



Bearing No. S7026 ACD/HCP4A

D	200 mm
d	130 mm
B	33 mm
a	55.2 mm
Ball - z	21
Size (mm)	200x130x33
Width (mm)	33
Mass bearing	2.69 kg
D_2	183.1 mm
d_2	151.6 mm
d_1	151.6 mm
d_2	151.6 mm
D_2	183.1 mm
d_1	151.6 mm
Bearing number	S7026 ACD/HCP4A
Preload class B	511 N/micron
Preload class A	392 N/micron
Preload class D	917 N/micron
Preload class C	677 N/micron
Number of balls z	21
r_b max.	1 mm
r_a max.	2 mm
D_b max.	195 mm
D_a max.	191 mm
d_b max.	151 mm
d_b min.	139 mm
d_a max.	151 mm
Bore Diameter (mm)	200
d_a min.	139 mm
Outer Diameter (mm)	130

d_a - max.	151 mm
d_a - min.	139 mm
Calculation factor e	0.68
Calculation factor f	1.15
d_b - max.	151 mm
D_b - max.	195 mm
r_a - max.	2 mm
r_b - max.	1 mm
d_b - min.	139 mm
$r_{3,4}$ min.	1 mm
$r_{1,2}$ min.	2 mm
Ball - D_w	22.225 mm
D_a - max.	191 mm
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Calculation factor - f	1.15
Calculation factor - e	0.68
Ball diameter D_w	22.225 mm
Basic dynamic load rating C	140 kN
Preload class A G_A	900 N
Basic dynamic load rating - C	140 kN
Preload class B G_B	1800 N
Preload class C G_C	3600 N
Preload class D G_D	7200 N
Preload class B - G_B	1800 N
Preload class C - G_C	3600 N
Preload class A - G_A	900 N
Preload class D - G_D	7200 N
Calculation factor f_1	0.99
Fatigue load limit P_u	4.9 kN

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}	1.02
Calculation factor - X_2	0.67
Calculation factor - Y_1	0.92
Calculation factor - Y_2	1.41
Fatigue load limit - P_u	4.9 kN
Calculation factor - Y_0	0.76
Calculation factor - f_1	0.99
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2D}	1.08
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2A}	1
Limiting speed for grease lubrication	7500 r/min
Basic static load rating C_0	150 kN
Static axial stiffness, preload class D	917 N/ μ m
Attainable speed for grease lubrication	7500 r/min
Static axial stiffness, preload class C	677 N/ μ m
Static axial stiffness, preload class B	511 N/ μ m
Static axial stiffness, preload class A	392 N/ μ m
Basic static load rating - C_0	150 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