

# 210 SKF 90x50x20mm Fatigue load limit Pu 1.46 kN Deep groove ball bearings

Category	Single Row Ball Bearings
BDI Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.45
EAN	7316576679698
Product Group – BDI	B04311
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	50MM Bore; 90MM Outside Diameter; 20MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	210
Weight / LBS	0.99
Bore	1.969 Inch   50 Millimeter
Outside Diameter	3.543 Inch   90 Millimeter
Outer Race Width	0.787 Inch   20 Millimeter
Bearing number	210
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 <sub>1</sub>	62.51 mm
D <sub>2</sub>	81.61 mm
r <sub>1,2</sub> – min.	1.1 mm
d <sub>a</sub> – min.	57 mm
D <sub>a</sub> – max.	83 mm
r <sub>a</sub> – max.	1 mm
Basic dynamic load rating – C	39.1 kN
Basic static load rating – C <sub>0</sub>	34.5 kN
Fatigue load limit – P <sub>u</sub>	1.5 kN
Reference speed	13000 r/min

Limiting speed	8000 r/min
Calculation factor – $k_r$	0.04
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:	Open
outer ring width:	20 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	1 mm
snap ring included:	Without 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
$r_{1,2} \text{ min.}$	1.1 mm
$d_a \text{ min.}$	57 mm
$D_a \text{ max.}$	83 mm
$r_a \text{ max.}$	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
Mass bearing	0.5 kg