



Bearing No. 71803 ACD/P4

D	26 mm
d	17 mm
B	5 mm
a	7.5 mm
Ball - z	18
Size (mm)	26x17x5
Width (mm)	5
Mass bearing	0.01 kg
d _n	20.4 mm
d _n	20.4 mm
D ₁	23 mm
d ₁	20.1 mm
d ₂	20.1 mm
D ₁	23 mm
d ₂	20.1 mm
d ₁	20.1 mm
Bearing number	71803 ACD/P4
Preload class A	43 N/micron
G _{ref}	0.09 cm ³
Preload class C	90 N/micron
Preload class B	67 N/micron
Number of balls z	18
Bore Diameter (mm)	26
r _b max.	0.15 mm
r _a max.	0.3 mm
D _b max.	25.2 mm
D _a max.	24 mm
d _a min.	19 mm
d _b min.	19 mm

Outer Diameter (mm)	17
D_b - max.	25.2 mm
d_a - min.	19 mm
Calculation factor e	0.68
Calculation factor f	1.1
r_b - max.	0.15 mm
D_a - max.	24 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.	19 mm
$r_{1,2}$ - min.	0.3 mm
$r_{3,4}$ - min.	0.15 mm
Calculation factor - e	0.68
Calculation factor - f	1.1
Basic dynamic load rating C	2.21 kN
Ball diameter D_w	2.381 mm
Preload class B G_B	60 N
Preload class C G_C	120 N
Basic dynamic load rating - C	2.2 kN
Preload class A G_A	20 N
Preload class B - G_B	60 N
Preload class C - G_C	120 N
Preload class A - G_A	20 N
Fatigue load limit P_u	0.064 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	75000 mm/min
Fatigue load limit - P_u	0.064 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	48000 r/min
Basic static load rating C_0	1.53 kN
Static axial stiffness, preload class B	67 N/ μ m
Static axial stiffness, preload class A	43 N/ μ m
Attainable speed for grease lubrication	48000 r/min
Static axial stiffness, preload class C	90 N/ μ m
Basic static load rating - C_0	1.5 kN
Attainable speed for oil-air lubrication	75000 r/min
Reference grease quantity G_{ref}	0.09 cm ³
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