

24128-2CS5K30/VT143 SKF

225x140x85mm Calculation

factor Y2 2.9 Spherical roller bearings

Bearing number	24128-2CS5K30/VT143
Size (mm)	225x140x85
Brand	SKF
Bore Diameter (mm)	225
Outer Diameter (mm)	140
Width (mm)	85
d	140 mm
D	225 mm
B	85 mm
d ₂	153 mm
D ₁	203 mm
b	8.3 mm
K	4.5 mm
r _{1,2} – min.	2.1 mm
d _a – min.	148 mm
d _a – max.	153 mm
D _a – max.	213 mm
r _a – max.	2 mm
Basic dynamic load rating – C	797 kN
Basic static load rating – C ₀	1160 kN
Fatigue load limit – P _u	112 kN

Limiting speed	450 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
$d_2 \approx$	153 mm
$D_1 \approx$	203 mm
$r_{1,2} \text{ min.}$	2.1 mm
$D_a \text{ max.}$	213 mm
$r_a \text{ max.}$	2 mm
Basic dynamic load rating C	797 kN
Basic static load rating C_0	1160 kN
Fatigue load limit P_u	112 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	13.5 kg