



# SKF BEARING MANUFACTURING CO.,LTD.

45 mm x 58 mm x 7 mm SKF W 61809 R-2Z  
deep groove ball bearings

Bearing No. W 61809 R-2Z

Size	45x58x7 mm
Bore Diameter	45 mm
Outer Diameter	58 mm
Width	7 mm
d	45 mm
D	58 mm
B	7 mm
C	7 mm
C	1,5 mm
D3	61 mm
Weight	0,0453 Kg
Basic dynamic load rating (C)	4,94 kN
Basic static load rating (C0)	5 kN
Fatigue load limit (Pu)	0,212
Reference speed	24 000 r/min
d <sub>1</sub>	48.2 mm
D <sub>2</sub>	54.96 mm
D <sub>3</sub>	61 mm
r <sub>1,2</sub> min.	0.3 mm
d <sub>a</sub> min.	47 mm
r <sub>a</sub> max.	0.3 mm
Basic dynamic load rating C	4.94 kN
Basic static load rating C <sub>0</sub>	5 kN
Fatigue load limit P <sub>u</sub>	0.212 kN
Limiting speed	12000 r/min
Calculation factor k <sub>r</sub>	0.02



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Calculation factor $f_0$	15.1
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