

# 1309-TVH FAG 45x100x25mm nB 9300 1/min / Reference speed Self aligning ball bearings

Bearing number	1309-TVH
Size (mm)	45x100x25
Brand	FAG
Bore Diameter (mm)	45
Outer Diameter (mm)	100
Width (mm)	25
d	45 mm
D	100 mm
B	25 mm
$D_1$	84.1 mm
$D_{a \max}$	91 mm
$d_1$	64.1 mm
$d_{a \min}$	54 mm
$r_{a \max}$	1.5 mm
$r_{\min}$	1.5 mm
m	0.953 kg / Weight
$C_r$	38500 N / Dynamic load rating (radial)
e	0.25
$Y_1$	2.5
$Y_2$	3.87
$C_{0r}$	12600 N / Static load rating (radial)
$Y_0$	2.62

$n_G$	7500 1/min / Limiting speed
$n_B$	9300 1/min / Reference speed
$C_{ur}$	780 N / Fatigue limit load. radial