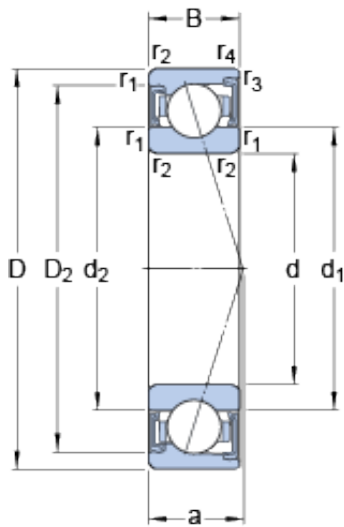




Bearing No. S71921 ACD/P4A

D	145 mm
d	105 mm
B	20 mm
a	39.3 mm
Ball - z	27
Size (mm)	145x105x20
Width (mm)	20
Mass bearing	0.85 kg
D ₂	135.65 mm
d ₂	117.3 mm
d ₁	117.3 mm
d ₂	117.3 mm
D ₂	135.65 mm
d ₁	117.3 mm
Bearing number	S71921 ACD/P4A
Preload class B	346 N/micron
Preload class A	263 N/micron
Preload class D	633 N/micron
Preload class C	463 N/micron
Number of balls z	27
r _b max.	0.6 mm
r _a max.	1 mm
D _b max.	141 mm
D _a max.	139 mm
d _b max.	116.7 mm
d _b min.	111 mm
d _a max.	116.7 mm
Bore Diameter (mm)	145
d _a min.	111 mm
Outer Diameter (mm)	105

d_a - max.	116.7 mm
d_a - min.	111 mm
Calculation factor e	0.68
Calculation factor f	1.25
d_b - max.	116.7 mm
D_b - max.	141 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
d_b - min.	111 mm
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1.1 mm
Ball - D_w	12.7 mm
D_a - max.	139 mm
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.1 mm
Calculation factor - f	1.25
Calculation factor - e	0.68
Ball diameter D_w	12.7 mm
Basic dynamic load rating C	57.2 kN
Preload class A G_A	360 N
Basic dynamic load rating - C	57.2 kN
Preload class B G_B	720 N
Preload class C G_C	1440 N
Preload class D G_D	2880 N
Preload class B - G_B	720 N
Preload class C - G_C	1440 N
Preload class A - G_A	360 N
Preload class D - G_D	2880 N
Calculation factor f_1	0.98
Fatigue load limit P_u	2.5 kN

Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{2D}	1.14
Calculation factor f_{HC}	1
Calculation factor - X_2	0.67
Calculation factor - Y_1	0.92
Calculation factor - Y_2	1.41
Fatigue load limit - P_u	2.5 kN
Calculation factor - Y_0	0.76
Calculation factor - f_1	0.98
Calculation factor - f_{HC}	1
Calculation factor - f_{2D}	1.14
Calculation factor - f_{2C}	1.08
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2A}	1
Limiting speed for grease lubrication	7500 r/min
Basic static load rating C_0	65.5 kN
Static axial stiffness, preload class D	633 N/ μ m
Attainable speed for grease lubrication	7500 r/min
Static axial stiffness, preload class C	463 N/ μ m
Static axial stiffness, preload class B	346 N/ μ m
Static axial stiffness, preload class A	263 N/ μ m
Basic static load rating - C_0	65.5 kN

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