

209-2ZNR SKF D2 $\approx$ 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
$r_{1,2} - \text{min.}$	1.1 mm
$d_a - \text{min.}$	52 mm
$d_a - \text{max.}$	57.5 mm
$D_a - \text{max.}$	78 mm
$D_b - \text{min.}$	93 mm

$b_a - \text{min.}$	2.2 mm
$C_a - \text{max.}$	4.98 mm
$r_a - \text{max.}$	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
$d_1 \approx$	57.6 mm
$D_2 \approx$	75.19 mm
D_3	81.81 mm
D_4	91.6 mm
$r_0 \text{ max.}$	0.6 mm
$r_{1,2} \text{ min.}$	1.1 mm
$d_a \text{ min.}$	52 mm
$d_a \text{ max.}$	57.5 mm
$D_a \text{ max.}$	78 mm
$D_b \text{ min.}$	93 mm
$b_a \text{ min.}$	2.2 mm
$C_a \text{ max.}$	4.98 mm
$r_a \text{ max.}$	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