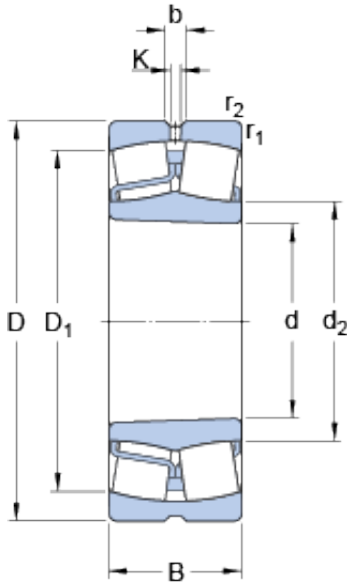




BROWNING BEARING COMPANY



22220 ek Bearing 2D drawings and 3D CAD models

100 mm x 180 mm x 46 mm skf 22220 ek bearing

Bearing No. 22220 ek

Size	180x100x46 mm
Bore Diameter	180 mm
Outer Diameter	100 mm
Width	46 mm
d	100 mm
D	180 mm
B	46 mm
d ₂	118 mm
D ₁	159 mm
b	8.3 mm
K	4.5 mm
r _{1,2} - min.	2.1 mm
d _a - min.	108 mm
d _a - max.	118 mm
D _a - max.	168 mm
r _a - max.	2 mm
Basic dynamic load rating - C	433 kN
Basic static load rating - C ₀	490 kN
Fatigue load limit - P _u	49 kN
Reference speed	3400 r/min
Limiting speed	4500 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	4.827
EAN	7316570171723
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	AHX320 (Specify bore)
Withdrawal Nut	KM22
Inch - Metric	Metric
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
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	10.633
Bore	3.937 Inch 100 Millimeter
Outside Diameter	7.087 Inch 180 Millimeter
Width	1.811 Inch 46 Millimeter
Adapter Part Number	SNW20 H320 HA20 HE320 (Specify Bore) Inch H320 (Specify bore) Millimeter
bore diameter:	100 mm
maximum rpm:	4500 RPM
outside diameter:	180 mm
operating temperature range:	Maximum of +390 ° F
overall width:	46 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:	46 mm
dynamic load capacity:	425 kN
fillet radius:	2 mm
static load capacity:	490 kN
series:	222
d ₂	118 mm



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D_1	159 mm
$r_{1,2}$ min.	2.1 mm
D_a max.	168 mm
r_a max.	2 mm
Basic dynamic load rating C	433 kN
Basic static load rating C_0	490 kN
Fatigue load limit P_u	49 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	4.8 kg
Recommended lock nut tightening angle	150 °