



6003 Bearing 2D drawings and 3D CAD models

17 mm x 35 mm x 10 mm BFKB353240 Crossed Roller Bearing 160x240x30mm

Bearing No. 6003

Size	17x35x10 mm
Bore Diameter	17 mm
Outer Diameter	35 mm
Width	10 mm
d	17 mm
D	35 mm
B	10 mm
C	10 mm
r min.	0,3 mm
da min.	19 mm
da max	21 mm
Da max.	33 mm
ra max.	0,3 mm
Weight	0,039 Kg
Basic dynamic load rating (C)	6,8 kN
Basic static load rating (C0)	3,35 kN
(Grease) Lubrication Speed	20 000 r/min
(Oil) Lubrication Speed	24 000 r/min
rs min	0.3 mm
Radial clearance class	CN
Mass	0.04 kg
Dynamic load, C	6.8 kN
Static load, C0	3.35 kN
Fatigue limit load, Cu	0.15 kN
f0	13.6



UG Ball Bearing CORP.

Nlim (oil)	24,000 rpm
Nlim (grease)	20,000 rpm
Min operating temperature, Tmin	-20 ° C
Max operating temperature, Tmax	120 ° C
Characteristic cage frequency, FTF	0.39 Hz
Characteristic rolling element frequency, BSF	4.47 Hz
Characteristic outer ring frequency, BPF0	3.14 Hz
Characteristic inner ring frequency, BRF1	4.86 Hz
da min	19 mm
Da max	33 mm
ra max	0.3 mm
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.039
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	No
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	17MM Bore; 35MM Outside Diameter; 10MM



UG Ball Bearing CORP.

	Outer Race Width; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features; C0-Medium Internal Clearance; Steel Cage
Other Features	Deep Groove
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.ntnamerica.com
Manufacturer Item Number	6003
Weight / LBS	0.086
Bore	0.669 Inch 17 Millimeter
Outer Race Width	0.394 Inch 10 Millimeter
Outside Diameter	1.378 Inch 35 Millimeter
Inner Race Width	0 Inch 0 Millimeter
bore diameter:	17 mm
precision rating:	Class 0
outside diameter:	35 mm
finish/coating:	Uncoated
overall width:	10 mm
bearing material:	High Carbon Chrome Steel
bore type:	Round
cage material:	Steel
closure type:	Open
inner ring width:	10 mm
row type & fill slot:	Single Row Non-Fill Slot
outer ring width:	10 mm
snap ring included:	Without Snap Ring



UG Ball Bearing CORP.

maximum rpm (grease):	20000 rpm
internal clearance:	CN
maximum rpm (oil):	24000 rpm
operating temperature range:	-40 to 120 ° C
fillet radius:	0.3 mm
dynamic load capacity:	6800 N
manufacturer product page:	Click here
static load capacity:	3350 N