



Bearing No. 71801 ACD/P4

a	6.4 mm
d	12 mm
D	21 mm
B	5 mm
C	5 mm
dh	15,4 mm
D2	- mm
d1	15,1 mm
d2	15,1 mm
D1	18,1 mm
Db max	20,2 mm
db min	14 mm
Weight	0,006 Kg
rb max.	0,15 mm
ra max.	0,3 mm
Da max.	19 mm
r4 min.	0,15 mm
da min.	14 mm
r3 min.	0,15 mm
r2 min.	0,3 mm
r1 min.	0,3 mm
Size (mm)	12x21x5
Width (mm)	5
Mass bearing	0.006 kg
d ₁	15.1 mm
d _n	15.4 mm
D ₁	18.1 mm
d ₂	15.1 mm
Bearing number	71801 ACD/P4
Number of balls z	14

d_a min.	14 mm
d_b min.	14 mm
D_a max.	19 mm
D_b max.	20.2 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
Bore Diameter (mm)	12
Outer Diameter (mm)	21
Calculation factor e	0.68
Calculation factor f	1.06
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
(Oil) Lubrication Speed	95 000 r/min
Fatigue load limit (Pu)	0,048
(Grease) Lubrication Speed	63 000 r/min
Ball diameter D_w	2.381 mm
Basic dynamic load rating C	1.95 kN
Basic dynamic load rating (C)	1,95 kN
Preload class A G_A	17 N
Preload class B G_B	53 N
Preload class C G_C	105 N
Basic static load rating (C0)	1,12 kN
Calculation factor f_1	0.97
Fatigue load limit P_u	0.048 kN
Calculation factor f_{HC}	1
Calculation factor f_{2C}	1.15
Calculation factor f_{2B}	1.08
Calculation factor f_{2A}	1
Basic static load rating C_0	1.12 kN

Static axial stiffness, preload class C	72 N/ μ m
Static axial stiffness, preload class B	54 N/ μ m
Static axial stiffness, preload class A	34 N/ μ m
Attainable speed for grease lubrication	63000 r/min
Attainable speed for oil-air lubrication	95000 r/min
Reference grease quantity G_{ref}	0.07 cm ³
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67