



BROWNING BEARING COMPANY



55 mm x 120 mm x 43 mm skf 22311 ek bearing

Bearing No. 22311 ek

22311 ek Bearing 2D drawings and 3D CAD models

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	2.332
EAN	7316576653681
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	AHX2311 (Specify bore)
Withdrawal Nut	KM12
Inch - Metric	Metric
Long Description	55MM Tapered Bore; 120MM Outside Diameter; 43MM 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



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	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	5.137
B	1.693 Inch 43 Millimeter
Adapter Part Number	SNW111 H2311 HA2311 HE2311 (Specify bore) Inch H2311 (Specify bore) Millimeter
d	2.165 Inch 55 Millimeter
D	4.724 Inch 120 Millimeter
bore diameter:	55 mm
maximum rpm:	5600 RPM
outside diameter:	120 mm
operating temperature range:	Maximum of +390 ° F
overall width:	43 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:	43 mm
dynamic load capacity:	270 kN



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fillet radius:	2 mm
static load capacity:	280 kN
series:	223
d	55 mm
D	120 mm
B	43 mm
d ₂	70.1 mm
D ₁	102 mm
b	5.5 mm
K	3 mm
r _{1,2} min.	2 mm
D _a max.	109 mm
r _a max.	2 mm
Basic dynamic load rating C	280 kN
Basic static load rating C ₀	280 kN
Fatigue load limit P _u	30 kN
Reference speed	4300 r/min
Limiting speed	5600 r/min
Calculation factor e	0.35
Calculation factor Y ₁	1.9
Calculation factor Y ₂	2.9
Calculation factor Y ₀	1.8
Mass bearing	2.4 kg
Recommended lock nut tightening angle	115 °