



Bearing No. 22209 E

b	5.5 mm
K	3 mm
d	45 mm
D	85 mm
B	23 mm
Noun	Bearing
Bore	1.772 Inch 45 Millimeter
Width	0.906 Inch 23 Millimeter
UNSPSC	31171510
series:	222
Category	Spherical Roller Bearing
Size (mm)	85x45x23
Enclosure	Open
Inventory	0.0
bore type:	Straight
Width (mm)	23
cage type:	Inner Ring Guided
maximum rpm:	10000 RPM
Weight / LBS	1.288
Bore Profile	Straight
Mass bearing	0.58 kg
D ₁	74.4 mm
Cage Material	Steel
closure type:	Open
d ₂	54.4 mm
Product Group	B04311
Inch - Metric	Metric
fillet radius:	1 mm

cage material:	Steel
overall width:	23 mm
bore diameter:	45 mm
Keyword String	Spherical
Withdrawal Nut	Not Applicable
Relubricatable	Yes
Bearing number	22209 E
Limiting speed	10000 r/min
finish/coating:	Uncoated
Rolling Element	Spherical Roller Bearing
Mounting Method	Shaft Mount
Reference speed	7500 r/min
outer ring type:	Not Split
Manufacturer URL	http://www.skf.com
Long Description	45MM Straight Bore; 85MM Outside Diameter; 23MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Outside Diameter	3.346 Inch 85 Millimeter
outside diameter:	85 mm
bearing material:	Steel
outer ring width:	23 mm
Weight / Kilogram	0.585
Withdrawal Sleeve	Not Applicable
precision rating:	Not Rated
Manufacturer Name	SKF
Bore Diameter (mm)	85
D _a max.	78 mm

d_a min.	52 mm
r_a max.	1 mm
Internal Clearance	C0-Medium
internal clearance:	C0
Outer Diameter (mm)	45
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
$r_{1,2}$ min.	1.1 mm
Minimum Buy Quantity	N/A
d_a - min.	52 mm
D_a - max.	78 mm
r_a - max.	1 mm
Calculation factor e	0.26
D_1 ?	74.4 mm
d_2 ?	54.4 mm
static load capacity:	98 kN
Calculation factor - e	0.26
dynamic load capacity:	102 kN
$r_{1,2}$ - min.	1.1 mm
lubrication hole type:	Lubrication Groove & Hole
Harmonized Tariff Code	84823080
Number of Rows of Rollers	Double Row
Basic dynamic load rating C	104 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	104 kN
Calculation factor Y_1	2.6
Fatigue load limit P_u	10.8 kN
Calculation factor Y_2	3.9
Calculation factor Y_0	2.5

Calculation factor - Y_1	2.6
Calculation factor - Y_2	3.9
Calculation factor - Y_0	2.5
Fatigue load limit - P_u	10.8 kN
Basic static load rating C_0	98 kN
Basic static load rating - C_0	100 kN