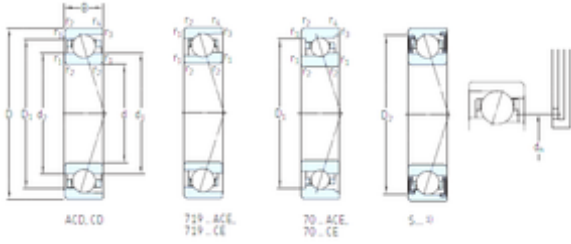


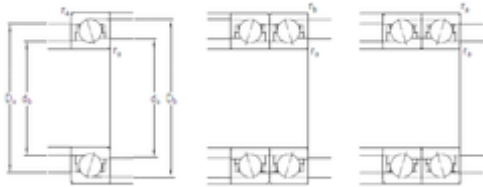


BEARING CORP.OF AMERICA



105 mm x 160 mm x 26 mm SKF S7021
ACD/P4A angular contact ball bearings

Bearing No. S7021 ACD/P4A



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

Size	105x160x26 mm
Bore Diameter	105 mm
Outer Diameter	160 mm
Width	26 mm
d	105 mm
D	160 mm
B	26 mm
C	26 mm
d1	121,9 mm
d2	121,9 mm
r1 min.	2 mm
r2 min.	2 mm
r3 min.	1 mm
r4 min.	1 mm
D1	143,1 mm
D2	146,8 mm
da min.	114 mm
Da max.	151 mm
db min	114 mm
ra max.	2 mm
rb max.	1 mm
dh	125,6 mm
Db max	155 mm
Weight	1,6 Kg
Basic dynamic load rating (C)	90,4 kN



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Basic static load rating (C0)	93 kN
(Grease) Lubrication Speed	7 500 r/min
(Oil) Lubrication Speed	12 000 r/min
Fatigue load limit (Pu)	3,4
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	44 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	90.4 kN
Basic static load rating C ₀	93 kN
Fatigue load limit P _u	3.4 kN
Attainable speed for grease lubrication	7500 r/min
Ball diameter D _w	17.462 mm
Number of balls z	21
Preload class A G _A	560 N
Static axial stiffness, preload class A	279 N/ μ m
Preload class B G _B	1120 N
Static axial stiffness, preload class B	365 N/ μ m
Preload class C G _C	2240 N
Static axial stiffness, preload	484 N/ μ m



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class C	
Preload class D G_D	4480 N
Static axial stiffness, preload class D	655 N/ μ m
Calculation factor f	1.15
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	1.61 kg