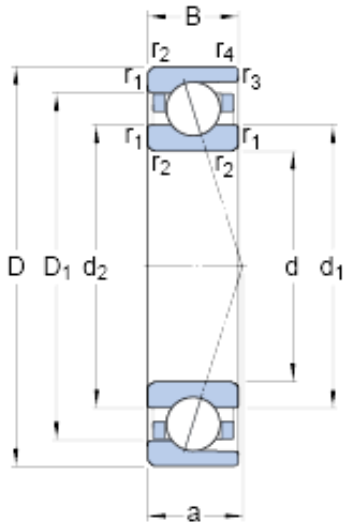




# BEARING USA CORP.

10 mm x 26 mm x 8 mm SKF 7000 ACD/P4A  
angular contact ball bearings

Bearing No. 7000 ACD/P4A



7000 ACD/P4A Bearing 2D drawings and 3D CAD models

Size	26x10x8 mm
Bore Diameter	26 mm
Outer Diameter	10 mm
Width	8 mm
d	10 mm
D	26 mm
B	8 mm
d <sub>1</sub>	15.1 mm
d <sub>2</sub>	15.1 mm
D <sub>1</sub>	20.9 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.2 mm
a	8.3 mm
d <sub>a</sub> - min.	12 mm
d <sub>b</sub> - min.	12 mm
D <sub>a</sub> - max.	24 mm
D <sub>b</sub> - max.	24.6 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.2 mm
d <sub>n</sub>	16 mm
Basic dynamic load rating - C	4 kN
Basic static load rating - C <sub>0</sub>	1.6 kN
Fatigue load limit - P <sub>u</sub>	0.067 kN
Limiting speed for grease	67000 r/min



## BEARING USA CORP.

Lubrication	
Limiting speed for oil lubrication	100000 mm/min
Ball - $D_w$	4.762 mm
Ball - $z$	9
$G_{ref}$	0.24 cm <sup>3</sup>
Calculation factor - $e$	0.68
Calculation factor - $Y_2$	0.87
Calculation factor - $Y_0$	0.38
Calculation factor - $X_2$	0.41
Calculation factor - $Y_1$	0.92
Calculation factor - $Y_2$	1.41
Calculation factor - $Y_0$	0.76
Calculation factor - $X_2$	0.67
Preload class A - $G_A$	25 N
Preload class B - $G_B$	50 N
Preload class C - $G_C$	100 N
Preload class D - $G_D$	200 N
Calculation factor - $f$	1.03
Calculation factor - $f_1$	0.99
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.02
Calculation factor - $f_{2C}$	1.05
Calculation factor - $f_{2D}$	1.08
Calculation factor - $f_{HC}$	1
Preload class A	32 N/micron
Preload class B	41 N/micron
Preload class C	54 N/micron
Preload class D	71 N/micron



## BEARING USA CORP.

Category	Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.019
EAN	7316570470703
Product Group	B00308
$d_1$	15.1 mm
$d_2$	15.1 mm
$D_1$	20.9 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.2 mm
$d_a$ min.	12 mm
$d_b$ min.	12 mm
$D_a$ max.	24 mm
$D_b$ max.	24.6 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.2 mm
$d_n$	16 mm
Basic dynamic load rating C	3.97 kN
Basic static load rating $C_0$	1.6 kN
Fatigue load limit $P_u$	0.067 kN
Attainable speed for grease lubrication	67000 r/min
Attainable speed for oil-air lubrication	100000 r/min
Ball diameter $D_w$	4.762 mm
Number of balls z	9
Reference grease quantity $G_{ref}$	0.24 cm <sup>3</sup>
Preload class A $G_A$	25 N
Static axial stiffness, preload class A	32 N/ $\mu$ m



## BEARING USA CORP.

Preload class B $G_B$	50 N
Static axial stiffness, preload class B	41 N/ $\mu$ m
Preload class C $G_C$	100 N
Static axial stiffness, preload class C	54 N/ $\mu$ m
Preload class D $G_D$	200 N
Static axial stiffness, preload class D	71 N/ $\mu$ m
Calculation factor $f$	1.03
Calculation factor $f_1$	0.99
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{2D}$	1.08
Calculation factor $f_{HC}$	1
Calculation factor $e$	0.68
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
Mass bearing	0.019 kg