

BS2-2219-2RS/VT143 SKF Basic static load rating – C₀ 450 kN 170x95x51mm Spherical roller bearings

Bearing number	BS2-2219-2RS/VT143
Size (mm)	170x95x51
Brand	SKF
Bore Diameter (mm)	170
Outer Diameter (mm)	95
Width (mm)	51
d	95 mm
D	170 mm
B	51 mm
d ₂	109 mm
D ₁	155 mm
b	8.3 mm
K	4.5 mm
r _{1,2} – min.	2.1 mm
d _a – min.	107 mm
d _a – max.	109 mm
D _a – max.	158 mm
r _a – max.	2 mm
Basic dynamic load rating – C	393 kN
Basic static load rating – C ₀	450 kN
Fatigue load limit – P _u	45.5 kN

Limiting speed	1700 r/min
Calculation factor – e	0.24
Calculation factor – Y_1	2.8
Calculation factor – Y_2	4.2
Calculation factor – Y_0	2.8
$d_2 \approx$	109 mm
$D_1 \approx$	155 mm
$r_{1,2}$ min.	2.1 mm
d_a min.	107 mm
d_a max.	109 mm
D_a max.	158 mm
r_a max.	2 mm
Basic dynamic load rating C	393 kN
Basic static load rating C_0	450 kN
Fatigue load limit P_u	45.5 kN
Calculation factor e	0.24
Calculation factor Y_1	2.8
Calculation factor Y_2	4.2
Calculation factor Y_0	2.8
Mass bearing	4.65 kg