

DGEZ ES

Data sheet - rev. 1.0

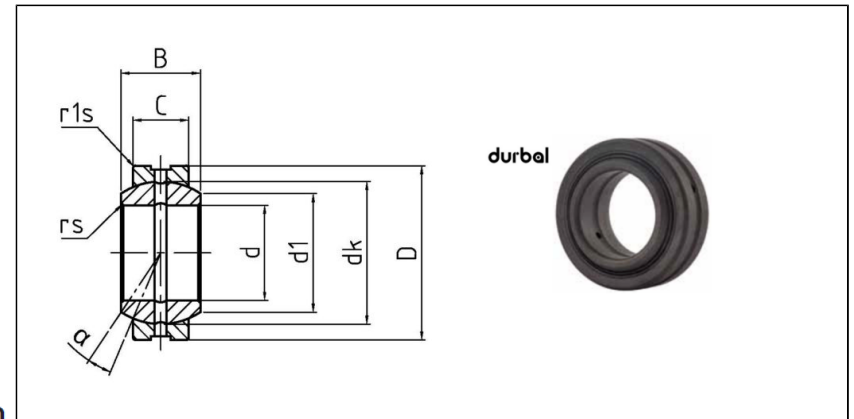
Spherical Plain Bearings - Basic Line

Spherical-plain bearing sliding combination steel / steel, dimensions in inches

FEATURES AND ADVANTAGES

- Outer ring: ball bearing steel, hardened, ground, phosphated, single split, 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	Rotational speed limit	Axial factor		Basic load rating		Radial clearance	Weight
	d	D	dI	B	C	dk	rs	rsl	α (°)	n_{max} (min ⁻¹)	Y	Y0	dyn C (kN)	stat C0 (kN)	CN (µm)	kg
DGEZ 12 ES	12.70	22.23	14.2	11.1	9.53	18	0.3	0.6	6	-	-	-	13	41	50-150	0.02
DGEZ 15 ES	15.88	26.99	18.3	13.89	11.91	23	0.3	0.6	6	-	-	-	22	65	50-150	0.04
DGEZ 19 ES	19.05	31.75	21.9	16.66	14.28	27.5	0.3	0.6	6	-	-	-	31	95	80-180	0.05
DGEZ 22 ES	22.23	36.51	25.4	19.43	16.66	32	0.3	0.6	6	-	-	-	42	127	80-180	0.09
DGEZ 25 ES	25.40	41.28	29	22.23	19.05	36.5	0.3	0.6	6	-	-	-	56	166	80-180	0.12
DGEZ 31 ES	31.75	50.8	36	27.76	23.8	45.5	0.6	0.6	6	-	-	-	86	260	80-180	0.23
DGEZ 34 ES	34.93	55.56	38.6	30.15	16.19	49	0.6	1	6	-	-	-	102	310	80-180	0.35
DGEZ 38 ES	38.10	61.91	43.4	33.33	28.58	54.7	0.6	1	6	-	-	-	125	375	80-180	0.42
DGEZ 44 ES	44.45	71.42	50.7	38.89	33.33	63.9	0.6	1	6	-	-	-	170	510	80-180	0.64
DGEZ 50 ES	50.80	80.96	57.9	44.45	38.1	73	0.6	1	6	-	-	-	224	670	80-180	0.93
DGEZ 57 ES	57.15	90.49	65	50.01	42.85	82	0.6	1	6	-	-	-	280	850	100-200	1.33
DGEZ 63 ES	63.50	100.01	73.3	55.55	47.63	92	0.6	1	6	-	-	-	355	1060	100-200	1.85
DGEZ 69 ES	69.85	111.13	79.2	61.11	52.38	100	1	1	6	-	-	-	415	1250	100-200	2.42
DGEZ 76 ES	76.20	120.65	86.9	66.68	57.15	109.5	1	1	6	-	-	-	500	1500	100-200	3.1
DGEZ 82 ES	82.55	130.18	94.6	72.24	61.9	119	1	1	6	-	-	-	585	1760	130-230	3.82
DGEZ 88 ES	88.90	139.7	101.7	77.78	66.68	128	1	1	6	-	-	-	680	2040	130-230	4.79
DGEZ 95 ES	95.25	149.23	108.7	83.34	71.43	137	1	1	6	-	-	-	780	2360	130-230	5.8
DGEZ 101 ES	101.60	158.75	115.8	88.9	76.2	146	1	1	6	-	-	-	900	2650	130-230	7
DGEZ 107 ES	107.95	168.28	122.8	94.46	80.95	154.9	1	1	6	-	-	-	1000	2900	130-230	8.41
DGEZ 114 ES	114.30	177.8	130.6	100.01	85.73	164.5	1	1	6	-	-	-	1120	3400	130-230	9.8
DGEZ 120 ES	120.65	187.33	137.7	105.56	90.48	173.5	1	1	6	-	-	-	1250	3750	130-230	11.5
DGEZ 127 ES	127	196.85	145.4	111.13	95.25	183	1	1	6	-	-	-	1400	4150	130-230	13.5
DGEZ 152 ES	152.40	222.25	168.2	120.65	107.78	207	1	1	5	-	-	-	1730	5200	130-230	17.5

ROTATIONAL UNITS