



# BROWNING BEARING COMPANY



60 mm x 130 mm x 31 mm skf nu 312 ecj bearing

Bearing No. nu 312 ecj

nu 312 ecj 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 <sub>1</sub>	108.5 mm
F	77 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	2.1 mm
s	2.1 mm
d <sub>a</sub> - min.	72 mm
d <sub>a</sub> - max.	74 mm
d <sub>b</sub> - min.	79 mm
D <sub>a</sub> - max.	118.1 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	173 kN
Basic static load rating - C <sub>0</sub>	160 kN
Fatigue load limit - P <sub>u</sub>	21.2 kN
Reference speed	5600 r/min
Limiting speed	6700 r/min
Calculation factor - k <sub>r</sub>	0.15



## BROWNING BEARING COMPANY

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.801
EAN	7316577314710
Product Group	B04144
Bore Profile	Straight
Cage Material	Steel
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; Steel 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



## BROWNING BEARING COMPANY

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	NU 312 ECJ
Weight / LBS	3.968
Width	1.22 Inch   31 Millimeter
Outside Diameter	5.118 Inch   130 Millimeter
Bore	2.362 Inch   60 Millimeter
bore diameter:	60 mm
static load capacity:	160 kN
outside diameter:	130 mm
precision rating:	Not Rated
overall width:	31 mm
maximum rpm:	6700 RPM
flanges:	(2) Outer Ring
bearing material:	Steel
bore type:	Straight
cage material:	Steel
number of rows:	1
finish/coating:	Uncoated
internal clearance:	C0
closure type:	Open
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
D <sub>1</sub>	108.6 mm
r <sub>1,2</sub> min.	2.1 mm
r <sub>3,4</sub> min.	2.1 mm
s max.	2.1 mm
d <sub>a</sub> min.	72 mm



## BROWNING BEARING COMPANY

$d_a$ 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	1.76 kg