

Ball bearing turntables and slewing rings

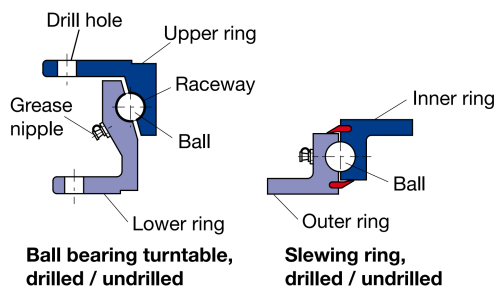
Innovative technology, proven quality

Ball bearing turntables are the product which started the success story of JOST in 1952. Today, they are used on all the world's roads. And not only that: They are also used in agriculture, at airports and railway stations, in mining and in a wide range of special applications, such as in TRIDEC forced steering.

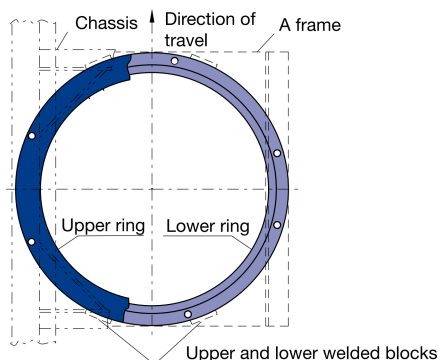
In that way they are a genuine product of the JOST-World. They cover the whole range of trailer technology and offer the best solution for each application. At the same time, the ball bearing turntables are subject to constant further development, so that they impress with their innovative benefits and proven quality time and again.



Design / features

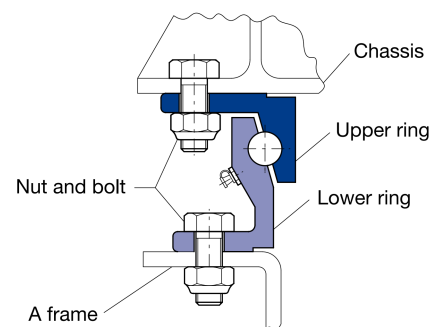


The ball bearing turntables and slewing rings allow the bogie to turn relative to the trailer frame. They transfer both the axial force and the thrust and tensile forces that occur during a journey.



The lower ring/outer ring is bolted on to the A-frame and the upper ring/inner ring is bolted to the chassis. The A-frame, ball bearing turntable or slewing ring and chassis must never be welded together. Pre-welded stop blocks relieve the shear load on the bolts resulting from horizontal forces. JOST grooved screws can be used as an alternative where suitable, eliminating the need for additional welding of the thrust plates.

The ring must be mounted on a completely flat and rigid base with at least 50 % of the circumference adequately supported.

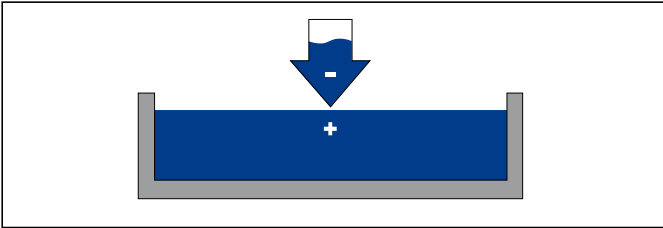


Ball bearing turntables are available as standard drilled and undrilled, slewing rings are available undrilled. Special drill templates are available upon request.

Technical Features

E-coating

- Premium corrosion protection
- Additional top coat on request



Splined bolt

- Mounting kit with grooved screws, eliminating the need for additional welded thrust plates.

Item number KLE 0000300 (16 pieces)

Item number KLE 0000400 (24 pieces)

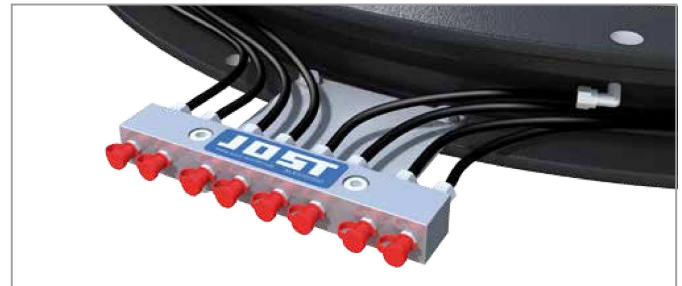


Mounting kit KLE0000500

Item	Description	per kit
01	Countersunk bolt M16x1,5x55	16
02	Counter sunk nut M16x1,5	16
03	Stop block	8

