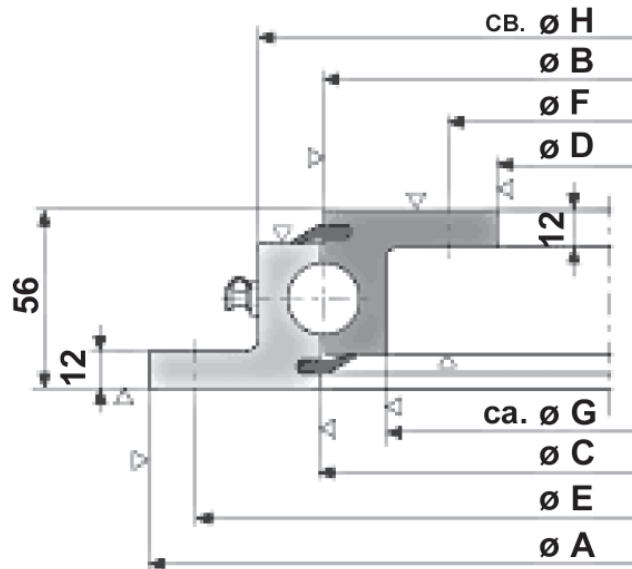


Series KDL 900/6W Low Profile Ballrace Models



▽ = Shaped profile

Type	øA	øB	øC	øD	øE	øF	øG	øH	Weight	Axial load
	mm	mm	mm	mm	mm	mm	approx.mm	approx.mm	approx.kg	kN
KDL 900-1	520	409	412	302	490	332	371	451	25	40
KDL 900-2	650	539	542	432	620	462	501	581	32	80
KDL 900-3	750	639	642	532	720	562	601	681	38	120
KDL 900-4	850	739	742	632	820	662	701	781	44	150
KDL 900-5	950	839	842	732	920	762	801	881	50	180
* KDL 900-6W	1050	939	942	832	1020	862	901	981	56	210
KDL 900-7	1200	1089	1092	982	1170	1012	1051	1131	65	250

The measurements are subject to our standard tolerances.

Model

* **KDL 900-6W** Supplied Pre-Drilled

**Typical applications: Fridge Van's
Stock Crate**

D-Value Rating: 190kN

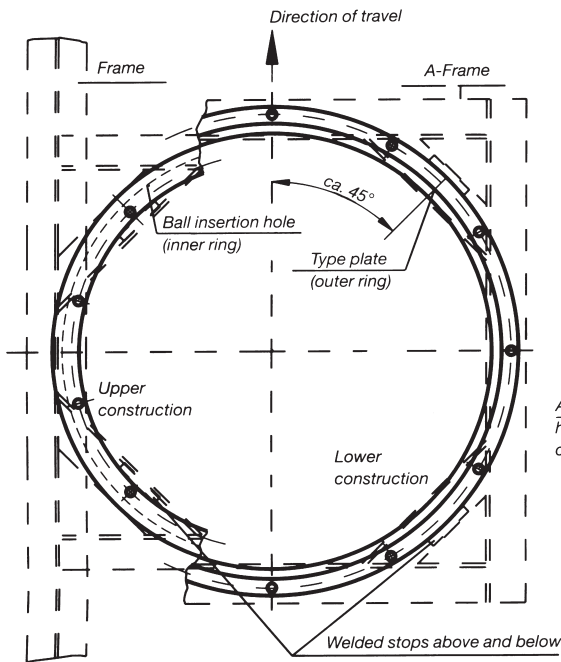
Slewing rings are supplied primed for corrosion protection.

Material C45.

Ball race hardened.

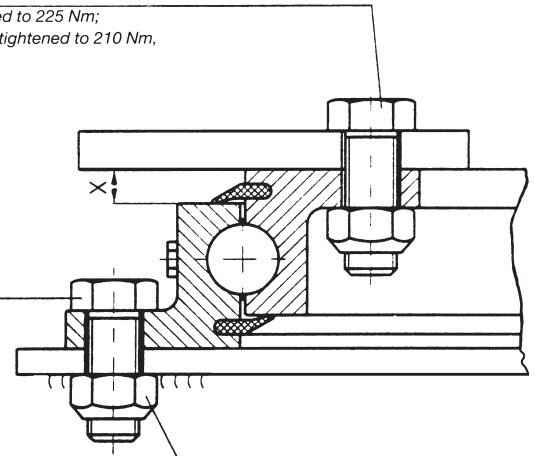
8 conical lubrication nipples AM 8 x 1 according to DIN 71412.

The above axial loads are applicable if the slewing ring is mounted to the front axle of a trailer at speeds of up to 105 km/h (65 m.p.h.). If it is to be used in self steering systems or above a fifth wheel please contact us for the maximum permissible loads by submitting construction data.



Hexagon bolt DIN 960
M16 x 1,5 – 8.8, tightened to 225 Nm;
alternatively M 16 – 8.8, tightened to 210 Nm,
according to DIN 931

Alternative mounting with
head bolt underneath,
counter nut also admissible.



Hexagon nut DIN 980
M 16 x 1,5 – 8 resp. M 16 – 8

Fitting and maintenance

1. The slewing ring must be mounted on a completely flat (max. unevenness 1mm) and rigid base with at least 50% of the circumference adequately supported. Particular attention must be paid to the support of the web section area containing the slewing ring races. Any unevenness under the flanges can be corrected with metal strips or by filling in with plastic metal.
2. Each flange must be attached with at least 12 high tensile bolts M 16 x 1,5 of at least grade 8.8. Do not drill in the area of the ball insertion hole, which should be at less than 45° to the direction of travel. The thickness of paint between slewing ring and mounting should not exceed 50 microns to guarantee the fit to be friction-tight.
3. To ease the shear load on the mounting bolts in the case of horizontal force at least 4 blocks should be welded on immediately adjoining each flange. The slewing ring must not be mounted by means of welding.
4. JOST slewing rings are initially lubricated before they leave the factory. Before they are put into

operation for the first time however they must be adequately re-lubricated with ball bearing grease (lithium saponified, NLGI class 2). Whilst lubricating the slewing ring should be turned so that the grease is evenly distributed. If a central lubrication system is to be used we recommend increasing the number of grease nipples (please state on order) and using a high quality lithium saponified ball bearing grease of at least NLGI class 1.

5. The slewing ring must be lubricated according to use but at least once every 3 months or 25,000 km, using a high quality ball bearing grease (lithium saponified, NLGI CLASS 2). Whilst lubricating the A-frame should be turned so that the grease is evenly distributed .

The tightness of the mounting bolts should also be checked at regular service intervals.

6. Slewing rings are subject to wear. The limit of wear is reached when the axial play is 3.5 mm. This is at the latest the case when the distance $X < 8$ mm at any point on the circumference.

Wear Limits

Radial play - max. 3.0mm

Axial play - max. 2.5mm