

16016 SKF r_{1,2} min. 0.6 mm 125x80x14mm Deep groove ball bearings

Bearing number	16016
Size (mm)	125x80x14
Brand	SKF
Bore Diameter (mm)	125
Outer Diameter (mm)	80
Width (mm)	14
d	80 mm
D	125 mm
B	14 mm
d ₁	95.3 mm
D ₁	109.8 mm
r _{1,2} – min.	0.6 mm
d _a – min.	83.2 mm
D _a – max.	121 mm
r _a – max.	0.6 mm
Basic dynamic load rating – C	35.1 kN
Basic static load rating – C ₀	31.5 kN
Fatigue load limit – P _u	1.3 kN
Reference speed	11000 r/min
Limiting speed	7000 r/min
Calculation factor – k _r	0.02
Calculation factor – f ₀	16.4

Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.632
EAN	7316577015952
Product Group – BDI	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	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
Category – BDI	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	16016
Weight / LBS	1.391

Outer Race Width	0.551 Inch 14 Millimeter
Outside Diameter	4.921 Inch 125 Millimeter
Bore	3.15 Inch 80 Millimeter
bore diameter:	80 mm
static load capacity:	31.5 kN
outside diameter:	125 mm
precision rating:	Not Rated
overall width:	14 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	14 mm
row type & fill slot:	Single Row Non-Fill Slot
fillet radius:	0.6 mm
snap ring included:	Without Snap Ring
maximum rpm:	7000 RPM
internal clearance:	C0
series:	16
dynamic load capacity:	35.1 kN
$d_1 \approx$	95.3 mm
$D_1 \approx$	109.8 mm
$r_{1,2} \text{ min.}$	0.6 mm
$d_a \text{ min.}$	83.2 mm
$D_a \text{ max.}$	121 mm
$r_a \text{ max.}$	0.6 mm
Basic dynamic load rating C	35.1 kN
Basic static load rating C_0	31.5 kN

Fatigue load limit P_u	1.32 kN
Calculation factor k_r	0.02
Calculation factor f_θ	16.4
Mass bearing	0.61 kg