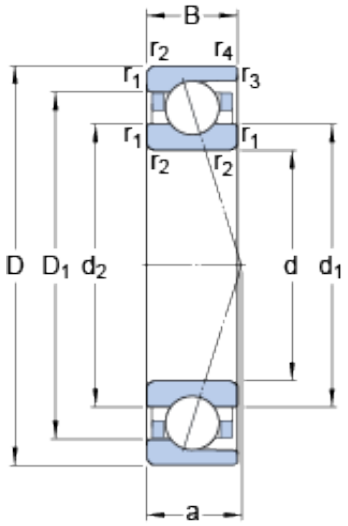
DPA Bearing Sales Corp.



71934 ACD/HCP4A Bearing 2D drawings and 3D CAD models

170 mm x 230 mm x 28 mm SKF 71934 ACD/HCP4A ISO class 2 ABMA ABEC9 Precision Bearings

Bearing No. 71934 ACD/HCP4A

Size	230x170x28 mm
Bore Diameter	230 mm
Outer Diameter	170 mm
Width	28 mm
d	170 mm
D	230 mm
B	28 mm
d_1	188.5 mm
d_2	188.5 mm
D_1	211.5 mm
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
a	60.8 mm
d_a - min.	179 mm
d_b - min.	179 mm
D_a - max.	221 mm
D_b - max.	225 mm
r_a - max.	2 mm
r_b - max.	1 mm
d_n	193.5 mm
Basic dynamic load rating - C	124 kN
Basic static load rating - C_0	160 kN
Fatigue load limit - P_u	4.8 kN

Limiting speed for grease lubrication	6000 r/min
Limiting speed for oil lubrication	9000 mm/min
Ball - D_w	19.05 mm
Ball - z	29
G_{ref}	36 cm3
Calculation factor - e	0.68
Calculation factor - Y_2	0.87
Calculation factor - Y_0	0.38
Calculation factor - X_2	0.41
Calculation factor - Y_1	0.92
Calculation factor - Y_2	1.41
Calculation factor - Y_0	0.76
Calculation factor - X_2	0.67
Preload class A - G_A	800 N
Preload class B - G_B	1600 N
Preload class C - G_C	3200 N
Preload class D - G_D	6400 N
Calculation factor - f	1.3
Calculation factor - f_1	0.98
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.07
Calculation factor - f_{2C}	1.12
Calculation factor - f_{2D}	1.17
Calculation factor - f_{HC}	1.04
Preload class A	460 N/micron
Preload class B	606 N/micron
Preload class C	811 N/micron
Preload class D	1112 N/micron

d_1	188.5 mm
d_2	188.5 mm
D_1	211.5 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	179 mm
d_b min.	179 mm
D_a max.	221 mm
D_b max.	225 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	193.5 mm
Basic dynamic load rating C	124 kN
Basic static load rating C_0	160 kN
Fatigue load limit P_u	4.8 kN
Attainable speed for grease lubrication	6000 r/min
Attainable speed for oil-air lubrication	9000 r/min
Ball diameter D_w	19.05 mm
Number of balls z	29
Reference grease quantity G_{ref}	36 cm^3
Preload class A G_A	800 N
Static axial stiffness, preload class A	460 N/µm
Preload class B G_B	1600 N
Static axial stiffness, preload class B	606 N/µm
Preload class C G_C	3200 N
Static axial stiffness, preload class C	811 N/µm
Preload class D G_D	6400 N
Static axial stiffness, preload	1112 N/µm

class D	
Calculation factor f	1.3
Calculation factor f_1	0.98
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.07
Calculation factor f_{2C}	1.12
Calculation factor f_{2D}	1.17
Calculation factor f_{HC}	1.04
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	2.34 kg