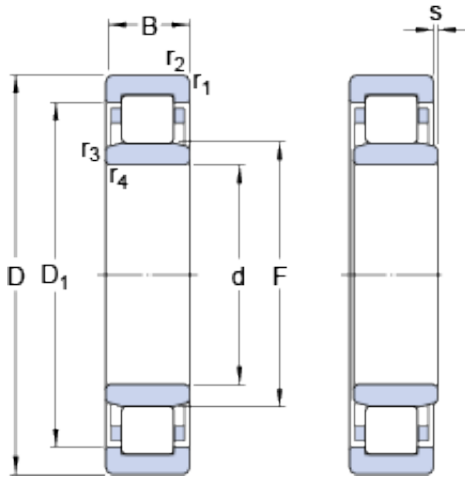




# PFG BEARING LIMITED



45 mm x 100 mm x 25 mm skf nu 309 ecp bearing

Bearing No. nu 309 ecp

nu 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 <sub>1</sub>	83.2 mm
F	58.5 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1.5 mm
s	1.7 mm
d <sub>a</sub> - min.	54 mm
d <sub>a</sub> - max.	56 mm
d <sub>b</sub> - min.	60 mm
D <sub>a</sub> - max.	91.4 mm
r <sub>a</sub> - max.	1.5 mm
r <sub>b</sub> - max.	1.5 mm
Basic dynamic load rating - C	112 kN
Basic static load rating - C <sub>0</sub>	100 kN
Fatigue load limit - P <sub>u</sub>	12.9 kN
Reference speed	7500 r/min
Limiting speed	8500 r/min
Calculation factor - k <sub>r</sub>	0.15



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Reference speed	7500 r/min
Limiting speed	8500 r/min
Calculation factor - k <sub>r</sub>	0.15
Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.92
EAN	7316577022325
Product Group	B04144



## PFG BEARING LIMITED

Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	Inner Ring - Both Sides
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   Plain Inner Ring   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; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium In
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	NU 309 ECP
Weight / LBS	2.026
Outside Diameter	3.937 Inch   100 Millimeter
Bore	1.772 Inch   45 Millimeter
Width	0.984 Inch   25 Millimeter
bore diameter:	45 mm



## PFG BEARING LIMITED

precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	100 mm
maximum rpm:	8500 RPM
overall width:	25 mm
bearing material:	Steel
flanges:	(2) Outer 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:	NU3
static load capacity:	100 kN
$D_1$	83.2 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1.5 mm
s max.	1.7 mm
$d_a$ min.	54 mm
$d_a$ max.	56 mm
$d_b$ min.	60 mm
$D_a$ max.	91.4 mm
$r_a$ max.	1.5 mm



## PFG BEARING LIMITED

$r_b$ 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	0.9 kg
Angle ring	HJ 309 EC