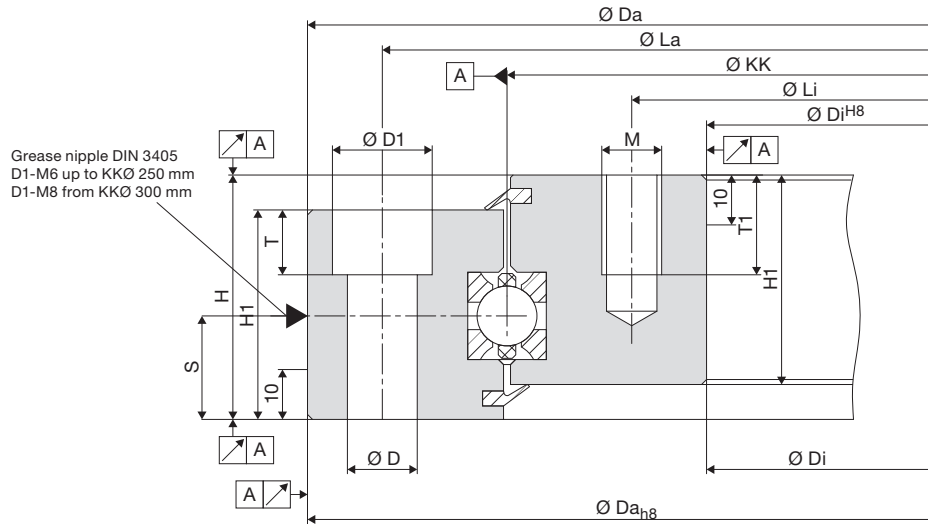


Bearing Assemblies

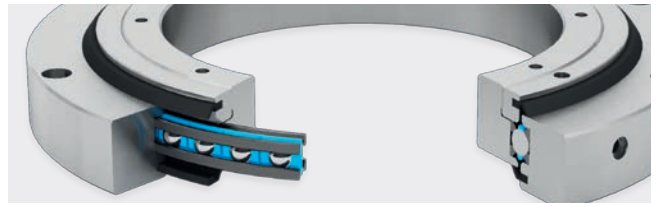
Aluminium design

Type LVB



KKØ mm	Dimensions								
	D1	D	H	H1	M	S	T	T1	
100-250	11	6.6	34 ^{+/-0.4}	27	M 6	16,5	6,8	10	
300-350	15	9.0	38 ^{+/-0.4}	31	M 8	17,5	9,0	15	
400-450	18	11.0	44 ^{+/-0.5}	37	M 10	19,5	11,0	15	
500-600	20	14.0	49 ^{+/-0.5}	42	M 12	20,5	13,0	20	
700-1000	20	14.0	53 ^{+/-0.5}	45	M 12	21,5	13,0	20	
1200-1400	26	18.0	60 ^{+/-0.5}	52	M 16	33,5	17,5	25	
1600-1800	26	18.0	90 ^{+/-0.5}	82	M 16	48,5	17,5	25	

KKØ mm	Dimensions				Fixing/ mounting per ring	Load rating				Stat. moment kNm	Weight kg	Availability
	Da _{H8}	Di ^{H8}	La	Li		C _{0a}	C _{0r}	C _a	C _f			
LVB0100	150	50	135	65	6x	54	25	18	16	1	1.2	from stores
LVB0150	200	100	185	115	6x	82	39	22	19	3	1.8	
LVB0200	250	150	235	165	8x	110	52	24	21	5	2.4	from stores
LVB0250	300	200	285	215	10x	138	65	26	23	8	3.0	
LVB0300	360	240	340	260	12x	166	78	28	24	12	4.9	from stores
LVB0350	410	290	390	310	14x	196	92	30	26	16	5.8	
LVB0400	470	330	445	355	14x	224	106	33	28	20	6.7	
LVB0450	520	380	495	405	14x	252	120	35	30	24	7.6	
LVB0500	580	420	550	450	14x	280	134	37	32	28	8.5	
LVB0600	680	520	650	550	16x	335	162	41	36	32	10.0	
LVB0700	790	610	750	650	22x	400	190	45	40	36	11.5	
LVB0800	890	710	850	750	24x	475	220	49	44	40	13.0	
LVB0900	990	810	950	850	24x	550	250	53	48	44	14.5	
LVB1000	1090	910	1050	950	26x	625	280	57	52	48	16.0	
LVB1200	1300	1100	1265	1135	30x	750	330	65	60	56	18.5	
LVB1400	1500	1300	1465	1335	36x	900	390	75	70	64	21.5	
LVB1600	1730	1470	1685	1515	42x	1050	450	85	80	72	24.5	
LVB1800	1930	1670	1885	1715	46x	1200	510	95	90	80	27.5	



Bearing type

LVB is a bearing assembly with housing rings made of aluminium and integrated bearing element. Franke bearing assemblies in type LVB are designed for medium rotational speeds and accuracies. They are available on short notice, in some cases even from the warehouse (see table).

Characteristics

Franke bearing assemblies type LVB are ready-to-use, complete bearings with integrated Wire Race Bearings. Designed as 4-point bearings, they absorb equal load from all sides and are insensitive to impact and vibration. The bearing assemblies are sealed on both sides and set free from clearance and are preloaded. On request you can receive the bearing assemblies ex works with your specified preload values.

Please find construction examples, special accuracies and other options of individual tailoring on pages 11–19.

Technical details

Material	Inner/outer ring: AlZnMgCu05, ball race rings: 54SiCr6, rolling element: 100Cr6, cage: PA12, seal: NBR
Temperature in use	-30 °C to +80 °C, briefly up to +100 °C
Circumferential speed	max. 5 m/s, without seals max. 10 m/s
Screw connection	See 'Technical information' on p. XY
Lubricant grease	Klüber ISOFLEX TOPAS NCA52
Relubrication	using grease nipples according to DIN 3405
Lubrication schedule	See 'Technical information'.



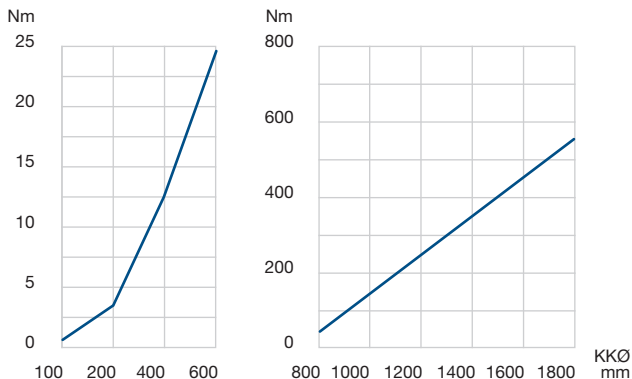
Technical information/calculation

Please find additional information on bearing selection, calculation, mounting and setting in 'Technical information'. Our technical consultants are pleased to assist you in identifying the correct bearing assembly for your application.

Please call us under: +49 7361 920-0 or send us an email at: info@franke-gmbh.de.

Rotational resistance

The rotational resistance indicates the preload on the bearing assembly. It is dependent on the respective type and the race ring diameter. The values indicated in the diagram are standard values and can be aligned individually.



Radial and axial runout accuracy

The running accuracies in the diagram are maximum values.

