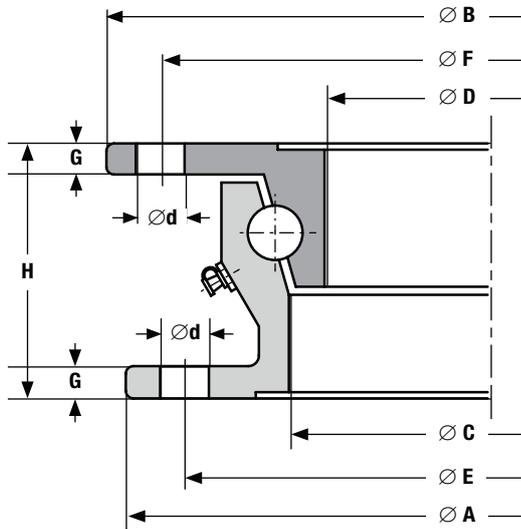
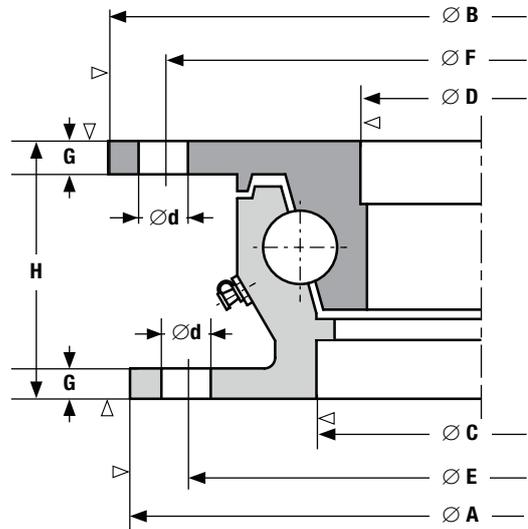


Ball bearing turntables - Series HE and SO

For drawbar trailers and special trailers



HE
Standard



SO
Standard

▽ = shaped profile

Type	Ø A mm	Ø B mm	Ø C mm	Ø D mm	Ø E mm	Ø F mm	G mm	H mm	Ø d mm	Weight approx. kg	Axial load kN
*HE 5	880	895	783	762	852	866	9	80	16	43	50
HE18-1000	1000	1008	886	859	960	974	10	90	–	63	80
SO1000-24	987	1000	871	844	952	966	10	90	–	72	120
*SO1100-24	1095	1108	979	952	1060	1074	10	90	18	82	160
KLK HE 1200-22	1200	1211	1086	1059	1160	1174	10	90	18	76	130

Note: SO1000-24 used in SO assembly
Ball bearing turntables are supplied undrilled.
*drilled and primed in black for corrosion protection.

The measurements are subject to our standard tolerances.

The above axial loads are applicable if the slewing ring is mounted to the front axle of the trailer with three/four axles at speeds of up to 105 km/h (65 mph).

They can be exceeded by 10% for full trailers with two axles.

In case of speeds below 30 km/h (18 mph) the axial loads can be exceeded by 20%.

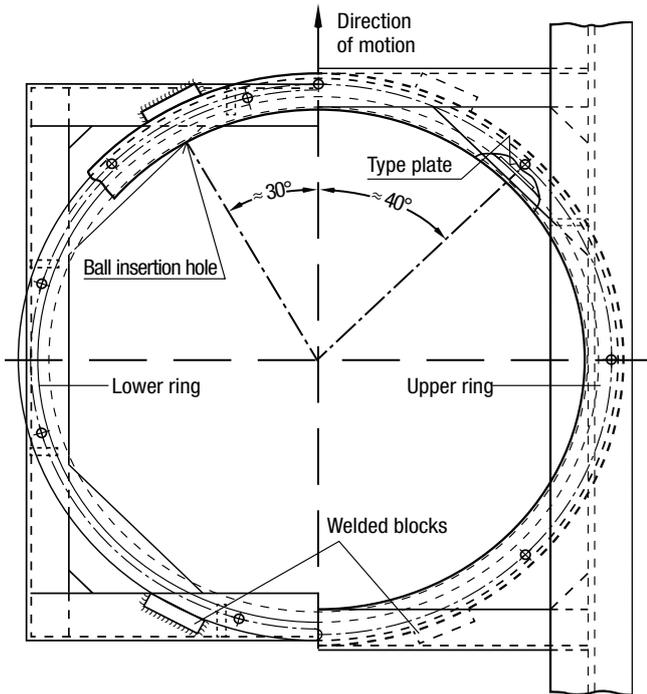
If required axial loads exceed the data permitted for turntables of series HE/SO, please ask for slewing rings of series KDL 900, which allow axial loads up to 250 kN.

