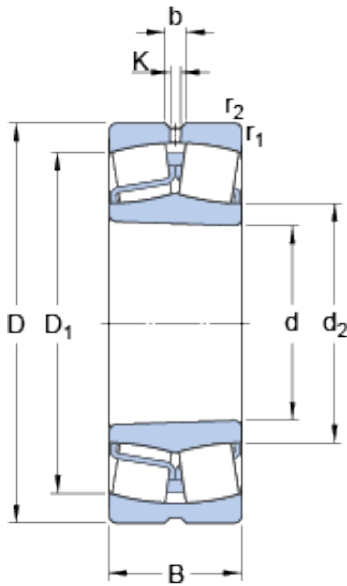




NTN Bearing Manufacturing



22219 EK Bearing 2D drawings and 3D CAD models

95 mm x 170 mm x 43 mm SKF 22219 EK
spherical roller bearings

Bearing No. 22219 EK

Size	170x95x43 mm
Bore Diameter	170 mm
Outer Diameter	95 mm
Width	43 mm
d	95 mm
D	170 mm
B	43 mm
d ₂	112 mm
D ₁	150 mm
b	8.3 mm
K	4.5 mm
r _{1,2} - min.	2.1 mm
d _a - min.	103 mm
d _a - max.	112 mm
D _a - max.	158 mm
r _a - max.	2 mm
Basic dynamic load rating - C	393 kN
Basic static load rating - C ₀	450 kN
Fatigue load limit - P _u	45.5 kN
Reference speed	3600 r/min
Limiting speed	4800 r/min
Calculation factor - e	0.24
Calculation factor - Y ₁	2.8
Calculation factor - Y ₂	4.2



NTN Bearing Manufacturing

Calculation factor - Y_0	2.8
Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	4.151
EAN	7316570789874
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	AHX319 (Specify bore)
Withdrawal Nut	KM21
Inch - Metric	Metric
Long Description	95MM Tapered Bore; 170MM 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 separately. Others may be available
Category	Spherical Roller Bearing
UNSPSC	31171510
Harmonized Tariff Code	84823080



NTN Bearing Manufacturing

Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.skf.com
Weight / LBS	9.144
Width	1.693 Inch 43 Millimeter
Outside Diameter	6.693 Inch 170 Millimeter
Adapter Part Number	SNW19 H319 HA319 HE319 (Specify bore) Inch H319 (Specify bore) Millimeter
Bore	3.74 Inch 95 Millimeter
bore diameter:	95 mm
maximum rpm:	4800 RPM
outside diameter:	170 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:	380 kN
fillet radius:	2 mm
static load capacity:	450 kN
series:	222
d ₂	112 mm



NTN Bearing Manufacturing

D_1	150 mm
$r_{1,2}$ min.	2.1 mm
D_a max.	158 mm
r_a max.	2 mm
Basic dynamic load rating C	393 kN
Basic static load rating C_0	450 kN
Fatigue load limit P_u	45.5 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	4.05 kg
Recommended lock nut tightening angle	150 °