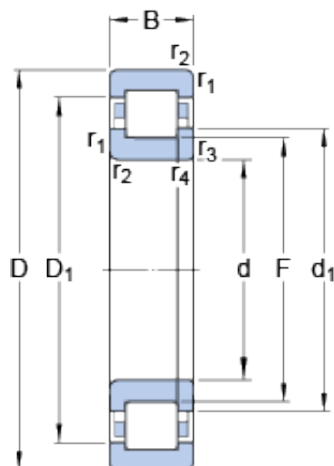




# High Temperature BEARINGS CO., LTD



## 35 mm x 80 mm x 21 mm SKF NUP 307 ECP thrust ball bearings

Bearing No. NUP 307 ECP

NUP 307 ECP Bearing 2D drawings and 3D CAD models

Size	80x35x21 mm
Bore Diameter	80 mm
Outer Diameter	35 mm
Width	21 mm
d	35 mm
D	80 mm
B	21 mm
d <sub>1</sub>	51 mm
D <sub>1</sub>	65.8 mm
F	46.2 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1.1 mm
d <sub>a</sub> - min.	44 mm
d <sub>b</sub> - min.	53 mm
D <sub>a</sub> - max.	72.2 mm
r <sub>a</sub> - max.	1.5 mm
Basic dynamic load rating - C	75 kN
Basic static load rating - C <sub>0</sub>	63 kN
Fatigue load limit - P <sub>u</sub>	8.2 kN
Reference speed	9500 r/min
Limiting speed	11000 r/min
Calculation factor - k <sub>r</sub>	0.15
Category	Cylindrical Roller Bearings
Inventory	0.0



## High Temperature BEARINGS CO., LTD

Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.518
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	35MM Bore; Straight Bore Profile; 80MM Outside Diameter; 21MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Not Separable; No Snap Ring; Relubricatable; C0-Medium Internal Clearance; Ret
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	NUP 307 ECP



## High Temperature BEARINGS CO., LTD

Weight / LBS	1.14
Outside Diameter	3.15 Inch   80 Millimeter
Bore	1.378 Inch   35 Millimeter
Width	0.827 Inch   21 Millimeter
bore diameter:	35 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	80 mm
maximum rpm:	11000 RPM
overall width:	21 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:	21 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	1.5 mm
dynamic load capacity:	75 kN
series:	NUP3
static load capacity:	63 kN
d <sub>1</sub>	51 mm
D <sub>1</sub>	65.8 mm
r <sub>1,2</sub> min.	1.5 mm
r <sub>3,4</sub> min.	1.1 mm



## High Temperature BEARINGS CO., LTD

$d_a$ min.	44 mm
$d_b$ min.	53 mm
$D_a$ max.	72.2 mm
$r_a$ max.	1.5 mm
Basic dynamic load rating C	75 kN
Basic static load rating $C_0$	63 kN
Fatigue load limit $P_u$	8.15 kN
Calculation factor $k_r$	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	0.49 kg