

FAG

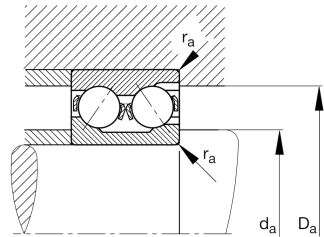
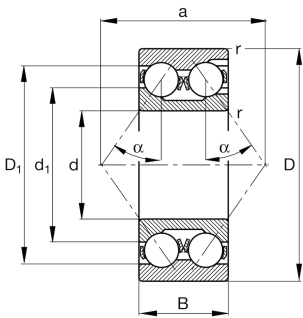
3314-C3 [🔗](#)

Angular contact ball bearing

Angular contact ball bearing 33, double row,
with filling slot, steel sheet metal cage

Schaeffler ID:
0167138690030

Technical information



Your current product variant

Design variant	FN	Bearing with filling slot
Sealing	Without	Not sealed
Cage	J	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Axial internal clearance	C3	Group 3 (C3), bigger than CN

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	63,5 mm	Width
C _r	167.000 N	Basic dynamic load rating, radial
C _{0r}	176.000 N	Basic static load rating, radial
C _{ur}	8.700 N	Fatigue load limit, radial
n _G	4.750 1/min	Limiting speed
n _{gr}	4.500 1/min	Reference speed
m	4,646 kg	Weight



Mounting dimensions

$d_{a\ min}$	82 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	138 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
D_1	131,92 mm	Shoulder diameter outer ring
d_1	98,5 mm	Shoulder diameter inner ring
a	109 mm	Distance between the apexes of the pressure cones
α	35 °	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