

WLT

Data sheet - rev. 1.0

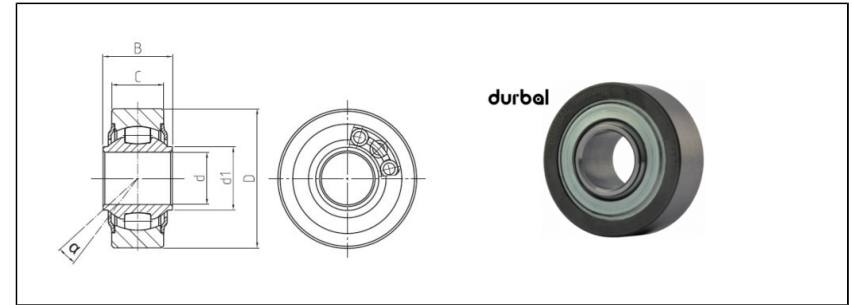
Spherical Plain Bearings - Premium Line

Heavy-duty spherical bearings with integral self-aligning roller bearing, cage design

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-complexsoap-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



SCAN ME!



myRollon

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	Y0	dyn C (kN)	stat C0 (kN)		
WLT 10 - 00 - 500	10	28	12.7	14	10.5	-	-	-	8	1225	9.5	5	9.5	5.4	10-30	0.04
WLT 12 - 00 - 500	12	32	14.6	16	12	-	-	-	7.5	1125	9.5	5	10.3	6.6	10-30	0.06
WLT 16 - 00 - 500	16	42	19	21	15	-	-	-	8	975	9.5	5	13.3	8.9	10-30	0.13
WLT 20 - 00 - 500	20	50	24.3	25	18	-	-	-	7	825	9.5	5	17	11.7	10-30	0.21
WLT 25 - 00 - 500	25	64	30.1	31	22	-	-	-	5	600	9.5	5	24.9	18.5	10-30	0.34
WLT 30 - 00 - 500	30	70	34.5	37	25	-	-	-	7.5	450	9.5	5	32.5	24.9	10-30	0.6
WLT 35 - 00 - 500	35	92	44.5	48	35	-	-	-	7	400	9.5	5	50.1	37	10-30	1.35
WLT 40 - 00 - 500	40	120	60	66	49	-	-	-	7	360	9.5	5	104.9	79.2	10-30	3.05