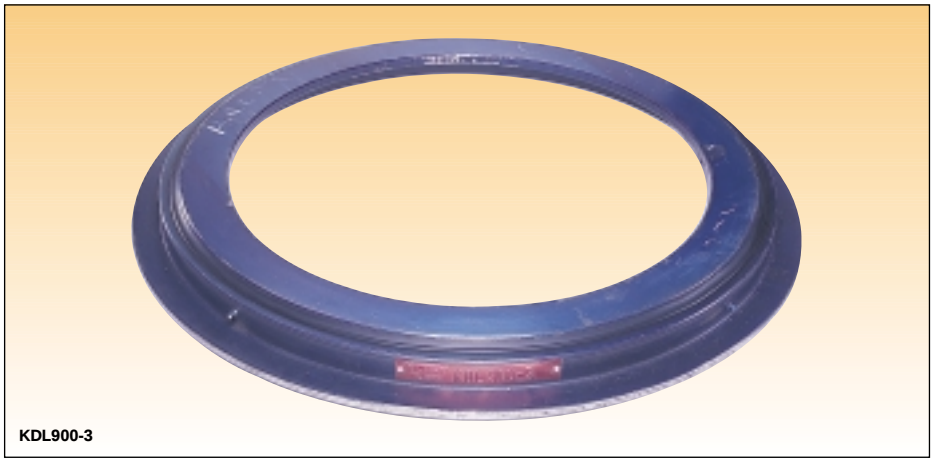
KDL series

- Turntables for mechanical handling applications and special trailers.



KDL900-3

A	B	C	D	E*	F*	G	H	I*	approx weight	load cap (tonnes)	code
520	451	371	302	490	332	12	56	18	25	4	**KDL900-1**
650	581	501	432	620	462	12	56	18	32	8	**KDL900-2**
750	681	601	532	720	562	12	56	18	38	12	**KDL900-3**
850	781	701	632	820	662	12	56	18	44	15	**KDL900-4**
950	881	801	732	920	762	12	56	18	50	18	**KDL900-5**
1050	981	901	832	1020	862	12	56	18	56	21	**KDL900-6**
1200	1131	1051	982	1170	1012	12	56	18	65	25	**KDL900-7**

* = recommended drilling measurements.

General information

Slewing rings are supplied undrilled and primed for corrosion protection.

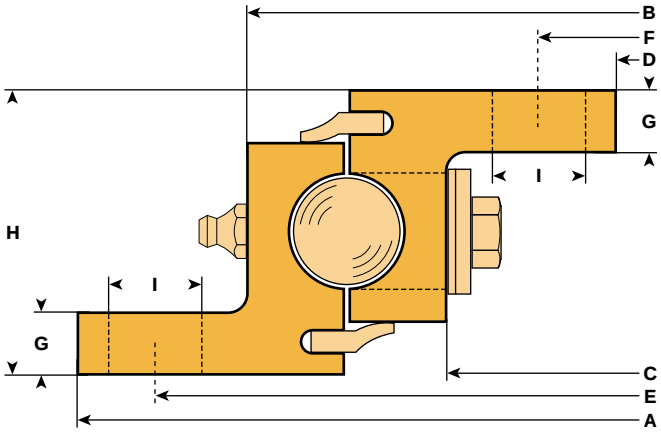
Material: C45.

Ball race: Hardened.

4 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 105km/h (65 mph).

If the slewing ring 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.



