

# WBB1-8704 SKF Mass bearing 0.0007 kg 3x9x2.5mm Deep groove ball bearings

Bearing number	WBB1-8704
Size (mm)	3x9x2.5
Brand	SKF
Bore Diameter (mm)	3
Outer Diameter (mm)	9
Width (mm)	2.5
d	3 mm
D	9 mm
B	2.5 mm
C	2.5 mm
Weight	0.00075 Kg
Basic dynamic load rating (C)	0.325 kN
Basic static load rating (C <sub>0</sub> )	0.095 kN
Fatigue load limit (P <sub>u</sub> )	0.004
Reference speed	140 000 r/min
d <sub>1</sub> ≈	4.86 mm
D <sub>1</sub> ≈	7.2 mm
r <sub>1,2</sub> min.	0.2 mm
d <sub>a</sub> min.	3.8 mm
D <sub>a</sub> max.	7.4 mm
r <sub>a</sub> max.	0.2 mm
Basic dynamic load rating C	0.325 kN
Basic static load rating C <sub>0</sub>	0.095 kN

Fatigue load limit $P_u$	0.004 kN
Limiting speed	90000 r/min
Calculation factor $k_r$	0.03
Calculation factor $f_0$	6.4
Mass bearing	0.0007 kg