



**Bearing No. 6203 N**

D	40 mm
d	17 mm
B	12 mm
b	1.35 mm
C	2.06 mm
Noun	Bearing
Bore	0.669 Inch   17 Millimeter
UNSPSC	31171504
Category	Single Row Ball Bearing
Inventory	0.0
Enclosure	Open
Size (mm)	40x17x12
Snap Ring	Yes
Width (mm)	12
Mass bearing	0.065 kg
Weight / LBS	0.146
D <sub>3</sub>	38.1 mm
Inch - Metric	Metric
Cage Material	Steel
D <sub>2</sub>	34.98 mm
d <sub>1</sub>	24.5 mm
D <sub>3</sub>	38.1 mm
Product Group	B00308
r <sub>0</sub>	0.4 mm
Keyword String	Ball
Other Features	Deep Groove   With Snap Ring Groove
Bearing number	6203 N
Limiting speed	24000 r/min

Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
Reference speed	38000 r/min
Outer Race Width	0.472 Inch   12 Millimeter
Inner Race Width	0 Inch   0 Millimeter
Outside Diameter	1.575 Inch   40 Millimeter
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Long Description	17MM Bore; 40MM Outside Diameter; 12MM Outer Race Width; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; Yes Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Manufacturer Name	SKF
Weight / Kilogram	0.064
b <sub>a</sub> min.	1.5 mm
r <sub>0</sub> max.	0.4 mm
d <sub>a</sub> min.	21.2 mm
Bore Diameter (mm)	40
D <sub>a</sub> max.	35.8 mm
C <sub>a</sub> max.	3.18 mm
D <sub>b</sub> min.	46 mm
Internal Clearance	C0-Medium
r <sub>a</sub> max.	0.6 mm
Outer Diameter (mm)	17
b <sub>a</sub> - min.	1.5 mm
Minimum Buy Quantity	N/A
r <sub>1,2</sub> min.	0.6 mm
D <sub>b</sub> - min.	46 mm
	3.18 mm

Ca - max.

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$r_a$ - max.	0.6 mm
$d_a$ - min.	21.2 mm
$D_a$ - max.	35.8 mm
$d_1$ ?	24.5 mm
$D_2$ ?	34.98 mm
$r_{1,2}$ - min.	0.6 mm
Harmonized Tariff Code	8482.10.50.68
Internal Special Features	No
Basic dynamic load rating C	9.95 kN
Basic dynamic load rating - C	10 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit $P_u$	0.2 kN
Calculation factor $k_f$	0.025
Calculation factor $f_0$	13
Calculation factor - $k_f$	0.025
Fatigue load limit - $P_u$	0.2 kN
Calculation factor - $f_0$	13
Basic static load rating $C_0$	4.75 kN
Basic static load rating - $C_0$	4.8 kN