

# 22205-E1 FAG ds 3.2 mm 25x52x18mm Spherical roller bearings

Bearing number	22205-E1
Size (mm)	25x52x18
Brand	FAG
Bore Diameter (mm)	25
Outer Diameter (mm)	52
Width (mm)	18
d	25 mm
D	52 mm
B	18 mm
$D_1$	44.4 mm
$D_{a \max}$	46.4 mm
$d_2$	31.5 mm
$d_{a \min}$	30.6 mm
$d_s$	3.2 mm
$n_s$	4.8 mm
$r_{a \max}$	1 mm
$r_{\min}$	1 mm
m	0.191 kg / Weight
$C_r$	48500 N / Dynamic load rating (radial)
e	0.33
$Y_1$	2.07
$Y_2$	3.09

$C_{0r}$	42500 N / Static load rating (radial)
$Y_0$	2.03
$n_G$	14400 1/min / Limiting speed
$n_B$	9600 1/min
$C_{ur}$	4800 N / Fatigue limit load. radial