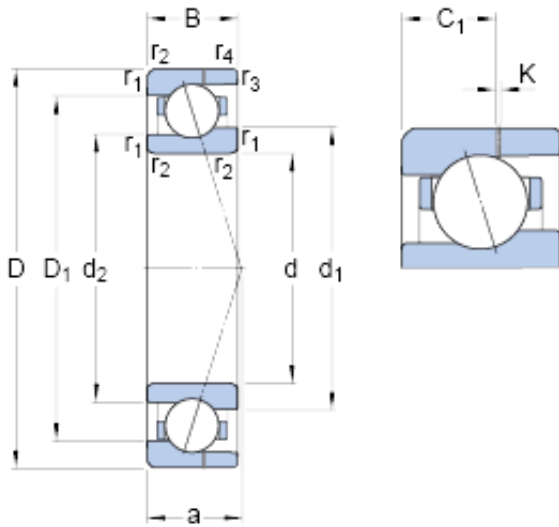




Jinan Shenglei Bearing Co., Ltd.



25 mm x 42 mm x 9 mm SKF 71905 CE/P4AH Angular contact ball bearing

Bearing No. 71905 CE/P4AH

71905 CE/P4AH 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	30.7 mm
d ₂	29.4 mm
D ₁	36.39 mm
K	0.5 mm
C ₁	5.45 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.15 mm
a	9.2 mm
d _a - min.	27 mm
d _b - min.	27 mm
D _a - max.	40 mm
D _b - max.	41.2 mm
r _a - max.	0.3 mm
r _b - max.	0.15 mm
d _n	31.8 mm
Basic dynamic load rating - C	5.3 kN
Basic static load rating - C ₀	2.8 kN



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Fatigue load limit - P_u	0.12 kN
Limiting speed for grease lubrication	49000 r/min
Limiting speed for oil lubrication	75000 mm/min
Ball - D_w	4.762 mm
Ball - z	16
G_{ref}	0.6 cm ³
Calculation factor - f_0	8.1
Preload class A - G_A	28 N
Preload class B - G_B	85 N
Preload class C - G_C	170 N
Calculation factor - f	1.06
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2C}	1.08
Calculation factor - f_{HC}	1
Preload class A	20 N/micron
Preload class B	32 N/micron
Preload class C	44 N/micron
d_1	30.7 mm
d_2	29.4 mm
D_1	36.39 mm
C_1	5.45 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
d_a min.	27 mm
d_b min.	27 mm
D_a max.	40 mm
D_b max.	41.2 mm



Jinan Shenglei Bearing Co., Ltd.

r_a max.	0.3 mm
r_b max.	0.15 mm
d_n	31.8 mm
Basic dynamic load rating C	5.27 kN
Basic static load rating C_0	2.85 kN
Fatigue load limit P_u	0.12 kN
Attainable speed for grease lubrication	49000 r/min
Attainable speed for oil-air lubrication	75000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	16
Reference grease quantity G_{ref}	0.6 cm ³
Preload class A G_A	28 N
Static axial stiffness, preload class A	20 N/ μ m
Preload class B G_B	85 N
Static axial stiffness, preload class B	32 N/ μ m
Preload class C G_C	170 N
Static axial stiffness, preload class C	44 N/ μ m
Calculation factor f	1.06
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	8.1
Mass bearing	0.04 kg