

BS2-2211-2RSK/VT143 SKF

100x55x31mm ra – max. 1.5 mm

Spherical roller bearings

Bearing number	BS2-2211-2RSK/VT143
Size (mm)	100x55x31
Brand	SKF
Bore Diameter (mm)	100
Outer Diameter (mm)	55
Width (mm)	31
d	55 mm
D	100 mm
B	31 mm
d ₂	63.5 mm
D ₁	92 mm
b	6 mm
K	3 mm
r _{1,2} – min.	1.5 mm
d _a – min.	62.2 mm
d _a – max.	63.5 mm
D _a – max.	91 mm
r _a – max.	1.5 mm
Basic dynamic load rating – C	129 kN
Basic static load rating – C ₀	127 kN
Fatigue load limit – P _u	14 kN
Limiting speed	2900 r/min
Calculation factor – e	0.24

Calculation factor – Y_1	2.8
Calculation factor – Y_2	4.2
Calculation factor – Y_0	2.8
$d_2 \approx$	63.5 mm
$D_1 \approx$	92 mm
$r_{1,2} \text{ min.}$	1.5 mm
$D_a \text{ max.}$	91 mm
$r_a \text{ max.}$	1.5 mm
Basic dynamic load rating C	129 kN
Basic static load rating C_0	127 kN
Fatigue load limit P_u	13.7 kN
Calculation factor e	0.24
Calculation factor Y_1	2.8
Calculation factor Y_2	4.2
Calculation factor Y_0	2.8
Mass bearing	1 kg
Recommended lock nut tightening angle α	115 °