

# 207-Z SKF outer ring width: 17 mm 72x35x17mm Deep groove ball bearings

Bearing number	207-Z
Size (mm)	72x35x17
Brand	SKF
Bore Diameter (mm)	72
Outer Diameter (mm)	35
Width (mm)	17
d	35 mm
D	72 mm
B	17 mm
$d_1$	46.94 mm
$D_2$	62.69 mm
$r_{1,2} - \text{min.}$	1.1 mm
$d_a - \text{min.}$	42 mm
$d_a - \text{max.}$	46.8 mm
$D_a - \text{max.}$	65 mm
$r_a - \text{max.}$	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
Reference speed	17000 r/min
Limiting speed	10000 r/min
Calculation factor – $k_r$	0.04

Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.321
EAN	7316576679537
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	No
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; 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	207 Z

Weight / LBS	0.7
Bore	1.378 Inch   35 Millimeter
Outside Diameter	2.835 Inch   72 Millimeter
Outer Race Width	0.669 Inch   17 Millimeter
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:	Without 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
$r_{1,2} \text{ min.}$	1.1 mm
$d_a \text{ min.}$	42 mm
$d_a \text{ max.}$	46.8 mm

$D_a$ max.	65 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