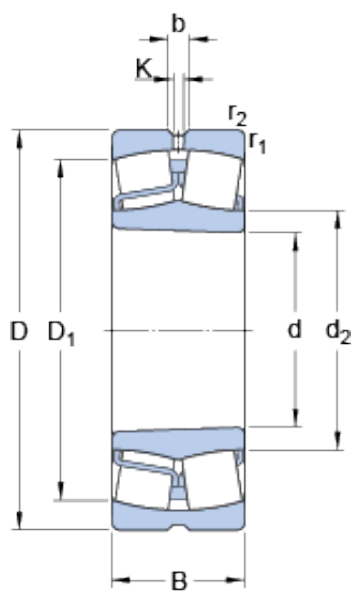




Bearing No. 22220 EK

D	180 mm
d	100 mm
B	46 mm
b	8.3 mm
K	4.5 mm
Noun	Bearing
Bore	3.937 Inch 100 Millimeter
Width	1.811 Inch 46 Millimeter
UNSPSC	31171510
series:	222
Category	Spherical Roller Bearing
Size (mm)	180x100x46
Inventory	0.0
Enclosure	Open
cage type:	Inner Ring Guided
bore type:	Tapered 1:12
Width (mm)	46
Bore Profile	Tapered
maximum rpm:	4500 RPM
Weight / LBS	10.633
Mass bearing	4.8 kg
Product Group	B04311
Inch - Metric	Metric
closure type:	Open
D ₁	159 mm
d ₂	118 mm
Cage Material	Steel
Relubricatable	Yes

Withdrawal Nut	KM22
Bearing number	22220 EK
Keyword String	Spherical
bore diameter:	100 mm
cage material:	Steel
fillet radius:	2 mm
overall width:	46 mm
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Limiting speed	4500 r/min
Rolling Element	Spherical Roller Bearing
finish/coating:	Uncoated
Mounting Method	Adapter Mount
Reference speed	3400 r/min
Manufacturer URL	http://www.skf.com
outer ring type:	Not Split
Long Description	100MM Tapered Bore; 180MM Outside Diameter; 46MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part N
Outside Diameter	7.087 Inch 180 Millimeter
outer ring width:	46 mm
precision rating:	Not Rated
outside diameter:	180 mm
bearing material:	Steel
Manufacturer Name	SKF

Weight / Kilogram	4.827
Withdrawal Sleeve	AHX320 (Specify bore)
Bore Diameter (mm)	180
r_a max.	2 mm
D_a max.	168 mm
Internal Clearance	C0-Medium
internal clearance:	C0
Adapter Part Number	SNW20 H320 HA20 HE320 (Specify Bore) Inch H320 (Specify bore) Millimeter
Outer Diameter (mm)	100
$r_{1,2}$ min.	2.1 mm
d_a - min.	108 mm
d_a - max.	118 mm
Calculation factor e	0.24
Minimum Buy Quantity	N/A
D_a - max.	168 mm
r_a - max.	2 mm
D_1 ?	159 mm
d_2 ?	118 mm
static load capacity:	490 kN
Harmonized Tariff Code	84823080
$r_{1,2}$ - min.	2.1 mm
dynamic load capacity:	425 kN
Calculation factor - e	0.24
lubrication hole type:	Lubrication Groove & Hole
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	433 kN
operating temperature range:	Maximum of +390 °F

Basic dynamic load rating - C	433 kN
Calculation factor Y_1	2.8
Calculation factor Y_2	4.2
Calculation factor Y_0	2.8
Fatigue load limit P_u	49 kN
Calculation factor - Y_1	2.8
Fatigue load limit - P_u	49 kN
Calculation factor - Y_0	2.8
Calculation factor - Y_2	4.2
Basic static load rating C_0	490 kN
Basic static load rating - C_0	490 kN
Recommended lock nut tightening angle ?	150 °