

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 ₂	52.5 mm
D ₁	77.8 mm
b	6 mm
K	3 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	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