

# BS2-2220-2RS5/VT143 SKF

## Fatigue load limit $P_u$ 49 kN

### 180x100x55mm Spherical roller bearings

Bearing number	BS2-2220-2RS5/VT143
Size (mm)	180x100x55
Brand	SKF
Bore Diameter (mm)	180
Outer Diameter (mm)	100
Width (mm)	55
d	100 mm
D	180 mm
B	55 mm
$d_2$	114 mm
$D_1$	163 mm
b	8.3 mm
K	4.5 mm
$r_{1,2} - \text{min.}$	2.1 mm
$d_a - \text{min.}$	112 mm
$d_a - \text{max.}$	114 mm
$D_a - \text{max.}$	168 mm
$r_a - \text{max.}$	2 mm
Basic dynamic load rating – C	433 kN
Basic static load rating – $C_0$	490 kN
Fatigue load limit – $P_u$	49 kN

Limiting speed	1600 r/min
Calculation factor – e	0.24
Calculation factor – $Y_1$	2.8
Calculation factor – $Y_2$	4.2
Calculation factor – $Y_0$	2.8
$d_2 \approx$	114 mm
$D_1 \approx$	163 mm
$r_{1,2}$ min.	2.1 mm
$d_a$ min.	112 mm
$d_a$ max.	114 mm
$D_a$ max.	168 mm
$r_a$ max.	2 mm
Basic dynamic load rating C	433 kN
Basic static load rating $C_0$	490 kN
Fatigue load limit $P_u$	49 kN
Calculation factor e	0.24
Calculation factor $Y_1$	2.8
Calculation factor $Y_2$	4.2
Calculation factor $Y_0$	2.8
Mass bearing	5.5 kg