

TURNTABLES HE SO

- Turntables for drawbar trailers and special trailers
- HE and SO turntables are not suitable for mechanical handling applications

VARLEY



General information

For turntables which will be used in a mechanical handling application see the KDL series on page 30.

Slewing rings are supplied primed for corrosion protection.

Measurements are subject to the manufacturer's standard tolerances.

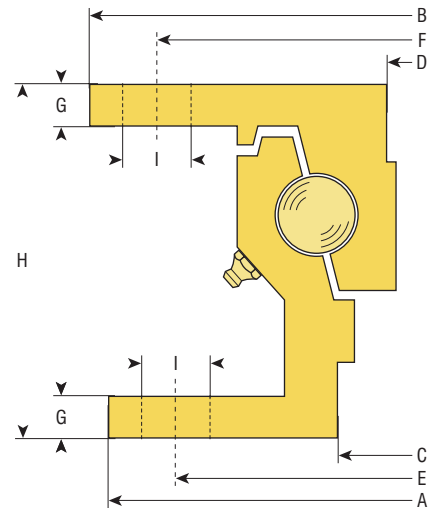
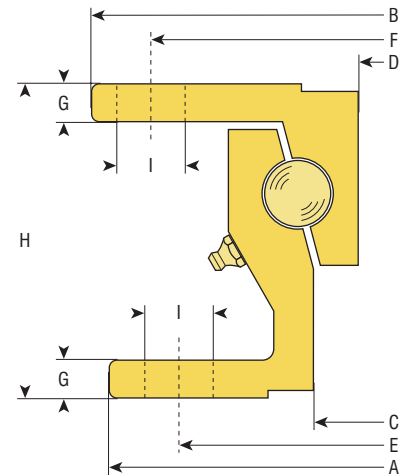
The above axial loads are applicable if the turntable is mounted to the front axle of a trailer with three axles at speeds of up to 105km/h (65 mph).

Axial loads may be exceeded by 10% for full trailers with two axles.

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

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

Load capacities given are only valid for operation on paved roads and under conditions prevailing in Europe.



HE TURNTABLES

A	B	C	D	E	F	G	H	I	approximate weight	load cap. (tonnes)	reference
685	700	588	567	657 *	671 *	9	80	undrilled	32	3	HE4
880	895	783	762	852	866	9	80	16	43	5	HE5
1000	1015	903	882	972 *	986 *	9	80	undrilled	48	6	HE6/1000
1090	1105	993	972	1060	1074	9	80	18	52	6.5	HE6
1000	1008	886	859	960 *	974 *	10	90	undrilled	63	7	HE12/1000
1100	1108	986	959	1060	1074	10	90	18	69	8	HE12
1000	1008	886	859	960 *	974 *	10	90	undrilled	63	8	HE18/1000
1100	1108	986	959	1060	1074	10	90	18	69	10	HE18
1000	1008	886	859	960 *	974 *	10	90	undrilled	63	10	HE1000/22
1100	1108	986	959	1060	1074	10	90	18	69	12	HE1100/22
1200	1208	1086	1059	1160	1174	10	90	18	76	13	HE1200/22

