



Bearing No. 7015 CE/HCP4AH1

K	0.5 mm
a	22.8 mm
d	75 mm
D	115 mm
B	20 mm
Ball - z	26
Size (mm)	115x75x20
Width (mm)	20
Mass bearing	0.59 kg
d_n	91.5 mm
D_1	100.72 mm
d_1	89.28 mm
C_1	6.73 mm
D_1	100.72 mm
d_2	86.8 mm
C_1	6.73 mm
d_1	89.28 mm
d_n	91.5 mm
d_2	86.8 mm
Bearing number	7015 CE/HCP4AH1
Preload class B	113 N/micron
Preload class C	156 N/micron
G_{ref}	8.6 cm3
Preload class A	72 N/micron
Number of balls z	26
D_a max.	109 mm
d_a min.	81 mm
d_b min.	81 mm
D_b max.	110.8 mm

r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	115
Outer Diameter (mm)	75
r_b - max.	0.6 mm
$r_{1,2}$ min.	1.1 mm
d_a - min.	81 mm
Calculation factor f	1.1
r_a - max.	1 mm
$r_{3,4}$ min.	0.6 mm
d_b - min.	81 mm
Ball - D_w	9.525 mm
D_a - max.	109 mm
D_b - max.	110.8 mm
Calculation factor - f	1.1
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.1 mm
Basic dynamic load rating C	26 kN
Ball diameter D_w	9.525 mm
Preload class C G_C	840 N
Preload class B G_B	420 N
Preload class A G_A	140 N
Basic dynamic load rating - C	26 kN
Preload class C - G_C	840 N
Preload class A - G_A	140 N
Preload class B - G_B	420 N
Calculation factor f_1	1
Calculation factor f_0	9.5
Fatigue load limit P_u	0.915 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	0.915 kN
Limiting speed for oil lubrication	29000 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	19000 r/min
Basic static load rating C_0	21.6 kN
Static axial stiffness, preload class C	156 N/ μ m
Static axial stiffness, preload class A	72 N/ μ m
Attainable speed for grease lubrication	19000 r/min
Static axial stiffness, preload class B	113 N/ μ m
Basic static load rating - C_0	21.6 kN
Attainable speed for oil-air lubrication	29000 r/min
Reference grease quantity G_{ref}	8.6 cm ³