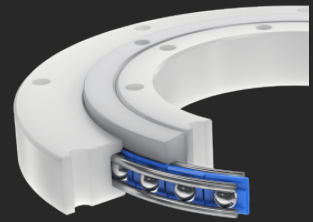


Bearing assemblies made of plastic (POM)

Type LVK



Franke LVK type bearing assemblies offer all the advantages of wire race bearing technology combined in a lightweight plastic housing.

Description

Franke LVK type bearing assemblies are ready-to-install bearings with housing rings made of plastic (POM) and integrated bearing elements. Franke LVK are suitable for medium rotational speeds and accuracies. Designed as 4-point bearings, they absorb equally high loads from all directions and are insensitive to shocks and vibrations. LVK bearing assemblies are insensitive to environmental influences and can also be used in food technology and pharmacy.

PLEASE NOTE: Plastic bearing assemblies are available from quantities of >20 pieces. For smaller quantities, we offer you bearing assemblies with housing rings made from 3D printing. On request, also customised to your further design. We will be happy to advise you!

Properties

Smooth running	● ● ●
Resilience	● ● ●
Speed	● ● ●
Stiffness	● ●
Weight	● ● ● ● ● ●
Price	● ● ● ● ● ●

Technical data

Material

Inner/Outer ring: Polyoxymethylene (POM)

Ball races: Non corrosive Steel (1.4310)

Rolling elements: Non corrosive Steel

Cage: Polyamid (PA12)

Operating temperature

-10 °C to +80 °C, short-term up to +100 °C

Peripheral speed

Max. 4 m/s

Lubricant

Klüber UH1 14-151

Relubrication

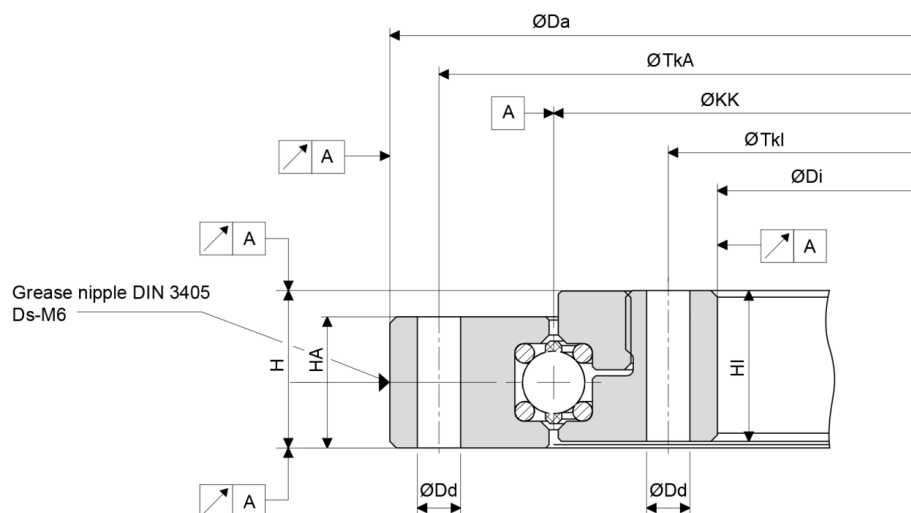
Via grease nipples to DIN 3405

Bearing assemblies made of plastic (POM) Type LVK

Innovation in Motion



Data tables



LVK Table part 1

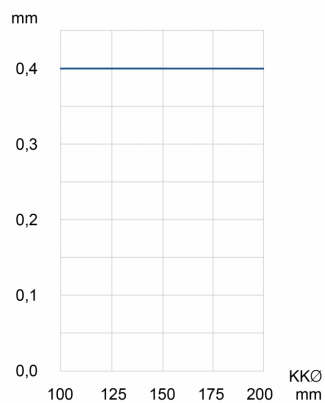
Name	KKØ mm	Dimensions mm								Attachment per ring
		Da_{H8}	Dd	Di^{H8}	H	HA	HI	TkA	Tkl	
LVK-0100	100	150	6,6	50	24	20	23	135	65	6x
LVK-0150	150	200	6,6	100	24	20	23	185	115	8x
LVK-0200	200	250	6,6	150	24	20	23	235	165	8x

LVK Table part 2

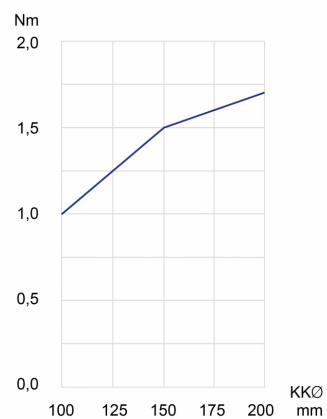
Name	KKØ mm	Load ratings kN				Stat. M. kNm	Weight kg	Order no.	Delivery time*	
		C_{0a}	C_{0r}	C_a	C_r					
LVK-0100	100	5,6	2,0	5,6	2,0	0,07	0,5	612952	on request	
LVK-0150	150	8,1	2,9	5,6	2,0	0,14	0,8	612302	on request	
LVK-0200	200	10,6	3,8	10,6	3,8	0,25	1,0	612304	on request	

* Prices and delivery times are ex works Germany and are subject to change without notice. In other countries, prices and delivery times may vary due to different taxes, duties, charges and fees.
For actual sales prices and delivery conditions in your country, please contact our local representative.

Radial and axial runout accuracy



Rotational resistance



Contact

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DIN EN ISO 9001 QM
DIN EN ISO 14001 QM

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