



**70 mm x 150 mm x 51 mm SKF 22314 EK**  
Spherical roller bearing

Bearing No. 22314 EK

22314 EK Bearing 2D drawings and 3D CAD models

Size	150x70x51 mm
Bore Diameter	150 mm
Outer Diameter	70 mm
Width	51 mm
d	70 mm
D	150 mm
B	51 mm
d <sub>2</sub>	90.3 mm
D <sub>1</sub>	128 mm
b	8.3 mm
K	4.5 mm
r <sub>1,2</sub> - min.	2.1 mm
d <sub>a</sub> - min.	78 mm
d <sub>a</sub> - max.	90 mm
D <sub>a</sub> - max.	138 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	413 kN
Basic static load rating - C <sub>0</sub>	430 kN
Fatigue load limit - P <sub>u</sub>	45 kN
Reference speed	3400 r/min
Limiting speed	4500 r/min
Calculation factor - e	0.33
Calculation factor - Y <sub>1</sub>	2
Calculation factor - Y <sub>2</sub>	3



## NTN BEARING MANUFACTURING DE MEXICO,S...

Calculation factor - $Y_0$	2
Category	Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	4.293
EAN	7316570036817
Product Group	B04311
bore diameter:	70 mm
maximum rpm:	4500 RPM
outside diameter:	150 mm
operating temperature range:	Maximum of +390 ° F
overall width:	51 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
precision rating:	Not Rated
internal clearance:	C0
finish/coating:	Uncoated
closure type:	Open
outer ring width:	51 mm
lubrication hole type:	Lubrication Groove & Hole
fillet radius:	2 mm
dynamic load capacity:	400 kN
series:	223
static load capacity:	430 kN
$d_2$	90.3 mm
$D_1$	128 mm
$r_{1,2}$ min.	2.1 mm
$D_a$ max.	138 mm



## NTN BEARING MANUFACTURING DE MEXICO,S...

$r_a$ max.	2 mm
Basic dynamic load rating C	413 kN
Basic static load rating $C_0$	430 kN
Fatigue load limit $P_u$	45 kN
Calculation factor e	0.33
Calculation factor $Y_1$	2
Calculation factor $Y_2$	3
Calculation factor $Y_0$	2
Mass bearing	4.45 kg
Recommended lock nut tightening angle	130 °