



# ISOSTATIC BEARING LIMITED



NU 2310 ECML Bearing 2D drawings and 3D CAD models

## 50 mm x 110 mm x 40 mm SKF NU 2310 ECML Cylindrical Roller Bearings

Bearing No. NU 2310 ECML

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	1.987
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	50MM Bore; Straight Bore Profile; 110MM Outside Diameter; 40MM Width; Brass Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - Both Sides



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	Separable; No Snap Ring; Relubricatable; C0-Medium Inte
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	NU 2310 ECML
Weight / LBS	4.376
d	1.969 Inch   50 Millimeter
D	4.331 Inch   110 Millimeter
B	1.575 Inch   40 Millimeter
bore diameter:	50 mm
static load capacity:	186 kN
outside diameter:	110 mm
precision rating:	Not Rated
overall width:	40 mm
maximum rpm:	8000 RPM
flanges:	(2) Outer Ring
bearing material:	Steel
bore type:	Straight
cage material:	Brass
number of rows:	1
finish/coating:	Uncoated
internal clearance:	C0
closure type:	Open
ring separation:	Separable Ring
outer ring width:	40 mm
operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	186 kN



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series:	NU23
d	50 mm
D	110 mm
B	40 mm
D <sub>1</sub>	92.05 mm
F	65 mm
r <sub>1,2</sub> min.	2 mm
r <sub>3,4</sub> min.	2 mm
s max.	3.4 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	186 kN
Basic static load rating C <sub>0</sub>	186 kN
Fatigue load limit P <sub>u</sub>	24.5 kN
Reference speed	6700 r/min
Limiting speed	12000 r/min
Calculation factor k <sub>r</sub>	0.38
Limiting value e	0.3
Axial load factor Y	0.4
Mass bearing	1.94 kg