

# WBB1-8705-2RS1 SKF Fatigue load limit Pu 0.004 kN 5x10x4mm Deep groove ball bearings

Bearing number	WBB1-8705-2RS1
Size (mm)	5x10x4
Brand	SKF
Bore Diameter (mm)	5
Outer Diameter (mm)	10
Width (mm)	4
d	5 mm
D	10 mm
B	4 mm
C	4 mm
Weight	0.0012 Kg
Basic dynamic load rating (C)	0.247 kN
Basic static load rating (C0)	0.085 kN
Fatigue load limit (Pu)	0.004
$d_1 \approx$	6 mm
$D_2 \approx$	8.4 mm
$r_{1,2} \text{ min.}$	0.15 mm
$d_a \text{ min.}$	5.9 mm
$d_a \text{ max.}$	5.9 mm
$D_a \text{ max.}$	8.8 mm
$r_a \text{ max.}$	0.15 mm
Basic dynamic load rating C	0.247 kN

Basic static load rating $C_0$	0.085 kN
Fatigue load limit $P_u$	0.004 kN
Limiting speed	38000 r/min
Calculation factor $k_r$	0.015
Calculation factor $f_0$	7.6
Mass bearing	0.0012 kg