



85 mm x 150 mm x 28 mm SKF 217 NR deep groove ball bearings

Bearing No. 217 NR

217 NR Bearing 2D drawings and 3D CAD models

Size	150x85x28 mm
Bore Diameter	150 mm
Outer Diameter	85 mm
Width	28 mm
d	85 mm
D	150 mm
B	28 mm
d ₁	104.32 mm
D ₂	134.3 mm
D ₃	145.24 mm
D ₄	159.7 mm
b	3.1 mm
C	4.9 mm
f	2.82 mm
r ₀	0.6 mm
r _{1,2} - min.	2 mm
d _a - min.	96 mm
D _a - max.	139 mm
D _b - min.	162 mm
b _a - min.	3.5 mm
C _a - max.	7.72 mm
r _a - max.	2 mm
Basic dynamic load rating - C	96.8 kN
Basic static load rating - C ₀	100 kN



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Fatigue load limit - P_u	3.9 kN
Reference speed	7500 r/min
Limiting speed	4800 r/min
Calculation factor minimum radial load - k_r	0.04
Mass bearing	1.95 kg
Category	Single Row Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.92
Product Group	B00308
Enclosure	Open
Precision Class	ABEC 1 ISO P0
Maximum Capacity / Filling Slot	Yes
Rolling Element	Ball Bearing
Snap Ring	Yes
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch - Metric	Metric
Long Description	85MM Bore; 150MM Outside Diameter; 28MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; Yes Filling Slot; Yes 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



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Manufacturer URL	http://www.skf.com
Manufacturer Item Number	217 NR
Weight / LBS	4.52
Bore	3.346 Inch 85 Millimeter
Outer Race Width	1.102 Inch 28 Millimeter
Outside Diameter	5.906 Inch 150 Millimeter
bore diameter:	85 mm
static load capacity:	100 kN
outside diameter:	150 mm
precision rating:	Not Rated
overall width:	28 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	28 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	2 mm
snap ring included:	With Snap Ring
maximum rpm:	4800 RPM
internal clearance:	C0
series:	21
dynamic load capacity:	96.8 kN
thrust application warning:	This product can not be used in Thrust Applications
d_1	104.32 mm
D_2	134.3 mm
D_3	145.24 mm
D_4	159.7 mm
r_0 max.	0.6 mm
$r_{1,2}$ min.	2 mm
d_a min.	96 mm
D_a max.	139 mm



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D_b min.	162 mm
b_a min.	3.5 mm
C_a max.	7.72 mm
r_a max.	2 mm
Basic dynamic load rating C	96.8 kN
Basic static load rating C_0	100 kN
Fatigue load limit P_u	3.9 kN
Calculation factor k_r	0.04
Snap ring	SP 150