



Bearing No. 16003

D	35 mm
d	17 mm
B	8 mm
Bore	0.669 Inch 17 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	16
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	35x17x8
Snap Ring	No
Width (mm)	8
bore type:	Round
Weight / LBS	0.073
Mass bearing	0.031 kg
maximum rpm:	28000 RPM
closure type:	Open
D ₂	31.2 mm
d ₁	23 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	17 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	0.3 mm
overall width:	8 mm
Bearing number	16003

Limiting speed	28000 r/min
finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	45000 r/min
Outside Diameter	1.378 Inch 35 Millimeter
Outer Race Width	0.315 Inch 8 Millimeter
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
Manufacturer URL	http://www.skf.com
outer ring width:	8 mm
precision rating:	Not Rated
outside diameter:	35 mm
Manufacturer Name	SKF
Weight / Kilogram	0.033
D _a max.	33 mm
Bore Diameter (mm)	35
Internal Clearance	C0-Medium
r _a max.	0.3 mm
d _a min.	19 mm
snap ring included:	Without Snap Ring
Outer Diameter (mm)	17
internal clearance:	C0
r _a - max.	0.3 mm
D _a - max.	33 mm
d _a - min.	19 mm
r _{1,2} min.	0.3 mm
Minimum Buy Quantity	N/A

static load capacity:	3.25 kN
d_1 ?	23 mm
row type & fill slot:	Single Row Non-Fill Slot
D_2 ?	31.2 mm
dynamic load capacity:	6.37 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	0.3 mm
Manufacturer Item Number	16003
Internal Special Features	No
Basic dynamic load rating C	6.37 kN
Basic dynamic load rating - C	6.4 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	0.137 kN
Calculation factor k_r	0.02
Calculation factor f_0	14
Fatigue load limit - P_u	0.137 kN
Calculation factor - k_r	0.02
Calculation factor - f_0	14
Basic static load rating C_0	3.25 kN
Basic static load rating - C_0	3.2 kN