



307 Bearing 2D drawings and 3D CAD models

NIB SKF Bearing N 307 ECM N307ECM

Bearing No. 307

Size	80x35x21 mm
Bore Diameter	80 mm
Outer Diameter	35 mm
Width	21 mm
d	35 mm
D	80 mm
B	21 mm
d ₁	49.56 mm
D ₂	69.2 mm
r _{1,2} - min.	1.5 mm
d _a - min.	44 mm
D _a - max.	71 mm
r _a - max.	1.5 mm
Basic dynamic load rating - C	34.7 kN
Basic static load rating - C ₀	26.5 kN
Fatigue load limit - P _u	1.1 kN
Reference speed	16000 r/min
Limiting speed	9500 r/min
Calculation factor - k _r	0.05
Category	Single Row Ball Bearings
Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.5
EAN	7316576680243



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Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	Yes
Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	35MM Bore; 80MM Outside Diameter; 21MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; Yes 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	307
Weight / LBS	1.1
Bore	1.378 Inch 35 Millimeter
Outside Diameter	3.15 Inch 80 Millimeter
Outer Race Width	0.827 Inch 21 Millimeter
bore diameter:	35 mm
static load capacity:	26.5 kN
outside diameter:	80 mm
precision rating:	ABEC 3 (ISO Class 6)
overall width:	21 mm



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finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	21 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	1.5 mm
snap ring included:	Without Snap Ring
maximum rpm:	9500 RPM
internal clearance:	C0
series:	30
dynamic load capacity:	34.7 kN
thrust application warning:	This product can not be used in Thrust Applications
d_1	49.56 mm
D_2	69.2 mm
$r_{1,2}$ min.	1.5 mm
d_a min.	44 mm
D_a max.	71 mm
r_a max.	1.5 mm
Basic dynamic load rating C	34.7 kN
Basic static load rating C_0	26.5 kN
Fatigue load limit P_u	1.12 kN
Calculation factor k_r	0.05
Mass bearing	0.48 kg