DS PB

Data sheet - rev. 1.0

Spherical Plain Bearings - Basic Line

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

FEATURES AND ADVANTAGES

- Outer part: heat-treated steel with oil groove and drill holes
- Outer ring: bearing brass, oil groove and drill holes
- Joint ball: ball bearing steel, hardened, ground, polished
- Maintenance: maintenance required, oiled on delivery, initial lubrication by the user
- Temperature range: -40° C to +110° C
- USE & MAINTENANCE : see this page
- STAT LOAD SERVICE LIFE : see this page
- TOLERANCES : see this page

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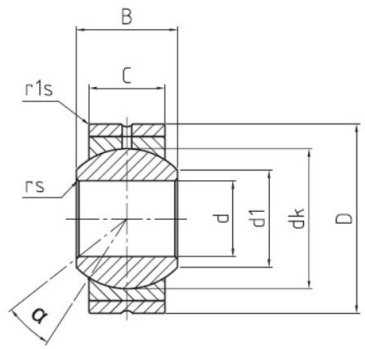
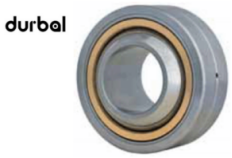
COMPONENTS AND DIMENSIONS





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
DS 05 PB	**5**	16	7.7	8	6	11.1	0.3	1.2	13	-	-	-	6.4	15	20-60	0.01
DS 06 PB	**6**	18	8.9	9	6.75	12.7	0.3	1.2	13	-	-	-	8.3	19	20-60	0.01
DS 08 PB	**8**	22	10.3	12	9	15.8	0.3	1.2	13	-	-	-	13	31	20-60	0.02
DS 10 PB	**10**	26	12.9	14	10.5	19	0.3	1.2	13	-	-	-	19	43	40-90	0.04
DS 12 PB	**12**	30	15.4	16	12	22.2	0.4	1.2	13	-	-	-	24	58	40-90	0.08
DS 14 PB	**14**	34	16.8	19	13.5	25.4	0.4	1.2	15	-	-	-	31	74	40-90	0.11
DS 16 PB	**16**	38	19.3	21	15	28.5	0.4	1.5	15	-	-	-	39	92	5-110	0.13
DS 18 PB	**18**	42	21.8	23	16.5	31.7	0.4	1.5	15	-	-	-	48	112	50-110	0.17
DS 20 PB	**20**	46	24.3	25	18	34.9	0.4	1.5	15	-	-	-	57	135	50-110	0.23
DS 22 PB	**22**	50	25.8	28	20	38.1	0.4	2	15	-	-	-	71	164	60-120	0.28
DS 25 PB	**25**	56	29.5	31	22	42.8	0.5	2	15	-	-	-	87	203	60-120	0.39
DS 30 PB	**30**	66	34.8	37	25	50.8	0.5	2	15	-	-	-	116	273	60-120	0.61

ROTATIONAL UNITS