

# 21309-E1-K FAG 45x100x25mm da min 54 mm Spherical roller bearings

Bearing number	21309-E1-K
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 <sub>1</sub>	89.8 mm
D <sub>a max</sub>	91 mm
d <sub>2</sub>	67.6 mm
d <sub>a min</sub>	54 mm
d <sub>s</sub>	3.2 mm
n <sub>s</sub>	4.8 mm
r <sub>a max</sub>	1.5 mm
r <sub>min</sub>	1.5 mm
m	0.999 kg / Weight
C <sub>r</sub>	129000 N / Dynamic load rating (radial)
e	0.21
Y <sub>1</sub>	3.17
Y <sub>2</sub>	4.72

$C_{0r}$	130000 N / Static load rating (radial)
$Y_0$	3.1
$n_G$	9000 1/min / Limiting speed
$n_B$	5600 1/min
$C_{ur}$	17300 N / Fatigue limit load. radial