



## 95 mm x 200 mm x 45 mm SKF N 319 ECP thrust ball bearings

Bearing No. N 319 ECP

Size	200x95x45 mm
Bore Diameter	200 mm
Outer Diameter	95 mm
Width	45 mm
d	95 mm
D	200 mm
B	45 mm
d <sub>1</sub>	132 mm
E	177.5 mm
r <sub>1,2</sub> - min.	3 mm
r <sub>3,4</sub> - min.	3 mm
s	2.9 mm
d <sub>a</sub> - min.	110 mm
d <sub>a</sub> - max.	174 mm
D <sub>a</sub> - min.	181 mm
D <sub>a</sub> - max.	185 mm
r <sub>a</sub> - max.	2.5 mm
r <sub>b</sub> - max.	2.5 mm
Basic dynamic load rating - C	390 kN
Basic static load rating - C <sub>0</sub>	390 kN
Fatigue load limit - P <sub>u</sub>	46.5 kN
Reference speed	3600 r/min
Limiting speed	4300 r/min
Calculation factor - k <sub>r</sub>	0.12

N 319 ECP Bearing 2D drawings and 3D CAD models



## Jinan Kaidong Bearing Co., Ltd.

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	6.294
EAN	7316577109651
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	Outer 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   2 Rib Inner Ring   Plain Outer Ring   Cage on Inner Ring OD
Long Description	95MM Bore; Straight Bore Profile; 200MM Outside Diameter; 45MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Outer 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



## Jinan Kaidong Bearing Co., Ltd.

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	N 319 ECP
Weight / LBS	13.863
Outside Diameter	7.874 Inch   200 Millimeter
Width	1.772 Inch   45 Millimeter
Bore	3.74 Inch   95 Millimeter
bore diameter:	95 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	200 mm
maximum rpm:	4300 RPM
overall width:	45 mm
bearing material:	Steel
flanges:	(2) 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:	45 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2.5 mm
dynamic load capacity:	390 kN
series:	N3
static load capacity:	390 kN
d <sub>1</sub>	132 mm
r <sub>1,2</sub> min.	3 mm

## Jinan Kaidong Bearing Co., Ltd.

$r_{3,4}$ min.	3 mm
s max.	2.9 mm
$d_a$ min.	110 mm
$d_a$ max.	174 mm
$D_a$ min.	181 mm
$D_a$ max.	185 mm
$r_a$ max.	2.5 mm
$r_b$ max.	2.5 mm
Basic dynamic load rating C	390 kN
Basic static load rating $C_0$	390 kN
Fatigue load limit $P_u$	46.5 kN
Calculation factor $k_r$	0.12
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	6.23 kg