

210-ZNR SKF 90x50x20mm Internal Special Features No Deep groove ball bearings

Bearing number	210-ZNR
Size (mm)	90x50x20
Brand	SKF
Bore Diameter (mm)	90
Outer Diameter (mm)	50
Width (mm)	20
d	50 mm
D	90 mm
B	20 mm
d ₁	62.51 mm
D ₂	81.61 mm
D ₃	86.79 mm
D ₄	96.5 mm
b	2.7 mm
C	3.28 mm
f	2.46 mm
r ₀	0.6 mm
r _{1,2} – min.	1.1 mm
d _a – min.	57 mm
d _a – max.	62.4 mm
D _a – max.	83 mm
D _b – min.	98 mm

b_a – min.	3 mm
C_a – max.	5.74 mm
r_a – max.	1 mm
Basic dynamic load rating – C	39.1 kN
Basic static load rating – C_0	34.5 kN
Fatigue load limit – P_u	1.5 kN
Reference speed	13000 r/min
Limiting speed	8000 r/min
Calculation factor minimum radial load – k_r	0.04
Mass bearing	0.5 kg
Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.537
EAN	7316576679742
Product Group – BDI	B00308
Enclosure	1 Metal Shield
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	50MM Bore; 90MM Outside Diameter; 20MM Outer Race Diameter; 1 Metal Shield; Ball Bearing; ABEC 1 ISO P0; Yes Filling Slot; Yes 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	210 ZNR
Weight / LBS	1.1
Bore	1.969 Inch 50 Millimeter
Outside Diameter	3.543 Inch 90 Millimeter
Outer Race Width	0.787 Inch 20 Millimeter
bore diameter:	50 mm
static load capacity:	34.5 kN
outside diameter:	90 mm
precision rating:	ABEC 3 (ISO Class 6)
overall width:	20 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Single Shield
outer ring width:	20 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	1 mm
snap ring included:	With Snap Ring

maximum rpm:	8000 RPM
internal clearance:	C0
series:	21
dynamic load capacity:	39.1 kN
thrust application warning:	This product can not be used in Thrust Applications
$d_1 \approx$	62.51 mm
$D_2 \approx$	81.61 mm
D_3	86.79 mm
D_4	96.5 mm
r_0 max.	0.6 mm
$r_{1,2}$ min.	1.1 mm
d_a min.	57 mm
d_a max.	62.4 mm
D_a max.	83 mm
D_b min.	98 mm
b_a min.	3 mm
C_a max.	5.74 mm
r_a max.	1 mm
Basic dynamic load rating C	39.1 kN
Basic static load rating C_0	34.5 kN
Fatigue load limit P_u	1.46 kN
Calculation factor k_r	0.04
Snap ring	SP 90