

DGE FW-2RS

Data sheet - rev. 1.0

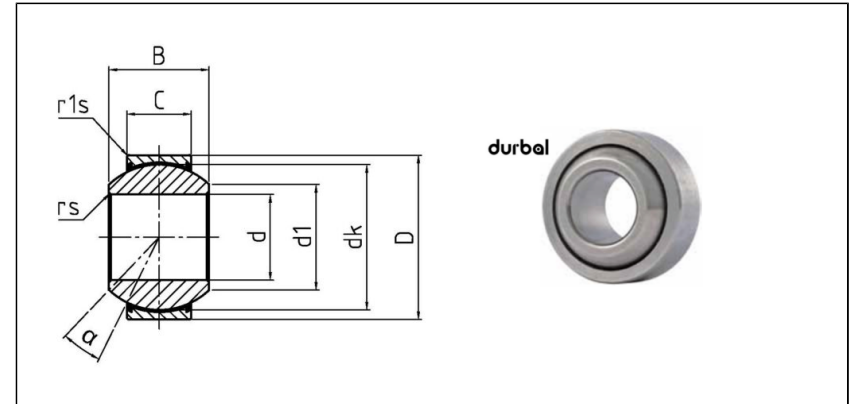
Spherical Plain Bearings - Basic Line

Radial-spherical plain bearing sliding combination steel / PTFE, with -2RS lip seals on both sides, series G, according to DIN ISO 12240-1

FEATURES AND ADVANTAGES

- Outer ring: heat-treated steel, hardened, single split, bonded with PTFE – fabric, with -2RS lip seals on both sides
- Joint ball: ball bearing steel, hardened, ground, polished and hard chromium plated
- Maintenance: maintenance free
- Temperature range: -40° C to +120° 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 15 FW-2RS	15	30	19.2	16	10	25	0.3	0.3	16	-	-	-	22.4	56	0-50	0.05
DGE 17 FW-2RS	17	35	21	20	12	29	0.3	0.3	19	-	-	-	31.5	78	0-50	0.08
DGE 20 FW-2RS	20	42	25.2	25	16	35.5	0.6	0.6	17	-	-	-	51	127	0-50	0.15
DGE 25 FW-2RS	25	47	28.5	28	18	40.7	0.6	0.6	17	-	-	-	65.5	166	0-50	0.19
DGE 30 FW-2RS	30	55	34.4	32	20	47	0.6	1	17	-	-	-	210	350	0-50	0.29
DGE 35 FW-2RS	35	62	39.8	35	23	53	0.6	1	16	-	-	-	277	462	0-60	0.39
DGE 40 FW-2RS	40	68	44.7	40	25	60	0.6	1	17	-	-	-	360	600	0-60	0.52
DGE 45 FW-2RS	45	75	50.1	43	28	66	0.6	1	15	-	-	-	442	737	0-60	0.68
DGE 50 FW-2RS	50	90	57.1	56	36	80	0.6	1	17	-	-	-	690	1150	0-60	1.4
DGE 60 FW-2RS	60	105	67	63	40	92	1	1	17	-	-	-	885	1475	0-72	2
DGE 70 FW-2RS	70	120	78.3	70	45	105	1	1	16	-	-	-	1125	1875	0-72	2.9
DGE 80 FW-2RS	80	130	87.2	75	50	115	1	1	14	-	-	-	1380	2300	0-72	3.5
DGE 90 FW-2RS	90	150	98.4	85	55	130	1	1	15	-	-	-	1717	2862	0-85	5.4
DGE 100 FW-2RS	100	160	111.2	85	55	140	1	1	14	-	-	-	1854	3075	0-85	6
DGE 110 FW-2RS	110	180	124.9	100	70	160	1	1	12	-	-	-	2685	4475	0-85	9.7
DGE 120 FW-2RS	120	210	138.5	115	70	180	1	1	16	-	-	-	3015	5025	0-85	14
DGE 140 FW-2RS	140	230	152	130	80	200	1	1	16	-	-	-	3840	6400	0-85	19
DGE 160 FW-2RS	160	260	180	135	80	225	1.1	1.1	16	-	-	-	4320	7200	0-100	24.7
DGE 180 FW-2RS	180	290	196.2	155	100	250	1.1	1.1	14	-	-	-	6000	10000	0-100	25.9
DGE 200 FW-2RS	200	320	220	165	100	275	1.1	1.1	15	-	-	-	6600	11000	0-100	45.3
DGE 220 FW-2RS	220	340	243.7	175	100	300	1.1	1.1	16	-	-	-	7200	12000	0-100	51.1
DGE 240 FW-2RS	240	370	263.7	190	110	325	1.1	1.1	15	-	-	-	8550	14250	0-110	56.1
DGE 260 FW-2RS	260	400	283.7	205	120	350	1.1	1.1	15	-	-	-	10050	16750	0-110	82.4
DGE 280 FW-2RS	280	430	310.7	210	120	375	1.1	1.1	15	-	-	-	10800	18000	0-110	97.2

ROTATIONAL UNITS