



MACHINE DE MEXICO, S.A. DE C.V.



80 mm x 170 mm x 39 mm FAG 31316 Tapered Roller Bearing Assemblies

Bearing No. 31316

Size	80x170x42.5 mm
Bore Diameter	80 mm
Outer Diameter	170 mm
Width	42,5 mm
d	80 mm
D	170 mm
T	42,5 mm
a	53 mm
B	39 mm
C	27 mm
$C_{a \text{ min}}$	6 mm
$C_{b \text{ min}}$	15,5 mm
$D_{a \text{ max}}$	158 mm
$D_{a \text{ min}}$	134 mm
$D_{b \text{ min}}$	159 mm
d_1	122,4 mm
$d_{a \text{ max}}$	97 mm
$d_{b \text{ min}}$	92 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	4,16 kg / Weight
C	227000 N

31316 Bearing 2D drawings and 3D CAD models



MACHINE DE MEXICO,S.A.DE C.V.

r	
C_{0r}	270000 N / Static load rating (radial)
e	0,83
Y	0,73
Y_0	0,4
C_{ur}	30500 N / Fatigue limit load, radial
n_G	4150 1/min / Limiting speed
n_B	3100 1/min / Reference speed