



Bearing No. 22308 E/VA405

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
cage type:	Inner Ring Guided
bore type:	Straight
Width (mm)	33
application:	Vibratory Applications
Weight / LBS	2.266
maximum rpm:	8000 RPM
Bore Profile	Straight
Mass bearing	1.05 kg
Product Group	B04311
Inch - Metric	Metric
closure type:	Open
d_2	49.9 mm
Cage Material	Steel
D_1	74.3 mm

Keyword String	Spherical
Relubricatable	Yes
bore diameter:	40 mm
cage material:	Steel
Bearing number	22308 E/VA405
overall width:	33 mm
Limiting speed	8000 r/min
fillet radius:	1.5 mm
Withdrawal Nut	Not Applicable
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Reference speed	6000 r/min
finish/coating:	Uncoated
outer ring type:	Not Split
Outside Diameter	3.543 Inch 90 Millimeter
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:	90 mm
outer ring width:	33 mm
precision rating:	Not Rated
Manufacturer Name	SKF
Weight / Kilogram	1.029
bearing material:	Steel
Withdrawal Sleeve	Not Applicable
Internal Clearance	C0-Medium

r_a max.	1.5 mm
d_a min.	49 mm
Bore Diameter (mm)	90
D_a max.	81 mm
Outer Diameter (mm)	40
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
internal clearance:	C0
D_a - max.	81 mm
Calculation factor e	0.37
d_a - min.	49 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ min.	1.5 mm
r_a - max.	1.5 mm
static load capacity:	140 kN
D_1 ?	74.3 mm
d_2 ?	49.9 mm
lubrication hole type:	Lubrication Groove & Hole
Harmonized Tariff Code	84823080
dynamic load capacity:	150 kN
$r_{1,2}$ - min.	1.5 mm
Calculation factor - e	0.37
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
Fatigue load limit P_u	15 kN
Calculation factor Y_1	1.8
Calculation factor Y_2	2.7

Calculation factor Y_0	1.8
Calculation factor - Y_2	2.7
Fatigue load limit - P_u	14.6 kN
Calculation factor - Y_0	1.8
Calculation factor - Y_1	1.8
Basic static load rating C_0	140 kN
Basic static load rating - C_0	137 kN
Permissible linear acceleration (oil lubrication)	304 g [m/s]
Permissible rotational acceleration (oil lubrication)	1128 g [m/s]