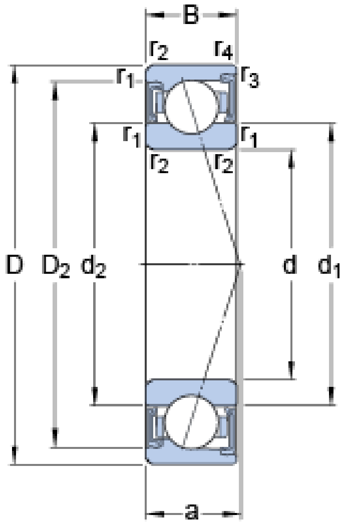
NTN BEARING USA CORP.



105 mm x 145 mm x 20 mm SKF S71921 CD/P4A angular contact ball bearings

S71921 CD/P4A Bearing 2D drawings and 3D CAD models

Bearing No. S71921 CD/P4A

Size	145x105x20 mm
Bore Diameter	145 mm
Outer Diameter	105 mm
Width	20 mm
d	105 mm
D	145 mm
B	20 mm
d_1	117.3 mm
d_2	117.3 mm
D_2	135.65 mm
$r_{1,2}$ - min.	1.1 mm
$r_{3,4}$ - min.	0.6 mm
a	26.8 mm
d_a - min.	111 mm
d_a - max.	116.7 mm
d_b - min.	111 mm
d_b - max.	116.7 mm
D_a - max.	139 mm
D_b - max.	141 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
Basic dynamic load rating - C	61.8 kN
Basic static load rating - C_0	69.5 kN
Fatigue load limit - P_u	2.6 kN

Limiting speed for grease lubrication	8500 r/min
Ball - D_w	12.7 mm
Ball - z	27
Calculation factor - f_0	16.4
Preload class A - G_A	230 N
Preload class B - G_B	460 N
Preload class C - G_C	920 N
Preload class D - G_D	1840 N
Calculation factor - f	1.25
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2C}	1.09
Calculation factor - f_{2D}	1.15
Calculation factor - f_{HC}	1
Preload class A	110 N/micron
Preload class B	151 N/micron
Preload class C	215 N/micron
Preload class D	316 N/micron
d_1	117.3 mm
d_2	117.3 mm
D_2	135.65 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	111 mm
d_a max.	116.7 mm
d_b min.	111 mm
d_b max.	116.7 mm
D_a max.	139 mm
D_b max.	141 mm

r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	61.8 kN
Basic static load rating C_0	69.5 kN
Fatigue load limit P_u	2.6 kN
Attainable speed for grease lubrication	8500 r/min
Ball diameter D_w	12.7 mm
Number of balls z	27
Preload class A G_A	230 N
Static axial stiffness, preload class A	110 N/ μ m
Preload class B G_B	460 N
Static axial stiffness, preload class B	151 N/ μ m
Preload class C G_C	920 N
Static axial stiffness, preload class C	215 N/ μ m
Preload class D G_D	1840 N
Static axial stiffness, preload class D	316 N/ μ m
Calculation factor f	1.25
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.09
Calculation factor f_{2D}	1.15
Calculation factor f_{HC}	1
Calculation factor f_0	16.4
Mass bearing	0.85 kg