

# 210-2Z SKF dynamic load capacity: 39.1 kN 50x90x20mm Deep groove ball bearings

Bearing number	210-2Z
Size (mm)	50x90x20
Brand	SKF
Bore Diameter (mm)	50
Outer Diameter (mm)	90
Width (mm)	20
d	50 mm
D	90 mm
B	20 mm
C	20 mm
d1	62.5 mm
r1 min.	1.1 mm
r2 min.	1.1 mm
D2	81.7 mm
da min.	57 mm
da max	62.4 mm
Da max.	83 mm
ra max.	1 mm
Weight	0.5 Kg
Basic dynamic load rating (C)	39.1 kN
Basic static load rating (C0)	34.5 kN
Fatigue load limit (Pu)	1.46
Reference speed	13000 r/min
Limiting speed	8000 r/min

Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.533
EAN	7316577292766
Product Group – BDI	B00308
Enclosure	2 Metal Shields
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; 2 Metal Shields; 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 2Z
Weight / LBS	1.15
Outer Race Width	0.787 Inch   20 Millimeter
Bore	1.969 Inch   50 Millimeter
Outside Diameter	3.543 Inch   90 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:	Double Shielded
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
$d_a \text{ max.}$	62.4 mm

$D_a$ max.	83 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
Mass bearing	0.5 kg