



NTNY BEARING LTD



45 mm x 85 mm x 19 mm skf 209 bearing

Bearing No. 209

209 Bearing 2D drawings and 3D CAD models

Size	85x45x19 mm
Bore Diameter	85 mm
Outer Diameter	45 mm
Width	19 mm
d	45 mm
D	85 mm
B	19 mm
d ₁	57.6 mm
D ₂	75.19 mm
r _{1,2} - min.	1.1 mm
d _a - min.	52 mm
D _a - max.	78 mm
r _a - max.	1 mm
Basic dynamic load rating - C	35.2 kN
Basic static load rating - C ₀	30 kN
Fatigue load limit - P _u	1.3 kN
Reference speed	14000 r/min
Limiting speed	8500 r/min
Calculation factor - k _r	0.04
Category	Single Row Ball Bearings
Inventory	6.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.45
EAN	7316576679629



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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	45MM Bore; 85MM Outside Diameter; 19MM 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	209
Weight / LBS	0.99
Outer Race Width	0.748 Inch 19 Millimeter
Bore	1.772 Inch 45 Millimeter
Outside Diameter	3.346 Inch 85 Millimeter
bore diameter:	45 mm
static load capacity:	30 kN
outside diameter:	85 mm
precision rating:	ABEC 3 (ISO Class 6)
overall width:	19 mm



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finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Open
outer ring width:	19 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	1 mm
snap ring included:	Without Snap Ring
maximum rpm:	8500 RPM
internal clearance:	C0
series:	20
dynamic load capacity:	35.2 kN
thrust application warning:	This product can not be used in Thrust Applications
d_1	57.6 mm
D_2	75.19 mm
$r_{1,2}$ min.	1.1 mm
d_a min.	52 mm
D_a max.	78 mm
r_a max.	1 mm
Basic dynamic load rating C	35.2 kN
Basic static load rating C_0	30 kN
Fatigue load limit P_u	1.27 kN
Calculation factor k_r	0.04
Mass bearing	0.44 kg