy-duty spherical-plain bearing, sliding combination steel / DURBAL-Glide (PTFE), series G, according to DIN ISO 12240-1

FEATURES AND ADVANTAGES

- Outer ring: C45 steel with injected DURBAL-Glide (Polyamid-PTFE-fibreglass-Compound)
- Joint ball: 100Cr6 ball bearing steel, hardened, ground, polished and hard chromium plated
- Maintenance: maintenance free
- Temperature range: -30° C to +60° C
- USE & MAINTENANCE : [see this page](#)
- STATIC LOAD SERVICE LIFE : [see this page](#)
- TOLERANCES : [see this page](#)

COMPONENTS AND DIMENSIONS



Type	Measurements [mm]								Tilt angle α (°)	Rotational speed limit n_{max} (min ⁻¹)	Axial factor		Basic load rating		Radial clearance CN (µm)	Weight kg
	d	D	d1	B	C	dk	rs	rs1			Y	Y0	dyn C (kN)	stat C0 (kN)		
GLG 06 - 20 - 500	6	16	9.4	9	5	13	0.3	0.3	21	-	-	-	2.5	11	0-10	0.01
GLG 08 - 20 - 500	8	19	11.6	11	6	16	0.3	0.3	21	-	-	-	4.2	16.8	0-10	0.01
GLG 10 - 20 - 500	10	22	13.4	12	7	18	0.3	0.3	18	-	-	-	6.4	23	0-10	0.02
GLG 12 - 20 - 500	12	26	16.1	15	9	22	0.3	0.3	18	-	-	-	9.2	39.6	0-10	0.03
GLG 15 - 20 - 500	15	30	19.2	16	10	25	0.3	0.3	16	-	-	-	13.4	54.1	0-10	0.05
GLG 17 - 20 - 500	17	35	21	20	12	29	0.3	0.3	19	-	-	-	19.2	76.7	0-10	0.08
GLG 20 - 20 - 500	20	42	25.2	25	16	35.5	0.3	0.6	17	-	-	-	25.2	119.1	0-10	0.15
GLG 25 - 20 - 500	25	47	29.5	28	18	40.7	0.6	0.6	17	-	-	-	42.4	141.8	0-10	0.2
GLG 30 - 20 - 500	30	55	34.4	32	20	47	0.6	1	17	-	-	-	54	180.8	0-10	0.3
GLG 35 - 20 - 500	35	62	39.8	35	22	53	0.6	1	16	-	-	-	70.4	222.6	0-10	0.39
GLG 40 - 20 - 500	40	68	44.7	40	25	60	0.6	1	17	-	-	-	86	276.2	0-10	0.52
GLG 45 - 20 - 500	45	75	50.1	43	28	66	0.6	1	15	-	-	-	107	339.2	0-10	0.68
GLG 50 - 20 - 500	50	90	57.1	56	36	80	0.6	1	17	-	-	-	132	532.1	0-10	1.4