

WBB1-8700-2Z SKF 4×1.2×2.5mm ra max. 0.1 mm Deep groove ball bearings

Bearing number	WBB1-8700-2Z
Size (mm)	4×1.2×2.5
Brand	SKF
Bore Diameter (mm)	4
Outer Diameter (mm)	1.2
Width (mm)	2.5
d	1.2 mm
D	4 mm
B	2.5 mm
d ₁	2.15 mm
D ₂	3.5 mm
r _{1,2} – min.	0.1 mm
d _a – min.	2 mm
d _a – max.	2.1 mm
D _a – max.	3.5 mm
r _a – max.	0.1 mm
Basic dynamic load rating – C	0.062 kN
Basic static load rating – C ₀	0.016 kN
Fatigue load limit – P _u	0.001 kN
Reference speed	220000 r/min
Limiting speed	110000 r/min
Calculation factor – k _r	0.02

Calculation factor – f_0	6.4
$d_1 \approx$	2.15 mm
$D_2 \approx$	3.5 mm
$r_{1,2} \text{ min.}$	0.1 mm
$d_a \text{ min.}$	2 mm
$d_a \text{ max.}$	2.1 mm
$D_a \text{ max.}$	3.5 mm
$r_a \text{ max.}$	0.1 mm
Basic dynamic load rating C	0.062 kN
Basic static load rating C_0	0.016 kN
Fatigue load limit P_u	0.001 kN
Calculation factor k_r	0.02
Calculation factor f_0	6.4
Mass bearing	0.0001 kg