



22213 EK Bearing 2D drawings and 3D CAD models

65 mm x 120 mm x 31 mm SKF 22213 EK spherical roller bearings

Bearing No. 22213 EK

Size	120x65x31 mm
Bore Diameter	120 mm
Outer Diameter	65 mm
Width	31 mm
d	65 mm
D	120 mm
B	31 mm
d ₂	80.1 mm
D ₁	106 mm
b	6 mm
K	3 mm
r _{1,2} - min.	1.5 mm
d _a - min.	72.2 mm
d _a - max.	80 mm
D _a - max.	111 mm
r _a - max.	1.5 mm
Basic dynamic load rating - C	198 kN
Basic static load rating - C ₀	208 kN
Fatigue load limit - P _u	23.2 kN
Reference speed	5000 r/min
Limiting speed	7000 r/min
Calculation factor - e	0.24
Calculation factor - Y ₁	2.8
Calculation factor - Y ₂	4.2



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Calculation factor - Y_0	2.8
Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.54
EAN	7316571560922
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	AH313 (Specify bore)
Withdrawal Nut	KM15
Inch - Metric	Metric
Long Description	65MM Tapered Bore; 120MM Outside Diameter; 31MM 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



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Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.skf.com
Weight / LBS	3.391
Width	1.22 Inch 31 Millimeter
Outside Diameter	4.724 Inch 120 Millimeter
Adapter Part Number	SNW13 H313 HA313 HE313 (Specify Bore) Inch H313 (Specify bore) Millimeter
Bore	2.559 Inch 65 Millimeter
bore diameter:	65 mm
maximum rpm:	7000 RPM
outside diameter:	120 mm
operating temperature range:	Maximum of +390 ° F
overall width:	31 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:	31 mm
dynamic load capacity:	193 kN
fillet radius:	1.5 mm
static load capacity:	216 kN
series:	222
d ₂	80.1 mm

D_1	106 mm
$r_{1,2}$ min.	1.5 mm
D_a max.	111 mm
r_a max.	1.5 mm
Basic dynamic load rating C	198 kN
Basic static load rating C_0	216 kN
Fatigue load limit P_u	24 kN
Calculation factor e	0.24
Calculation factor Y_1	2.8
Calculation factor Y_2	4.2
Calculation factor Y_0	2.8
Mass bearing	1.5 kg
Recommended lock nut tightening angle	115 °