



100 mm x 140 mm x 20 mm d2 SKF 71920 CD/P4AL Double-Row Angular Contact Ball Bearings

Bearing No. 71920 CD/P4AL

71920 CD/P4AL Bearing 2D drawings and 3D CAD models

d	100 mm
D	140 mm
B	20 mm
d ₁	112.3 mm
d ₂	112.3 mm
D ₁	127.7 mm
b	2.3 mm
C ₁	10.9 mm
C ₂	4 mm
C ₃	3.3 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	26.1 mm
d _a min.	106 mm
d _b min.	106 mm
D _a max.	134 mm
D _b max.	136 mm
r _a max.	1 mm
r _b max.	0.6 mm
d _n	115.6 mm
Basic dynamic load rating C	60.5 kN
Basic static load rating C ₀	65.5 kN
Fatigue load limit P _u	2.55 kN
Attainable speed for grease lubrication	8500 r/min



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Attainable speed for oil-air lubrication	14000 r/min
Ball diameter D_w	12.7 mm
Number of balls z	26
Reference grease quantity G_{ref}	10.5 cm ³
Preload class A G_A	230 N
Static axial stiffness, preload class A	107 N/ μ m
Preload class B G_B	460 N
Static axial stiffness, preload class B	147 N/ μ m
Preload class C G_C	920 N
Static axial stiffness, preload class C	209 N/ μ m
Preload class D G_D	1840 N
Static axial stiffness, preload class D	306 N/ μ m
Calculation factor f	1.23
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.09
Calculation factor f_{2D}	1.15
Calculation factor f_{HC}	1
Calculation factor f_0	16.3
Mass bearing	0.8 kg