



### Bearing No. NU 203 ECP

s	1 mm
F	22.1 mm
d	17 mm
D	40 mm
B	12 mm
Noun	Bearing
Bore	0.669 Inch   17 Millimeter
Width	0.472 Inch   12 Millimeter
UNSPSC	31171547
s max.	1 mm
series:	NU2
Profile	Complete with Outer and Inner Ring
flanges:	(2) Outer Ring
Category	Cylindrical Roller Bearing
Retainer	Yes
Size (mm)	40x17x12
Snap Ring	No
Separable	Inner Ring - Both Sides
Inventory	0.0
bore type:	Straight
Width (mm)	12
application:	Piston Type Machines, Rolling Mills, Spindles/Machine Tools
maximum rpm:	22000 RPM
Weight / LBS	0.157
Bore Profile	Straight
Mass bearing	0.068 kg

D <sub>1</sub>	32.35 mm
Product Group	B04144
closure type:	Open
Cage Material	Polymer
Inch - Metric	Metric
Bearing number	NU 203 ECP
Relubricatable	Yes
fillet radius:	0.6 mm
cage material:	Polyamide
bore diameter:	17 mm
Other Features	High Capacity   Plain Inner Ring   2 Rib Outer Ring   Cage on Outer Ring ID
overall width:	12 mm
Limiting speed	22000 r/min
number of rows:	1
Rolling Element	Cylindrical Roller Bearing
Reference speed	19000 r/min
finish/coating:	Uncoated
Precision Class	RBEC 1   ISO P0
Limiting value e	0.2
Long Description	17MM Bore; Straight Bore Profile; 40MM Outside Diameter; 12MM Width; Polymer Cage Material; RBEC 1   ISO P0; Single Row; Inner Ring - Both Sides Separable; No Snap Ring; Relubricatable; C0-Medium Int
ring separation:	Separable Ring
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	1.575 Inch   40

	Millimeter
outside diameter:	40 mm
outer ring width:	12 mm
Weight / Kilogram	0.071
Manufacturer Name	SKF
precision rating:	RBEC 1 (ISO Class Normal)
D <sub>a</sub> max.	36 mm
r <sub>b</sub> max.	0.3 mm
Bore Diameter (mm)	40
d <sub>a</sub> min.	19.9 mm
d <sub>b</sub> min.	24 mm
d <sub>a</sub> max.	21.1 mm
r <sub>a</sub> max.	0.6 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	17
Axial load factor Y	0.6
internal clearance:	C0
Minimum Buy Quantity	N/A
r <sub>b</sub> - max.	0.3 mm
r <sub>a</sub> - max.	0.6 mm
D <sub>a</sub> - max.	36 mm
d <sub>a</sub> - min.	19.9 mm
d <sub>b</sub> - min.	24 mm
r <sub>3,4</sub> min.	0.3 mm
d <sub>a</sub> - max.	21.1 mm
r <sub>1,2</sub> min.	0.6 mm
static load capacity:	14.3 kN
D <sub>1</sub> ?	32.35 mm
r <sub>1,2</sub> - min.	0.6 mm
dynamic load capacity:	17.2 kN
r <sub>3,4</sub> - min.	0.3 mm
Harmonized Tariff Code	8482.50.00.00

Manufacturer Item Number	NU 203 ECP
Number of Rows of Rollers	Single Row
Basic dynamic load rating C	20 kN
operating temperature range:	Maximum of +300 °F
Basic dynamic load rating - C	17.2 kN
Calculation factor $k_r$	0.15
Fatigue load limit $P_u$	1.73 kN
Calculation factor - $k_r$	0.15
Fatigue load limit - $P_u$	1.7 kN
Basic static load rating $C_0$	14.3 kN
Basic static load rating - $C_0$	14.3 kN