



Bearing No. 16016

D	125 mm
d	80 mm
B	14 mm
Bore	3.15 Inch 80 Millimeter
Noun	Bearing
UNSPSC	31171504
series:	16
Category	Single Row Ball Bearing
Enclosure	Open
Inventory	0.0
Size (mm)	125x80x14
Snap Ring	No
Width (mm)	14
bore type:	Round
Weight / LBS	1.391
Mass bearing	0.61 kg
maximum rpm:	7000 RPM
closure type:	Open
D ₁	109.8 mm
d ₁	95.3 mm
Inch - Metric	Metric
Cage Material	Steel
Product Group	B00308
bore diameter:	80 mm
cage material:	Steel
Keyword String	Ball
fillet radius:	0.6 mm
overall width:	14 mm
Bearing number	16016
Limiting speed	7000 r/min

finish/coating:	Uncoated
Precision Class	ABEC 1 ISO P0
Rolling Element	Ball Bearing
Reference speed	11000 r/min
Outer Race Width	0.551 Inch 14 Millimeter
Manufacturer URL	http://www.skf.com
Outside Diameter	4.921 Inch 125 Millimeter
Long Description	80MM Bore; 125MM Outside Diameter; 14MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Manufacturer Name	SKF
Weight / Kilogram	0.632
outer ring width:	14 mm
precision rating:	Not Rated
outside diameter:	125 mm
Internal Clearance	C0-Medium
D _a max.	121 mm
Bore Diameter (mm)	125
d _a min.	83.2 mm
r _a max.	0.6 mm
internal clearance:	C0
snap ring included:	Without Snap Ring
Outer Diameter (mm)	80
Minimum Buy Quantity	N/A
r _{1,2} min.	0.6 mm
r _a - max.	0.6 mm
D _a - max.	121 mm
d _a - min.	83.2 mm

static load capacity:	31.5 kN
d_1 ?	95.3 mm
D_1 ?	109.8 mm
row type & fill slot:	Single Row Non-Fill Slot
dynamic load capacity:	35.1 kN
Harmonized Tariff Code	8482.10.50.68
$r_{1,2}$ - min.	0.6 mm
Manufacturer Item Number	16016
Internal Special Features	No
Basic dynamic load rating C	35.1 kN
Basic dynamic load rating - C	35.1 kN
Maximum Capacity / Filling Slot	No
Fatigue load limit P_u	1.32 kN
Calculation factor k_r	0.02
Calculation factor f_0	16.4
Fatigue load limit - P_u	1.3 kN
Calculation factor - k_r	0.02
Calculation factor - f_0	16.4
Basic static load rating C_0	31.5 kN
Basic static load rating - C_0	31.5 kN