

DG PW

Data sheet - rev. 1.0

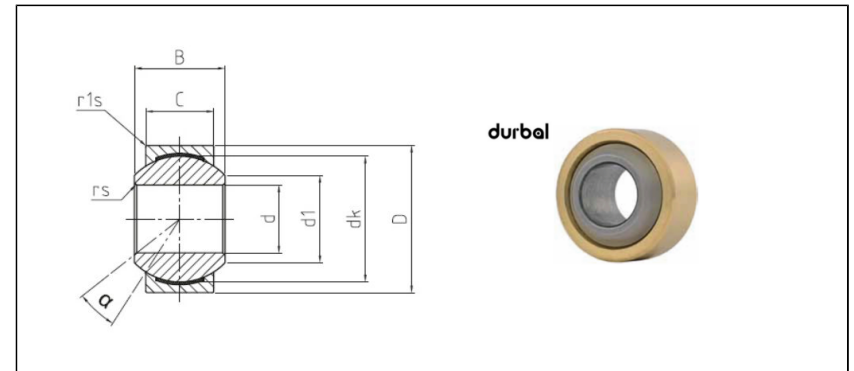
Spherical Plain Bearings - Basic Line

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

FEATURES AND ADVANTAGES

- Outer ring: bearing brass, lined with bronze – PTFE – composite
- Joint ball: ball bearing steel, hardened, ground, polished
- Maintenance: maintenance free
- Temperature range: -40° C to +200° 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	Rotational speed limit	Axial factor		Basic load rating		Radial clearance	Weight
	d	D	d1	B	C	dk	rs	rs1	α (°)	n_{max} (min ⁻¹)	Y	Y0	dyn C (kN)	stat C0 (kN)	CN (µm)	kg
DG 05 PW	5	13	7.7	8	6	11.1	0.3	1.2	13	-	-	-	8.3	14.9	4-28	0.01
DG 06 PW	6	16	8.9	9	6.75	12.7	0.3	1.2	13	-	-	-	11	19.6	4-28	0.01
DG 08 PW	8	19	10.3	12	9	15.8	0.3	1.2	13	-	-	-	19	34.1	4-28	0.02
DG 10 PW	10	22	12.9	14	10.5	19	0.3	1.2	13	-	-	-	27.1	48.6	4-28	0.03
DG 12 PW	12	26	15.4	16	12	22.2	0.4	1.2	13	-	-	-	36.7	65.7	4-28	0.07
DG 14 PW	14	28	16.8	19	13.5	25.4	0.4	1.2	15	-	-	-	47.6	85.3	5-35	0.09
DG 16 PW	16	32	19.3	21	15	28.5	0.4	1.5	15	-	-	-	60	107.4	5-35	0.1
DG 18 PW	18	35	21.8	23	16.5	31.7	0.4	1.5	15	-	-	-	73.8	132.2	5-35	0.13
DG 20 PW	20	40	24.3	25	18	34.9	0.4	1.5	15	-	-	-	89	159.5	5-35	0.18
DG 22 PW	22	42	25.8	28	20	38.1	0.4	2	15	-	-	-	108.6	194.4	6-44	0.21
DG 25 PW	25	47	29.5	31	22	42.8	0.5	2	15	-	-	-	135	241.7	6-44	0.3
DG 30 PW	30	55	34.8	37	25	50.8	0.5	2	15	-	-	-	182.9	327.5	6-44	0.43
DG 35 PW	35	62	37.7	43	28	57.1	0.5	2	16	-	-	-	231.5	414.5	8-58	0.5
DG 40 PW	40	75	45.2	49	33	66.6	0.5	2	17	-	-	-	319.7	572.4	8-58	0.9
DG 50 PW	50	90	56.6	60	45	82.5	0.5	2	12	-	-	-	544.5	975	10-75	1.64

ROTATIONAL UNITS