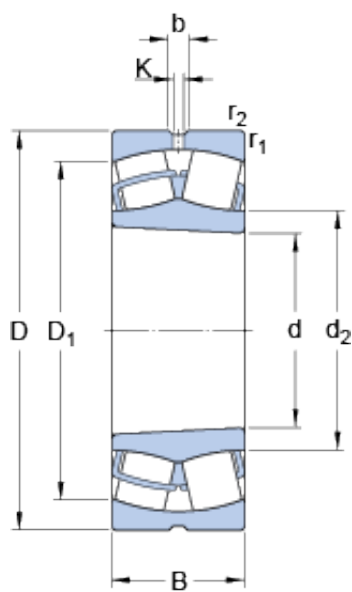




Bearing No. 22205 EK

K	2 mm
b	3.7 mm
d	25 mm
D	52 mm
B	18 mm
Bore	0.984 Inch 25 Millimeter
Noun	Bearing
Width	0.709 Inch 18 Millimeter
UNSPSC	31171510
series:	222
Category	Spherical Roller Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	52x25x18
Width (mm)	18
cage type:	Inner Ring Guided
bore type:	Tapered 1:12
Bore Profile	Tapered
maximum rpm:	17000 RPM
Mass bearing	0.26 kg
Weight / LBS	0.408
Product Group	B04311
Inch - Metric	Metric
Cage Material	Steel
closure type:	Open
D ₁	44.2 mm
d ₂	31.3 mm
Keyword String	Spherical

bore diameter:	25 mm
cage material:	Steel
Other Features	Order adapter or withdrawal sleeve or nut separately. Others may be available
fillet radius:	1 mm
Relubricatable	Yes
overall width:	18 mm
Bearing number	22205 EK
Limiting speed	17000 r/min
Rolling Element	Spherical Roller Bearing
finish/coating:	Uncoated
Mounting Method	Adapter Mount
Reference speed	13000 r/min
Manufacturer URL	http://www.skf.com
Outside Diameter	2.047 Inch 52 Millimeter
outer ring type:	Not Split
Long Description	25MM Tapered Bore; 52MM Outside Diameter; 18MM Width; C0-Medium Clearance; Adapter Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable; Adapter Part Num
Weight / Kilogram	0.185
precision rating:	Not Rated
Manufacturer Name	SKF
bearing material:	Steel
outer ring width:	18 mm
outside diameter:	52 mm

Bore Diameter (mm)	52
r_a max.	1 mm
D_a max.	46.4 mm
Internal Clearance	C0-Medium
internal clearance:	C0
Adapter Part Number	SNW05 H305 HA305 HE305 (Specify Bore) Inch H305 (Specify bore) Millimeter
Outer Diameter (mm)	25
d_a - min.	29.4 mm
$r_{1,2}$ min.	1 mm
d_a - max.	31 mm
Calculation factor e	0.35
r_a - max.	1 mm
Minimum Buy Quantity	N/A
D_a - max.	46.4 mm
d_2 ?	31.3 mm
D_1 ?	44.2 mm
static load capacity:	44 kN
$r_{1,2}$ - min.	1 mm
Calculation factor - e	0.35
Harmonized Tariff Code	84823080
lubrication hole type:	Lubrication Groove & Hole
dynamic load capacity:	49 kN
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	49.9 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	49.9 kN
Calculation factor Y_2	2.9

Calculation factor Y_1	1.9
Calculation factor Y_0	1.8
Fatigue load limit P_u	4.75 kN
Calculation factor - Y_0	1.8
Fatigue load limit - P_u	4.8 kN
Calculation factor - Y_1	1.9
Calculation factor - Y_2	2.9
Basic static load rating C_0	44 kN
Basic static load rating - C_0	44 kN
Recommended lock nut tightening angle ?	100 °