

# 22209-E1 FAG 45x85x23mm Cur 12700 N / Fatigue limit load. radial Spherical roller bearings

Bearing number	22209-E1
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
$D_1$	75.6 mm
$D_{a \max}$	78 mm
$d_2$	55 mm
$d_{a \min}$	52 mm
$d_s$	3.2 mm
$n_s$	4.8 mm
$r_{a \max}$	1 mm
$r_{\min}$	1.1 mm
m	0.589 kg / Weight
$C_r$	104000 N / Dynamic load rating (radial)
e	0.25
$Y_1$	2.74

$Y_2$	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