

2219 SKF Permissible angular misalignment α 2.5 ° 170x95x43mm Self aligning ball bearings

Bearing number	2219
Size (mm)	170x95x43
Brand	SKF
Bore Diameter (mm)	170
Outer Diameter (mm)	95
Width (mm)	43
d	95 mm
D	170 mm
B	43 mm
d ₁	119.15 mm
D ₁	148.7 mm
r _{1,2} – min.	2.1 mm
d _a – min.	107 mm
D _a – max.	158 mm
r _a – max.	2 mm
Basic dynamic load rating – C	83.2 kN
Basic static load rating – C ₀	34.5 kN
Fatigue load limit – P _u	1.5 kN
Reference speed	7000 r/min
Limiting speed	5000 r/min
Calculation factor – k _r	0.04

Calculation factor – e	0.27
Calculation factor – Y_0	2.5
Calculation factor – Y_1	2.3
Calculation factor – Y_2	3.6
$d_1 \approx$	119.15 mm
$D_1 \approx$	148.7 mm
$r_{1,2} \text{ min.}$	2.1 mm
$d_a \text{ min.}$	107 mm
$D_a \text{ max.}$	158 mm
$r_a \text{ max.}$	2 mm
Basic dynamic load rating C	83.2 kN
Basic static load rating C_0	34.5 kN
Fatigue load limit P_u	1.53 kN
Permissible angular misalignment α	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.27
Calculation factor Y_0	2.5
Calculation factor Y_1	2.3
Calculation factor Y_2	3.6
Mass bearing	4.1 kg