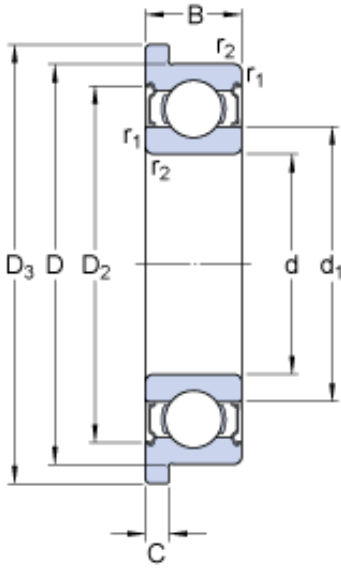




# FML ske Manufacturing Co., Ltd



## 2 mm x 5 mm x 2.3 mm SKF W 638/2 R-2Z deep groove ball bearings

Bearing No. W 638/2 R-2Z

W 638/2 R-2Z Bearing 2D drawings and 3D CAD models

Size	5x2x2.3 mm
Bore Diameter	5 mm
Outer Diameter	2 mm
Width	2,3 mm
d	2 mm
D	5 mm
B	2.3 mm
d <sub>1</sub>	2.7 mm
D <sub>2</sub>	4.4 mm
D <sub>3</sub>	6.1 mm
C	0.6 mm
r <sub>1,2</sub> - min.	0.08 mm
d <sub>a</sub> - min.	2.52 mm
r <sub>a</sub> - max.	0.08 mm
Basic dynamic load rating - C	0.094 kN
Basic static load rating - C <sub>0</sub>	0.025 kN
Fatigue load limit - P <sub>u</sub>	0.001 kN
Reference speed	200000 r/min
Limiting speed	100000 r/min
Calculation factor - k <sub>r</sub>	0.02
Calculation factor - f <sub>0</sub>	6.5
d <sub>1</sub>	2.7 mm
D <sub>2</sub>	4.4 mm
D <sub>3</sub>	6.1 mm



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$r_{1,2}$ min.	0.08 mm
$d_a$ min.	2.5 mm
$d_a$ max.	2.6 mm
$r_a$ max.	0.08 mm
Basic dynamic load rating C	0.094 kN
Basic static load rating $C_0$	0.025 kN
Fatigue load limit $P_u$	0.001 kN
Calculation factor $k_r$	0.02
Calculation factor $f_0$	6.5
Mass bearing	0.0002 kg