



Bearing No. 21309 E

b	6 mm
K	3 mm
d	45 mm
D	100 mm
B	25 mm
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
Width	0.984 Inch 25 Millimeter
UNSPSC	31171510
series:	213
Category	Spherical Roller Bearing
Size (mm)	100x45x25
Enclosure	Open
Inventory	1.0
bore type:	Straight
Width (mm)	25
cage type:	Inner Ring Guided
maximum rpm:	8500 RPM
Weight / LBS	2.22
Bore Profile	Straight
Mass bearing	0.99 kg
D_1	88 mm
Cage Material	Steel
closure type:	Open
d_2	65.3 mm
Product Group	B04311
Inch - Metric	Metric
fillet radius:	1.5 mm

cage material:	Steel
overall width:	25 mm
bore diameter:	45 mm
Keyword String	Spherical
Withdrawal Nut	Not Applicable
Relubricatable	Yes
Bearing number	21309 E
Limiting speed	8500 r/min
finish/coating:	Uncoated
Rolling Element	Spherical Roller Bearing
Mounting Method	Shaft Mount
Reference speed	6300 r/min
outer ring type:	Not Split
Manufacturer URL	http://www.skf.com
Outside Diameter	3.937 Inch 100 Millimeter
Long Description	45MM Straight Bore; 100MM Outside Diameter; 25MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
outside diameter:	100 mm
Weight / Kilogram	1.01
precision rating:	Not Rated
bearing material:	Steel
Withdrawal Sleeve	Not Applicable
outer ring width:	25 mm
Manufacturer Name	SKF
D _a max.	91 mm
Bore Diameter (mm)	100

Internal Clearance	C0-Medium
r_a max.	1.5 mm
d_a min.	54 mm
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
Outer Diameter (mm)	45
internal clearance:	C0
$r_{1,2}$ min.	1.5 mm
Minimum Buy Quantity	N/A
d_a - min.	54 mm
D_a - max.	91 mm
r_a - max.	1.5 mm
Calculation factor e	0.24
D_1 ?	88 mm
d_2 ?	65.3 mm
static load capacity:	127 kN
Calculation factor - e	0.24
dynamic load capacity:	125 kN
$r_{1,2}$ - min.	1.5 mm
lubrication hole type:	Lubrication Groove & Hole
Harmonized Tariff Code	84823080
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	129 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	129 kN
Calculation factor Y_1	2.8
Fatigue load limit P_u	13.7 kN
Calculation factor Y_2	4.2
Calculation factor Y_0	2.8

Calculation factor - Y_1	2.8
Calculation factor - Y_2	4.2
Calculation factor - Y_0	2.8
Fatigue load limit - P_u	14 kN
Basic static load rating C_0	127 kN
Basic static load rating - C_0	127 kN