



BROWNING BEARING COMPANY



45 mm x 100 mm x 36 mm skf 22309 e bearing

Bearing No. 22309 e

22309 e Bearing 2D drawings and 3D CAD models

Category	Spherical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.421
EAN	7316571580739
Product Group	B04311
Internal Clearance	C0-Medium
Mounting Method	Shaft Mount
Rolling Element	Spherical Roller Bearing
Bore Profile	Straight
Cage Material	Steel
Enclosure	Open
Number of Rows of Rollers	Double Row
Relubricatable	Yes
Withdrawal Sleeve	Not Applicable
Withdrawal Nut	Not Applicable
Inch - Metric	Metric
Long Description	45MM Straight Bore; 100MM Outside Diameter; 36MM Width; C0-Medium Clearance; Shaft Mount; Double Row of Spherical Roller Bearings; Steel Cage Material; Open Enclosure; Relubricatable
Category	Spherical Roller Bearing
UNSPSC	31171510



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Harmonized Tariff Code	84823080
Noun	Bearing
Keyword String	Spherical
Manufacturer URL	http://www.skf.com
Weight / LBS	3.131
Adapter Part Number	Not Applicable Inch Not Applicable Millimeter
D	3.937 Inch 100 Millimeter
d	1.772 Inch 45 Millimeter
B	1.417 Inch 36 Millimeter
bore diameter:	45 mm
maximum rpm:	7000 RPM
outside diameter:	100 mm
operating temperature range:	Maximum of +390 ° F
overall width:	36 mm
cage material:	Steel
bore type:	Straight
bearing material:	Steel
outer ring type:	Not Split
cage type:	Inner Ring Guided
internal clearance:	C0
precision rating:	Not Rated
closure type:	Open
finish/coating:	Uncoated
lubrication hole type:	Lubrication Groove & Hole
outer ring width:	36 mm
dynamic load capacity:	183 kN
fillet radius:	1.5 mm
static load capacity:	183 kN
series:	223
d	45 mm
D	100 mm



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B	36 mm
d_2	57.6 mm
D_1	83.4 mm
b	6 mm
K	3 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	54 mm
D_a max.	91 mm
r_a max.	1.5 mm
Basic dynamic load rating C	190 kN
Basic static load rating C_0	183 kN
Fatigue load limit P_u	19.6 kN
Reference speed	5300 r/min
Limiting speed	7000 r/min
Calculation factor e	0.37
Calculation factor Y_1	1.8
Calculation factor Y_2	2.7
Calculation factor Y_0	1.8
Mass bearing	1.4 kg