

BS2-2311-2RS/VT143 SKF

Calculation factor – Y2 2.9

120x55x49mm Spherical roller bearings

Bearing number	BS2-2311-2RS/VT143
Size (mm)	120x55x49
Brand	SKF
Bore Diameter (mm)	120
Outer Diameter (mm)	55
Width (mm)	49
d	55 mm
D	120 mm
B	49 mm
d ₂	67.5 mm
D ₁	107 mm
b	6 mm
K	3 mm
r _{1,2} – min.	2 mm
d _a – min.	66 mm
d _a – max.	67.5 mm
D _a – max.	109 mm
r _a – max.	2 mm
Basic dynamic load rating – C	280 kN
Basic static load rating – C ₀	280 kN
Fatigue load limit – P _u	30 kN

Limiting speed	2800 r/min
Calculation factor – e	0.35
Calculation factor – Y_1	1.9
Calculation factor – Y_2	2.9
Calculation factor – Y_0	1.8
$d_2 \approx$	67.5 mm
$D_1 \approx$	107 mm
$r_{1,2}$ min.	2 mm
d_a min.	66 mm
d_a max.	67.5 mm
D_a max.	109 mm
r_a max.	2 mm
Basic dynamic load rating C	280 kN
Basic static load rating C_0	280 kN
Fatigue load limit P_u	30 kN
Calculation factor e	0.35
Calculation factor Y_1	1.9
Calculation factor Y_2	2.9
Calculation factor Y_0	1.8
Mass bearing	2.8 kg