

24120-2RS5/VT143 SKF

Calculation factor Y2 2.9

165x100x65mm Spherical roller bearings

Bearing number	24120-2RS5/VT143
Size (mm)	165x100x65
Brand	SKF
Bore Diameter (mm)	165
Outer Diameter (mm)	100
Width (mm)	65
d	100 mm
D	165 mm
B	65 mm
d ₂	110 mm
D ₁	147 mm
b	4.4 mm
K	2 mm
r _{1,2} – min.	2 mm
d _a – min.	110 mm
d _a – max.	110 mm
D _a – max.	154 mm
r _a – max.	2 mm
Basic dynamic load rating – C	470 kN
Basic static load rating – C ₀	640 kN
Fatigue load limit – P _u	68 kN

Limiting speed	1700 r/min
Calculation factor – e	0.35
Calculation factor – Y_1	1.9
Calculation factor – Y_2	2.9
Calculation factor – Y_0	1.8
$d_2 \approx$	110 mm
$D_1 \approx$	147 mm
$r_{1,2}$ min.	2 mm
d_a min.	110 mm
d_a max.	110 mm
D_a max.	154 mm
r_a max.	2 mm
Basic dynamic load rating C	470 kN
Basic static load rating C_0	640 kN
Fatigue load limit P_u	68 kN
Calculation factor e	0.35
Calculation factor Y_1	1.9
Calculation factor Y_2	2.9
Calculation factor Y_0	1.8
Mass bearing	5.65 kg