

BS2-2318-2RS5K/VT143 SKF

190x90x73mm $r_{1,2} \text{ min. } 3 \text{ mm}$

Spherical roller bearings

Bearing number	BS2-2318-2RS5K/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
$r_{1,2} - \text{min.}$	3 mm
$d_a - \text{min.}$	98 mm
$d_a - \text{max.}$	109 mm
$D_a - \text{max.}$	176 mm
$r_a - \text{max.}$	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
$r_{1,2} \text{ min.}$	3 mm
$D_a \text{ max.}$	176 mm
$r_a \text{ max.}$	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
Recommended lock nut tightening angle α	150 °