

# BS2-2209-2RS/VT143 SKF d2 52.5 mm 85x45x28mm Spherical roller bearings

Category	Roller Bearings
BDI Inventory	17.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
UNSPSC	31171510
Weight / Kilogram	0.685
EAN	7316574442478
Product Group – BDI	B04311
Bearing number	BS2-2209-2RS/VT143
Size (mm)	85x45x28
Brand	SKF
Bore Diameter (mm)	85
Outer Diameter (mm)	45
Width (mm)	28
d	45 mm
D	85 mm
B	28 mm
d <sub>2</sub>	52.5 mm
D <sub>1</sub>	77.8 mm
b	6 mm
K	3 mm
r <sub>1,2</sub> – min.	1.1 mm
d <sub>a</sub> – min.	52 mm

$d_a$ – max.	52.5 mm
$D_a$ – max.	78 mm
$r_a$ – max.	1 mm
Basic dynamic load rating – C	104 kN
Basic static load rating – $C_0$	100 kN
Fatigue load limit – $P_u$	10.8 kN
Limiting speed	3500 r/min
Calculation factor – e	0.26
Calculation factor – $Y_1$	2.6
Calculation factor – $Y_2$	3.9
Calculation factor – $Y_0$	2.5
$d_2 \approx$	52.5 mm
$D_1 \approx$	77.8 mm
$r_{1,2}$ min.	1.1 mm
$d_a$ min.	52 mm
$d_a$ max.	52.5 mm
$D_a$ max.	78 mm
$r_a$ max.	1 mm
Basic dynamic load rating C	104 kN
Basic static load rating $C_0$	98 kN
Fatigue load limit $P_u$	10.8 kN
Calculation factor e	0.26
Calculation factor $Y_1$	2.6
Calculation factor $Y_2$	3.9
Calculation factor $Y_0$	2.5
Mass bearing	0.66 kg