In case of use above the steered axle and above the fifth wheel on semi-trailers with rear axle steering please enquire as to the load data giving details of the vehicle.

The load limits are only valid for operation on paved roads and under conditions prevailing in Europe.

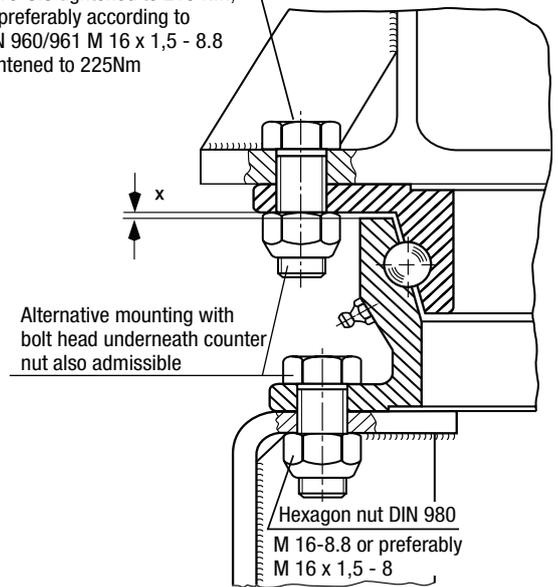
See reverse for fitting and maintenance instruction

Fitting and Maintenance Instructions for HE + SO



Hexagon bolt DIN 931

M 16-8.8 tightened to 210 Nm,
or preferably according to
DIN 960/961 M 16 x 1,5 - 8.8
tightened to 225Nm



Alternative mounting with
bolt head underneath counter
nut also admissible

Hexagon nut DIN 980
M 16-8.8 or preferably
M 16 x 1,5 - 8

- The ball bearing turntable must be mounted on a completely flat (max. unevenness 1mm) and horizontally and vertically 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 ball bearing races. Any unevenness under the flanges can be corrected with metal strips or by filling in with plastic material.
- Each flange must be attached with at least 8 high tensile bolts, M 16 x 1,5 of grade 8.8. Do not drill in the area of the type plate ball insertion hole which should be at less than 30° to the direction of travel. In case of operation under adverse conditions, we recommend the use of bolts with enlarged contact surface (such as Tensi Lock or Verbus Ripp), or to increase the number of bolts from 8 to 12 per flange. This applies in particular to type HE1300-22. The thickness of paint between turntable and frame should not exceed 50 mm to guarantee the fit to be friction-tight.
- To ease the shear load on the mounting bolts at least four blocks should be welded on immediately adjoining each flange. The ball bearing turntable must not be mounted by means of welding.
- JOST** ball bearing turntables are suitably lubricated before they leave the factory, before the trailer is put into operation for the first time, however, they should be re-lubricated with a high quality lithium saponified turntable grease of NLGI class 2 through all the grease nipples. The re-lubrication should build up a collar of grease in the gap between the 2 rings of the turntable thus preventing ingress of grit and water into the ball race. If a central lubrication system is to be used the quantity of lubrication nipples should be increased (please specify when ordering) and the above mentioned grease specification observed, however NLGI consistency class min 1.
- The ball bearing turntable must be lubricated according to use but at least once a month with a high quality lithium saponified turntable grease of NLGI class 2. Lubricant suitable for the type of operation and the prevailing operating conditions. While lubricating the A-frame should be turned so that the grease is evenly distributed and a collar of grease is being built up in the gap between the 2 rings. The tightness of the mounting bolts should also be checked.
- Ball bearing turntables are subject to wear. The limit of wear is reached when there is 3,5 mm axial play. This is the case at the very latest when the air gap $X = 0$ mm at any point on the circumference of the turntables.

Drilling pattern for ball bearing turntables

