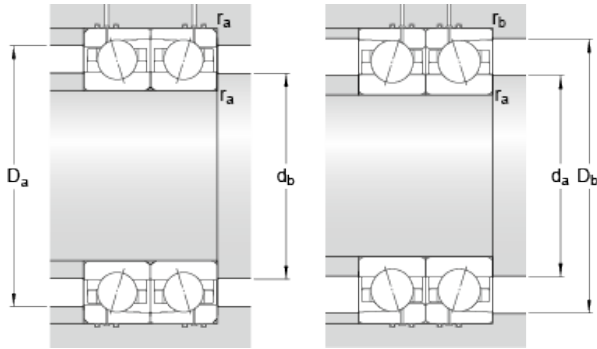




ROLLWAY BEARING Sales Co., Ltd.



7012 CD/HCP4AH1 SKF High Speed Angular Contact Ball Bearings

Bearing No. 7012 CD/HCP4AH1

7012 CD/HCP4AH1 Bearing 2D drawings and 3D CAD models

d	60 mm
D	95 mm
B	18 mm
d ₁	70.8 mm
d ₂	70.8 mm
D ₁	84.2 mm
K	0.5 mm
C ₁	4.88 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	19.4 mm
d _a min.	66 mm
d _b min.	66 mm
D _a max.	89 mm
D _b max.	91.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
d _n	73.1 mm
Basic dynamic load rating C	40.3 kN
Basic static load rating C ₀	34.5 kN
Fatigue load limit P _u	1.5 kN
Attainable speed for grease lubrication	17000 r/min
Attainable speed for oil-air lubrication	26000 r/min
Ball diameter D _w	11.112 mm



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Number of balls z	19
Reference grease quantity G_{ref}	5.4 cm ³
Preload class A G_A	150 N
Static axial stiffness, preload class A	77 N/ μ m
Preload class B G_B	300 N
Static axial stiffness, preload class B	105 N/ μ m
Preload class C G_C	600 N
Static axial stiffness, preload class C	148 N/ μ m
Preload class D G_D	1200 N
Static axial stiffness, preload class D	214 N/ μ m
Calculation factor f	1.12
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1.02
Calculation factor f_0	15.4
Mass bearing	0.34 kg