



# NTN Antriebstechnik G.m.b.H.



## 100 mm x 180 mm x 34 mm FAG 30220-A Air Conditioning bearing

Bearing No. 30220-A

Size	100x180x37 mm
Bore Diameter	100 mm
Outer Diameter	180 mm
Width	37 mm
d	100 mm
D	180 mm
T	37 mm
a	36 mm
B	34 mm
C	29 mm
C <sub>a min</sub>	5 mm
C <sub>b min</sub>	8 mm
D <sub>a max</sub>	168 mm
D <sub>a min</sub>	157 mm
D <sub>b min</sub>	168 mm
d <sub>1</sub>	135 mm
d <sub>a max</sub>	116 mm
d <sub>b min</sub>	112 mm
r <sub>1,2 min</sub>	3 mm
r <sub>3,4 min</sub>	2,5 mm
r <sub>a max</sub>	3 mm
r <sub>b max</sub>	2,5 mm
m	3,75 kg / Weight
C	250000 N

30220-A Bearing 2D drawings and 3D CAD models



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r	
$C_{0r}$	325000 N / Static load rating (radial)
e	0,42
Y	1,43
$Y_0$	0,79
$C_{ur}$	35500 N / Fatigue limit load, radial
$n_G$	4000 1/min / Limiting speed
$n_B$	2800 1/min / Reference speed