

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} – min.	0.15 mm
d _a – min.	8.9 mm
d _a – max.	9.2 mm
D _a – max.	12.9 mm
r _a – 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