



DRIVESHAFT ANDERSON, INC.



7032 CD/HCP4A Bearing 2D drawings and 3D CAD models

160 mm x 240 mm x 38 mm SKF 7032
CD/HCP4A angular contact ball bearings

Bearing No. 7032 CD/HCP4A

Size	160x240x38 mm
Bore Diameter	160 mm
Outer Diameter	240 mm
Width	38 mm
d	160 mm
D	240 mm
B	38 mm
d ₁	184.7 mm
d ₂	184.7 mm
D ₁	215.3 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1 mm
a	45.9 mm
d _a - min.	171 mm
d _b - min.	171 mm
D _a - max.	229 mm
D _b - max.	235 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	191.4 mm
Basic dynamic load rating - C	195 kN
Basic static load rating - C ₀	216 kN
Fatigue load limit - P _u	6.6 kN
Limiting speed for grease	6700 r/min



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Lubrication	
Limiting speed for oil lubrication	11000 mm/min
Ball - D_w	25.4 mm
Ball - z	22
G_{ref}	66 cm ³
Calculation factor - f_0	15.8
Preload class A - G_A	730 N
Preload class B - G_B	1460 N
Preload class C - G_C	2920 N
Preload class D - G_D	5840 N
Calculation factor - f	1.16
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2D}	1.09
Calculation factor - f_{HC}	1.02
Preload class A	190 N/micron
Preload class B	259 N/micron
Preload class C	363 N/micron
Preload class D	524 N/micron
d_1	184.7 mm
d_2	184.7 mm
D_1	215.3 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1 mm
d_a min.	171 mm
d_b min.	171 mm
D_a max.	229 mm



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D_b max.	235 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	191.4 mm
Basic dynamic load rating C	195 kN
Basic static load rating C_0	216 kN
Fatigue load limit P_u	6.55 kN
Attainable speed for grease lubrication	6700 r/min
Attainable speed for oil-air lubrication	11000 r/min
Ball diameter D_w	25.4 mm
Number of balls z	22
Reference grease quantity G_{ref}	66 cm ³
Preload class A G_A	730 N
Static axial stiffness, preload class A	190 N/ μ m
Preload class B G_B	1460 N
Static axial stiffness, preload class B	259 N/ μ m
Preload class C G_C	2920 N
Static axial stiffness, preload class C	363 N/ μ m
Preload class D G_D	5840 N
Static axial stiffness, preload class D	524 N/ μ m
Calculation factor f	1.16
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1.02



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Calculation factor f_0	15.8
Mass bearing	4.26 kg