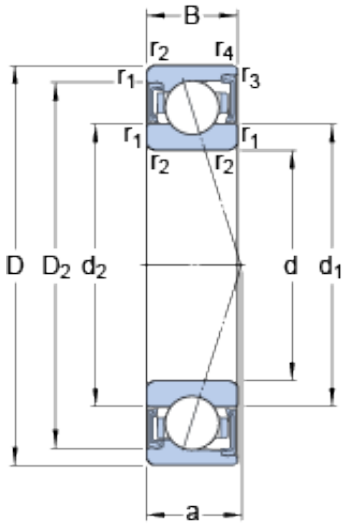
NUP BEARING LTD



S7021 CD/P4A Bearing 2D drawings and 3D CAD models

105 mm x 160 mm x 26 mm skf S7021 CD/P4A Super-precision Angular contact ball bearings

Bearing No. S7021 CD/P4A

Size	160x105x26 mm
Bore Diameter	160 mm
Outer Diameter	105 mm
Width	26 mm
d	105 mm
D	160 mm
B	26 mm
d_1	121.9 mm
d_2	121.9 mm
D_2	146.75 mm
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
a	30.8 mm
d_a - min.	114 mm
d_a - max.	121.3 mm
d_b - min.	114 mm
d_b - max.	121.3 mm
D_a - max.	151 mm
D_b - max.	155 mm
r_a - max.	2 mm
r_b - max.	1 mm
Basic dynamic load rating - C	95.6 kN
Basic static load rating - C_0	96.5 kN
Fatigue load limit - P_u	3.6 kN

Limiting speed for grease lubrication	8000 r/min
Ball - D_w	17.462 mm
Ball - z	21
Calculation factor - f_0	15.7
Preload class A - G_A	360 N
Preload class B - G_B	720 N
Preload class C - G_C	1440 N
Preload class D - G_D	2880 N
Calculation factor - f	1.15
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	117 N/micron
Preload class B	159 N/micron
Preload class C	223 N/micron
Preload class D	324 N/micron
d_1	121.9 mm
d_2	121.9 mm
D_2	146.75 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	114 mm
d_a max.	121.3 mm
d_b min.	114 mm
d_b max.	121.3 mm
D_a max.	151 mm
D_b max.	155 mm

r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	95.6 kN
Basic static load rating C_0	96.5 kN
Fatigue load limit P_u	3.6 kN
Attainable speed for grease lubrication	8000 r/min
Ball diameter D_w	17.462 mm
Number of balls z	21
Preload class A G_A	360 N
Static axial stiffness, preload class A	117 N/ µ m
Preload class B G_B	720 N
Static axial stiffness, preload class B	159 N/ µ m
Preload class C G_C	1440 N
Static axial stiffness, preload class C	223 N/ µ m
Preload class D G_D	2880 N
Static axial stiffness, preload class D	324 N/ µ m
Calculation factor f	1.15
Calculation factor f_1	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
Calculation factor f_0	15.7
Mass bearing	1.61 kg