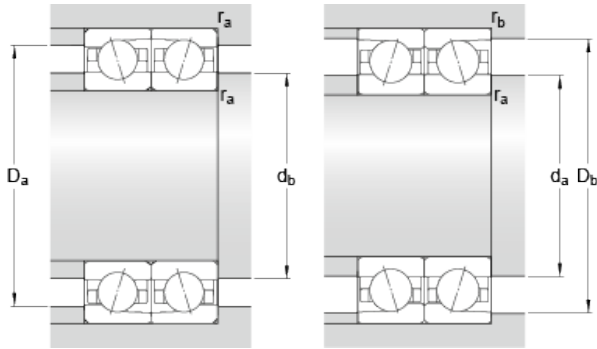




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SKF 71905 CDTP/P4B Angular Contact Ball Bearings, Super-Precision

Bearing No. 71905 CDTP/P4B

71905 CDTP/P4B Bearing 2D drawings and 3D CAD models

d	25 mm
D	42 mm
B	9 mm
d ₁	30.6 mm
d ₂	30.6 mm
D ₁	36.4 mm
r _{1,2} min.	0.3 mm
r _{3,4} min.	0.2 mm
a	9 mm
d _a min.	27 mm
d _b min.	27 mm
D _a max.	40 mm
D _b max.	40.6 mm
r _a max.	0.3 mm
r _b max.	0.2 mm
Basic dynamic load rating C	6.76 kN
Basic static load rating C ₀	4 kN
Fatigue load limit P _u	0.17 kN
Attainable speed for grease lubrication	36000 r/min
Ball diameter D _w	4.762 mm
Number of balls z	18
Reference grease quantity G _{ref}	0.54 cm ³
Preload class A G _A	25 N
Static axial stiffness, preload	24 N/μm



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class A	
Preload class B G_B	50 N
Static axial stiffness, preload class B	32 N/ μ m
Preload class C G_C	100 N
Static axial stiffness, preload class C	44 N/ μ m
Preload class D G_D	200 N
Static axial stiffness, preload class D	62 N/ μ m
Calculation factor f	1.07
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	10.2
Mass bearing	0.042 kg