



# TIMKEN AXLE CORP.



NJ 314 ECM Bearing 2D drawings and 3D CAD models

## 70 mm x 150 mm x 35 mm SKF NJ 314 ECM Cylindrical Roller Bearings

Bearing No. NJ 314 ECM

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	3.28
EAN	7316576623790
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 - One Side
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   1 Rib Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
Long Description	70MM Bore; Straight Bore Profile; 150MM Outside Diameter; 35MM Width; Brass Cage Material; RBEC 1   ISO P0; Single Row;



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	Inner Ring - One Side Separable; No Snap Ring; Relubricatable; C0-Medium Intern
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	NJ 314 ECM
Weight / LBS	7.216
B	1.378 Inch   35 Millimeter
D	5.906 Inch   150 Millimeter
d	2.756 Inch   70 Millimeter
bore diameter:	70 mm
precision rating:	RBEC 1 (ISO Class Normal)
outside diameter:	150 mm
maximum rpm:	5600 RPM
overall width:	35 mm
bearing material:	Steel
flanges:	(2) Outer Ring, (1) Inner 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:	35 mm



## TIMKEN AXLE CORP.

operating temperature range:	Maximum of +300 ° F
fillet radius:	2 mm
dynamic load capacity:	236 kN
series:	NJ3
static load capacity:	228 kN
d	70 mm
D	150 mm
B	35 mm
d <sub>1</sub>	97.3 mm
D <sub>1</sub>	125.6 mm
F	89 mm
r <sub>1,2</sub> min.	2.1 mm
r <sub>3,4</sub> min.	2.1 mm
s max.	1.8 mm
d <sub>a</sub> min.	82 mm
d <sub>a</sub> max.	86 mm
d <sub>b</sub> min.	100 mm
D <sub>a</sub> max.	137.5 mm
r <sub>a</sub> max.	2 mm
Basic dynamic load rating C	236 kN
Basic static load rating C <sub>0</sub>	228 kN
Fatigue load limit P <sub>u</sub>	29 kN
Reference speed	4800 r/min
Limiting speed	5600 r/min
Calculation factor k <sub>r</sub>	0.15
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	3.23 kg
Angle ring	HJ 314 EC