

# 207-ZNR SKF 35x72x17mm precision rating: ABEC 3 (ISO Class 6) Deep groove ball bearings

Category	Single Row Ball Bearings
BDI Inventory	1.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.323
EAN	7316576679544
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	35MM Bore; 72MM Outside Diameter; 17MM 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	<a href="http://www.skf.com">http://www.skf.com</a>
Manufacturer Item Number	207 ZNR
Weight / LBS	0.71
Outside Diameter	2.835 Inch   72 Millimeter
Bore	1.378 Inch   35 Millimeter
Outer Race Width	0.669 Inch   17 Millimeter
Bearing number	207-ZNR
Size (mm)	35x72x17
Brand	SKF
Bore Diameter (mm)	35
Outer Diameter (mm)	72
Width (mm)	17
d	35 mm
D	72 mm
B	17 mm
C	17 mm
b	1.9 mm
d1	46.9 mm
f	1.7 mm
r0 max.	0.6 mm
r1 min.	1.1 mm
r2 min.	1.1 mm
C	3.28 mm
D2	62.7 mm
D3	68.81 mm

D4	78.6 mm
ba min.	2.2 mm
Ca max.	4.98 mm
da min.	42 mm
da max	46.8 mm
Da max.	65 mm
Db min.	80 mm
ra max.	1 mm
Weight	0.31 Kg
Basic dynamic load rating (C)	27.5 kN
Basic static load rating (C0)	22 kN
Fatigue load limit (Pu)	0.93
Reference speed	17000 r/min
Limiting speed	10000 r/min
bore diameter:	35 mm
static load capacity:	22 kN
outside diameter:	72 mm
precision rating:	ABEC 3 (ISO Class 6)
overall width:	17 mm
finish/coating:	Uncoated
bore type:	Round
cage material:	Steel
closure type:	Single Shield
outer ring width:	17 mm
row type & fill slot:	Single Row Filling Slot
fillet radius:	1 mm
snap ring included:	With Snap Ring
maximum rpm:	10000 RPM
internal clearance:	C0

series:	20
dynamic load capacity:	27.5 kN
thrust application warning:	This product can not be used in Thrust Applications
$d_1 \approx$	46.94 mm
$D_2 \approx$	62.69 mm
$D_3$	68.81 mm
$D_4$	78.6 mm
$r_0$ max.	0.6 mm
$r_{1,2}$ min.	1.1 mm
$d_a$ min.	42 mm
$d_a$ max.	46.8 mm
$D_a$ max.	65 mm
$D_b$ min.	80 mm
$b_a$ min.	2.2 mm
$C_a$ max.	4.98 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	27.5 kN
Basic static load rating $C_0$	22 kN
Fatigue load limit $P_u$	0.93 kN
Calculation factor $k_r$	0.04
Mass bearing	0.31 kg
Snap ring	SP 72