

24156-2CS5/VT143 SKF

460x280x180mm ra max. 4 mm

Spherical roller bearings

Bearing number	24156-2CS5/VT143
Size (mm)	460x280x180
Brand	SKF
Bore Diameter (mm)	460
Outer Diameter (mm)	280
Width (mm)	180
d	280 mm
D	460 mm
B	180 mm
d ₂	307 mm
D ₁	413 mm
b	13.9 mm
K	7.5 mm
r _{1,2} – min.	5 mm
d _a – min.	300 mm
d _a – max.	307 mm
D _a – max.	440 mm
r _a – max.	4 mm
Basic dynamic load rating – C	3190 kN
Basic static load rating – C ₀	5100 kN
Fatigue load limit – P _u	415 kN
Limiting speed	220 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
$d_2 \approx$	307 mm
$D_1 \approx$	413 mm
$r_{1,2} \text{ min.}$	5 mm
$d_a \text{ min.}$	300 mm
$d_a \text{ max.}$	307 mm
$D_a \text{ max.}$	440 mm
$r_a \text{ max.}$	4 mm
Basic dynamic load rating C	3190 kN
Basic static load rating C_0	5100 kN
Fatigue load limit P_u	415 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	115 kg