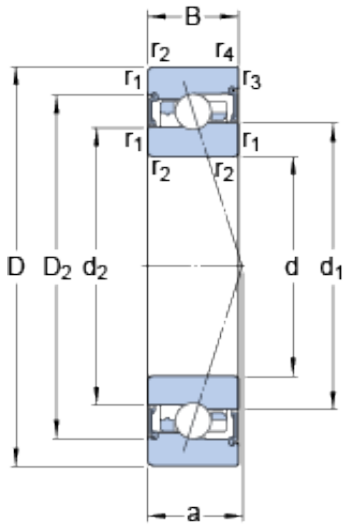




Air Suspension Bearing Co., Ltd



55 mm x 90 mm x 18 mm SKF S7011 FW/HC angular contact ball bearings

Bearing No. S7011 FW/HC

S7011 FW/HC Bearing 2D drawings and 3D CAD models

Size	90x55x18 mm
Bore Diameter	90 mm
Outer Diameter	55 mm
Width	18 mm
d	55 mm
D	90 mm
B	18 mm
d ₁	67.73 mm
d ₂	65.6 mm
D ₂	80.4 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	20.8 mm
d _a - min.	61 mm
d _a - max.	67.1 mm
d _b - min.	61 mm
d _b - max.	65 mm
D _a - max.	84 mm
D _b - max.	85.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	16.5 kN
Basic static load rating - C ₀	12 kN
Fatigue load limit - P _u	0.51 kN



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Limiting speed for grease lubrication	22000 r/min
Ball - D_w	7.938 mm
Ball - z	24
Calculation factor - e	0.57
Calculation factor - Y_2	1
Calculation factor - Y_0	0.42
Calculation factor - X_2	0.43
Calculation factor - Y_1	1.09
Calculation factor - Y_2	1.63
Calculation factor - Y_0	0.84
Calculation factor - X_2	0.7
d_1	67.73 mm
d_2	65.6 mm
D_2	80.4 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	61 mm
d_a max.	67.1 mm
d_b min.	61 mm
d_b max.	65 mm
D_a max.	84 mm
D_b max.	85.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	16.5 kN
Basic static load rating C_0	12 kN
Fatigue load limit P_u	0.51 kN
Attainable speed for grease lubrication	22000 r/min
Ball diameter D_w	7.938 mm
Number of balls z	24



Air Suspension Bearing Co., Ltd

Calculation factor e	0.57
Calculation factor (single, tandem) Y_2	1
Calculation factor (single, tandem) Y_0	0.42
Calculation factor (single, tandem) X_2	0.43
Calculation factor (back-to-back, face-to-face) Y_1	1.09
Calculation factor (back-to-back, face-to-face) Y_2	1.63
Calculation factor (back-to-back, face-to-face) Y_0	0.84
Calculation factor (back-to-back, face-to-face) X_2	0.7
Mass bearing	0.37 kg