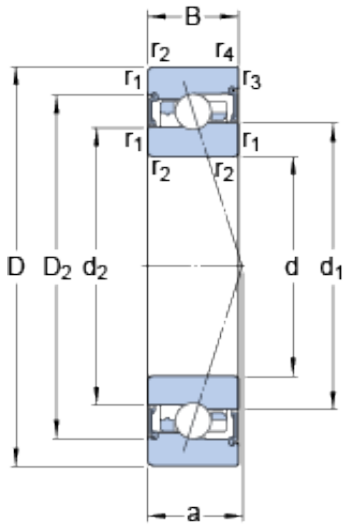




NTN BEARING CORP.OF AMERICA



30 mm x 55 mm x 13 mm SKF S7006 FW/HC
angular contact ball bearings

Bearing No. S7006 FW/HC

S7006 FW/HC Bearing 2D drawings and 3D CAD models

Size	55x30x13 mm
Bore Diameter	55 mm
Outer Diameter	30 mm
Width	13 mm
d	30 mm
D	55 mm
B	13 mm
d ₁	38.2 mm
d ₂	36.4 mm
D ₂	48.1 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
a	13.3 mm
d _a - min.	34.6 mm
d _a - max.	37.8 mm
d _b - min.	34.6 mm
d _b - max.	36 mm
D _a - max.	50.4 mm
D _b - max.	50.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	9.2 kN
Basic static load rating - C ₀	5.2 kN
Fatigue load limit - P _u	0.22 kN



NTN BEARING CORP.OF AMERICA

Limiting speed for grease lubrication	41000 r/min
Ball - D_w	6.35 mm
Ball - z	17
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	38.2 mm
d_2	36.4 mm
D_2	48.1 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	34.6 mm
d_a max.	37.8 mm
d_b min.	34.6 mm
d_b max.	36 mm
D_a max.	50.4 mm
D_b max.	50.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	9.23 kN
Basic static load rating C_0	5.2 kN
Fatigue load limit P_u	0.22 kN
Attainable speed for grease lubrication	41000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	17



NTN BEARING CORP.OF AMERICA

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	0.11 kg