

# WBB1-8712-2ZS SKF 23x16x4.5mm r<sub>1,2</sub> min. 0.15 mm Deep groove ball bearings

Bearing number	WBB1-8712-2ZS
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 <sub>1</sub>	17.8 mm
D <sub>2</sub>	20.6 mm
r <sub>1,2</sub> – min.	0.15 mm
d <sub>a</sub> – min.	17 mm
d <sub>a</sub> – max.	17.5 mm
D <sub>a</sub> – max.	22 mm
r <sub>a</sub> – max.	0.15 mm
Basic dynamic load rating – C	0.832 kN
Basic static load rating – C <sub>0</sub>	0.585 kN
Fatigue load limit – P <sub>u</sub>	0.027 kN
Reference speed	60000 r/min
Limiting speed	30000 r/min
Calculation factor – k <sub>r</sub>	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
$d_a \text{ max.}$	17.5 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