



10 mm x 22 mm x 6 mm SKF S71900
CD/HCP4A angular contact ball bearings

Bearing No. S71900 CD/HCP4A

S71900 CD/HCP4A Bearing 2D drawings and 3D CAD models

Size	22x10x6 mm
Bore Diameter	22 mm
Outer Diameter	10 mm
Width	6 mm
d	10 mm
D	22 mm
B	6 mm
d ₁	14 mm
d ₂	14 mm
D ₂	19.8 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.2 mm
a	5.2 mm
d _a - min.	12 mm
d _a - max.	13.6 mm
d _b - min.	12 mm
d _b - max.	13.6 mm
D _a - max.	20 mm
D _b - max.	20.6 mm
r _a - max.	0.3 mm
r _b - max.	0.2 mm
Basic dynamic load rating - C	2.5 kN
Basic static load rating - C ₀	1.1 kN
Fatigue load limit - P _u	0.048 kN



Limiting speed for grease lubrication	80000 r/min
Ball - D_w	3.175 mm
Ball - z	12
Calculation factor - f_0	9.5
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	1.03
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	13 N/micron
Preload class B	18 N/micron
Preload class C	25 N/micron
Preload class D	35 N/micron
d_1	14 mm
d_2	14 mm
D_2	19.8 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.2 mm
d_a min.	12 mm
d_a max.	13.6 mm
d_b min.	12 mm
d_b max.	13.6 mm
D_a max.	20 mm
D_b max.	20.6 mm



r_a max.	0.3 mm
r_b max.	0.2 mm
Basic dynamic load rating C	2.51 kN
Basic static load rating C_0	1.1 kN
Fatigue load limit P_u	0.048 kN
Attainable speed for grease lubrication	80000 r/min
Ball diameter D_w	3.175 mm
Number of balls z	12
Preload class A G_A	10 N
Static axial stiffness, preload class A	13 N/ μ m
Preload class B G_B	20 N
Static axial stiffness, preload class B	18 N/ μ m
Preload class C G_C	40 N
Static axial stiffness, preload class C	25 N/ μ m
Preload class D G_D	80 N
Static axial stiffness, preload class D	35 N/ μ m
Calculation factor f	1.03
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	9.5
Mass bearing	0.009 kg