

# WBB1-8712 SKF $d_1 \approx 17.8$ mm 23x16x4.5mm Deep groove ball bearings

Bearing number	WBB1-8712
Size (mm)	23x16x4.5
Brand	SKF
Bore Diameter (mm)	23
Outer Diameter (mm)	16
Width (mm)	4.5
$d$	16 mm
$D$	23 mm
$B$	4.5 mm
$d_1$	17.8 mm
$D_2$	20.6 mm
$r_{1,2} - \text{min.}$	0.15 mm
$d_a - \text{min.}$	17 mm
$D_a - \text{max.}$	22 mm
$r_a - \text{max.}$	0.15 mm
Basic dynamic load rating – C	0.832 kN
Basic static load rating – $C_0$	0.585 kN
Fatigue load limit – $P_u$	0.027 kN
Reference speed	60000 r/min
Limiting speed	38000 r/min
Calculation factor – $k_r$	0.015
$d_1 \approx$	17.8 mm

$D_2 \approx$	20.6 mm
$r_{1,2} \text{ min.}$	0.15 mm
$d_a \text{ min.}$	17 mm
$D_a \text{ max.}$	22 mm
$r_a \text{ max.}$	0.15 mm
Basic dynamic load rating C	0.832 kN
Basic static load rating $C_0$	0.585 kN
Fatigue load limit $P_u$	0.027 kN
Calculation factor $k_r$	0.015
Calculation factor $f_0$	15.6