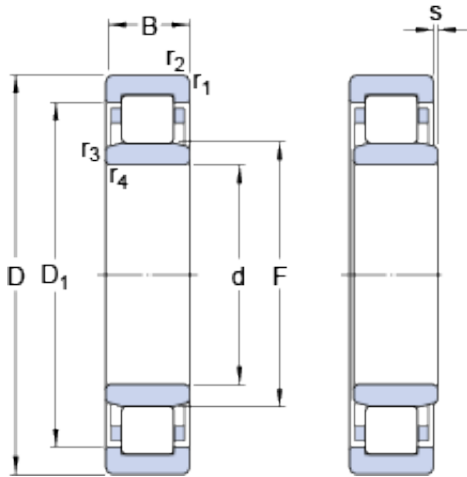




# NTN BEARING CORP.



## 80 mm x 170 mm x 58 mm SKF NU 2316 ECP thrust ball bearings

Bearing No. NU 2316 ECP

NU 2316 ECP Bearing 2D drawings and 3D CAD models

Size	170x80x58 mm
Bore Diameter	170 mm
Outer Diameter	80 mm
Width	58 mm
d	80 mm
D	170 mm
B	58 mm
D <sub>1</sub>	142.7 mm
F	101 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	2.1 mm
s	5.1 mm
d <sub>a</sub> - min.	92 mm
d <sub>a</sub> - max.	98 mm
d <sub>b</sub> - min.	104 mm
D <sub>a</sub> - max.	157.8 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	415 kN
Basic static load rating - C <sub>0</sub>	440 kN
Fatigue load limit - P <sub>u</sub>	55 kN
Reference speed	4300 r/min
Limiting speed	5000 r/min
Calculation factor - k <sub>r</sub>	0.25



## NTN BEARING CORP.

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	5.923
EAN	7316577029638
Product Group	B04144
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	80MM Bore; Straight Bore Profile; 170MM Outside Diameter; 58MM 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



## NTN BEARING CORP.

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	NU 2316 ECP
Weight / LBS	13.047
Outside Diameter	6.693 Inch   170 Millimeter
Width	2.283 Inch   58 Millimeter
Bore	3.15 Inch   80 Millimeter
bore diameter:	80 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	170 mm
maximum rpm:	5000 RPM
overall width:	58 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:	58 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	415 kN
series:	NU23
static load capacity:	440 kN
D <sub>1</sub>	142.8 mm
r <sub>1,2</sub> min.	2.1 mm



## NTN BEARING CORP.

$r_{3,4}$ min.	2.1 mm
s max.	5.1 mm
$d_a$ min.	92 mm
$d_a$ max.	98 mm
$d_b$ min.	104 mm
$D_a$ max.	157.8 mm
$r_a$ max.	2 mm
$r_b$ max.	2 mm
Basic dynamic load rating C	415 kN
Basic static load rating $C_0$	440 kN
Fatigue load limit $P_u$	55 kN
Calculation factor $k_r$	0.25
Limiting value e	0.3
Axial load factor Y	0.4
Mass bearing	5.95 kg
Angle ring	HJ 2316 EC