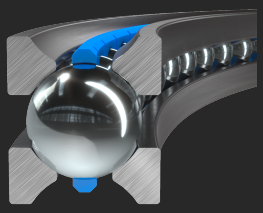
Innovation in Motion

Franke



Bearing with profiled raceways
Ball bearing type LER

Description

Franke bearing elements type LER are suitable for medium rotational speeds and accuracies. They convince by smooth running, high dynamics and compact installation space. Due to the straight contact surfaces, they can be easily integrated into the surrounding design and have a high rigidity. The low price makes the bearing element of type LER an economical solution. LER are generally mounted without clearance. The preload can be individually adjusted according to the requirements.

Characteristics

Smooth running	●●●
Accuracy	●●●
Speed	●●●●●
Stiffness	●●●●
Assembly	●●●●
Price	●●●●

Technical Data

Material

Ball race rings: hardened and tempered chrome-silicon steel
Rolling element: hardened rolling bearing steel
Cage: polyamide or thermoplastic polyurethane

Operating temperature

-30 °C to +80 °C, short-term up to +100 °C

Peripheral speed

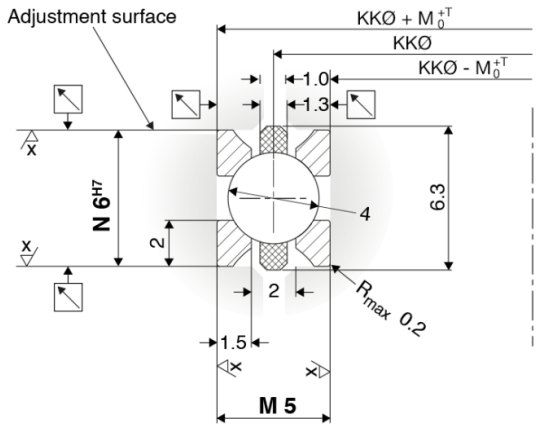
Max. 5 m/s, without seal max. 10 m/s

Lubricant

Shell Gadus S3 V220 C2

Bearing with profiled raceways
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Dimensions and Data Tables

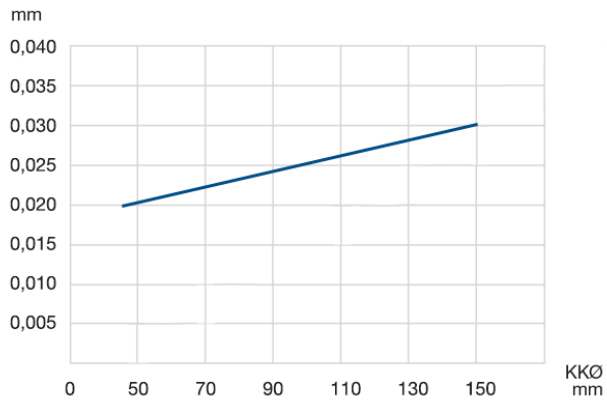


T = KKØ / 10000 [mm]

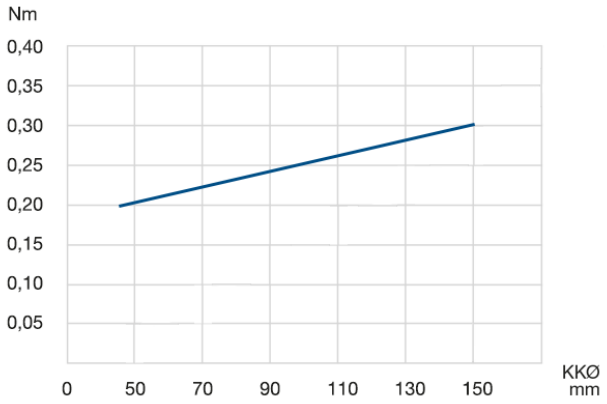
		Load Ratings kN				Static Moment kNm	
Name	KKØ mm	C_{0a}	C_{0r}	C_a	C_r	C_{0m}	Weight kg
LER1.5-0040	40	8	4	5	4	0,1	0,01
LER1.5-0050	50	11	5	5	4	0,1	0,02
LER1.5-0060	60	13	6	6	5	0,2	0,02
LER1.5-0070	70	15	7	6	5	0,2	0,03
LER1.5-0080	80	17	8	6	5	0,3	0,03
LER1.5-0090	90	20	9	6	6	0,4	0,03
LER1.5-0100	100	22	10	7	6	0,5	0,04
LER1.5-0110	110	24	11	7	6	0,6	0,04
LER1.5-0120	120	26	12	7	6	0,7	0,05
LER1.5-0130	130	29	13	7	6	0,9	0,05
LER1.5-0140	140	31	14	8	7	1,0	0,05
LER1.5-0150	150	33	15	8	7	1,2	0,06

Bearing with profiled raceways
Ball bearing type LER

Radial and axial runout accuracy



Rotational resistance



Contact

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DIN EN ISO 9001 QM
DIN EN ISO 14001 UM

dated: 20.09.2026