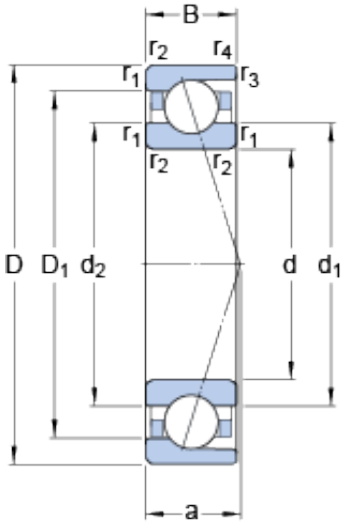




YYH Bearing & Drivetrain Co., Ltd.



320 mm x 440 mm x 56 mm SKF 71964
ACDMA/HCP4A double direction angular
contact thrust ball bearings

Bearing No. 71964 ACDMA/HCP4A

71964 ACDMA/HCP4A Bearing 2D drawings and 3D
CAD models

Size	440x320x56 mm
Bore Diameter	440 mm
Outer Diameter	320 mm
Width	56 mm
d	320 mm
D	440 mm
B	56 mm
d ₁	357 mm
d ₂	357 mm
D ₁	403 mm
r _{1,2} - min.	3 mm
r _{3,4} - min.	1.1 mm
a	116.9 mm
d _a - min.	333 mm
d _b - min.	333 mm
D _a - max.	425 mm
D _b - max.	434 mm
r _a - max.	2.5 mm
r _b - max.	1 mm
d _n	367 mm
Basic dynamic load rating - C	351 kN
Basic static load rating - C ₀	585 kN
Fatigue load limit - P _u	12.9 kN



YYH Bearing & Drivetrain Co., Ltd.

Limiting speed for grease lubrication	2600 r/min
Limiting speed for oil lubrication	4000 mm/min
Ball - D_w	38.1 mm
Ball - z	27
G_{ref}	282 cm ³
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	2200 N
Preload class B - G_B	4400 N
Preload class C - G_C	8800 N
Preload class D - G_D	17600 N
Calculation factor - f	1.24
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	758 N/micron
Preload class B	991 N/micron
Preload class C	1313 N/micron
Preload class D	1774 N/micron



YYH Bearing & Drivetrain Co., Ltd.

d_1	357 mm
d_2	357 mm
D_1	403 mm
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	333 mm
d_b min.	333 mm
D_a max.	425 mm
D_b max.	434 mm
r_a max.	2.5 mm
r_b max.	1 mm
d_n	367 mm
Basic dynamic load rating C	351 kN
Basic static load rating C_0	585 kN
Fatigue load limit P_u	12.9 kN
Attainable speed for grease lubrication	2600 r/min
Attainable speed for oil-air lubrication	4000 r/min
Ball diameter D_w	38.1 mm
Number of balls z	27
Reference grease quantity G_{ref}	282 cm ³
Preload class A G_A	2200 N
Static axial stiffness, preload class A	758 N/ μ m
Preload class B G_B	4400 N
Static axial stiffness, preload class B	991 N/ μ m
Preload class C G_C	8800 N
Static axial stiffness, preload class C	1313 N/ μ m
Preload class D G_D	17600 N
Static axial stiffness, preload class D	1774 N/ μ m



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class D	
Calculation factor f	1.24
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	20.5 kg