

# BS2-2210-2RSK/VT143 SKF

## Calculation factor Y1 2.8

### 90x50x28mm Spherical roller bearings

Bearing number	BS2-2210-2RSK/VT143
Size (mm)	90x50x28
Brand	SKF
Bore Diameter (mm)	90
Outer Diameter (mm)	50
Width (mm)	28
d	50 mm
D	90 mm
B	28 mm
$d_2$	58.1 mm
$D_1$	82.3 mm
b	6 mm
K	3 mm
$r_{1,2} - \text{min.}$	1.1 mm
$d_a - \text{min.}$	55 mm
$d_a - \text{max.}$	58 mm
$D_a - \text{max.}$	83 mm
$r_a - \text{max.}$	1 mm
Basic dynamic load rating – C	107 kN
Basic static load rating – $C_0$	108 kN
Fatigue load limit – $P_u$	12 kN

Limiting speed	3200 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
Category	Roller Bearings
BDI Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
EAN	7316576830754
Product Group – BDI	B04311
$d_2 \approx$	58.1 mm
$D_1 \approx$	82.3 mm
$r_{1,2} \text{ min.}$	1.1 mm
$D_a \text{ max.}$	83 mm
$r_a \text{ max.}$	1 mm
Basic dynamic load rating C	107 kN
Basic static load rating $C_0$	108 kN
Fatigue load limit $P_u$	11.8 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	0.7 kg
Recommended lock nut tightening angle $\alpha$	130 °