

211 SKF 100x55x21mm series: 21 Deep groove ball bearings

Category	Single Row Ball Bearings
BDI Inventory	6.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.68
EAN	7316576679759
Product Group – BDI	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	55MM Bore; 100MM Outside Diameter; 21MM Outer Race Diameter; Open; Ball Bearing; ABEC 1 ISO P0; Yes 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	211
Weight / LBS	1.49
Bore	2.165 Inch 55 Millimeter
Outside Diameter	3.937 Inch 100 Millimeter
Outer Race Width	0.827 Inch 21 Millimeter
Bearing number	211
Size (mm)	100x55x21
Brand	SKF
Bore Diameter (mm)	100
Outer Diameter (mm)	55
Width (mm)	21
d	55 mm
D	100 mm
B	21 mm
d ₁	69.06 mm
D ₂	89.4 mm
r _{1,2} – min.	1.5 mm
d _a – min.	64 mm
D _a – max.	91 mm
r _a – max.	1.5 mm
Basic dynamic load rating – C	48.4 kN
Basic static load rating – C ₀	44 kN
Fatigue load limit – P _u	1.9 kN
Reference speed	12000 r/min
Limiting speed	7000 r/min
Calculation factor – k _r	0.04

bore diameter:	55 mm
static load capacity:	44 kN
outside diameter:	100 mm
precision rating:	ABEC 3 (ISO Class 6)
overall width:	21 mm
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:	7000 RPM
internal clearance:	C0
series:	21
dynamic load capacity:	48.4 kN
thrust application warning:	This product can not be used in Thrust Applications
$d_1 \approx$	69.06 mm
$D_2 \approx$	89.4 mm
$r_{1,2} \text{ min.}$	1.5 mm
$d_a \text{ min.}$	64 mm
$D_a \text{ max.}$	91 mm
$r_a \text{ max.}$	1.5 mm
Basic dynamic load rating C	48.4 kN
Basic static load rating C_0	44 kN
Fatigue load limit P_u	1.86 kN

Calculation factor k_r	0.04
Mass bearing	0.66 kg