

BS2-2309-2RS/VT143 SKF

100x45x42mm D_a max. 91 mm

Spherical roller bearings

Bearing number	BS2-2309-2RS/VT143
Size (mm)	100x45x42
Brand	SKF
Bore Diameter (mm)	100
Outer Diameter (mm)	45
Width (mm)	42
d	45 mm
D	100 mm
B	42 mm
d_2	55 mm
D_1	88.5 mm
b	6 mm
K	3 mm
$r_{1,2} - \text{min.}$	1.5 mm
$d_a - \text{min.}$	54 mm
$d_a - \text{max.}$	55 mm
$D_a - \text{max.}$	91 mm
$r_a - \text{max.}$	1.5 mm
Basic dynamic load rating – C	190 kN
Basic static load rating – C_0	176 kN
Fatigue load limit – P_u	19 kN
Limiting speed	3400 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
Category	Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.001
Product Group – BDI	B04311
$d_2 \approx$	55 mm
$D_1 \approx$	88.5 mm
$r_{1,2} \text{ min.}$	1.5 mm
$d_a \text{ min.}$	54 mm
$d_a \text{ max.}$	55 mm
$D_a \text{ max.}$	91 mm
$r_a \text{ max.}$	1.5 mm
Basic dynamic load rating C	190 kN
Basic static load rating C_0	183 kN
Fatigue load limit P_u	19.6 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	1.6 kg