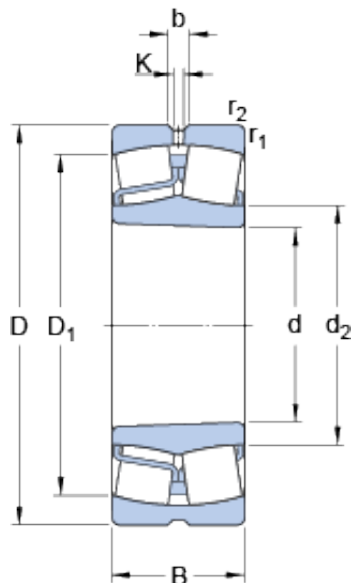




## DEARING OF AMERICA CORP.

70 mm x 150 mm x 51 mm SKF 22314 EK  
spherical roller bearings

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



## DEARING OF AMERICA CORP.

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



## DEARING OF AMERICA CORP.

$r_a$ 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 °