

FAG**3220**

Angular contact ball bearing

Schaeffler ID:
0167124980000Angular contact ball bearing 32, double
row, with filling slot, steel sheet metal cage

Technical information

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	60,3 mm	Width
C _r	186.000 N	Basic dynamic load rating, radial
C _{0r}	235.000 N	Basic static load rating, radial
C _{ur}	10.300 N	Fatigue load limit, radial
n _G	3.750 1/min	Limiting speed
n _{gr}	4.050 1/min	Reference speed
	5,96 kg	Weight

Dimensions

r _{min}	2,1 mm	Minimum chamfer dimension
D ₁	163,7 mm	Shoulder diameter outer ring
d ₁	131 mm	Shoulder diameter inner ring
a	127,4 mm	Distance between the apexes of the pressure cones
α	35 °	Contact angle

Mounting dimensions

d _{a min}	112 mm	Minimum diameter shaft shoulder
D _{a max}	168 mm	Maximum diameter of housing shoulder
r _{a max}	2,1 mm	Maximum fillet radius

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.