



# BEARING CORP.OF AMERICAN LTD.



## 17 mm x 40 mm x 12 mm SKF N 203 ECP Cylindrical Roller Bearings

Bearing No. N 203 ECP

N 203 ECP Bearing 2D drawings and 3D CAD models

Category	Cylindrical Roller Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight	0.069
Product Group	B04144
Bore Profile	Straight
Cage Material	Polymer
Precision Class	RBEC 1   ISO P0
Number of Rows of Rollers	Single Row
Separable	Outer 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   2 Rib Inner Ring   Plain Outer Ring   Cage on Inner Ring OD
Long Description	17MM Bore; Straight Bore Profile; 40MM Outside Diameter; 12MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Outer Ring - Both



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	Sides Separable; No Snap Ring; Relubricatable; C0-Medium Int
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	N 203 ECP
Weight / LBS	0.153
D	1.575 Inch   40 Millimeter
B	0.472 Inch   12 Millimeter
d	0.669 Inch   17 Millimeter
bore diameter:	17 mm
static load capacity:	14.3 kN
outside diameter:	40 mm
precision rating:	RBEC 1 (ISO Class Normal)
overall width:	12 mm
maximum rpm:	22000 RPM
flanges:	(2) Inner 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:	12 mm
operating temperature range:	Maximum of +300 ° F



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fillet radius:	0.6 mm
dynamic load capacity:	17.2 kN
series:	N2
d	17 mm
D	40 mm
B	12 mm
d <sub>1</sub>	25 mm
E	35.1 mm
r <sub>1,2</sub> min.	0.6 mm
r <sub>3,4</sub> min.	0.3 mm
s max.	1 mm
d <sub>a</sub> min.	20.7 mm
d <sub>a</sub> max.	33 mm
D <sub>a</sub> min.	37 mm
D <sub>a</sub> max.	37.1 mm
r <sub>a</sub> max.	0.6 mm
r <sub>b</sub> max.	0.3 mm
Basic dynamic load rating C	20 kN
Basic static load rating C <sub>0</sub>	14.3 kN
Fatigue load limit P <sub>u</sub>	1.73 kN
Reference speed	20000 r/min
Limiting speed	22000 r/min
Calculation factor k <sub>r</sub>	0.12
Limiting value e	0.2
Axial load factor Y	0.6
Mass bearing	0.066 kg