



Bearing No. 22310 EK

D	110 mm
d	50 mm
B	40 mm
b	6 mm
K	3 mm
Bore	1.969 Inch   50 Millimeter
Noun	Bearing
Width	1.575 Inch   40 Millimeter
UNSPSC	31171510
series:	223
Category	Spherical Roller Bearing
Size (mm)	110x50x40
Inventory	0.0
Enclosure	Open
cage type:	Inner Ring Guided
bore type:	Tapered 1:12
Width (mm)	40
Bore Profile	Tapered
maximum rpm:	6300 RPM
Weight / LBS	4.05
Mass bearing	1.85 kg
Product Group	B04311
Inch - Metric	Metric
closure type:	Open
D <sub>1</sub>	91.9 mm
d <sub>2</sub>	63.9 mm
Cage Material	Steel
Relubricatable	Yes

Withdrawal Nut	KM11
Bearing number	22310 EK
Keyword String	Spherical
bore diameter:	50 mm
cage material:	Steel
fillet radius:	2 mm
overall width:	40 mm
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Limiting speed	6300 r/min
Rolling Element	Spherical Roller Bearing
finish/coating:	Uncoated
Mounting Method	Adapter Mount
Reference speed	4800 r/min
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
outer ring type:	Not Split
Long Description	50MM Tapered Bore; 110MM Outside Diameter; 40MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Nu
Outside Diameter	4.331 Inch   110 Millimeter
outer ring width:	40 mm
precision rating:	Not Rated
outside diameter:	110 mm
bearing material:	Steel
Manufacturer Name	SKF

Weight / Kilogram	1.839
Withdrawal Sleeve	AHX2310 (Specify bore)
Bore Diameter (mm)	110
$r_a$ max.	2 mm
$D_a$ max.	99 mm
Internal Clearance	C0-Medium
internal clearance:	C0
Adapter Part Number	SNW110 H2310 HA2310 HE2310 (Specify bore) Inch   H2310 (Specify bore) Millimeter
Outer Diameter (mm)	50
$r_{1,2}$ min.	2 mm
$d_a$ - min.	57.2 mm
$d_a$ - max.	63 mm
Calculation factor e	0.37
Minimum Buy Quantity	N/A
$D_a$ - max.	99 mm
$r_a$ - max.	2 mm
$D_1$ ?	91.9 mm
$d_2$ ?	63.9 mm
static load capacity:	224 kN
Harmonized Tariff Code	84823080
$r_{1,2}$ - min.	2 mm
dynamic load capacity:	220 kN
Calculation factor - e	0.37
lubrication hole type:	Lubrication Groove & Hole
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	228 kN
operating temperature range:	Maximum of +390 °F

Basic dynamic load rating - C	228 kN
Calculation factor $Y_1$	1.8
Calculation factor $Y_2$	2.7
Calculation factor $Y_0$	1.8
Fatigue load limit $P_u$	24 kN
Calculation factor - $Y_1$	1.8
Fatigue load limit - $P_u$	23.2 kN
Calculation factor - $Y_0$	1.8
Calculation factor - $Y_2$	2.7
Basic static load rating $C_0$	224 kN
Basic static load rating - $C_0$	216 kN
Recommended lock nut tightening angle ?	130 °