



# NTN Mettmann(Deutschland) GmbH



## 90 mm x 190 mm x 43 mm FAG 31318 A/C Compressor clutches Bearing

Bearing No. 31318

31318 Bearing 2D drawings and 3D CAD models

Size	90x190x46.5 mm
Bore Diameter	90 mm
Outer Diameter	190 mm
Width	46,5 mm
d	90 mm
D	190 mm
T	46,5 mm
a	58 mm
B	43 mm
C	30 mm
C <sub>a min</sub>	6 mm
C <sub>b min</sub>	16,5 mm
D <sub>a max</sub>	176 mm
D <sub>a min</sub>	151 mm
D <sub>b min</sub>	179 mm
d <sub>1</sub>	135,9 mm
d <sub>a max</sub>	109 mm
d <sub>b min</sub>	104 mm
r <sub>1,2 min</sub>	4 mm
r <sub>3,4 min</sub>	3 mm
r <sub>a max</sub>	4 mm
r <sub>b max</sub>	3 mm
m	5,5 kg / Weight
C	275000 N



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r	
$C_{0r}$	325000 N / Static load rating (radial)
e	0,83
Y	0,73
$Y_0$	0,4
$C_{ur}$	35500 N / Fatigue limit load, radial
$n_G$	3700 1/min / Limiting speed
$n_B$	2850 1/min / Reference speed