

# WBB1-8708-2Z SKF 14x8x4mm

## Limiting speed 48000 r/min

### Deep groove ball bearings

Bearing number	WBB1-8708-2Z
Size (mm)	14x8x4
Brand	SKF
Bore Diameter (mm)	14
Outer Diameter (mm)	8
Width (mm)	4
d	8 mm
D	14 mm
B	4 mm
$d_2$	9.26 mm
$D_2$	12.8 mm
$r_{1,2} - \text{min.}$	0.15 mm
$d_a - \text{min.}$	8.9 mm
$d_a - \text{max.}$	9.2 mm
$D_a - \text{max.}$	12.9 mm
$r_a - \text{max.}$	0.15 mm
Basic dynamic load rating – C	0.364 kN
Basic static load rating – $C_0$	0.053 kN
Fatigue load limit – $P_u$	0.002 kN
Reference speed	95000 r/min
Limiting speed	48000 r/min
Calculation factor – $k_r$	0.015

Calculation factor – $f_0$	2.1
$d_2 \approx$	9.26 mm
$D_2 \approx$	12.78 mm
$r_{1,2} \text{ min.}$	0.15 mm
$d_a \text{ min.}$	8.9 mm
$d_a \text{ max.}$	9.2 mm
$D_a \text{ max.}$	12.9 mm
$r_a \text{ max.}$	0.15 mm
Basic dynamic load rating C	0.462 kN
Basic static load rating $C_0$	0.193 kN
Fatigue load limit $P_u$	0.002 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	7.8
Mass bearing	0.002 kg