

DGEG E/ES

Data sheet - rev. 1.0

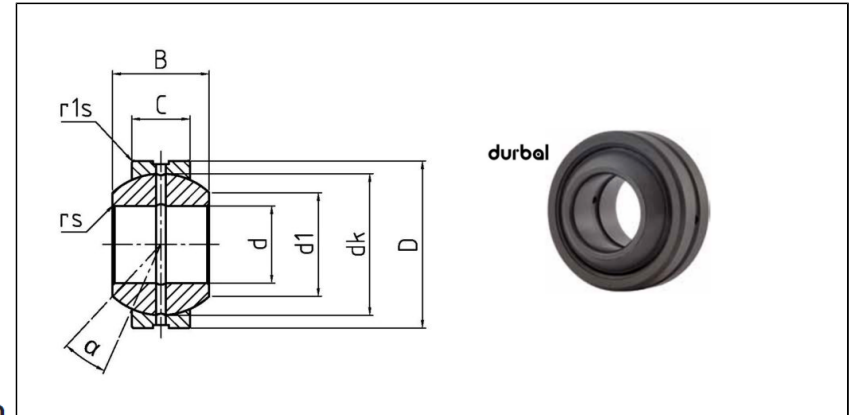
Spherical Plain Bearings - Basic Line

Spherical-plain bearing with steel/steel, series G, DIN ISO 12240-1, maintenance required

FEATURES AND ADVANTAGES

- Outer ring: ball bearing steel, hardened, ground, phosphated, single split, from size 15 with oil groove and drill holes,
- Joint ball: ball bearing steel, hardened, ground, phosphated
- Maintenance: maintenance required, oiled on delivery, initial lubrication by the user
- 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 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)		
DGEG 06 E	6	16	9.4	9	5	13	0.3	0.3	21	-	-	5.5	27.5	32-68	0.01	
DGEG 08 E	8	19	11.6	11	6	16	0.3	0.3	21	-	-	8.2	40.5	32-68	0.01	
DGEG 10 E	10	22	13.4	12	7	18	0.3	0.3	18	-	-	10.8	54	32-68	0.02	
DGEG 12 E	12	26	16.1	15	9	22	0.3	0.3	18	-	-	17	85	40-80	0.03	
DGEG 15 ES	15	30	19.2	16	10	25	0.3	0.3	16	-	-	21.2	106	40-80	0.05	
DGEG 17 ES	17	35	21	20	12	29	0.3	0.3	19	-	-	30	146	40-80	0.08	
DGEG 20 ES	20	42	25.2	25	16	35.5	0.6	0.6	17	-	-	48	240	50-100	0.15	
DGEG 25 ES	25	47	29.5	28	18	40.7	0.6	0.6	17	-	-	62	310	50-100	0.19	
DGEG 30 ES	30	55	34.4	32	20	47	0.6	1	17	-	-	80	400	50-100	0.29	
DGEG 35 ES	35	62	39.8	35	23	53	0.6	1	16	-	-	1	500	60-120	0.38	
DGEG 40 ES	40	68	44.7	40	25	60	0.6	1	17	-	-	127	640	60-120	0.54	
DGEG 45 ES	45	75	50.1	43	28	66	0.6	1	15	-	-	156	780	60-120	0.68	
DGEG 50 ES	50	90	57.1	56	36	80	0.6	1	17	-	-	200	1220	60-120	1.14	
DGEG 60 ES	60	105	67	63	40	92	1	1	17	-	-	315	1560	72-142	2	
DGEG 70 ES	70	120	78.3	70	45	105	1	1	16	-	-	400	2000	72-142	2.9	
DGEG 80 ES	80	130	87.2	75	50	115	1	1	14	-	-	490	2450	72-142	3.5	
DGEG 90 ES	90	150	98.4	85	55	130	1	1	15	-	-	610	3050	85-165	5.4	
DGEG 100 ES	100	160	111.2	85	55	140	1	1	14	-	-	655	3250	85-165	5.9	
DGEG 110 ES	110	180	124.9	100	70	160	1	1	12	-	-	950	4750	85-165	9.6	
DGEG 120 ES	120	210	138.5	115	70	180	1	1	16	-	-	1080	5400	85-165	15.1	
DGEG 140 ES	140	230	152	130	80	200	1	1	16	-	-	1360	6800	100-192	19.01	
DGEG 160 ES	160	260	180	135	80	225	1	1	16	-	-	1530	7650	100-192	24.7	
DGEG 180 ES	180	290	196.2	155	100	250	1.1	1.1	14	-	-	2120	10600	100-192	35.4	
DGEG 200 ES	200	320	220	165	100	270	1.1	1.1	15	-	-	2320	11600	100-192	45.28	
DGEG 220 ES	220	340	243.7	175	100	300	1.1	1.1	16	-	-	2550	12700	100-192	21.12	
DGEG 240 ES	240	370	263.7	190	110	325	1.1	1.1	15	-	-	3030	15190	110-214	25.12	
DGEG 260 ES	260	400	283.7	205	120	350	1.1	1.1	15	-	-	3570	17850	110-214	82.44	
DGEG 280 ES	280	430	310.7	210	120	375	1.1	1.1	15	-	-	3800	19100	110-214	97.21	

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