



90 mm x 125 mm x 18 mm d2 SKF 71918 ACD/P4AH1 Double-Row Angular Contact Ball Bearings

Bearing No. 71918 ACD/P4AH1

71918 ACD/P4AH1 Bearing 2D drawings and 3D CAD models

d	90 mm
D	125 mm
B	18 mm
d ₁	100.8 mm
d ₂	100.8 mm
D ₁	114.2 mm
K	0.5 mm
C ₁	5.2 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	34.2 mm
d _a min.	96 mm
d _b min.	96 mm
D _a max.	119 mm
D _b max.	121 mm
r _a max.	1 mm
r _b max.	0.6 mm
d _n	103.3 mm
Basic dynamic load rating C	44.2 kN
Basic static load rating C ₀	48 kN
Fatigue load limit P _u	1.96 kN
Attainable speed for grease lubrication	8500 r/min
Attainable speed for oil-air lubrication	14000 r/min



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Ball diameter D_w	11.112 mm
Number of balls z	26
Reference grease quantity G_{ref}	7.5 cm ³
Preload class A G_A	280 N
Static axial stiffness, preload class A	224 N/ μ m
Preload class B G_B	560 N
Static axial stiffness, preload class B	293 N/ μ m
Preload class C G_C	1120 N
Static axial stiffness, preload class C	392 N/ μ m
Preload class D G_D	2240 N
Static axial stiffness, preload class D	536 N/ μ m
Calculation factor f	1.23
Calculation factor f_1	0.98
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{2D}	1.14
Calculation factor f_{HC}	1
Calculation factor e	0.68
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



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Calculation factor (back-to-back, face-to-face) X_2	0.67
Mass bearing	0.55 kg