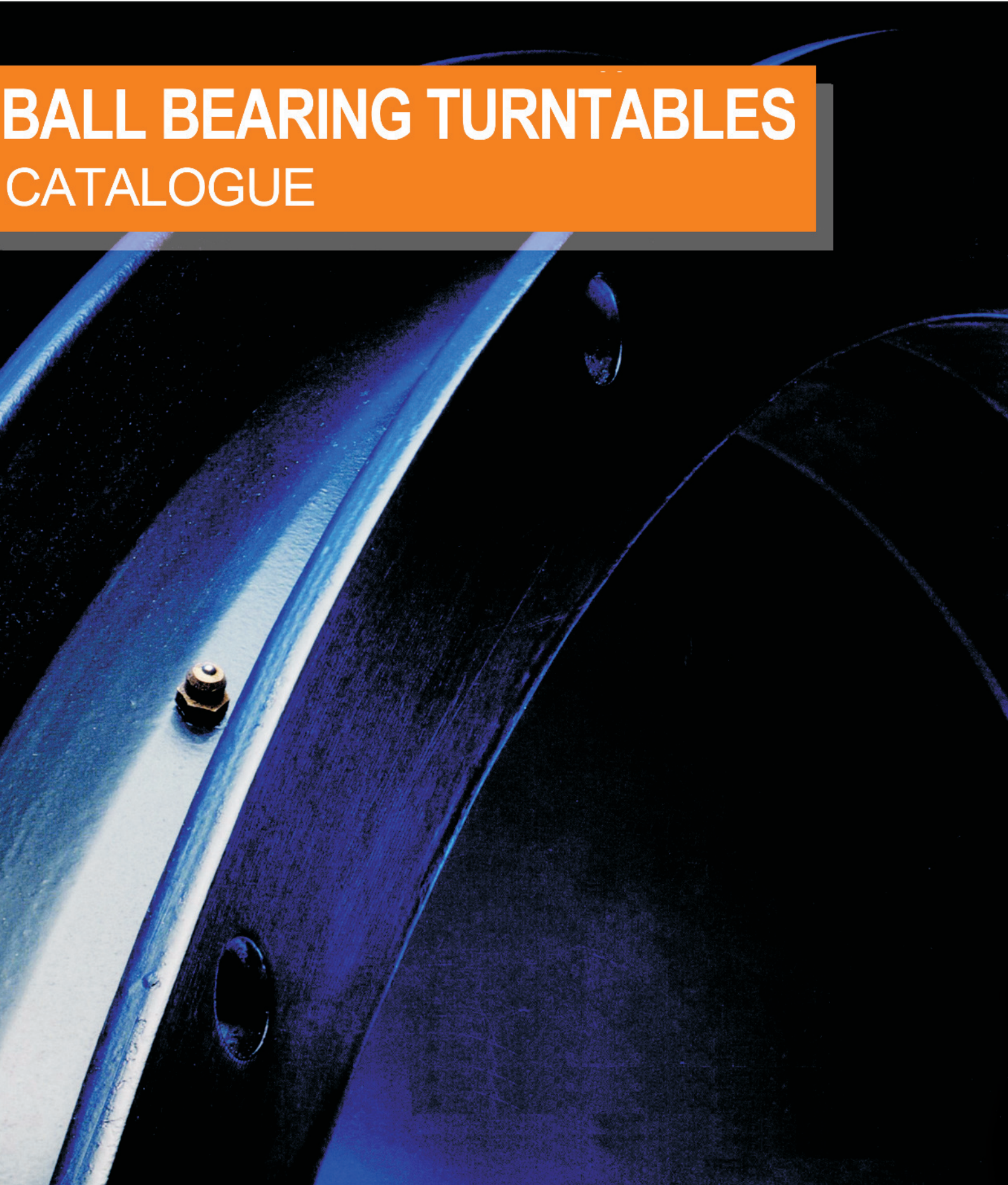




Helmut Buer GmbH & Co. KG

BALL BEARING TURNTABLES CATALOGUE



CONTENT

Ball Bearing Turntables	page
HB-Standard	1
HB-Low Maintenance, forged	1
HB-Heavy Duty casted single ball race	2
HB-Heavy Duty casted double ball race	2
HB-slow moving vehicles	3
Maintenance and Mounting Guideline	3
HB-L Series	4
HB-ZG Series	4
HB-ND Series	4