Central lubrication manifold

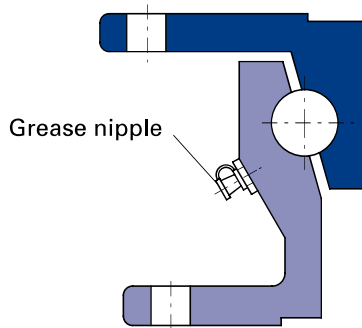
- Makes lubrication easier
 - Makes connection to central lubrication system easier
- Item number KLE 0000200



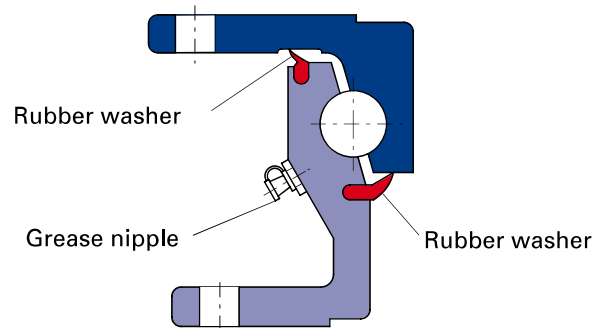
High performance lubricant

- JOST high performance lubricant for initial greasing or follow-up lubrication
- Item number SKE 005670000

Maintenance



Standard



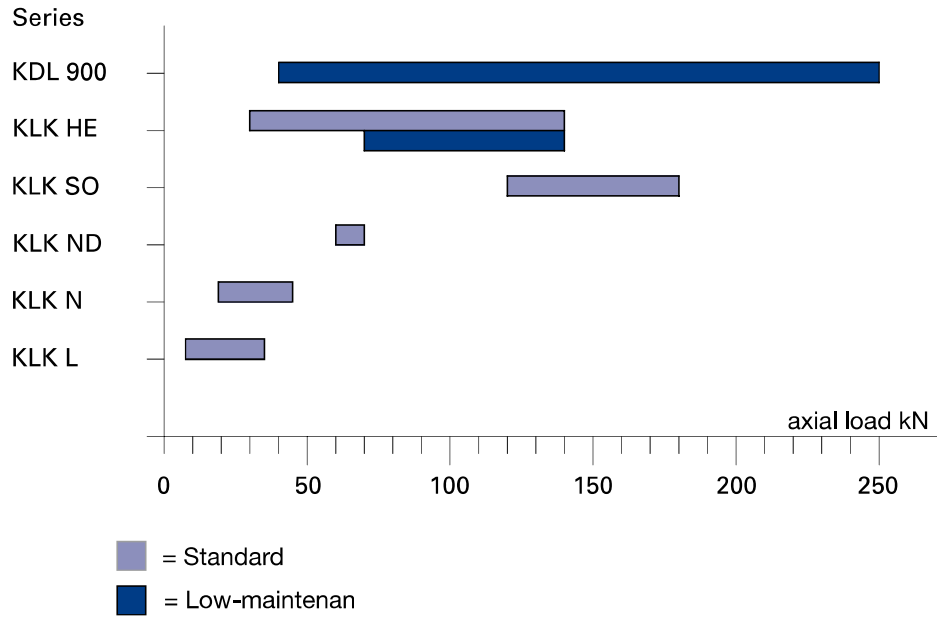
Low-maintenance

JOST standard ball bearing turntables are supplied with a thin base coating of lubricant. Before it is used for the first time the ball bearing turntable must be lubricated thoroughly. See JOST installation and operating instructions.

Connection to the central vehicle lubrication system is possible (grease is essential, rather than oil).

The low-maintenance versions of ball bearing turntables and slewing rings mean they do not have to be maintained for up to three years or 300,000 km. After this period they must be serviced in the same way as standard turntables. The low-maintenance models are distinguished by a green type plate and by the letter "W" at the end of the item number. Maintenance conditions differ when fitted to steered semi-trailers or in the case of heavy conditions of use. The maximum storage period for maintenance-free ball bearing turntables and slewing rings is three years.

