



Bearing No. 22308 E

b	6 mm
K	3 mm
d	40 mm
D	90 mm
B	33 mm
Noun	Bearing
Bore	1.575 Inch 40 Millimeter
Width	1.299 Inch 33 Millimeter
UNSPSC	31171510
series:	223
Category	Spherical Roller Bearing
Size (mm)	90x40x33
Enclosure	Open
Inventory	0.0
bore type:	Straight
Width (mm)	33
cage type:	Inner Ring Guided
maximum rpm:	8000 RPM
Weight / LBS	2.266
Bore Profile	Straight
Mass bearing	1.05 kg
D ₁	74.3 mm
Cage Material	Steel
closure type:	Open
d ₂	49.9 mm
Product Group	B04311
Inch - Metric	Metric
fillet radius:	1.5 mm

cage material:	Steel
overall width:	33 mm
bore diameter:	40 mm
Keyword String	Spherical
Withdrawal Nut	Not Applicable
Relubricatable	Yes
Bearing number	22308 E
Limiting speed	8000 r/min
finish/coating:	Uncoated
Rolling Element	Spherical Roller Bearing
Mounting Method	Shaft Mount
Reference speed	6000 r/min
outer ring type:	Not Split
Manufacturer URL	http://www.skf.com
Long Description	40MM Straight Bore; 90MM Outside Diameter; 33MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Outside Diameter	3.543 Inch 90 Millimeter
outside diameter:	90 mm
bearing material:	Steel
outer ring width:	33 mm
Weight / Kilogram	1.033
Withdrawal Sleeve	Not Applicable
precision rating:	Not Rated
Manufacturer Name	SKF
d _a min.	49 mm
Bore Diameter (mm)	90

D _a max.	81 mm
r _a max.	1.5 mm
Internal Clearance	C0-Medium
internal clearance:	C0
Outer Diameter (mm)	40
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
r _{1,2} min.	1.5 mm
Minimum Buy Quantity	N/A
d _a - min.	49 mm
D _a - max.	81 mm
r _a - max.	1.5 mm
Calculation factor e	0.37
D ₁ ?	74.3 mm
d ₂ ?	49.9 mm
static load capacity:	140 kN
Calculation factor - e	0.37
dynamic load capacity:	150 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	155 kN
operating temperature range:	Maximum of +390 °F
Basic dynamic load rating - C	155 kN
Calculation factor Y ₁	1.8
Fatigue load limit P _u	15 kN
Calculation factor Y ₂	2.7
Calculation factor Y ₀	1.8

Calculation factor - Y_1	1.8
Calculation factor - Y_2	2.7
Calculation factor - Y_0	1.8
Fatigue load limit - P_u	14.6 kN
Basic static load rating C_0	140 kN
Basic static load rating - C_0	137 kN