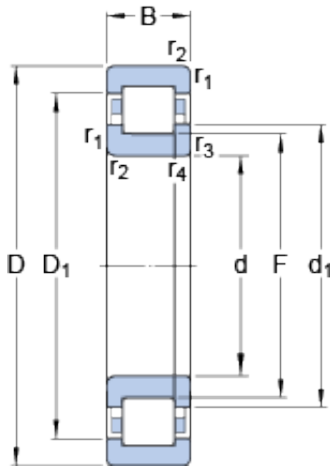




BEARING DRIVESHAFT, INC.



45 mm x 100 mm x 25 mm SKF NUP 309 ECP
thrust ball bearings

Bearing No. NUP 309 ECP

NUP 309 ECP Bearing 2D drawings and 3D CAD
models

Size	100x45x25 mm
Bore Diameter	100 mm
Outer Diameter	45 mm
Width	25 mm
d	45 mm
D	100 mm
B	25 mm
d ₁	64.4 mm
D ₁	83.2 mm
F	58.5 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1.5 mm
d _a - min.	54 mm
d _b - min.	67 mm
D _a - max.	91.4 mm
r _a - max.	1.5 mm
Basic dynamic load rating - C	112 kN
Basic static load rating - C ₀	100 kN
Fatigue load limit - P _u	12.9 kN
Reference speed	7500 r/min
Limiting speed	8500 r/min
Calculation factor - k _r	0.15
Category	Cylindrical Roller Bearings
Inventory	0.0



BEARING DRIVESHAFT, INC.

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.957
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1 ISO P0
Number of Rows of Rollers	Single Row
Separable	No
Rolling Element	Cylindrical Roller Bearing
Profile	Complete with Outer and Inner Ring
Snap Ring	No
Internal Clearance	C0-Medium
Retainer	Yes
Relubricatable	Yes
Inch - Metric	Metric
Other Features	High Capacity 1 Rib Inner Ring with Side Plate 2 Rib Outer Ring Cage on Outer Ring ID
Long Description	45MM Bore; Straight Bore Profile; 100MM Outside Diameter; 25MM Width; Polymer Cage Material; RBEC 1 ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Re
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NUP 309 ECP



BEARING DRIVESHAFT, INC.

Weight / LBS	2.108
Bore	1.772 Inch 45 Millimeter
Width	0.984 Inch 25 Millimeter
Outside Diameter	3.937 Inch 100 Millimeter
bore diameter:	45 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	100 mm
maximum rpm:	8500 RPM
overall width:	25 mm
bearing material:	Steel
flanges:	(4) Flanges, Two-Piece Inner Ring
cage material:	Polyamide
bore type:	Straight
finish/coating:	Uncoated
number of rows:	1
closure type:	Open
internal clearance:	C0
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
ring separation:	Separable Ring
outer ring width:	25 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	1.5 mm
dynamic load capacity:	112 kN
series:	NUP3
static load capacity:	100 kN
d ₁	64.4 mm
D ₁	83.2 mm
r _{1,2} min.	1.5 mm
r _{3,4} min.	1.5 mm



BEARING DRIVESHAFT, INC.

d_a min.	54 mm
d_b min.	67 mm
D_a max.	91.4 mm
r_a max.	1.5 mm
Basic dynamic load rating C	112 kN
Basic static load rating C_0	100 kN
Fatigue load limit P_u	12.9 kN
Calculation factor k_r	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	0.93 kg