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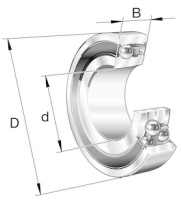


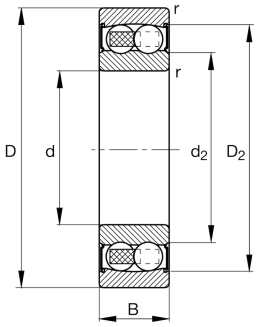
FAG

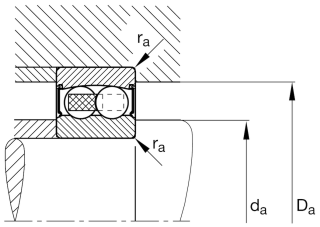
2306-2RS-TVH

Self-aligning ball bearing

Self-aligning ball bearing 23..-2RS-TVH, seals, plastic cage

Technical information





Your current product variant

Bore type	Z	Cylindrical
Type of Sealing	2RS	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Tolerance class PN, acc. to DIN 620
Radial internal clearance	CN (Group N)	Normal internal clearance
Lubricant	GA13	Ball bearing and insert bearing grease

Main Dimensions & Performance Data

d	30 mm	Bore diameter
D	72 mm	Outside diameter
B	27 mm	Width
C_r	21.700 N	Basic dynamic load rating, radial
C_{0r}	6.300 N	Basic static load rating, radial
C_{ur}	400 N	Fatigue load limit, radial
n_G	7.800 1/min	Limiting speed
≈m	0,514 kg	Weight

Mounting dimensions

$d_{a\ min}$	37 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	65 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

r_{min}	1,1 mm	Minimum chamfer dimension
D_1	58,949 mm	Shoulder diameter outer ring
D_2	62,25 mm	Caliber diameter outer ring
d_1	45,27 mm	Shoulder diameter inner ring
d_2	40,6 mm	Caliber diameter inner ring

Temperature range

T_{min}	-20 °C	Operating temperature min.
T_{max}	100 °C	Operating temperature max.

Calculation factors

e	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,41	Dynamic axial load factor
Y_2	3,72	Dynamic axial load factor
Y_0	2,52	Static axial load factor

Characteristics

Radial load

Axial load in one direction

Axial load in two directions

Lifetime lubrication, freedom from maintenance


Grease Lubrication


Sealed on both sides


Static angular error and misalignment


Dynamic angular error and misalignment