

# BS2-2213-2RS/VT143 SKF

## Calculation factor – Y0 2.8

### 120x65x38mm Spherical roller bearings

Bearing number	BS2-2213-2RS/VT143
Size (mm)	120x65x38
Brand	SKF
Bore Diameter (mm)	120
Outer Diameter (mm)	65
Width (mm)	38
d	65 mm
D	120 mm
B	38 mm
$d_2$	76.5 mm
$D_1$	110 mm
b	6 mm
K	3 mm
$r_{1,2} - \text{min.}$	1.5 mm
$d_a - \text{min.}$	74 mm
$d_a - \text{max.}$	76.5 mm
$D_a - \text{max.}$	111 mm
$r_a - \text{max.}$	1.5 mm
Basic dynamic load rating – C	198 kN
Basic static load rating – $C_0$	208 kN
Fatigue load limit – $P_u$	23.2 kN

Limiting speed	2400 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	1.75
EAN	7316576193088
Product Group – BDI	B04311
$d_2 \approx$	76.5 mm
$D_1 \approx$	110 mm
$r_{1,2} \text{ min.}$	1.5 mm
$d_a \text{ min.}$	74 mm
$d_a \text{ max.}$	76.5 mm
$D_a \text{ max.}$	111 mm
$r_a \text{ max.}$	1.5 mm
Basic dynamic load rating C	198 kN
Basic static load rating $C_0$	216 kN
Fatigue load limit $P_u$	24 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	1.6 kg