

# WBB1-8709 SKF Mass bearing 0.0022 kg 20x15x3.5mm Deep groove ball bearings

Bearing number	WBB1-8709
Size (mm)	20x15x3.5
Brand	SKF
Bore Diameter (mm)	20
Outer Diameter (mm)	15
Width (mm)	3.5
d	15 mm
D	20 mm
B	3.5 mm
$d_1$	16.41 mm
$D_1$	18.79 mm
$r_{1,2} - \text{min.}$	0.15 mm
$d_a - \text{min.}$	16 mm
$d_a - \text{max.}$	16 mm
$D_a - \text{max.}$	19.5 mm
$r_a - \text{max.}$	0.15 mm
Basic dynamic load rating – C	0.527 kN
Basic static load rating – $C_0$	0.29 kN
Fatigue load limit – $P_u$	0.012 kN
Reference speed	67000 r/min
Limiting speed	43000 r/min
Calculation factor – $k_r$	0.015

Calculation factor – $f_0$	8.4
$d_1 \approx$	16.41 mm
$D_1 \approx$	18.79 mm
$r_{1,2} \text{ min.}$	0.15 mm
$d_a \text{ min.}$	16 mm
$D_a \text{ max.}$	19.5 mm
$r_a \text{ max.}$	0.15 mm
Basic dynamic load rating C	0.527 kN
Basic static load rating $C_0$	0.29 kN
Fatigue load limit $P_u$	0.012 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	8.4
Mass bearing	0.0022 kg