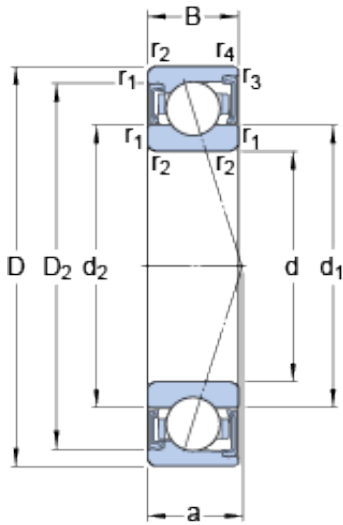




BEARING USA CORP.

12 mm x 24 mm x 6 mm SKF S71901 CD/HCP4A Angular contact ball bearings

Bearing No. S71901 CD/HCP4A



S71901 CD/HCP4A Bearing 2D drawings and 3D CAD models

Size	24x12x6 mm
Bore Diameter	12 mm
Outer Diameter	12 mm
Width	6 mm
d	12 mm
D	24 mm
B	6 mm
d ₁	16 mm
d ₂	16 mm
D ₂	21.8 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.2 mm
a	5.4 mm
d _a - min.	14 mm
d _a - max.	15.6 mm
d _b - min.	14 mm
d _b - max.	15.6 mm
D _a - max.	22 mm
D _b - max.	22.6 mm
r _a - max.	0.3 mm
r _b - max.	0.2 mm
Basic dynamic load rating - C	2.6 kN
Basic static load rating - C ₀	1.2 kN
Fatigue load limit - P _u	0.053 kN



BEARING USA CORP.

Limiting speed for grease lubrication	75000 r/min
Ball - D_w	3.175 mm
Ball - z	13
Calculation factor - f_0	9.8
Preload class A - G_A	10 N
Preload class B - G_B	20 N
Preload class C - G_C	40 N
Preload class D - G_D	80 N
Calculation factor - f	1.04
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	14 N/micron
Preload class B	19 N/micron
Preload class C	26 N/micron
Preload class D	37 N/micron
d_1	16 mm
d_2	16 mm
D_2	21.8 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.2 mm
d_a min.	14 mm
d_a max.	15.6 mm
d_b min.	14 mm
d_b max.	15.6 mm
D_a max.	22 mm
D_b max.	22.6 mm



BEARING USA CORP.

r_a max.	0.3 mm
r_b max.	0.2 mm
Basic dynamic load rating C	2.65 kN
Basic static load rating C_0	1.25 kN
Fatigue load limit P_u	0.053 kN
Attainable speed for grease lubrication	75000 r/min
Ball diameter D_w	3.175 mm
Number of balls z	13
Preload class A G_A	10 N
Static axial stiffness, preload class A	14 N/ μ m
Preload class B G_B	20 N
Static axial stiffness, preload class B	19 N/ μ m
Preload class C G_C	40 N
Static axial stiffness, preload class C	26 N/ μ m
Preload class D G_D	80 N
Static axial stiffness, preload class D	37 N/ μ m
Calculation factor f	1.04
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	9.8
Mass bearing	0.01 kg