

DGE UK

Data sheet - rev. 1.0

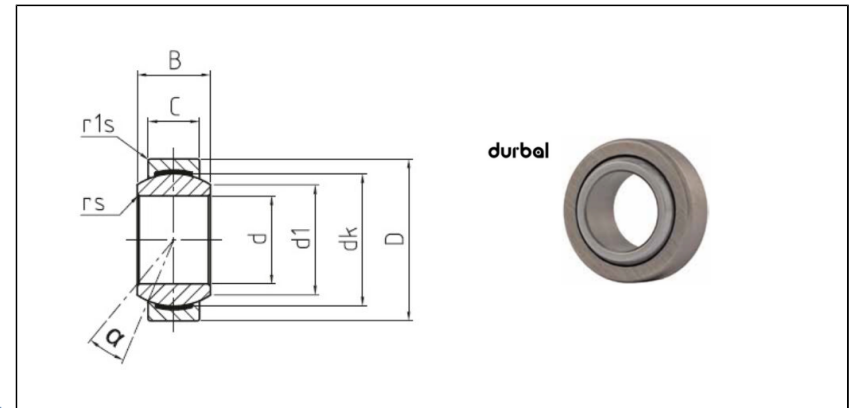
Spherical Plain Bearings - Basic Line

Radial-spherical plain bearing sliding combination steel / PTFE, series E, according to DIN ISO 12240-1

FEATURES AND ADVANTAGES

- Outer ring: heat-treated steel, lined with bronze – PTFE – composite
- Joint ball: ball bearing steel, hardened, ground, polished, up to size 12 hard chromium plated
- 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



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
DGE 4 UK	4	12	6.25	5	3	8	0.3	0.3	16	-	-	-	2.1	5.4	4-28	0
DGE 5 UK	5	14	8	6	4	10	0.3	0.3	13	-	-	-	3.6	9.1	4-28	0
DGE 6 UK	6	14	8	6	4	10	0.3	0.3	13	-	-	-	5.1	9.1	4-28	0
DGE 8 UK	8	16	10	8	5	13	0.3	0.3	15	-	-	-	9.8	14	4-28	0.01
DGE 10 UK	10	19	13	9	6	16	0.3	0.3	12	-	-	-	14.4	21	4-28	0.01
DGE 12 UK	12	22	15	10	7	18	0.3	0.3	10	-	-	-	18.9	28	4-28	0.02
DGE 15 UK	15	26	18	12	9	22	0.3	0.3	8	-	-	-	29.7	45	5-35	0.03
DGE 17 UK	17	30	20	14	10	25	0.3	0.3	10	-	-	-	37.5	56	5-35	0.04
DGE 20 UK	20	35	24	16	12	29	0.3	0.3	9	-	-	-	52.2	78	5-35	0.07
DGE 25 UK	25	42	29	20	16	35.5	0.6	0.6	7	-	-	-	85.2	127	6-44	0.12
DGE 30 UK	30	47	34	22	18	40.7	0.6	0.6	6	-	-	-	109.9	166	6-44	0.16

ROTATIONAL UNITS