

# 24152-2CS5/VT143 SKF

## Calculation factor – Y0 1.6

### 440x260x180mm Spherical

### roller bearings

Bearing number	24152-2CS5/VT143
Size (mm)	440x260x180
Brand	SKF
Bore Diameter (mm)	440
Outer Diameter (mm)	260
Width (mm)	180
d	260 mm
D	440 mm
B	180 mm
d <sub>2</sub>	286 mm
D <sub>1</sub>	391 mm
b	13.9 mm
K	7.5 mm
r <sub>1,2</sub> – min.	4 mm
d <sub>a</sub> – min.	277 mm
d <sub>a</sub> – max.	286 mm
D <sub>a</sub> – max.	423 mm
r <sub>a</sub> – max.	3 mm
Basic dynamic load rating – C	3092 kN
Basic static load rating – C <sub>0</sub>	4900 kN
Fatigue load limit – P <sub>u</sub>	380 kN

Limiting speed	240 r/min
Calculation factor – e	0.4
Calculation factor – $Y_1$	1.7
Calculation factor – $Y_2$	2.5
Calculation factor – $Y_0$	1.6
$d_2 \approx$	286 mm
$D_1 \approx$	391 mm
$r_{1,2}$ min.	4 mm
$d_a$ min.	277 mm
$d_a$ max.	286 mm
$D_a$ max.	423 mm
$r_a$ max.	3 mm
Basic dynamic load rating C	3092 kN
Basic static load rating $C_0$	4900 kN
Fatigue load limit $P_u$	380 kN
Calculation factor e	0.4
Calculation factor $Y_1$	1.7
Calculation factor $Y_2$	2.5
Calculation factor $Y_0$	1.6
Mass bearing	109 kg