

BS2-2208-2RS/VT143 SKF r1,2 min. 1.1 mm 80x40x28mm Spherical roller bearings

Bearing number	BS2-2208-2RS/VT143
Size (mm)	80x40x28
Brand	SKF
Bore Diameter (mm)	80
Outer Diameter (mm)	40
Width (mm)	28
d	40 mm
D	80 mm
B	28 mm
d_2	47.2 mm
D_1	72.8 mm
b	6 mm
K	3 mm
$r_{1,2} - \text{min.}$	1.1 mm
$d_a - \text{min.}$	47 mm
$d_a - \text{max.}$	47 mm
$D_a - \text{max.}$	73 mm
$r_a - \text{max.}$	1 mm
Basic dynamic load rating – C	98.5 kN
Basic static load rating – C_0	91.5 kN
Fatigue load limit – P_u	10 kN
Limiting speed	3900 r/min
Calculation factor – e	0.28

Calculation factor – Y_1	2.4
Calculation factor – Y_2	3.6
Calculation factor – Y_0	2.5
$d_2 \approx$	47.2 mm
$D_1 \approx$	72.8 mm
$r_{1,2} \text{ min.}$	1.1 mm
$d_a \text{ min.}$	47 mm
$d_a \text{ max.}$	47 mm
$D_a \text{ max.}$	73 mm
$r_a \text{ max.}$	1 mm
Basic dynamic load rating C	98.5 kN
Basic static load rating C_0	90 kN
Fatigue load limit P_u	9.8 kN
Calculation factor e	0.28
Calculation factor Y_1	2.4
Calculation factor Y_2	3.6
Calculation factor Y_0	2.5
Mass bearing	0.57 kg