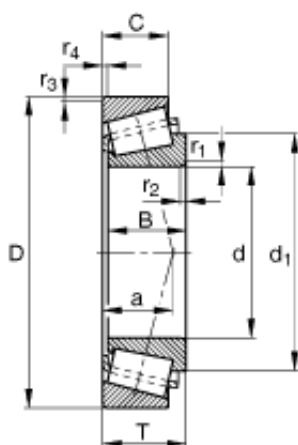




# BEARING INYIA PRIVATE LTD.



90 mm x 190 mm x 43 mm FAG 31318 A/C  
compressor Angular Contact Ball Bearings

Bearing No. 31318

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
$C_{a \text{ min}}$	6 mm
$C_{b \text{ min}}$	16,5 mm
$D_{a \text{ max}}$	176 mm
$D_{a \text{ min}}$	151 mm
$D_{b \text{ min}}$	179 mm
$d_1$	135,9 mm
$d_{a \text{ max}}$	109 mm
$d_{b \text{ min}}$	104 mm
$r_{1,2 \text{ min}}$	4 mm
$r_{3,4 \text{ min}}$	3 mm
$r_{a \text{ max}}$	4 mm
$r_{b \text{ max}}$	3 mm
m	5,5 kg / Weight
C	275000 N

31318 Bearing 2D drawings and 3D CAD models



## BEARING INYIA PRIVATE LTD.

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