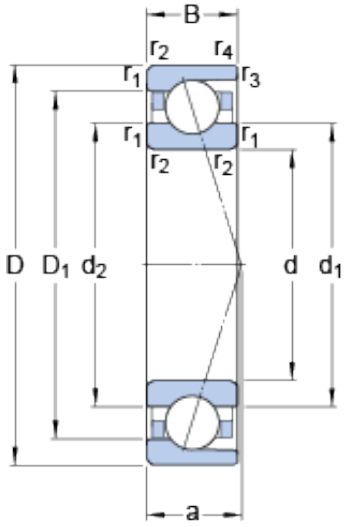
Loyal | 7206 ACD/HCP4A



Bearing No. 7206 ACD/HCP4A

D	62 mm
d	30 mm
B	16 mm
a	18.8 mm
Ball - z	13
Size (mm)	62x30x16
Width (mm)	16
Mass bearing	0.17 kg
d_n	42.7 mm
d_n	42.7 mm
D_1	51.8 mm
d_1	40.2 mm
d_2	40.2 mm
D_1	51.8 mm
d_2	40.2 mm
d_1	40.2 mm
Bearing number	7206 ACD/HCP4A
Preload class B	152 N/micron
Preload class A	116 N/micron
Preload class D	271 N/micron
Preload class C	201 N/micron
G_{ref}	2.769 cm3
Number of balls z	13
Bore Diameter (mm)	62
r_b max.	0.3 mm
r_a max.	1 mm
D_b max.	59.6 mm
D_a max.	56.4 mm
d_a min.	35.6 mm

d_b min.	35.6 mm
Outer Diameter (mm)	30
D_b - max.	59.6 mm
d_b - min.	35.6 mm
Ball - D_w	9.525 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
d_a - min.	35.6 mm
r_a - max.	1 mm
D_a - max.	56.4 mm
r_b - max.	0.3 mm
Calculation factor f	1.05
Calculation factor e	0.68
$r_{1,2}$ - min.	1 mm
$r_{3,4}$ - min.	0.3 mm
Calculation factor - e	0.68
Calculation factor - f	1.05
Ball diameter D_w	9.525 mm
Basic dynamic load rating C	23.4 kN
Preload class C G_C	600 N
Preload class B G_B	300 N
Preload class A G_A	150 N
Preload class D G_D	1200 N
Basic dynamic load rating - C	23.4 kN
Preload class B - G_B	300 N
Preload class D - G_D	1200 N
Preload class C - G_C	600 N
Preload class A - G_A	150 N
Fatigue load limit P_u	0.64 kN
Calculation factor f_1	0.99

Calculation factor f_{2A}	1
Calculation factor f_{2C}	1.03
Calculation factor f_{2B}	1.01
Calculation factor f_{2D}	1.06
Calculation factor f_{HC}	1.01
Calculation factor - X_2	0.67
Calculation factor - f_1	0.99
Calculation factor - Y_1	0.92
Limiting speed for oil lubrication	40000 mm/min
Calculation factor - Y_0	0.76
Fatigue load limit - P_u	0.64 kN
Calculation factor - Y_2	1.41
Calculation factor - f_{HC}	1.01
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2D}	1.06
Limiting speed for grease lubrication	26000 r/min
Basic static load rating C_0	15.3 kN
Static axial stiffness, preload class B	152 N/µm
Attainable speed for grease lubrication	26000 r/min
Static axial stiffness, preload class D	271 N/µm
Static axial stiffness, preload class C	201 N/µm
Static axial stiffness, preload class A	116 N/µm
Basic static load rating -	15.3 kN

C_0	
Attainable speed for oil-air lubrication	40000 r/min
Reference grease quantity G_{ref}	2.769 cm³
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67