

# 2209-TVH FAG C0r 8900 N / Static load rating (radial) 45x85x23mm Self aligning ball bearings

Bearing number	2209-TVH
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>	75.9 mm
D <sub>a max</sub>	78 mm
d <sub>1</sub>	59 mm
d <sub>a min</sub>	52 mm
r <sub>a max</sub>	1 mm
r <sub>min</sub>	1.1 mm
m	0.517 kg / Weight
C <sub>r</sub>	28500 N / Dynamic load rating (radial)
e	0.26
Y <sub>1</sub>	2.43
Y <sub>2</sub>	3.76
C <sub>0r</sub>	8900 N / Static load rating (radial)

$Y_{\theta}$	2.54
$n_G$	8500 1/min / Limiting speed
$n_B$	8700 1/min / Reference speed
$C_{ur}$	550 N / Fatigue limit load. radial