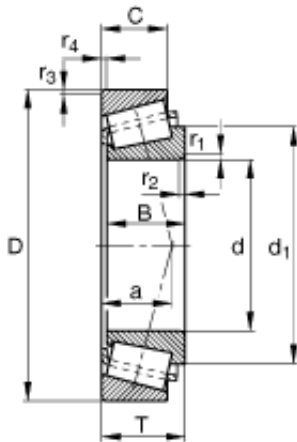




# NTN Bearing Manufacturing



100 mm x 180 mm x 34 mm FAG 30220-A tapered roller bearings

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
$C_{a \text{ min}}$	5 mm
$C_{b \text{ min}}$	8 mm
$D_{a \text{ max}}$	168 mm
$D_{a \text{ min}}$	157 mm
$D_{b \text{ min}}$	168 mm
$d_1$	135 mm
$d_{a \text{ max}}$	116 mm
$d_{b \text{ min}}$	112 mm
$r_{1,2 \text{ min}}$	3 mm
$r_{3,4 \text{ min}}$	2,5 mm
$r_{a \text{ max}}$	3 mm
$r_{b \text{ max}}$	2,5 mm
m	3,75 kg / Weight
C	250000 N

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



## NTN Bearing Manufacturing

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