



22216 EK Bearing 2D drawings and 3D CAD models

**SKF 22216 EK spherical roller bearings**

Bearing No. 22216 EK

Size	140x80x33 mm
Bore Diameter	140 mm
Outer Diameter	80 mm
Width	33 mm
d	80 mm
D	140 mm
B	33 mm
d <sub>2</sub>	94.7 mm
D <sub>1</sub>	124 mm
b	6 mm
K	3 mm
r <sub>1,2</sub> - min.	2 mm
d <sub>a</sub> - min.	87.2 mm
d <sub>a</sub> - max.	94 mm
D <sub>a</sub> - max.	129 mm
r <sub>a</sub> - max.	2 mm
Basic dynamic load rating - C	243 kN
Basic static load rating - C <sub>0</sub>	270 kN
Fatigue load limit - P <sub>u</sub>	29 kN
Reference speed	4300 r/min
Limiting speed	6000 r/min
Calculation factor - e	0.22
Calculation factor - Y <sub>1</sub>	3
Calculation factor - Y <sub>2</sub>	4.6
Calculation factor - Y <sub>0</sub>	2.8



## TLEE Bearing Machine Development Co.,...

Category	Spherical Roller Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.105
EAN	7316576652561
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	AH316 (Specify bore)
Withdrawal Nut	KM18
Inch - Metric	Metric
Long Description	80MM Tapered Bore; 140MM Outside Diameter; 33MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Nu
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Category	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	84823080
Noun	Bearing



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Keyword String	Spherical
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Weight / LBS	4.636
Adapter Part Number	SNW16 H316 HA316 HE316 (Specify Bore) Inch   H316 (Specify bore) Millimeter
Bore	3.15 Inch   80 Millimeter
Width	1.299 Inch   33 Millimeter
Outside Diameter	5.512 Inch   140 Millimeter
bore diameter:	80 mm
maximum rpm:	6000 RPM
outside diameter:	140 mm
operating temperature range:	Maximum of +390 ° F
overall width:	33 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:	33 mm
lubrication hole type:	Lubrication Groove & Hole
fillet radius:	2 mm
dynamic load capacity:	236 kN
series:	222
static load capacity:	270 kN
d <sub>2</sub>	94.7 mm
D <sub>1</sub>	124 mm
r <sub>1,2</sub> min.	2 mm



## TLEE Bearing Machine Development Co.,...

$D_a$ max.	129 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	243 kN
Basic static load rating $C_0$	270 kN
Fatigue load limit $P_u$	29 kN
Calculation factor e	0.22
Calculation factor $Y_1$	3
Calculation factor $Y_2$	4.6
Calculation factor $Y_0$	2.8
Mass bearing	2.05 kg
Recommended lock nut tightening angle	130 °