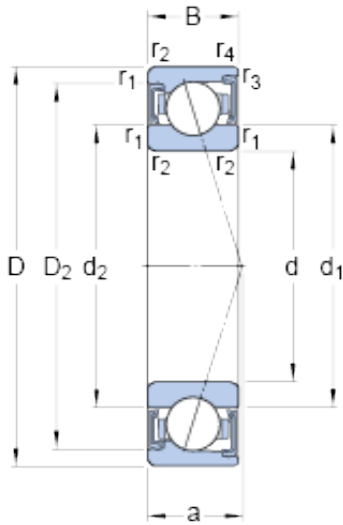




Jinan Kaiming Bearing Co., Ltd.



25 mm x 42 mm x 9 mm SKF S71905 CD/HCP4A angular contact ball bearings

Bearing No. S71905 CD/HCP4A

S71905 CD/HCP4A Bearing 2D drawings and 3D CAD models

Size	42x25x9 mm
Bore Diameter	42 mm
Outer Diameter	25 mm
Width	9 mm
d	25 mm
D	42 mm
B	9 mm
d ₁	30.6 mm
d ₂	30.6 mm
D ₂	39.15 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.2 mm
a	9 mm
d _a - min.	27 mm
d _a - max.	30.1 mm
d _b - min.	27 mm
d _b - max.	30.1 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	6.8 kN
Basic static load rating - C ₀	4 kN
Fatigue load limit - P _u	0.17 kN



Jinan Kaiming Bearing Co., Ltd.

Limiting speed for grease lubrication	45000 r/min
Ball - D_w	4.762 mm
Ball - z	18
Calculation factor - f_0	10.2
Preload class A - G_A	25 N
Preload class B - G_B	50 N
Preload class C - G_C	100 N
Preload class D - G_D	200 N
Calculation factor - f	1.07
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.07
Calculation factor - f_{2C}	1.12
Calculation factor - f_{2D}	1.18
Calculation factor - f_{HC}	1.04
Preload class A	27 N/micron
Preload class B	36 N/micron
Preload class C	49 N/micron
Preload class D	69 N/micron
d_1	30.6 mm
d_2	30.6 mm
D_2	39.15 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.2 mm
d_a min.	27 mm
d_a max.	30.1 mm
d_b min.	27 mm
d_b max.	30.1 mm
D_a max.	40 mm
D_b max.	40.6 mm



Jinan Kaiming Bearing Co., Ltd.

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	45000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	18
Preload class A G_A	25 N
Static axial stiffness, preload class A	27 N/ μ m
Preload class B G_B	50 N
Static axial stiffness, preload class B	36 N/ μ m
Preload class C G_C	100 N
Static axial stiffness, preload class C	49 N/ μ m
Preload class D G_D	200 N
Static axial stiffness, preload class D	69 N/ μ m
Calculation factor f	1.07
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.07
Calculation factor f_{2C}	1.12
Calculation factor f_{2D}	1.18
Calculation factor f_{HC}	1.04
Calculation factor f_0	10.2
Mass bearing	0.038 kg