

# WLK

Data sheet - rev. 1.0

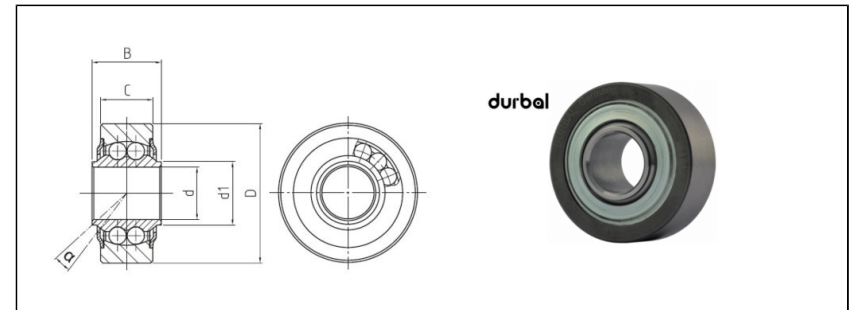
## Spherical Plain Bearings - Premium Line

Heavy-duty spherical bearings with integral self-aligning ball bearing

### FEATURES AND ADVANTAGES

- Outer ring: 100Cr6 ball bearing steel, hardened, runway superfinished
- Inner ring: 100Cr6 ball bearing steel, hardened, superfinished
- Rolling element: 100Cr6 ball bearing steel, hardened, superfinished
- Maintenance: low maintenance, aluminium-complex-soap-grease, approval according to USDA H1
- Temperature range: -45° C to +120° C
- USE & MAINTENANCE : [see this page](#)
- STATIC LOAD SERVICE LIFE : [see this page](#)
- TOLERANCES : [see this page](#)

### COMPONENTS AND DIMENSIONS



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Type	Measurements [mm]								Tilt angle $\alpha$ (°)	Rotational speed limit $n_{max}$ (min <sup>-1</sup> )	Axial factor		Basic load rating		Radial clearance CN (µm)	Weight kg
	d	D	d1	B	C	dk	rs	rs1			Y	Y0	dyn C (kN)	stat C0 (kN)		
WLK 06 - 00 - 500	6	20	9	9	6.8	-	-	-	8	1350	2.09	2.19	2.8	0.7	10-30	0
WLK 08 - 00 - 500	8	24	10.4	12	9	-	-	-	8.5	1300	1.8	1.89	4	1	10-30	0.03
WLK 10 - 00 - 500	10	28	12.8	14	10.5	-	-	-	8	1225	1.9	1.81	4.5	1.5	10-30	0.05
WLK 12 - 00 - 500	12	32	14.6	16	12	-	-	-	7.5	1125	1.74	1.82	5	1.8	10-30	0.07
WLK 14 - 00 - 500	14	36	17.3	19	13.5	-	-	-	6	1025	2.36	2.48	5.6	2	10-30	0.11
WLK 16 - 00 - 500	16	42	19	21	15	-	-	-	8	975	2.24	2.35	6.3	2.4	10-30	0.15
WLK 18 - 00 - 500	18	46	21.9	23	16.5	-	-	-	8.5	900	2.21	2.31	7.1	2.9	10-30	0.2
WLK 20 - 00 - 500	20	50	24.3	25	18	-	-	-	7	825	2.46	2.58	7.9	3.5	10-30	0.25
WLK 22 - 00 - 500	22	54	25.8	28	20	-	-	-	8	725	2.35	2.24	9.3	4	10-30	0.34
WLK 25 - 00 - 500	25	64	30.11	31	22	-	-	-	5	600	2.02	2.12	11	5.4	10-30	0.45
WLK 30 - 00 - 500	30	70	34.5	34.7	25	-	-	-	7.5	450	2.24	2.35	14.2	7.5	10-30	0.69
WLK 35 - 00 - 500	35	92	44.5	48	35	-	-	-	7	400	1.97	2.07	23.4	11.2	10-30	1.45
WLK 40 - 00 - 500	40	120	60	66	49	-	-	-	7	360	2.01	2.1	36.7	16.7	10-30	3.2

# ROTATIONAL UNITS