**FAG****3309-DA**

Angular contact ball bearing

Angular contact ball bearing 33.-DA, double row, split inner ring, steel sheet metal cage

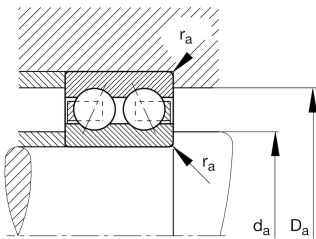
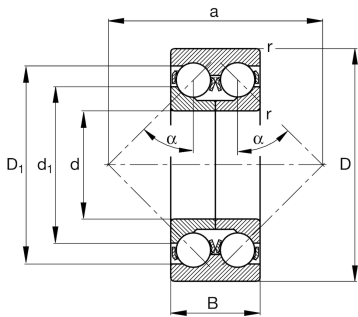
Technical information

Your current product variant

Design variant	DA	Bearing with split inner ring
Sealing	Without	Not sealed
Cage	JP	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	45 mm	Bore diameter
D	100 mm	Outside diameter
B	39,7 mm	Width
C_r	71.000 N	Basic dynamic load rating, radial
C_{0r}	64.000 N	Basic static load rating, radial
C_{ur}	3.500 N	Fatigue load limit, radial
n_G	7.500 1/min	Limiting speed
n_{gr}	5.800 1/min	Reference speed
m	1,49 kg	Weight





Mounting dimensions

$d_{a \min}$	54 mm	Minimum diameter shaft shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius

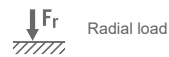
Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
D_1	86,7 mm	Shoulder diameter outer ring
d_1	68,3 mm	Shoulder diameter inner ring
a	92,5 mm	Distance between the apexes of the pressure cones
α	45 °	Contact angle

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	150 °C	Operating temperature max.

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed