



NTN BEARING DRIVESHAFT ANDERSON, INC.



16003 Bearing 2D drawings and 3D CAD models

SKF Ball Bearing 16003 16004 16005 16006
16007 16008 16009

Bearing No. 16003

Size	35x17x8 mm
Bore Diameter	35 mm
Outer Diameter	17 mm
Width	8 mm
d	17 mm
D	35 mm
B	8 mm
d ₁	23 mm
D ₂	31.2 mm
r _{1,2} - min.	0.3 mm
d _a - min.	19 mm
D _a - max.	33 mm
r _a - max.	0.3 mm
Basic dynamic load rating - C	6.4 kN
Basic static load rating - C ₀	3.2 kN
Fatigue load limit - P _u	0.137 kN
Reference speed	45000 r/min
Limiting speed	28000 r/min
Calculation factor - k _r	0.02
Calculation factor - f ₀	14
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A



NTN BEARING DRIVESHAFT ANDERSON, INC.

Weight / Kilogram	0.033
EAN	7316577080387
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; 8MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	16003
Weight / LBS	0.073
Outer Race Width	0.315 Inch 8 Millimeter
Bore	0.669 Inch 17 Millimeter
Outside Diameter	1.378 Inch 35 Millimeter
bore diameter:	17 mm
static load capacity:	3.25 kN
outside diameter:	35 mm



NTN BEARING DRIVESHAFT ANDERSON, INC.

precision rating:	Not Rated
overall width:	8 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	8 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.3 mm
snap ring included:	Without Snap Ring
maximum rpm:	28000 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	6.37 kN
d_1	23 mm
D_2	31.2 mm
$r_{1,2}$ min.	0.3 mm
d_a min.	19 mm
D_a max.	33 mm
r_a max.	0.3 mm
Basic dynamic load rating C	6.37 kN
Basic static load rating C_0	3.25 kN
Fatigue load limit P_u	0.137 kN
Calculation factor k_r	0.02
Calculation factor f_0	14
Mass bearing	0.031 kg