Axial load / Technical Notes



Ball bearing turntables and slewing rings are parts for fitting onto trailers and agricultural vehicles to connect the A-frame to the trailer chassis so it can swivel.

The range of applications for ball bearing turntables and slewing rings depends on the maximum axle load. JOST ball bearing turntables and slewing rings cover an axle load range from 7.5 to 250 kN.

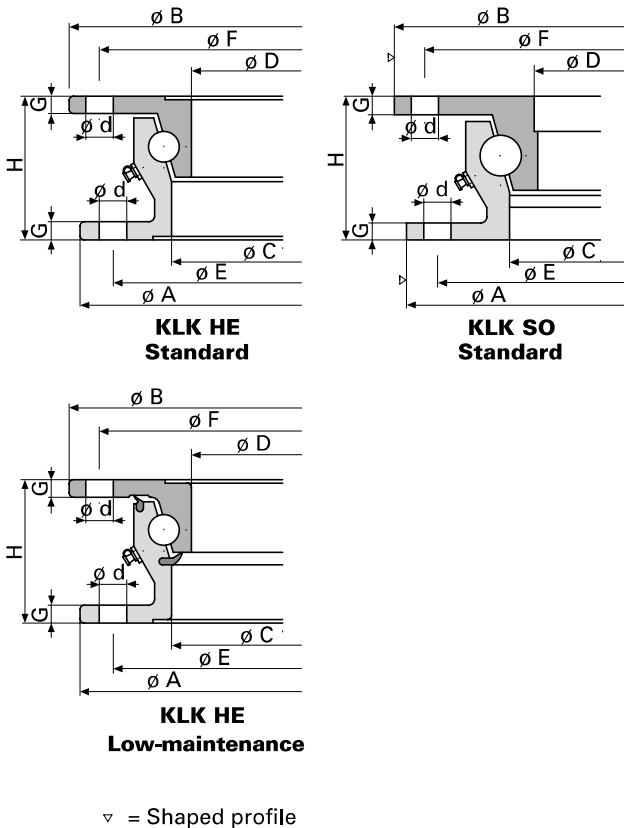
The specified axle loads for series KDL, HE, SO and ND relate to use where the slewing ring is mounted on the front axle of a trailer with three axles and fifth wheel steering, travelling at speeds of up to 100 kph (65 mph). On dual-axle trailers, the specified axle loads can be exceeded by 10% or 20% at speeds below 30 kph (18 mph).

All load data for series KDL, HE, SO, ND, L and N apply to use on roads in fifth wheel steering systems and for paved standard road conditions in Central Europe.

If the ball bearing turntable and slewing ring are to be mounted above the steered axle and above the king pin on semi-trailers, please ask JOST for the load data, giving details of the vehicle. Any deviations are given on the specification sheet.

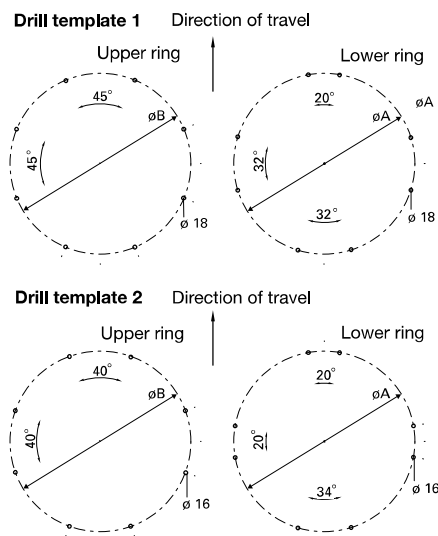
Ball bearing turntables and slewing rings must always be operated as set out in the relevant operating instructions for the particular vehicle. Compliance with "TÜV" Safety Regulations and Motor Vehicle Safety Standards (StVZO) is required in Germany.