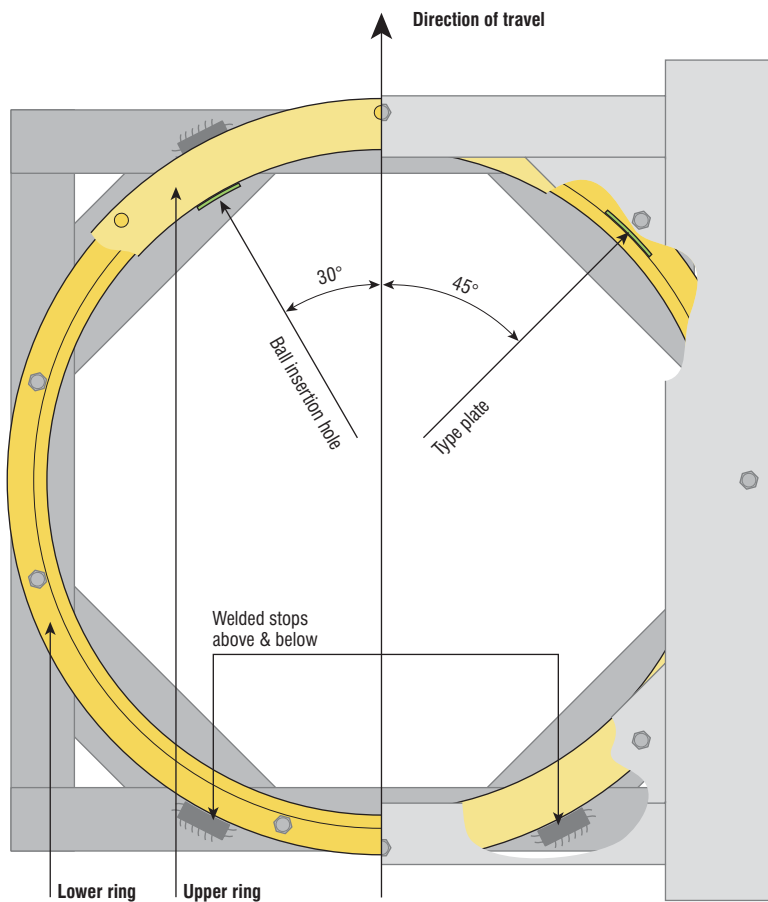
* Recommended drilling measurements for undrilled turntables

SO TURNTABLES

A	B	C	D	E	F	G	H	I	approximate weight	load cap. (tonnes)	reference
987	1000	871	844	952 *	332 *	10	90	undrilled	72	12	S01000/24
1095	1108	979	952	1060	462	10	90	18	82	16	S01100/24

* Recommended drilling measurements for undrilled turntables

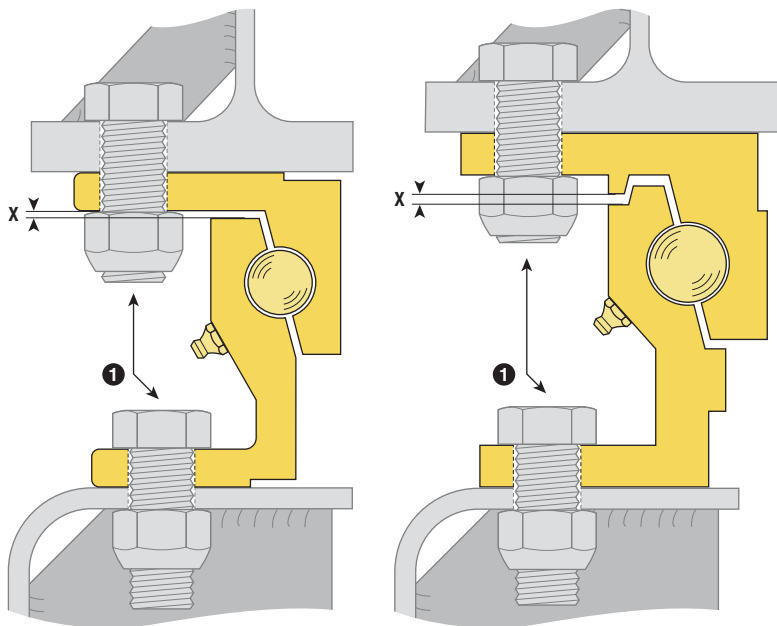
NOTE: All dimensions are in mm and all loadings in kg unless otherwise stated



Fitting and maintenance instructions

1. The ball bearing turntable 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 ball bearing 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 a minimum of 8 high tensile bolts grade 8.8, preferably M14 x 1.5 or M16 x 1.5.

Do not drill in the area of the type plate (ball insertion hole) which should be located at less than 40° to the direction of travel.
3. To ease the shear load on the mounting bolts at least 4 blocks should be welded on immediately adjoining each flange. The ball bearing turntable must not be mounted by means of welding.
4. The turntables are lubricated with a lubricant suitable for the type of operation and the adherent operating conditions before they leave the factory, however the turntable must be adequately re-lubricated before the trailer is put into operation for the first time. 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 races.
5. The ball bearing turntable must be lubricated according to use but at least once a month with a lubricant suitable for the type of operation and the adherent operating condition. 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 two rings. The tightness of the mounting bolts should also be checked.
6. Ball bearing turntables 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 air gap X = 0mm at any point on the circumference of the turntable.



1 Alternative mounting with head of bolt underneath counter nut also admissible

