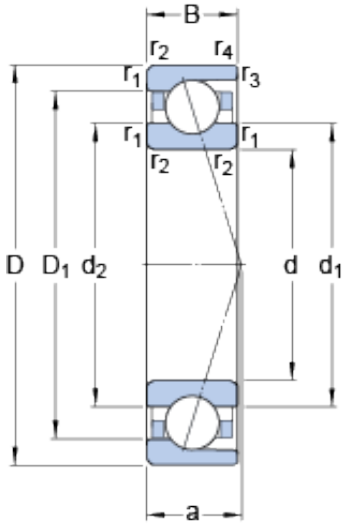
Loyal | 71802 ACD/P4



Bearing No. 71802 ACD/P4

D	24 mm
d	15 mm
B	5 mm
a	7.1 mm
Ball - z	17
Size (mm)	24x15x5
Width (mm)	5
Mass bearing	0.007 kg
d_n	18.4 mm
d_n	18.4 mm
D_1	21.1 mm
d_1	18.1 mm
d_2	18.1 mm
D_1	21.1 mm
d_2	18.1 mm
d_1	18.1 mm
Bearing number	71802 ACD/P4
Preload class A	40 N/micron
G_{ref}	0.08 cm3
Preload class C	85 N/micron
Preload class B	63 N/micron
Number of balls z	17
Bore Diameter (mm)	24
r_b max.	0.15 mm
r_a max.	0.3 mm
D_b max.	23.2 mm
D_a max.	22 mm
d_a min.	17 mm
d_b min.	17 mm

Outer Diameter (mm)	15
D_b - max.	23.2 mm
d_a - min.	17 mm
Calculation factor e	0.68
Calculation factor f	1.08
r_b - max.	0.15 mm
D_a - max.	22 mm
r_a - max.	0.3 mm
$r_{3,4}$ min.	0.15 mm
$r_{1,2}$ min.	0.3 mm
Ball - D_w	2.381 mm
d_b - min.	17 mm
$r_{1,2}$ - min.	0.3 mm
$r_{3,4}$ - min.	0.15 mm
Calculation factor - e	0.68
Calculation factor - f	1.08
Basic dynamic load rating C	2.16 kN
Ball diameter D_w	2.381 mm
Preload class B G_B	58 N
Preload class C G_C	115 N
Basic dynamic load rating - C	2.2 kN
Preload class A G_A	19 N
Preload class B - G_B	58 N
Preload class C - G_C	115 N
Preload class A - G_A	19 N
Fatigue load limit P_u	0.06 kN
Calculation factor f_1	0.97
Calculation factor f_{2C}	1.15
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1

Calculation factor f_{2B}	1.08
Limiting speed for oil lubrication	80000 mm/min
Fatigue load limit - P_u	0.06 kN
Calculation factor - f_1	0.97
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}	1.15
Calculation factor - f_{2B}	1.08
Limiting speed for grease lubrication	53000 r/min
Basic static load rating C_0	1.4 kN
Static axial stiffness, preload class B	63 N/µm
Static axial stiffness, preload class A	40 N/µm
Attainable speed for grease lubrication	53000 r/min
Static axial stiffness, preload class C	85 N/µm
Basic static load rating - C_0	1.4 kN
Attainable speed for oil-air lubrication	80000 r/min
Reference grease quantity G_{ref}	0.08 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