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22209 EK Bearing 2D drawings and 3D CAD models

45 mm x 85 mm x 23 mm SKF 22209 EK Spherical Roller Bearings

Bearing No. 22209 EK

Category	Spherical Roller Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.585
EAN	7316572048580
Product Group	B04311
Internal Clearance	C0-Medium
Mounting Method	Adapter Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Tapered
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	AH309 (Specify bore)
Withdrawal Nut	KM310
Inch - Metric	Metric
Long Description	45MM Tapered Bore; 85MM Outside Diameter; 23MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Num
Other Features	Order adapter or



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	withdrawal sleeve or nut separately. Others may be available
Category	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	84823080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.skf.com
Weight / LBS	1.288
Adapter Part Number	SNW09 H309 HA309 HE309 (Specify Bore) Inch H309 (Specify bore) Millimeter
d	1.772 Inch 45 Millimeter
B	0.906 Inch 23 Millimeter
D	3.346 Inch 85 Millimeter
bore diameter:	45 mm
maximum rpm:	10000 RPM
outside diameter:	85 mm
operating temperature range:	Maximum of +390 ° F
overall width:	23 mm
cage material:	Steel
bore type:	Tapered 1:12
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	23 mm



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dynamic load capacity:	102 kN
fillet radius:	1 mm
static load capacity:	98 kN
series:	222
d	45 mm
D	85 mm
B	23 mm
d ₂	54.4 mm
D ₁	74.4 mm
b	5.5 mm
K	3 mm
r _{1,2} min.	1.1 mm
D _a max.	78 mm
r _a max.	1 mm
Basic dynamic load rating C	104 kN
Basic static load rating C ₀	98 kN
Fatigue load limit P _u	10.8 kN
Reference speed	7500 r/min
Limiting speed	10000 r/min
Calculation factor e	0.26
Calculation factor Y ₁	2.6
Calculation factor Y ₂	3.9
Calculation factor Y ₀	2.5
Mass bearing	0.57 kg
Recommended lock nut tightening angle	130 °