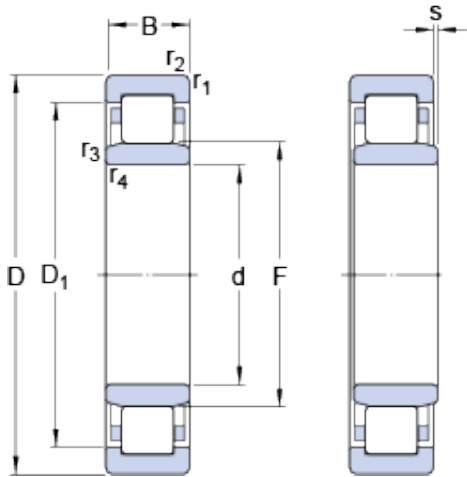




# BROWNING BEARING COMPANY



50 mm x 110 mm x 27 mm skf nu 310 ecp bearing

Bearing No. nu 310 ecp

nu 310 ecp Bearing 2D drawings and 3D CAD models

Size	110x50x27 mm
Bore Diameter	110 mm
Outer Diameter	50 mm
Width	27 mm
d	50 mm
D	110 mm
B	27 mm
D <sub>1</sub>	91.4 mm
F	65 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	2 mm
s	1.9 mm
d <sub>a</sub> - min.	60 mm
d <sub>a</sub> - max.	63 mm
d <sub>b</sub> - min.	67 mm
D <sub>a</sub> - max.	99.6 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	2 mm
Basic dynamic load rating - C	127 kN
Basic static load rating - C <sub>0</sub>	112 kN
Fatigue load limit - P <sub>u</sub>	15 kN
Reference speed	6700 r/min
Limiting speed	8000 r/min
Calculation factor - k <sub>r</sub>	0.15



## BROWNING BEARING COMPANY

Category	Cylindrical Roller Bearings
Inventory	2.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.175
EAN	7316577023131
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	50MM Bore; Straight Bore Profile; 110MM Outside Diameter; 27MM 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



## BROWNING BEARING COMPANY

Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	NU 310 ECP
Weight / LBS	2.588
Width	1.063 Inch   27 Millimeter
Bore	1.969 Inch   50 Millimeter
Outside Diameter	4.331 Inch   110 Millimeter
bore diameter:	50 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	110 mm
maximum rpm:	8000 RPM
overall width:	27 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:	27 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	127 kN
series:	NU3
static load capacity:	112 kN
D <sub>1</sub>	91.4 mm
r <sub>1,2</sub> min.	2 mm



## BROWNING BEARING COMPANY

$r_{3,4}$ min.	2 mm
s max.	1.9 mm
$d_a$ min.	60 mm
$d_a$ max.	63 mm
$d_b$ min.	67 mm
$D_a$ max.	99.6 mm
$r_a$ max.	2 mm
$r_b$ max.	2 mm
Basic dynamic load rating C	127 kN
Basic static load rating $C_0$	112 kN
Fatigue load limit $P_u$	15 kN
Calculation factor $k_r$	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	1.12 kg