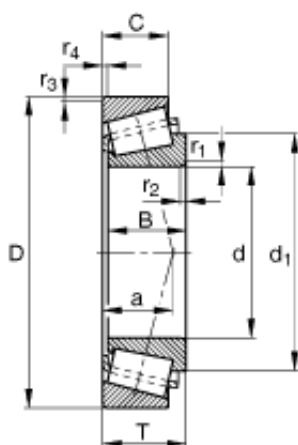




NACHI BEARINGS TRAINING INDUSTRY



45 mm x 100 mm x 25 mm FAG 31309-A tapered roller bearings

Bearing No. 31309-A

Size	45x100x27.25 mm
Bore Diameter	45 mm
Outer Diameter	100 mm
Width	27,25 mm
d	45 mm
D	100 mm
T	27,25 mm
a	32 mm
B	25 mm
C	18 mm
$C_{a \text{ min}}$	4 mm
$C_{b \text{ min}}$	9 mm
$D_{a \text{ max}}$	91 mm
$D_{a \text{ min}}$	79 mm
$D_{b \text{ min}}$	95 mm
d_1	75,8 mm
$d_{a \text{ max}}$	56 mm
$d_{b \text{ min}}$	54 mm
$r_{1,2 \text{ min}}$	2 mm
$r_{3,4 \text{ min}}$	1,5 mm
$r_{a \text{ max}}$	2 mm
$r_{b \text{ max}}$	1,5 mm
m	0,998 kg / Weight
C	96000 N

31309-A Bearing 2D drawings and 3D CAD models



NACHI BEARINGS TRAINING INDUSTRY

r	
C_{0r}	108000 N / Static load rating (radial)
e	0,83
Y	0,73
Y_0	0,4
C_{ur}	12700 N / Fatigue limit load, radial
n_G	7100 1/min / Limiting speed
n_B	4650 1/min / Reference speed