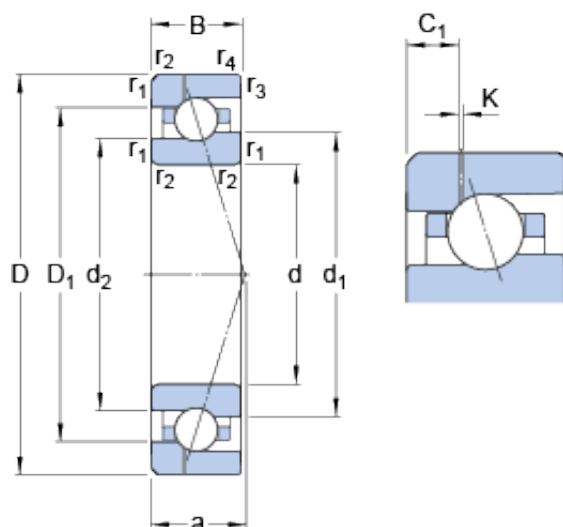




Bearing No. 7017 CE/HCP4AH1

K	0.5 mm
a	25.5 mm
d	85 mm
D	130 mm
B	22 mm
Ball - z	26
Size (mm)	85x130x22
Width (mm)	22
Mass bearing	0.81 kg
d_n	103.5 mm
D_1	114.12 mm
d_1	100.83 mm
C_1	7.27 mm
D_1	114.12 mm
d_2	98 mm
C_1	7.27 mm
d_1	100.83 mm
d_n	103.5 mm
d_2	98 mm
Bearing number	7017 CE/HCP4AH1
Preload class B	131 N/micron
Preload class C	180 N/micron
G_{ref}	12 cm ³
Preload class A	83 N/micron
Number of balls z	26
D_a max.	124 mm
d_a min.	91 mm
d_b min.	91 mm
D_b max.	125.8 mm

r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	85
Outer Diameter (mm)	130
r_b - max.	0.6 mm
$r_{1,2}$ min.	1.1 mm
d_a - min.	91 mm
Calculation factor f	1.11
r_a - max.	1 mm
$r_{3,4}$ min.	0.6 mm
d_b - min.	91 mm
Ball - D_w	11.112 mm
D_a - max.	124 mm
D_b - max.	125.8 mm
Calculation factor - f	1.11
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.1 mm
Basic dynamic load rating C	34.5 kN
Ball diameter D_w	11.112 mm
Preload class C G_C	1110 N
Preload class B G_B	560 N
Preload class A G_A	185 N
Basic dynamic load rating - C	34.5 kN
Preload class C - G_C	1110 N
Preload class A - G_A	185 N
Preload class B - G_B	560 N
Calculation factor f_1	1
Calculation factor f_0	9.5
Fatigue load limit P_u	1.2 kN
Calculation factor - f	1

Calculation factor f_{HC}	1.01
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.03
Calculation factor f_{2A}	1
Fatigue load limit - P_u	1.2 kN
Limiting speed for oil lubrication	26000 mm/min
Calculation factor - f_0	9.5
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.03
Calculation factor - f_{HC}	1.01
Calculation factor - f_{2A}	1
Limiting speed for grease lubrication	16500 r/min
Basic static load rating C_0	29 kN
Static axial stiffness, preload class C	180 N/ μ m
Static axial stiffness, preload class A	83 N/ μ m
Attainable speed for grease lubrication	16500 r/min
Static axial stiffness, preload class B	131 N/ μ m
Basic static load rating - C_0	29 kN
Attainable speed for oil-air lubrication	26000 r/min
Reference grease quantity G_{ref}	12 cm ³