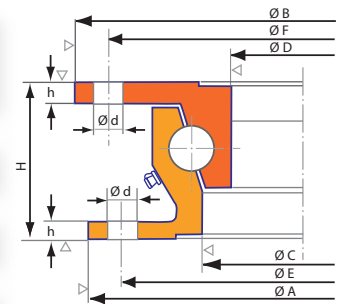
BALL BEARING TURNTABLES WITH U-PROFILE



HB-Standard

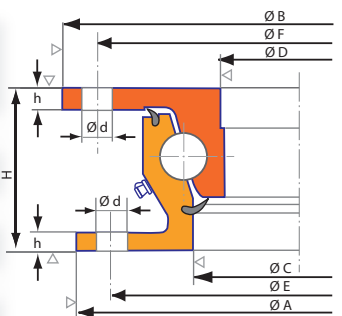
for full trailers, agricultural trailers, dumpers and special vehicles

type	Ø A mm	Ø B mm	Ø C mm	Ø D mm	Ø E mm	Ø F mm	h mm	H mm	weight (kg)	axial load (t)	drill pattern
HB 12/1000	1000	1008	877	846	960	974	10	90	73	7	-
HB 12	1100	1108	986	946	1060	1074	10	90	80	8	8L (b)
HB 18/1000	1000	1008	977	846	960	974	10	90	73	8	-
HB 18	1100	1108	977	946	1060	1074	10	90	80	10	8L (b)
HB 1000/22	1000	1008	877	846	960	974	10	90	73	10	-
HB 1100/22	1100	1108	977	946	1060	1074	10	90	79	12	8L (b)
HB 1100/24	1095	1108	977	946	1060	1074	10	90	80	12	8L (b)
HB 1200/22	1200	1208	1077	1046	1160	1174	10	90	87	13	8L (b)
HB 1300/22	1300	1308	1177	1146	1260	1274	10	90	94	14	8L (b)

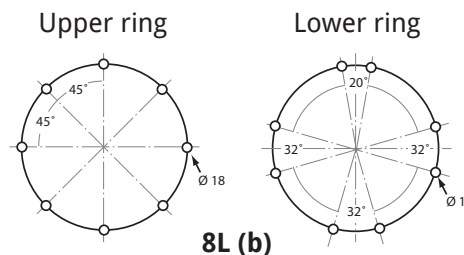


HB-Low Maintenance, forged

type	Ø A mm	Ø B mm	Ø C mm	Ø D mm	Ø E mm	Ø F mm	h mm	H mm	Gewicht (kg)	axial load (t)	drill pattern
HB 12/1000(W)	1000	1008	877	846	960	974	10	90	73	7	-
HB 12(W)	1100	1108	977	946	1060	1074	10	90	80	8	8L (b)
HB 18/1000(W)	1000	1008	877	846	960	974	10	90	73	8	-
HB 18(W)	1100	1108	977	946	1060	1074	10	90	80	10	8L (b)
HB 1000/22(W)	1000	1008	877	846	960	974	10	90	73	10	-
HB 1100/22(W)	1100	1108	977	946	1060	1074	10	90	80	12	8L (b)
HB 1100/24(W)	1095	1108	979	952	1060	1074	10	90	83	16	8L (b)
HB 1200/22(W)	1200	1208	1077	1046	1160	1174	10	90	87	13	8L (b)
HB 1300/22(W)	1300	1308	1177	1146	1260	1274	10	90	94	14	8L (b)



DRILL PATTERN



The given axial loads are valid for three-axle truck trailers. They can be exceeded by 10% for two axle truck trailers. For applications below 25 km/h (15.5 mph) the axial loads can be exceeded by 20%. Low maintenance means: under normal operation conditions is no maintenance required for up to 300.000 km or 3 years depending on first occur. However, this is conditional upon no high pressure or steam jet devices being used in the area of the bearing seals during vehicle cleaning. The bearing seals should be checked at regular intervals for mechanical damages

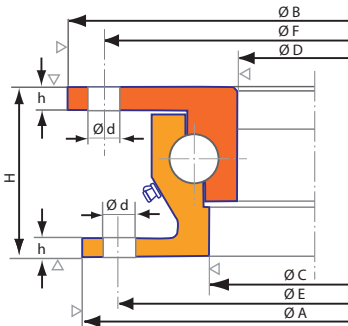
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All information without guarantee. Subject to technical changes

