



**Bearing No. 6203-2Z**

D	40 mm
d	17 mm
B	12 mm
Bore	0.669 Inch   17 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	62
Category	Single Row Ball Bearing
Size (mm)	40x17x12
Snap Ring	No
Enclosure	2 Metal Shields
Inventory	5.0
Width (mm)	12
bore type:	Round
maximum rpm:	19000 RPM
Weight / LBS	0.152
Mass bearing	0.068 kg
D <sub>2</sub>	34.98 mm
Cage Material	Steel
closure type:	Double Shielded
d <sub>1</sub>	24.5 mm
Inch - Metric	Metric
Product Group	B00308
fillet radius:	0.6 mm
cage material:	Steel
overall width:	12 mm
bore diameter:	17 mm
Keyword String	Ball
Bearing number	6203-2Z

Limiting speed	19000 r/min
Precision Class	ABEC 1   ISO P0
Rolling Element	Ball Bearing
finish/coating:	Uncoated
Reference speed	38000 r/min
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	1.575 Inch   40 Millimeter
Outer Race Width	0.472 Inch   12 Millimeter
Long Description	17MM Bore; 40MM Outside Diameter; 12MM Outer Race Diameter; 2 Metal Shields; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
outer ring width:	12 mm
outside diameter:	40 mm
precision rating:	Not Rated
Weight / Kilogram	0.069
D <sub>a</sub> max.	35.8 mm
Bore Diameter (mm)	40
d <sub>a</sub> max.	24.4 mm
r <sub>a</sub> max.	0.6 mm
d <sub>a</sub> min.	21.2 mm
Internal Clearance	C0-Medium
Outer Diameter (mm)	17
internal clearance:	C0
D <sub>a</sub> - max.	35.8 mm
d <sub>a</sub> - max.	24.4 mm
r <sub>a</sub> - max.	0.6 mm

Minimum Buy Quantity	N/A
$d_a$ - min.	21.2 mm
static load capacity:	4.75 kN
$d_1$ ?	24.5 mm
$D_2$ ?	34.98 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	9.95 kN
$r_{1,2}$ - min.	0.6 mm
Harmonized Tariff Code	8482.10.50.68
Manufacturer Item Number	6203-2Z
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 $k_r$	0.025
Calculation factor $f_0$	13
Calculation factor - $k_r$	0.025
Calculation factor - $f_0$	13
Fatigue load limit - $P_u$	0.2 kN
Basic static load rating $C_0$	4.75 kN
Basic static load rating - $C_0$	4.8 kN