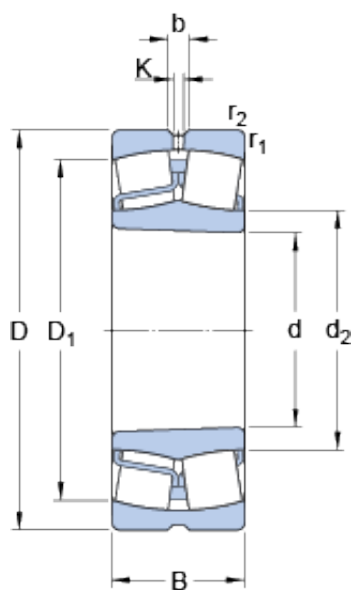




Bearing No. 22316 EK

D	170 mm
d	80 mm
B	58 mm
b	8.3 mm
K	4.5 mm
Noun	Bearing
Bore	3.15 Inch 80 Millimeter
Width	2.283 Inch 58 Millimeter
UNSPSC	31171510
series:	223
Category	Spherical Roller Bearing
Size (mm)	170x80x58
Inventory	0.0
Enclosure	Open
cage type:	Inner Ring Guided
bore type:	Tapered 1:12
Width (mm)	58
Bore Profile	Tapered
maximum rpm:	4000 RPM
Weight / LBS	13.77
Mass bearing	6.45 kg
Product Group	B04311
Inch - Metric	Metric
closure type:	Open
D ₁	143 mm
d ₂	98.3 mm
Cage Material	Steel
Relubricatable	Yes
Withdrawal Nut	KM18

Bearing number	22316 EK
Keyword String	Spherical
bore diameter:	80 mm
cage material:	Steel
fillet radius:	2 mm
overall width:	58 mm
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
Limiting speed	4000 r/min
Rolling Element	Spherical Roller Bearing
finish/coating:	Uncoated
Mounting Method	Adapter Mount
Reference speed	3000 r/min
Manufacturer URL	http://www.skf.com
outer ring type:	Not Split
Long Description	80MM Tapered Bore; 170MM Outside Diameter; 58MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Nu
Outside Diameter	6.693 Inch 170 Millimeter
outer ring width:	58 mm
precision rating:	Not Rated
outside diameter:	170 mm
bearing material:	Steel
Manufacturer Name	SKF
Weight / Kilogram	6.252

Withdrawal Sleeve	AHX2316 (Specify bore)
Bore Diameter (mm)	170
r_a max.	2 mm
D_a max.	158 mm
Internal Clearance	C0-Medium
internal clearance:	C0
Adapter Part Number	SNW116 H2316 HA2316 HE2316 (Specify Bore) Inch H2316 (Specify bore) Millimeter
Outer Diameter (mm)	80
$r_{1,2}$ min.	2.1 mm
d_a - min.	88 mm
d_a - max.	98 mm
Calculation factor e	0.35
Minimum Buy Quantity	N/A
D_a - max.	158 mm
r_a - max.	2 mm
D_1 ?	143 mm
d_2 ?	98.3 mm
static load capacity:	540 kN
Harmonized Tariff Code	84823080
$r_{1,2}$ - min.	2.1 mm
dynamic load capacity:	490 kN
Calculation factor - e	0.35
lubrication hole type:	Lubrication Groove & Hole
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	516 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load	516 kN

rating - C	
Calculation factor Y_1	1.9
Calculation factor Y_2	2.9
Calculation factor Y_0	1.8
Fatigue load limit P_u	54 kN
Calculation factor - Y_1	1.9
Fatigue load limit - P_u	54 kN
Calculation factor - Y_0	1.8
Calculation factor - Y_2	2.9
Basic static load rating C_0	530 kN
Basic static load rating - C_0	530 kN
Recommended lock nut tightening angle ?	130 °