Head Office & Warehouse
Altrincham
Tel: 0161 928 9617
Fax: 0161 928 7824

South Coast Office & Warehouse
Bournemouth
Tel: 01202 579915
Fax: 01202 581902

Southern Office & Warehouse
Watford
Tel: 01923 249334
Fax: 01923 245513

Midlands Office & Warehouse
Burton upon Trent
Tel: 01283 845444
Fax: 01283 845666

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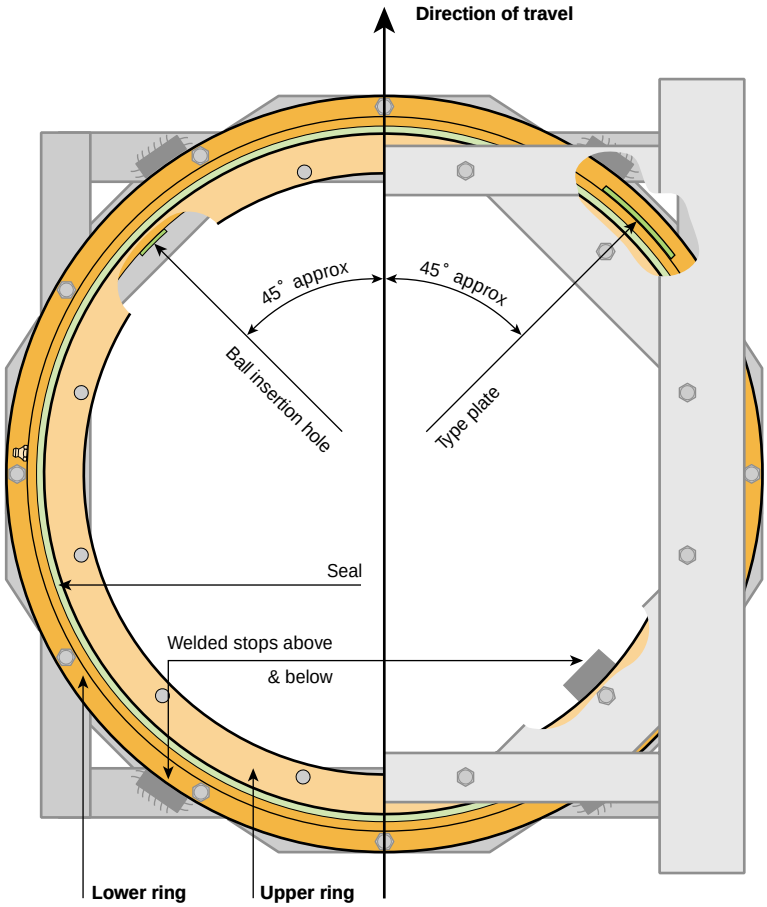
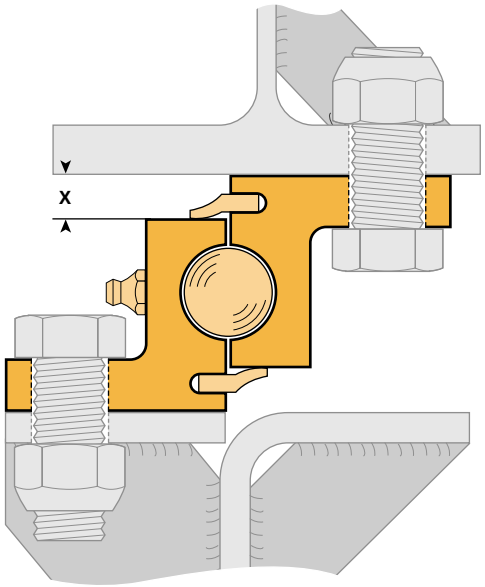
Tel: 01698 747005
Fax: 01698 747676





Fitting and maintenance instructions

1. The slewing ring must be mounted on a completely flat 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 M16 x 1.5 of 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.

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. The slewing rings are 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 depending on the location. Whilst lubricating, the A-frame should be turned so that the grease is evenly distributed and a collar of fresh grease extrudes around the entire circumference of the washers.

5. The slewing ring must be lubricated according to use but at least once a month with a suitable ball bearing grease depending on the location. Whilst lubricating, the A-frame should be turned so that the grease is evenly distributed and a collar of fresh grease extrudes around the entire circumference of the washers. The tightness of the mounting bolts should also be checked.

6. Slewing rings are subject to wear. The limit of wear is reached when the axial play is 3.5mm. This is at the latest the case when the distance **X** ≤ 7mm at any point on the circumference.