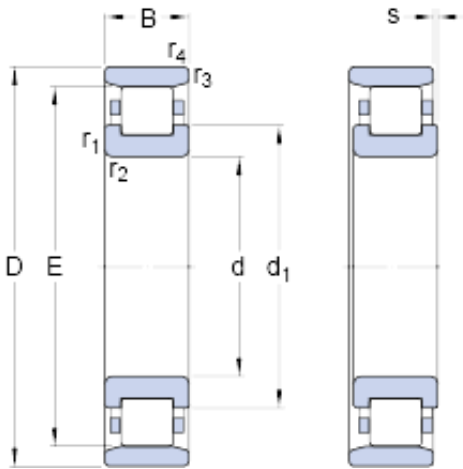




## BEARING PRECISION AXLE CORP.



### 55 mm x 100 mm x 21 mm SKF N 211 ECP thrust ball bearings

Bearing No. N 211 ECP

N 211 ECP Bearing 2D drawings and 3D CAD models

Size	100x55x21 mm
Bore Diameter	100 mm
Outer Diameter	55 mm
Width	21 mm
d	55 mm
D	100 mm
B	21 mm
d <sub>1</sub>	70.8 mm
E	90 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1.1 mm
s	1 mm
d <sub>a</sub> - min.	63 mm
d <sub>a</sub> - max.	88 mm
D <sub>a</sub> - min.	92 mm
D <sub>a</sub> - max.	93 mm
r <sub>a</sub> - max.	1.5 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	96.5 kN
Basic static load rating - C <sub>0</sub>	95 kN
Fatigue load limit - P <sub>u</sub>	12.2 kN
Reference speed	7500 r/min
Limiting speed	8000 r/min
Calculation factor - k <sub>r</sub>	0.12



## BEARING PRECISION AXLE CORP.

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.673
EAN	7316577029034
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	55MM Bore; Straight Bore Profile; 100MM Outside Diameter; 21MM 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



## BEARING PRECISION AXLE CORP.

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	N 211 ECP
Weight / LBS	1.482
Outside Diameter	3.937 Inch   100 Millimeter
Bore	2.165 Inch   55 Millimeter
Width	0.827 Inch   21 Millimeter
bore diameter:	55 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	100 mm
maximum rpm:	8000 RPM
overall width:	21 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:	21 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	1.5 mm
dynamic load capacity:	96.5 kN
series:	N2
static load capacity:	95 kN
d <sub>1</sub>	70.8 mm
r <sub>1,2</sub> min.	1.5 mm



## BEARING PRECISION AXLE CORP.

$r_{3,4}$ min.	1.1 mm
s max.	1 mm
$d_a$ min.	63 mm
$d_a$ max.	88 mm
$D_a$ min.	92 mm
$D_a$ max.	93 mm
$r_a$ max.	1.5 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	96.5 kN
Basic static load rating $C_0$	95 kN
Fatigue load limit $P_u$	12.2 kN
Calculation factor $k_r$	0.12
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	0.65 kg