

# 2309-K-TVH-C3 FAG 45x100x36mm nB 9400 1/min / Reference speed Self aligning ball bearings

Bearing number	2309-K-TVH-C3
Size (mm)	45x100x36
Brand	FAG
Bore Diameter (mm)	45
Outer Diameter (mm)	100
Width (mm)	36
d	45 mm
D	100 mm
B	36 mm
D <sub>1</sub>	84.2 mm
D <sub>a max</sub>	91 mm
d <sub>1</sub>	60.1 mm
d <sub>a min</sub>	54 mm
r <sub>a max</sub>	1.5 mm
r <sub>min</sub>	1.5 mm
m	1.19 kg / Weight
C <sub>r</sub>	55000 N / Dynamic load rating (radial)
e	0.43
Y <sub>1</sub>	1.48
Y <sub>2</sub>	2.29
C <sub>0r</sub>	16500 N / Static load rating (radial)

$Y_{\theta}$	1.55
$n_G$	7000 1/min / Limiting speed
$n_B$	9400 1/min / Reference speed
$C_{ur}$	1030 N / Fatigue limit load. radial