



85 mm x 130 mm x 22 mm a SKF 7017 CD/P4AL Double-Row Angular Contact Ball Bearings

Bearing No. 7017 CD/P4AL

7017 CD/P4AL Bearing 2D drawings and 3D CAD models

d	85 mm
D	130 mm
B	22 mm
d ₁	98.9 mm
d ₂	98.9 mm
D ₁	116.1 mm
b	2.8 mm
C ₁	11.1 mm
C ₂	4.4 mm
C ₃	3.8 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	25.5 mm
d _a min.	91 mm
d _b min.	91 mm
D _a max.	124 mm
D _b max.	126 mm
r _a max.	1 mm
r _b max.	0.6 mm
d _n	101.9 mm
Basic dynamic load rating C	67.6 kN
Basic static load rating C ₀	65.5 kN
Fatigue load limit P _u	2.65 kN
Attainable speed for grease lubrication	10000 r/min



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Attainable speed for oil-air lubrication	16000 r/min
Ball diameter D_w	14.288 mm
Number of balls z	21
Reference grease quantity G_{ref}	11.7 cm ³
Preload class A G_A	250 N
Static axial stiffness, preload class A	97 N/ μ m
Preload class B G_B	500 N
Static axial stiffness, preload class B	132 N/ μ m
Preload class C G_C	1000 N
Static axial stiffness, preload class C	185 N/ μ m
Preload class D G_D	2000 N
Static axial stiffness, preload class D	268 N/ μ m
Calculation factor f	1.15
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
Calculation factor f_0	15.7
Mass bearing	0.9 kg