Ball bearing turntables · KLK HE and SO



Specification

- E-coating
- Standard / Low-maintenance (HE series)
- Drilled / Undrilled
- Special drill templates available upon request
- Lubricant dispenser (optional)
- Grooved screw (optional)



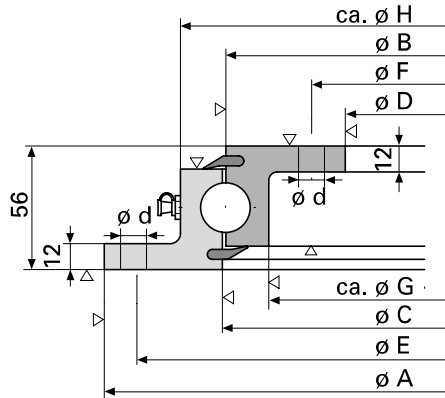
Selection table / Versions available

Order No.	Permitted axial load (kN)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	d (mm)	G (mm)	H (mm)	Weight (approx. kg)	WA	Drill template No
KLK HE 4	30	685	700	590	573	657	671		9	80	32.0	Standard	Undrilled
KLK HE 5	50	880	895	785	768	852	866	16	9	80	43.0	Standard	2
KLK HE 6-1000	60	1000	1015	905	888	972	986		9	80	48.0	Standard	Undrilled
KLK HE 6	65	1090	1105	995	978	1060	1074	18	9	80	52.0	Standard	1
KLK HE 12-1000	70	1000	1011	886	859	960	974		10	90	63.0	Standard	Undrilled
KLK HE 12-1000 W	70	1000	1011	882	850	960	974		10	90	65.0	Low-mainte.	Undrilled
KLK HE 12	80	1100	1111	986	959	1060	1074	18	10	90	69.0	Standard	1
KLK HE 12 W	80	1100	1111	977	950	1060	1074	18	10	90	72.0	Low-mainte.	1
KLK HE 18-1000	80	1000	1011	886	859	960	974		10	90	63.0	Standard	Undrilled
KLK HE 18-1000 W	80	1000	1011	882	850	960	974		10	90	65.0	Low-mainte.	Undrilled
KLK HE 18	100	1100	1111	986	959	1060	1074	18	10	90	69.0	Standard	1
KLK HE 18 W	100	1100	1111	982	950	1060	1074	18	10	90	72.0	warungsarm	1
KLK HE 1000-22	100	1000	1011	886	859	960	974		10	90	63.0	Standard	Undrilled
KLK HE 1000-22 W	100	1000	1011	882	850	960	974		10	90	65.0	Low-mainte.	Undrilled
KLK HE 1100-22	120	1100	1111	986	959	1060	1074	18	10	90	69.0	Standard	1
KLK HE 1100-22 W	120	1100	1111	982	950	1060	1074	18	10	90	72.0	Low-mainte.	1
KLK SO 1000-24	120	987	1000	873	842	952	966		10	90	68.0	Standard	Undrilled
KLK HE 1200-22	130	1200	1211	1086	1059	1160	1174	18	10	90	76.0	Standard	1
KLK HE 1200-22 W	130	1200	1211	1082	1050	1160	1174	18	10	90	80.0	Low-mainte.	1
KLK HE 1300-22	140	1300	1311	1186	1159	1260	1274		10	90	84.0	Standard	Undrilled
KLK HE 1300-22 W	140	1300	1311	1182	1150	1260	1274		10	90	89.0	Low-mainte.	Undrilled
KLK SO 1100-24	160	1095	1108	982	950	1060	1074	18	10	90	75.0	Standard	1
KLK SO 1200-24	180	1195	1208	1082	1050	1160	1174		10	90	83.0	Standard	Undrilled

Explanations:

WA / Maintenance

Slewing ring · KDL 900



▽ = Shaped profile

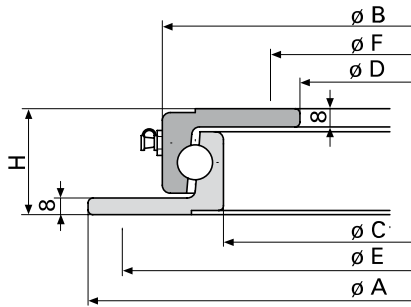
Specification

- E-coating
- Low-mainte.
- Drilled / Undrilled
- Special drill templates available upon request
- Hardened bearings
- Lubricant dispenser (optional)
- Grooved screw (optional)

