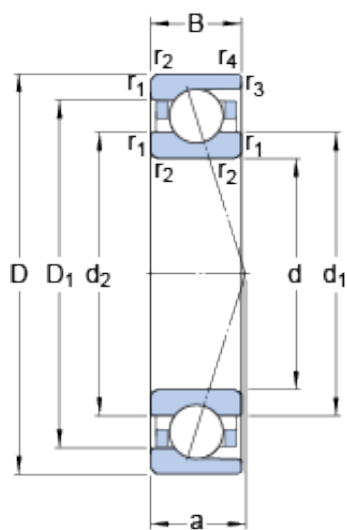




Bearing No. 71900 CD/HCP4A

D	22 mm
d	10 mm
B	6 mm
a	5.2 mm
Ball - z	12
Size (mm)	22x10x6
Width (mm)	6
Mass bearing	0.009 kg
d _n	14.8 mm
d _n	14.8 mm
D ₁	18 mm
d ₁	14 mm
d ₂	14 mm
D ₁	18 mm
d ₂	14 mm
d ₁	14 mm
Bearing number	71900 CD/HCP4A
Preload class A	13 N/micron
G _{ref}	0.12 cm3
Preload class C	25 N/micron
Preload class D	35 N/micron
Preload class B	18 N/micron
Number of balls z	12
r _b max.	0.2 mm
r _a max.	0.3 mm
D _b max.	20.6 mm
D _a max.	20 mm
d _a min.	12 mm
Bore Diameter (mm)	22

d_b min.	12 mm
Outer Diameter (mm)	10
d_a - min.	12 mm
r_a - max.	0.3 mm
$r_{1,2}$ min.	0.3 mm
Calculation factor f	1.03
D_b - max.	20.6 mm
$r_{3,4}$ min.	0.2 mm
D_a - max.	20 mm
Ball - D_w	3.175 mm
r_b - max.	0.2 mm
d_b - min.	12 mm
$r_{3,4}$ - min.	0.2 mm
$r_{1,2}$ - min.	0.3 mm
Calculation factor - f	1.03
Basic dynamic load rating C	2.51 kN
Ball diameter D_w	3.175 mm
Preload class C G_C	40 N
Preload class D G_D	80 N
Preload class B G_B	20 N
Preload class A G_A	10 N
Basic dynamic load rating - C	2.5 kN
Preload class D - G_D	80 N
Preload class C - G_C	40 N
Preload class B - G_B	20 N
Preload class A - G_A	10 N
Calculation factor f_1	1
Calculation factor f_0	9.5
Fatigue load limit P_u	0.048 kN
Calculation factor f_{HC}	1.04

Calculation factor f_{2D}	1.18
Calculation factor f_{2C}	1.12
Calculation factor f_{2B}	1.07
Calculation factor f_{2A}	1
Calculation factor - f	1
Fatigue load limit - P_u	0.048 kN
Limiting speed for oil lubrication	120000 mm/min
Calculation factor - f_0	9.5
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1.04
Calculation factor - f_{2C}	1.12
Calculation factor - f_{2B}	1.07
Calculation factor - f_{2D}	1.18
Limiting speed for grease lubrication	80000 r/min
Basic static load rating C_0	1.1 kN
Static axial stiffness, preload class D	35 N/ μ m
Static axial stiffness, preload class B	18 N/ μ m
Static axial stiffness, preload class A	13 N/ μ m
Attainable speed for grease lubrication	80000 r/min
Static axial stiffness, preload class C	25 N/ μ m
Basic static load rating - C_0	1.1 kN
Attainable speed for oil-air lubrication	120000 r/min
Reference grease quantity G_{ref}	0.12 cm ³

