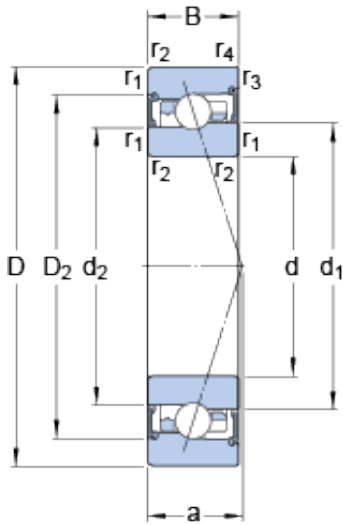




SKF DRIVESHAFT CORP



45 mm x 75 mm x 16 mm skf S7009 FW/HC Super-precision Angular contact ball bearings

Bearing No. S7009 FW/HC

S7009 FW/HC Bearing 2D drawings and 3D CAD models

Size	75x45x16 mm
Bore Diameter	75 mm
Outer Diameter	45 mm
Width	16 mm
d	45 mm
D	75 mm
B	16 mm
d ₁	55.7 mm
d ₂	53.6 mm
D ₂	66.85 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
a	17.7 mm
d _a - min.	49.6 mm
d _a - max.	55.1 mm
d _b - min.	49.6 mm
d _b - max.	53 mm
D _a - max.	70.4 mm
D _b - max.	70.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	12.7 kN
Basic static load rating - C ₀	8.5 kN
Fatigue load limit - P _u	0.355 kN



SKF DRIVESHAFT CORP

Limiting speed for grease lubrication	28000 r/min
Ball - D_w	7.144 mm
Ball - z	21
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	55.7 mm
d_2	53.6 mm
D_2	66.85 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	49.6 mm
d_a max.	55.1 mm
d_b min.	49.6 mm
d_b max.	53 mm
D_a max.	70.4 mm
D_b max.	70.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	12.7 kN
Basic static load rating C_0	8.5 kN
Fatigue load limit P_u	0.355 kN
Attainable speed for grease lubrication	28000 r/min
Ball diameter D_w	7.144 mm
Number of balls z	21



SKF DRIVESHAFT CORP

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	0.23 kg