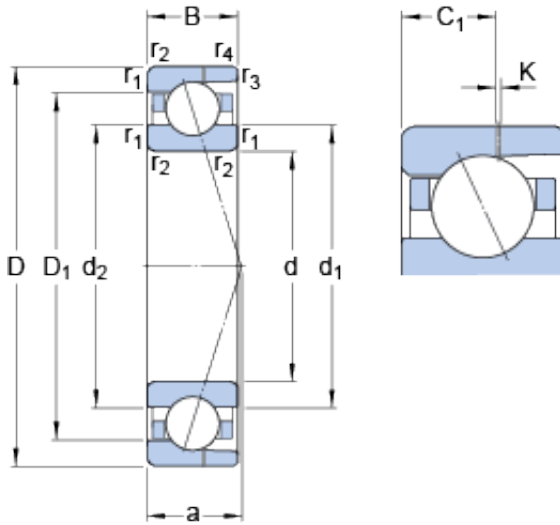




## Bearing import and Export Co., Ltd



15 mm x 32 mm x 9 mm SKF 7002 CD/P4AH  
angular contact ball bearings

Bearing No. 7002 CD/P4AH

7002 CD/P4AH Bearing 2D drawings and 3D CAD models

Size	32x15x9 mm
Bore Diameter	32 mm
Outer Diameter	15 mm
Width	9 mm
d	15 mm
D	32 mm
B	9 mm
d <sub>1</sub>	20.6 mm
d <sub>2</sub>	20.6 mm
D <sub>1</sub>	26.4 mm
K	0.5 mm
C <sub>1</sub>	5.35 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.2 mm
a	7.7 mm
d <sub>a</sub> - min.	17 mm
d <sub>b</sub> - min.	17 mm
D <sub>a</sub> - max.	30 mm
D <sub>b</sub> - max.	30.6 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.2 mm
d <sub>n</sub>	21.5 mm
Basic dynamic load rating - C	5.2 kN
Basic static load rating - C <sub>0</sub>	2.4 kN



## Bearing import and Export Co., Ltd

Fatigue load limit - $P_u$	0.104 kN
Limiting speed for grease lubrication	56000 r/min
Limiting speed for oil lubrication	85000 mm/min
Ball - $D_w$	4.762 mm
Ball - $z$	12
$G_{ref}$	0.39 cm <sup>3</sup>
Calculation factor - $f_0$	9.3
Preload class A - $G_A$	20 N
Preload class B - $G_B$	40 N
Preload class C - $G_C$	80 N
Preload class D - $G_D$	160 N
Calculation factor - $f$	1.03
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.02
Calculation factor - $f_{2C}$	1.05
Calculation factor - $f_{2D}$	1.09
Calculation factor - $f_{HC}$	1
Preload class A	17 N/micron
Preload class B	23 N/micron
Preload class C	31 N/micron
Preload class D	44 N/micron
$d_1$	20.6 mm
$d_2$	20.6 mm
$D_1$	26.4 mm
$C_1$	5.35 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.2 mm
$d_a$ min.	17 mm



## Bearing import and Export Co., Ltd

$d_b$ min.	17 mm
$D_a$ max.	30 mm
$D_b$ max.	30.6 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.2 mm
$d_n$	21.5 mm
Basic dynamic load rating C	5.2 kN
Basic static load rating $C_0$	2.45 kN
Fatigue load limit $P_u$	0.104 kN
Attainable speed for grease lubrication	56000 r/min
Attainable speed for oil-air lubrication	85000 r/min
Ball diameter $D_w$	4.762 mm
Number of balls z	12
Reference grease quantity $G_{ref}$	0.39 cm <sup>3</sup>
Preload class A $G_A$	20 N
Static axial stiffness, preload class A	17 N/ $\mu$ m
Preload class B $G_B$	40 N
Static axial stiffness, preload class B	23 N/ $\mu$ m
Preload class C $G_C$	80 N
Static axial stiffness, preload class C	31 N/ $\mu$ m
Preload class D $G_D$	160 N
Static axial stiffness, preload class D	44 N/ $\mu$ m
Calculation factor f	1.03
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05



## Bearing import and Export Co., Ltd

Calculation factor $f_{2D}$	1.09
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	9.3
Mass bearing	0.03 kg