

BS2-2310-2RS/VT143 SKF

Calculation factor – Y2 2.7

110x50x45mm Spherical roller bearings

Bearing number	BS2-2310-2RS/VT143
Size (mm)	110x50x45
Brand	SKF
Bore Diameter (mm)	110
Outer Diameter (mm)	50
Width (mm)	45
d	50 mm
D	110 mm
B	45 mm
d ₂	61.5 mm
D ₁	96.8 mm
b	6 mm
K	3 mm
r _{1,2} – min.	2 mm
d _a – min.	61 mm
d _a – max.	61.5 mm
D _a – max.	99 mm
r _a – max.	2 mm
Basic dynamic load rating – C	228 kN
Basic static load rating – C ₀	216 kN
Fatigue load limit – P _u	23.2 kN

Limiting speed	3000 r/min
Calculation factor – e	0.37
Calculation factor – Y_1	1.8
Calculation factor – Y_2	2.7
Calculation factor – Y_0	1.8
$d_2 \approx$	61.5 mm
$D_1 \approx$	96.8 mm
$r_{1,2}$ min.	2 mm
d_a min.	61 mm
d_a max.	61.5 mm
D_a max.	99 mm
r_a max.	2 mm
Basic dynamic load rating C	228 kN
Basic static load rating C_0	224 kN
Fatigue load limit P_u	24 kN
Calculation factor e	0.37
Calculation factor Y_1	1.8
Calculation factor Y_2	2.7
Calculation factor Y_0	1.8
Mass bearing	2.1 kg