

# 22209-E1-K FAG 45x85x23mm D1 75.6 mm Spherical roller bearings

Bearing number	22209-E1-K
Size (mm)	45x85x23
Brand	FAG
Bore Diameter (mm)	45
Outer Diameter (mm)	85
Width (mm)	23
d	45 mm
D	85 mm
B	23 mm
D <sub>1</sub>	75.6 mm
D <sub>a max</sub>	78 mm
d <sub>2</sub>	55 mm
d <sub>a min</sub>	52 mm
d <sub>s</sub>	3.2 mm
n <sub>s</sub>	4.8 mm
r <sub>a max</sub>	1 mm
r <sub>min</sub>	1.1 mm
m	0.577 kg / Weight
C <sub>r</sub>	104000 N / Dynamic load rating (radial)
e	0.25
Y <sub>1</sub>	2.74
Y <sub>2</sub>	4.08

$C_{0r}$	99000 N / Static load rating (radial)
$Y_0$	2.68
$n_G$	10100 1/min / Limiting speed
$n_B$	5800 1/min
$C_{ur}$	12700 N / Fatigue limit load. radial