

# WBB1-8708-2RS1 SKF 14x8x4mm Fatigue load limit – Pu 0.002 kN Deep groove ball bearings

Bearing number	WBB1-8708-2RS1
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 <sub>2</sub>	9.26 mm
D <sub>2</sub>	12.8 mm
r <sub>1,2</sub> – min.	0.15 mm
d <sub>a</sub> – min.	8.9 mm
d <sub>a</sub> – max.	9.2 mm
D <sub>a</sub> – max.	12.9 mm
r <sub>a</sub> – max.	0.15 mm
Basic dynamic load rating – C	0.364 kN
Basic static load rating – C <sub>0</sub>	0.053 kN
Fatigue load limit – P <sub>u</sub>	0.002 kN
Limiting speed	28000 r/min
Calculation factor – k <sub>r</sub>	0.015
Calculation factor – f <sub>0</sub>	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