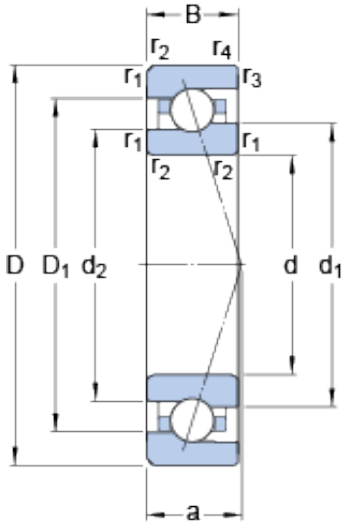
Loyal | 7017 ACE/P4A



Bearing No. 7017 ACE/P4A

D	130 mm
d	85 mm
B	22 mm
a	36.3 mm
Ball - z	26
Size (mm)	130x85x22
Width (mm)	22
Mass bearing	0.9 kg
d_n	103.5 mm
d_n	103.5 mm
D_1	114.12 mm
d_1	100.83 mm
d_2	98 mm
D_1	114.12 mm
d_2	98 mm
d_1	100.83 mm
Bearing number	7017 ACE/P4A
Preload class A	186 N/micron
G_{ref}	12 cm3
Preload class C	369 N/micron
Preload class B	281 N/micron
Number of balls z	26
Bore Diameter (mm)	130
r_b max.	0.6 mm
r_a max.	1 mm
D_b max.	125.8 mm
D_a max.	124 mm
d_a min.	91 mm
d_b min.	91 mm

Outer Diameter (mm)	85
D_b - max.	125.8 mm
d_a - min.	91 mm
Calculation factor e	0.68
Calculation factor f	1.11
r_b - max.	0.6 mm
D_a - max.	124 mm
r_a - max.	1 mm
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1.1 mm
Ball - D_w	11.112 mm
d_b - min.	91 mm
$r_{1,2}$ - min.	1.1 mm
$r_{3,4}$ - min.	0.6 mm
Calculation factor - e	0.68
Calculation factor - f	1.11
Basic dynamic load rating C	32.5 kN
Ball diameter D_w	11.112 mm
Preload class B G_B	890 N
Preload class C G_C	1780 N
Basic dynamic load rating - C	32.5 kN
Preload class A G_A	290 N
Preload class B - G_B	890 N
Preload class C - G_C	1780 N
Preload class A - G_A	290 N
Fatigue load limit P_u	1.14 kN
Calculation factor f_1	0.99
Calculation factor f_{2C}	1.06
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1

Calculation factor f_{2B}	1.03
Limiting speed for oil lubrication	20000 mm/min
Fatigue load limit - P_u	1.1 kN
Calculation factor - f_1	0.99
Calculation factor - Y_2	1.41
Calculation factor - X_2	0.67
Calculation factor - Y_1	0.92
Calculation factor - Y_0	0.76
Calculation factor - f_{HC}	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.06
Calculation factor - f_{2B}	1.03
Limiting speed for grease lubrication	13000 r/min
Basic static load rating C_0	28 kN
Static axial stiffness, preload class B	281 N/µm
Static axial stiffness, preload class A	186 N/µm
Attainable speed for grease lubrication	13000 r/min
Static axial stiffness, preload class C	369 N/µm
Basic static load rating - C_0	28 kN
Attainable speed for oil-air lubrication	20000 r/min
Reference grease quantity G_{ref}	12 cm³
Calculation factor (single, tandem) Y_2	0.87
Calculation factor	0.38

(single, tandem) Y_0	
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