



**Bearing No. 71803 CD/P4**

D	26 mm
d	17 mm
B	5 mm
a	5.4 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 CD/P4
Preload class A	18 N/micron
Preload class B	31 N/micron
Preload class C	45 N/micron
$G_{ref}$	0.09 cm <sup>3</sup>
Number of balls z	18
$D_a$ max.	24 mm
$d_a$ min.	19 mm
$d_b$ min.	19 mm
$D_b$ max.	25.2 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.15 mm
Bore Diameter (mm)	26

Outer Diameter (mm)	17
$d_a$ - min.	19 mm
$r_a$ - max.	0.3 mm
$r_{1,2}$ min.	0.3 mm
Calculation factor f	1.1
$D_b$ - max.	25.2 mm
$r_{3,4}$ min.	0.15 mm
$r_b$ - max.	0.15 mm
$D_a$ - max.	24 mm
Ball - $D_w$	2.381 mm
$d_b$ - min.	19 mm
Calculation factor - f	1.1
$r_{3,4}$ - min.	0.15 mm
$r_{1,2}$ - min.	0.3 mm
Basic dynamic load rating C	2.34 kN
Ball diameter $D_w$	2.381 mm
Preload class B $G_B$	37 N
Preload class A $G_A$	12 N
Basic dynamic load rating - C	2.3 kN
Preload class C $G_C$	75 N
Preload class A - $G_A$	12 N
Preload class C - $G_C$	75 N
Preload class B - $G_B$	37 N
Calculation factor $f_1$	1
Fatigue load limit $P_u$	0.068 kN
Calculation factor $f_0$	16.2
Calculation factor $f_{2C}$	1.16
Calculation factor $f_{2B}$	1.09
Calculation factor $f_{2A}$	1
Calculation factor $f_{HC}$	1

Calculation factor - $f$	1
Fatigue load limit - $P_u$	0.068 kN
Calculation factor - $f_0$	16.2
Limiting speed for oil lubrication	85000 mm/min
Calculation factor - $f_{2B}$	1.09
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2C}$	1.16
Calculation factor - $f_{HC}$	1
Limiting speed for grease lubrication	53000 r/min
Basic static load rating $C_0$	1.6 kN
Static axial stiffness, preload class A	18 N/ $\mu$ m
Static axial stiffness, preload class B	31 N/ $\mu$ m
Static axial stiffness, preload class C	45 N/ $\mu$ m
Attainable speed for grease lubrication	53000 r/min
Attainable speed for oil-air lubrication	85000 r/min
Basic static load rating - $C_0$	1.6 kN
Reference grease quantity $G_{ref}$	0.09 cm <sup>3</sup>