

BS2-2318-2RS5/VT143 SKF Calculation factor – Y0 2 190x90x73mm Spherical roller bearings

Bearing number	BS2-2318-2RS5/VT143
Size (mm)	190x90x73
Brand	SKF
Bore Diameter (mm)	190
Outer Diameter (mm)	90
Width (mm)	73
d	90 mm
D	190 mm
B	73 mm
d ₂	109 mm
D ₁	165 mm
b	11.1 mm
K	6 mm
r _{1,2} – min.	3 mm
d _a – min.	104 mm
d _a – max.	109 mm
D _a – max.	176 mm
r _a – max.	2.5 mm
Basic dynamic load rating – C	637 kN
Basic static load rating – C ₀	695 kN
Fatigue load limit – P _u	67 kN

Limiting speed	1700 r/min
Calculation factor – e	0.33
Calculation factor – Y_1	2
Calculation factor – Y_2	3
Calculation factor – Y_0	2
$d_2 \approx$	109 mm
$D_1 \approx$	165 mm
$r_{1,2}$ min.	3 mm
d_a min.	104 mm
d_a max.	109 mm
D_a max.	176 mm
r_a max.	2.5 mm
Basic dynamic load rating C	637 kN
Basic static load rating C_0	695 kN
Fatigue load limit P_u	67 kN
Calculation factor e	0.33
Calculation factor Y_1	2
Calculation factor Y_2	3
Calculation factor Y_0	2
Mass bearing	9.8 kg