

DG PB

Data sheet - rev. 1.0

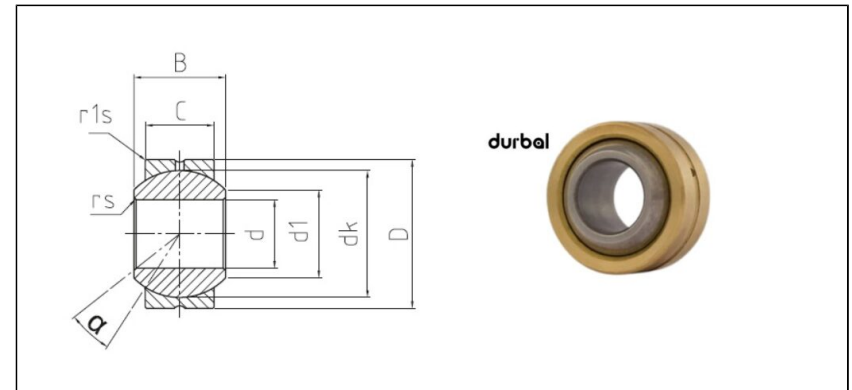
Spherical Plain Bearings - Basic Line

Spherical-plain bearing sliding combination steel / bearing brass, series K, according to DIN ISO 12240-1

FEATURES AND ADVANTAGES

- Outer ring: bearing brass with oil groove and drill holes
- Joint ball: ball bearing steel, hardened, ground, polished and hard chromium plated
- Maintenance: maintenance required, oiled on delivery, initial lubrication by the user.
- Temperature range: -40° C to +110° C
- USE & MAINTENANCE : [see this page](#)
- STATIC LOAD SERVICE LIFE : [see this page](#)
- TOLERANCES : [see this page](#)

COMPONENTS AND DIMENSIONS



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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	YO	dyn C (kN)	stat C0 (kN)		
DG 05 PB	5	13	7.7	8	6	11.1	0.3	1.2	13	-	-	-	6.4	15	20-60	0.01
DG 06 PB	6	16	8.9	9	6.75	12.7	0.3	1.2	13	-	-	-	8.3	19	20-60	0.01
DG 08 PB	8	19	10.3	12	9	15.8	0.3	1.2	13	-	-	-	13	31	20-60	0.02
DG 10 PB	10	22	12.9	14	10.5	19	0.3	1.2	13	-	-	-	19	43	40-90	0.03
DG 12 PB	12	26	15.4	16	12	22.2	0.4	1.2	13	-	-	-	24	58	40-90	0.07
DG 14 PB	14	28	16.8	19	13.5	25.4	0.4	1.2	15	-	-	-	31	74	40-90	0.09
DG 16 PB	16	32	19.3	21	15	28.5	0.4	1.5	15	-	-	-	39	92	5-110	0.1
DG 18 PB	18	35	21.8	23	16.5	31.7	0.4	1.5	15	-	-	-	48	112	50-110	0.13
DG 20 PB	20	40	24.3	25	18	34.9	0.4	1.5	15	-	-	-	57	135	50-110	0.18
DG 22 PB	22	42	25.8	28	20	38.1	0.4	2	15	-	-	-	71	164	60-120	0.21
DG 25 PB	25	47	29.5	31	22	42.8	0.5	2	15	-	-	-	87	203	60-120	0.3
DG 30 PB	30	55	34.8	37	25	50.8	0.5	2	15	-	-	-	116	273	60-120	0.43

ROTATIONAL UNITS