BALL BEARING TURNTABLES WITH U-PROFILE

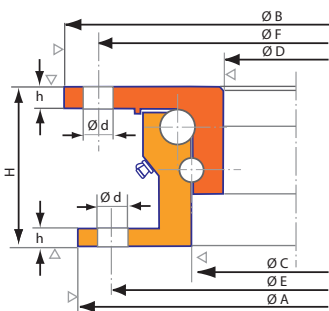
HB-Heavy Duty casted single ball race



type	Ø A mm	Ø B mm	Ø C mm	Ø D mm	Ø E mm	Ø F mm	h mm	H mm	weight (kg)	axial load (t)	drill pattern
HB 4-HD	685	700	590	565	657	671	13	80	38	4	(u)
HB 5-HD	880	895	785	760	852	866	13	80	48	5	-
HB 6/1000-HD	1000	1015	903	882	972	986	13	80	62	6	(u)
HB 6-HD	1100	1107	990	970	1060	1074	13	80	72	6,5	8L (b)
HB 12/1000-HD	1000	1015	885	860	960	974	14	90	72	7	(u)
HB 12-HD	1100	1111	983	949	1060	1074	15	90	83	8	8L (b)
HB 18/1000-HD	1000	1015	885	860	960	974	15	90	72	8	(u)
HB 18-HD	1100	1111	983	949	1060	1074	15	90	83	11	8L (b)
HB 1000/22-HD	1000	1015	885	860	960	974	15	90	74	10	(u)
HB 1100/22-HD	1100	1111	983	949	1060	1074	15	90	85	12	8L (b)
HB 1000/24-HD	1000	1015	870	845	952	966	16	90	78	15	(u)
HB 1200/22-HD	1200	1211	1083	1050	1160	1174	15	90	92	13	8L (b)
HB 1300/22-HD	1300	1315	1185	1160	1260	1274	16	90	102	16	(u)
HB 1100/24-HD	1100	1115	980	950	1060	1074	16	90	89	18	8L (b)

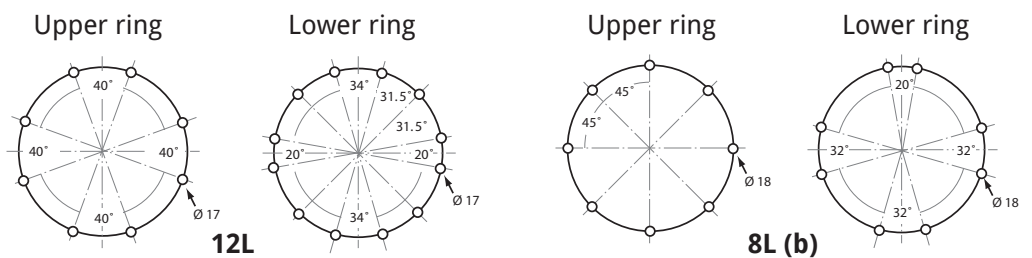
(u) = undrilled version

HB-Heavy Duty casted double ball race



type	Ø A mm	Ø B mm	Ø C mm	Ø D mm	Ø E mm	Ø F mm	h mm	H mm	weight (kg)	axial load (t)	drill pattern
HB 90/13	1095	1108	979	942	1060	1074	10	90	92	13	8L (b)
HB 90/16	1095	1108	979	942	1060	1074	10	90	92	16	8L (b)
HB 90/20	1095	1108	979	942	1060	1074	10	90	92	20	8L (b)
HB 90/20-1212	1195	1208	1079	1042	1160	1174	10	90	101	20	12L
HB 90/26-1212	1195	1208	1079	1042	1160	1174	10	90	101	26	12L
HB 90/30-1212	1195	1208	1079	1042	1160	1174	10	90	101	30	12L

DRILL PATTERN



Double ball raced turntables guarantee the optimal distribution of the occurring axial and radial forces. This is made possible by the double row of balls. A quality advantage that is particularly important for truck trailers, trailers and heavy goods vehicles.



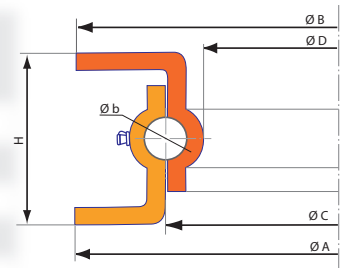
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BALL BEARING TURNTABLES WITH U-PROFILE



