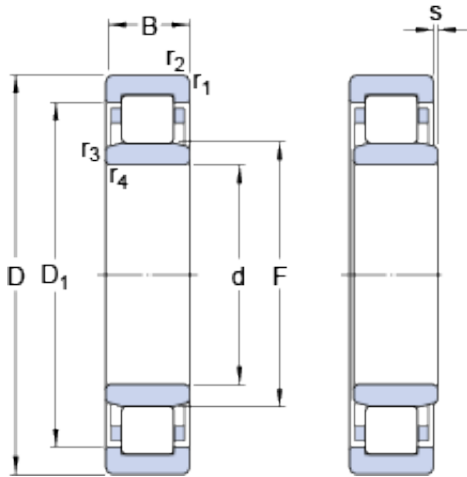




NTN BEARING CORP.



60 mm x 130 mm x 31 mm SKF NU 312 ECM thrust ball bearings

Bearing No. NU 312 ECM

NU 312 ECM Bearing 2D drawings and 3D CAD models

Size	130x60x31 mm
Bore Diameter	130 mm
Outer Diameter	60 mm
Width	31 mm
d	60 mm
D	130 mm
B	31 mm
D ₁	108.5 mm
F	77 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	2.1 mm
s	2.1 mm
d _a - min.	72 mm
d _a - max.	74 mm
d _b - min.	79 mm
D _a - max.	118.1 mm
r _a - max.	2 mm
r _b - max.	2 mm
Basic dynamic load rating - C	173 kN
Basic static load rating - C ₀	160 kN
Fatigue load limit - P _u	21.2 kN
Reference speed	5600 r/min
Limiting speed	6700 r/min
Calculation factor - k _r	0.15



NTN BEARING CORP.

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	2.153
EAN	7316576624179
Product Group	B04144
Bore Profile	Straight
Cage Material	Brass
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	60MM Bore; Straight Bore Profile; 130MM Outside Diameter; 31MM Width; Brass Cage Material; RBEC 1 ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Inte
Category	Cylindrical Roller Bearing
UNSPSC	31171547
Harmonized Tariff Code	8482.50.00.00
Noun	Bearing



NTN BEARING CORP.

Manufacturer URL	http://www.skf.com
Manufacturer Item Number	NU 312 ECM
Weight / LBS	4.743
Bore	2.362 Inch 60 Millimeter
Outside Diameter	5.118 Inch 130 Millimeter
Width	1.22 Inch 31 Millimeter
bore diameter:	60 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	130 mm
maximum rpm:	6700 RPM
overall width:	31 mm
bearing material:	Steel
flanges:	(2) Outer Ring
cage material:	Brass
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:	31 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	173 kN
series:	NU3
static load capacity:	160 kN
D ₁	108.6 mm
r _{1,2} min.	2.1 mm



NTN BEARING CORP.

$r_{3,4}$ min.	2.1 mm
s max.	2.1 mm
d_a min.	72 mm
d_a max.	74 mm
d_b min.	79 mm
D_a max.	118.1 mm
r_a max.	2 mm
r_b max.	2 mm
Basic dynamic load rating C	173 kN
Basic static load rating C_0	160 kN
Fatigue load limit P_u	21.2 kN
Calculation factor k_r	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	2.11 kg