



SKF 71918 CE/P4AH1 Angular Contact Ball Bearings, Super-Precision

Bearing No. 71918 CE/P4AH1

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

d	90 mm
D	125 mm
B	18 mm
d ₁	101 mm
d ₂	97.9 mm
D ₁	114.22 mm
K	0.5 mm
C ₁	5.48 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	24.4 mm
d _a min.	96 mm
d _b min.	93.2 mm
D _a max.	119 mm
D _b max.	121.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
d _n	103.5 mm
Basic dynamic load rating C	30.2 kN
Basic static load rating C ₀	24.5 kN
Fatigue load limit P _u	0.965 kN
Attainable speed for grease lubrication	14500 r/min
Attainable speed for oil-air lubrication	22000 r/min
Ball diameter D _w	11.112 mm



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Number of balls z	24
Reference grease quantity G_{ref}	7 cm^3
Preload class A G_A	163 N
Static axial stiffness, preload class A	$65 \text{ N}/\mu\text{m}$
Preload class B G_B	488 N
Static axial stiffness, preload class B	$102 \text{ N}/\mu\text{m}$
Preload class C G_C	977 N
Static axial stiffness, preload class C	$141 \text{ N}/\mu\text{m}$
Calculation factor f	1.19
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1
Calculation factor f_0	8.5
Mass bearing	0.54 kg