Selection table / Versions available

Order No.	Permitted axial load (kN)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Hole diameter (ø d)	Number of holes on outer ring (na)	Number of holes on outer ring (ni)	G (mm)	H (mm)	Weight (approx. kg)
KDL 900-1 W	40	520	409	412	302	490	332	-	-	-	371	451	25.0
KLKKW91B13100	40	520	409	412	302	490	332	18	8	12	371	451	25.0
KDL 900-2 W	80	650	539	542	432	620	462	-	-	-	501	581	32.0
KLKKW92B23100	80	650	539	542	432	620	462	18	10	14	501	581	32.0
KDL 900-3 W	120	750	639	642	532	720	562	-	-	-	601	681	39.0
KLKKW93B33100	120	750	639	642	532	720	562	18	12	16	601	681	39.0
KDL 900-4 W	150	850	739	742	632	820	662	-	-	-	701	781	45.0
KLKKW94B43100	150	850	739	742	632	820	662	18	12	16	701	781	45.0
KDL 900-5 W	180	950	839	842	732	920	762	-	-	-	801	881	51.0
KLKKW95B53100	180	950	839	842	732	920	762	18	14	18	801	881	51.0
KDL 900-6 W	210	1050	939	942	832	1020	862	-	-	-	901	981	57.0
KLKKW96B63400	210	1050	939	942	832	1020	862	18	16	20	901	981	57.0
KDL 900-7 W	250	1200	1089	1092	982	1170	1012	-	-	-	1051	1131	67.0
KLKKW97B73400	250	1200	1089	1092	982	1170	1012	18	16	20	1051	1131	67.0

Ball bearing turntables · KLK L and N



Specification

- E-coating
- Standard
- Undrilled
- Special drill templates available upon request

Scope

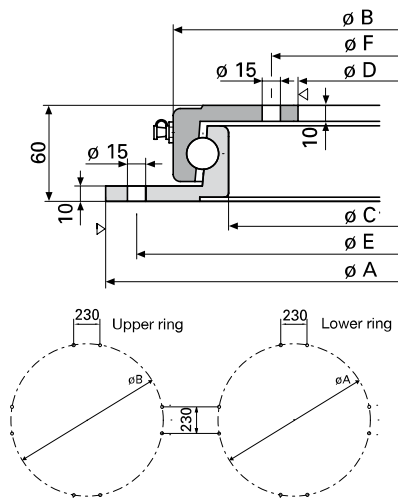
Application	Speed	Series
Farm vehicle	up to 30 km / h	L
Transport equipment	up to 30 km / h	L
Farm vehicle, heavy	over 30 km / h	N
Truck trailer, light	over 30 km / h	N

At a speed of less than 30 kph the maximum axial load for the N series can be increased by 30 to 50%.

Selection table / Versions available

Order No.	Permitted axial load (kN)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	H (mm)	Weight (approx. kg)
KLK 400L	7,5	400	342	292	230	375	260	45	11,0
KLK 500L	9	500	422	392	330	475	360	45	15,0
KLK 650L	15	650	592	542	480	625	510	45	20,0
KLK 750L	18	750	692	642	580	725	610	45	23,0
KLK 850L	25	850	792	742	680	825	710	45	27,0
KLK 950L	30	950	892	842	780	925	810	45	30,0
KLK 1050L	35	1050	992	942	880	1025	910	45	34,0
KLK 500N	18	500	437	384	315	475	340	52	17,0
KLK 650N	25	650	587	534	465	625	490	52	23,0
KLK 750N	30	750	687	634	565	725	590	52	28,0
KLK 850N	35	850	787	734	665	825	690	52	32,0
KLK 950N	40	950	887	834	765	925	790	52	36,0
KLK 1050N	45	1050	987	934	865	1025	890	52	40,0

Ball bearing turntables · KLK ND



Specification

- E-coating
- Standard
- Drilled / Undrilled
- Special drill templates available upon request
- Lubricant dispenser (optional)

Selection table / Versions available

Order No.	Permitted axial load (kN)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (approx. kg)
KLK 950 ND	60	952	885	821	750	920	780	52,0
KLK 1100 ND	70	1102	1027	963	890	1070	920	61,0