209-2ZNR SKF D2 ≈ 75.19 mm 85x45x19mm Deep groove ball bearings

Bearing number	209-2ZNR
Size (mm)	85x45x19
Brand	SKF
Bore Diameter (mm)	85
Outer Diameter (mm)	45
Width (mm)	19
d	45 mm
D	85 mm
B	19 mm
d_1	57.6 mm
D_2	75.19 mm
D_3	81.81 mm
D_4	91.6 mm
b	1.9 mm
C	3.28 mm
f	1.7 mm
r_0	0.6 mm
$r_{1,2}$ – min.	1.1 mm
d_a – min.	52 mm
d_a – max.	57.5 mm
D_a – max.	78 mm
D_b – min.	93 mm

b_a – min.	2.2 mm
C_a – max.	4.98 mm
r_a – max.	1 mm
Basic dynamic load rating – C	35.2 kN
Basic static load rating – C_0	30 kN
Fatigue load limit – P_u	1.3 kN
Reference speed	14000 r/min
Limiting speed	6800 r/min
Calculation factor minimum radial load – k_r	0.04
Mass bearing	0.44 kg
d_1 ≈	57.6 mm
D_2 ≈	75.19 mm
D_3	81.81 mm
D_4	91.6 mm
r_0 max.	0.6 mm
$r_{1,2}$ min.	1.1 mm
d_a min.	52 mm
d_a max.	57.5 mm
D_a max.	78 mm
D_b min.	93 mm
b_a min.	2.2 mm
C_a max.	4.98 mm
r_a max.	1 mm
Basic dynamic load rating C	35.2 kN
Basic static load rating C_0	30 kN
Fatigue load limit P_u	1.27 kN

Calculation factor k_r	0.04
Snap ring	SP 85