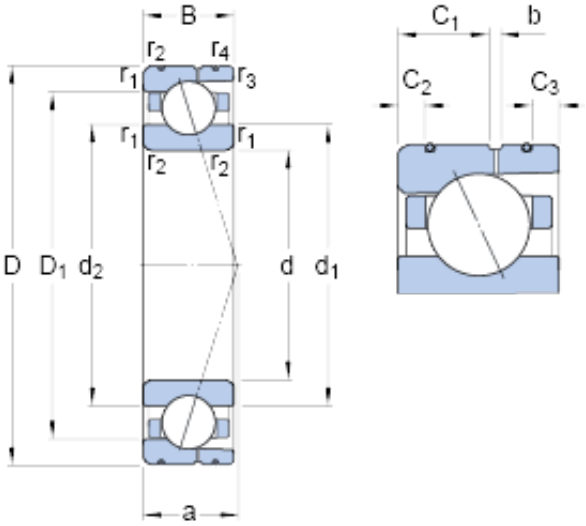

71928 ACD/P4AL Bearing 2D drawings and 3D CAD models

140 mm x 190 mm x 24 mm SKF 71928 ACD/P4AL angular contact ball bearings

Bearing No. 71928 ACD/P4AL

Size	190x140x24 mm
Bore Diameter	190 mm
Outer Diameter	140 mm
Width	24 mm
d	140 mm
D	190 mm
B	24 mm
d_1	155.4 mm
d_2	155.4 mm
D_1	174.6 mm
b	2.6 mm
C_1	13.3 mm
C_2	5.4 mm
C_3	2.9 mm
$r_{1,2}$ - min.	1.5 mm
$r_{3,4}$ - min.	0.6 mm
a	50.6 mm
d_a - min.	147 mm
d_b - min.	147 mm
D_a - max.	183 mm
D_b - max.	186 mm
r_a - max.	1.5 mm
r_b - max.	0.6 mm
d_n	159.5 mm

Basic dynamic load rating - C	90.4 kN
Basic static load rating - C_0	110 kN
Fatigue load limit - P_u	3.6 kN
Limiting speed for grease lubrication	6000 r/min
Limiting speed for oil lubrication	9000 mm/min
Ball - D_w	15.875 mm
Ball - z	29
G_{ref}	21.6 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	560 N
Preload class B - G_B	1120 N
Preload class C - G_C	2240 N
Preload class D - G_D	4480 N
Calculation factor - f	1.29
Calculation factor - f_1	0.98
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

Preload class A	348 N/micron
Preload class B	457 N/micron
Preload class C	614 N/micron
Preload class D	841 N/micron
d_1	155.4 mm
d_2	155.4 mm
D_1	174.6 mm
C_1	13.3 mm
C_2	5.4 mm
C_3	2.9 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	147 mm
d_b min.	147 mm
D_a max.	183 mm
D_b max.	186 mm
r_a max.	1.5 mm
r_b max.	0.6 mm
d_n	159.5 mm
Basic dynamic load rating C	90.4 kN
Basic static load rating C_0	110 kN
Fatigue load limit P_u	3.65 kN
Attainable speed for grease lubrication	6000 r/min
Attainable speed for oil-air lubrication	9000 r/min
Ball diameter D_w	15.875 mm
Number of balls z	29
Reference grease quantity G_{ref}	21.6 cm^3
Preload class A G_A	560 N
Static axial stiffness, preload class A	348 N/ μ m

Preload class B G_B	1120 N
Static axial stiffness, preload class B	457 N/ µ m
Preload class C G_C	2240 N
Static axial stiffness, preload class C	614 N/ µ m
Preload class D G_D	4480 N
Static axial stiffness, preload class D	841 N/ µ m
Calculation factor f	1.29
Calculation factor f_1	0.98
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 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	1.65 kg