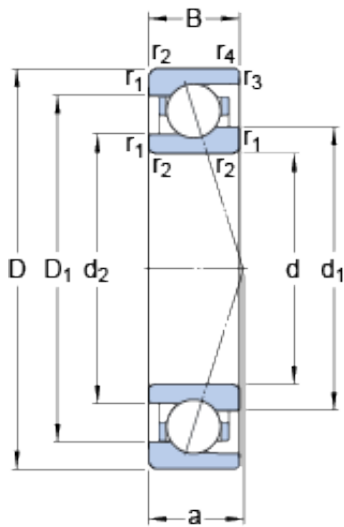




Bearing No. 71900 CE/HCP4A

D	22 mm
d	10 mm
B	6 mm
a	5.4 mm
Ball - z	11
Size (mm)	22x10x6
Width (mm)	6
Mass bearing	0.008 kg
d_n	14.8 mm
d_n	14.8 mm
D_1	17.92 mm
d_1	14 mm
d_2	13.26 mm
D_1	17.92 mm
d_2	13.26 mm
d_1	14 mm
Bearing number	71900 CE/HCP4A
Preload class A	11 N/micron
Preload class B	17 N/micron
Preload class C	24 N/micron
G_{ref}	0.1 cm ³
Number of balls z	11
D_a max.	20 mm
d_a min.	12 mm
d_b min.	12 mm
D_b max.	21.2 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
Bore Diameter (mm)	22

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.	21.2 mm
$r_{3,4}$ min.	0.15 mm
r_b - max.	0.15 mm
D_a - max.	20 mm
Ball - D_w	3.175 mm
d_b - min.	12 mm
Calculation factor - f	1.03
$r_{3,4}$ - min.	0.15 mm
$r_{1,2}$ - min.	0.3 mm
Basic dynamic load rating C	2.03 kN
Ball diameter D_w	3.175 mm
Preload class B G_B	32 N
Preload class A G_A	11 N
Basic dynamic load rating - C	2 kN
Preload class C G_C	65 N
Preload class A - G_A	11 N
Preload class C - G_C	65 N
Preload class B - G_B	32 N
Calculation factor f_1	1
Fatigue load limit P_u	0.034 kN
Calculation factor f_0	7.6
Calculation factor f_{2C}	1.09
Calculation factor f_{2B}	1.05
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1.01

Calculation factor - f	1
Fatigue load limit - P_u	0.034 kN
Calculation factor - f_0	7.6
Limiting speed for oil lubrication	185000 mm/min
Calculation factor - f_{2B}	1.05
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.09
Calculation factor - f_{HC}	1.01
Limiting speed for grease lubrication	123000 r/min
Basic static load rating C_0	0.815 kN
Static axial stiffness, preload class A	11 N/ μ m
Static axial stiffness, preload class B	17 N/ μ m
Static axial stiffness, preload class C	24 N/ μ m
Attainable speed for grease lubrication	123000 r/min
Attainable speed for oil-air lubrication	185000 r/min
Basic static load rating - C_0	0.815 kN
Reference grease quantity G_{ref}	0.1 cm ³