

BS2-2314-2RS/VT143 SKF

Calculation factor e 0.33

150x70x60mm Spherical roller bearings

Bearing number	BS2-2314-2RS/VT143
Size (mm)	150x70x60
Brand	SKF
Bore Diameter (mm)	150
Outer Diameter (mm)	70
Width (mm)	60
d	70 mm
D	150 mm
B	60 mm
d_2	86.7 mm
D_1	136 mm
b	8.3 mm
K	4.5 mm
$r_{1,2} - \text{min.}$	2.1 mm
$d_a - \text{min.}$	82 mm
$d_a - \text{max.}$	86.5 mm
$D_a - \text{max.}$	138 mm
$r_a - \text{max.}$	2 mm
Basic dynamic load rating – C	413 kN
Basic static load rating – C_0	430 kN
Fatigue load limit – P_u	45 kN

Limiting speed	2100 r/min
Calculation factor – e	0.33
Calculation factor – Y_1	2
Calculation factor – Y_2	3
Calculation factor – Y_0	2
$d_2 \approx$	86.7 mm
$D_1 \approx$	136 mm
$r_{1,2}$ min.	2.1 mm
d_a min.	82 mm
d_a max.	86.5 mm
D_a max.	138 mm
r_a max.	2 mm
Basic dynamic load rating C	413 kN
Basic static load rating C_0	430 kN
Fatigue load limit P_u	45 kN
Calculation factor e	0.33
Calculation factor Y_1	2
Calculation factor Y_2	3
Calculation factor Y_0	2
Mass bearing	5.1 kg