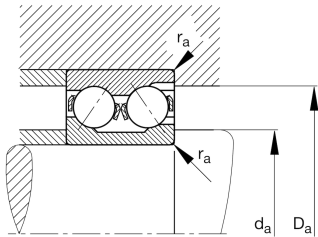
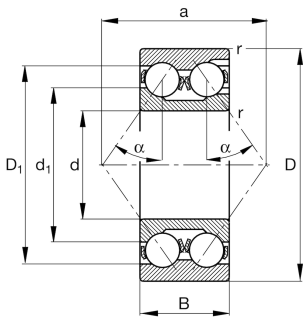
**FAG****3320-M**

Angular contact ball bearing

Angular contact ball bearing 33..-M, double row, with filling slot, solid brass cage

Schaeffler ID:
0167140590000

Technical information



Your current product variant

Design variant	FN	Bearing with filling slot
Sealing	Without	Not sealed
Cage	M	Solid brass cage, ball guided
Tolerance class	PN	Normal (PN)
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	100 mm	Bore diameter
D	215 mm	Outside diameter
B	82,6 mm	Width
C _r	285.000 N	Basic dynamic load rating, radial
C _{0r}	340.000 N	Basic static load rating, radial
C _{ur}	14.100 N	Fatigue load limit, radial
n _G	4.200 1/min	Limiting speed
n _{gr}	3.000 1/min	Reference speed
m	14,112 kg	Weight



Mounting dimensions

$d_{a\ min}$	114 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	201 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,5 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	3 mm	Minimum chamfer dimension
D_1	188,74 mm	Shoulder diameter outer ring
d_1	142,5 mm	Shoulder diameter inner ring
a	153,3 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