



# NACHI BEARINGS TRAINING INDUSTRY



100 mm x 180 mm x 46 mm FAG 22220-E1  
spherical roller bearings

Bearing No. 22220-E1

22220-E1 Bearing 2D drawings and 3D CAD models

Size	100x180x46 mm
Bore Diameter	100 mm
Outer Diameter	180 mm
Width	46 mm
d	100 mm
D	180 mm
B	46 mm
D <sub>1</sub>	161,4 mm
D <sub>a max</sub>	168 mm
d <sub>2</sub>	119 mm
d <sub>a min</sub>	112 mm
d <sub>s</sub>	4,8 mm
n <sub>s</sub>	9,5 mm
r <sub>a max</sub>	2,1 mm
r <sub>min</sub>	2,1 mm
m	4,96 kg / Weight
C <sub>r</sub>	430000 N / Dynamic load rating (radial)
e	0,24
Y <sub>1</sub>	2,84
Y <sub>2</sub>	4,23
C <sub>0r</sub>	475000 N / Static load rating (radial)
Y <sub>0</sub>	2,78



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$n_G$	4550 1/min / Limiting speed
$n_B$	3300 1/min
$C_{ur}$	52000 N / Fatigue limit load, radial