

# 24134-2CS5/VT143 SKF $d_2 \approx 185$ mm 280x170x109mm Spherical roller bearings

Bearing number	24134-2CS5/VT143
Size (mm)	280x170x109
Brand	SKF
Bore Diameter (mm)	280
Outer Diameter (mm)	170
Width (mm)	109
d	170 mm
D	280 mm
B	109 mm
$d_2$	185 mm
$D_1$	248 mm
b	8.3 mm
K	4.5 mm
$r_{1,2} - \text{min.}$	2.1 mm
$d_a - \text{min.}$	182 mm
$d_a - \text{max.}$	185 mm
$D_a - \text{max.}$	268 mm
$r_a - \text{max.}$	2 mm
Basic dynamic load rating – C	1273 kN
Basic static load rating – $C_0$	1860 kN
Fatigue load limit – $P_u$	170 kN
Limiting speed	360 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
Category	Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group – BDI	B04311
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Basic static load rating $C_0$	1860 kN
Fatigue load limit $P_u$	170 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	27.5 kg