HB-slow moving vehicles

type	Ø A mm	Ø B mm	Ø C mm	Ø D mm	Ø b mm	H mm	axial load (t)	weight (kg)
HB-300/55	298	293	220	200	12	55	0,5	5
HB-400/55	400	400	320	300	12	55	0,75	8
HB-500/55	500	500	420	400	12	55	1,0	10
HB-600/65	600	600	516	490	14	65	1,7	18
HB-650/65	650	650	568	543	14	65	1,7	20
HB-700/65	700	700	620	594	14	65	2,2	22
HB-750/65	750	750	668	640	14	65	2,2	24
HB-800/65	800	800	718	690	14	65	2,5	26
HB-850/65	850	850	767	742	14	65	3,0	28
HB-900/65	900	900	820	793	14	65	3,5	30
HB-950/65	950	950	870	843	14	65	3,5	31
HB-1000/65	1000	1000	920	895	14	65	4,0	33
HB-1050/65	1050	1050	970	945	14	65	4,5	35
HB-900/80	890	895	795	766	16	80	5,0	36
HB-1000/80	1010	1015	916	888	16	80	6,0	42
HB-1100/80	1100	1105	1005	976	16	80	6,5	45
HB-1000/90	1000	1008	889	856	20	90	8,0	60
HB-1100/90	1100	1100	980	948	20	90	10,0	65



Maintenance and Mounting Guideline

Delivery: The turntables are supplied as either drilled or undrilled, optional construction on request.

After Installing: All turntables are assembled and supplied without grease from the factory. After installing the turntable on a trailer, it must be filled with grease. Recommended grease is Lithium based grease (Grade NLGI-2).

Maintenance: Depending on application conditions all turntables have to be greased once per month with Lithium based (Grade NLGI-2).

Mounting: The turntable must be mounted on a flat and rigid base / frame. At least 50% of the turntable's circumference must be adequately supported.

Warning: No welding works on the turntable is permitted. This is to prevent distortion and mal-function of the turntable assembly.

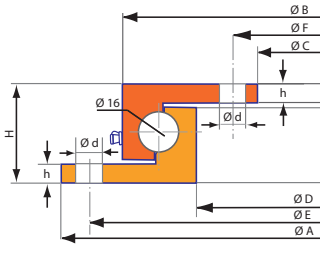
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BALL BEARING TURNTABLES WITH Z-PROFILE



HB-L Series

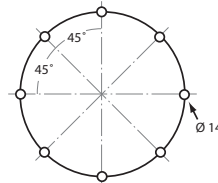
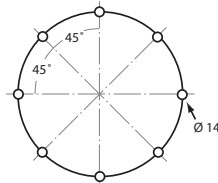


type	Ø A mm	Ø B mm	Ø C mm	Ø D mm	Ø E mm	Ø F mm	h mm	Ø d mm	H mm	weight (kg)	axial load (t)
HB 400L	400	342	230	292	375	260	8	15	45	11	0,8
HB 400L [gebohrt]	400	342	230	292	375	260	8	15	45	11	0,8

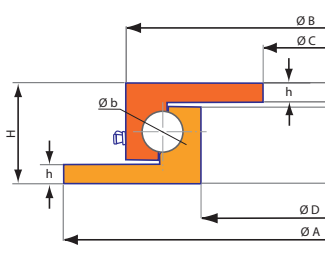
DRILL PATTERN

Upper ring

Lower ring



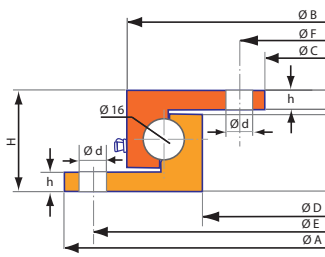
HB-ZG Series



type	Ø A mm	Ø B mm	Ø C mm	Ø D mm	Ø b mm	h mm	H mm	axial load (t)
HB-500 ZG	500	437	310	379	16	10	52	1,8
HB-650 ZG	650	587	465	523	16	10	52	2,5
HB-750 ZG	750	687	565	620	16	10	52	3,0
HB-850 ZG	850	787	665	723	16	10	52	3,5
HB-950 ZG	950	887	752	820	16	10	52	4,0
HB-1050 ZG	1050	987	865	923	16	10	52	4,5

Drilled version on request

HB-ND Series

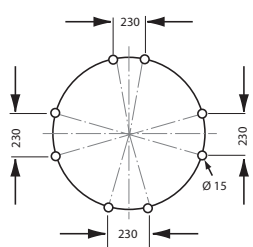
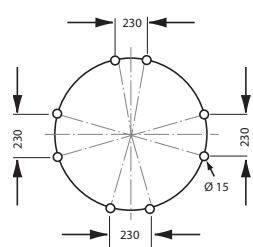


type	Ø A mm	Ø B mm	Ø C mm	Ø D mm	Ø E mm	Ø F mm	h mm	Ø d mm	H mm	weight (kg)	axial load (t)
HB 950ND	952	885	750	821	920	780	12	15	60	50	6,0
HB 1100ND	1102	1027	890	963	1070	920	12	15	60	70	7,5

DRILL PATTERN

Upper ring

Lower ring





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