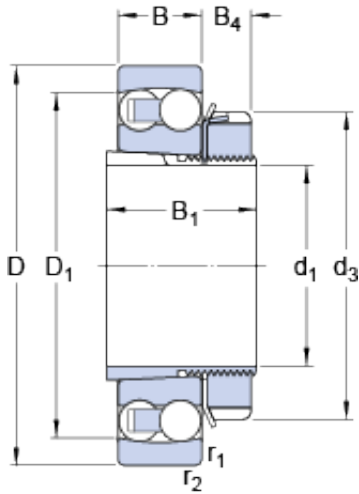




SMOOTH BEARING MFG.CORP.



85 mm x 170 mm x 32 mm 85 mm x 170 mm x
32 mm 85 mm x 170 mm x 32 mm SKF 1219 K +
H 219 self aligning ball bearings

Bearing No. 1219 K + H 219

1219 K + H 219 Bearing 2D drawings and 3D CAD
models

Size	170x85x55 mm
Bore Diameter	170 mm
Outer Diameter	85 mm
Width	55 mm
d_1	85 mm
D	170 mm
B_1	55 mm
d_3	125 mm
D_1	148.1 mm
B	32 mm
B_4	19 mm
$r_{1,2}$ - min.	2.1 mm
d_a - max.	120 mm
d_b - min.	100 mm
D_a - max.	158 mm
B_a - min.	8 mm
r_a - max.	2 mm
Basic dynamic load rating - C	63.7 kN
Basic static load rating - C_0	27 kN
Fatigue load limit - P_u	1.2 kN
Reference speed	8000 r/min
Limiting speed	5000 r/min
Calculation factor - k_r	0.04



SMOOTH BEARING MFG.CORP.

Calculation factor - e	0.17
Calculation factor - Y_0	4
Calculation factor - Y_1	3.7
Calculation factor - Y_2	5.7
d	85 mm
B_1	55 mm
d_3	125 mm
D_1	148.1 mm
B_4	19 mm
$r_{1,2}$ min.	2.1 mm
d_a max.	120 mm
d_b min.	100 mm
D_a max.	158 mm
B_a min.	8 mm
r_a max.	2 mm
Basic dynamic load rating C	63.7 kN
Basic static load rating C_0	27 kN
Fatigue load limit P_u	1.2 kN
Permissible angular misalignment	2.5 °
Calculation factor k_r	0.04
Calculation factor e	0.17
Calculation factor Y_0	4
Calculation factor Y_1	3.7
Calculation factor Y_2	5.7
Mass bearing + adapter sleeve	4.25 kg