



# Ruville BEARING COMPANY



## 130 mm x 200 mm x 33 mm SKF 7026 ACD/P4AH1 angular contact ball bearings

Bearing No. 7026 ACD/P4AH1

7026 ACD/P4AH1 Bearing 2D drawings and 3D CAD models

|   |               |
|---|---------------|
| Size                                      | 200x130x33 mm |
| Bore Diameter                             | 200 mm        |
| Outer Diameter                            | 130 mm        |
| Width                                     | 33 mm         |
| d   | 130 mm        |
| D   | 200 mm        |
| B   | 33 mm         |
| d <sub>1</sub>                            | 151.6 mm      |
| d <sub>2</sub>                            | 151.6 mm      |
| D <sub>1</sub>                            | 178.4 mm      |
| K   | 0.5 mm        |
| C <sub>1</sub>                            | 8.9 mm        |
| r <sub>1,2</sub> - min.                   | 2 mm          |
| r <sub>3,4</sub> - min.                   | 1 mm          |
| a   | 55.2 mm       |
| d <sub>a</sub> - min.                     | 139 mm        |
| d <sub>b</sub> - min.                     | 139 mm        |
| D <sub>a</sub> - max.                     | 191 mm        |
| D <sub>b</sub> - max.                     | 195 mm        |
| r <sub>a</sub> - max.                     | 2 mm          |
| r <sub>b</sub> - max.                     | 1 mm          |
| d <sub>n</sub>                            | 156.4 mm      |
| Basic dynamic load rating - C             | 140 kN        |
| Basic static load rating - C <sub>0</sub> | 150 kN        |



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|                                       |                    |
|---------------------------------------|--------------------|
| Fatigue load limit - $P_u$            | 4.9 kN             |
| Limiting speed for grease lubrication | 6000 r/min         |
| Limiting speed for oil lubrication    | 9000 mm/min        |
| Ball - $D_w$                          | 22.225 mm          |
| Ball - $z$                            | 21                 |
| $G_{ref}$                             | 42 cm <sup>3</sup> |
| 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 - $G_A$               | 900 N              |
| Preload class B - $G_B$               | 1800 N             |
| Preload class C - $G_C$               | 3600 N             |
| Preload class D - $G_D$               | 7200 N             |
| Calculation factor - $f$              | 1.15               |
| Calculation factor - $f_1$            | 0.99               |
| 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                  |
| Preload class A                       | 353 N/micron       |
| Preload class B                       | 460 N/micron       |
| Preload class C                       | 610 N/micron       |



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|  |                    |
|--|--------------------|
| Preload class D                          | 826 N/micron       |
| $d_1$                                    | 151.6 mm           |
| $d_2$                                    | 151.6 mm           |
| $D_1$                                    | 178.4 mm           |
| $C_1$                                    | 8.9 mm             |
| $r_{1,2}$ min.                           | 2 mm               |
| $r_{3,4}$ min.                           | 1 mm               |
| $d_a$ min.                               | 139 mm             |
| $d_b$ min.                               | 139 mm             |
| $D_a$ max.                               | 191 mm             |
| $D_b$ max.                               | 195 mm             |
| $r_a$ max.                               | 2 mm               |
| $r_b$ max.                               | 1 mm               |
| $d_n$                                    | 156.4 mm           |
| Basic dynamic load rating C              | 140 kN             |
| Basic static load rating $C_0$           | 150 kN             |
| Fatigue load limit $P_u$                 | 4.9 kN             |
| Attainable speed for grease lubrication  | 6000 r/min         |
| Attainable speed for oil-air lubrication | 9000 r/min         |
| Ball diameter $D_w$                      | 22.225 mm          |
| Number of balls z                        | 21                 |
| Reference grease quantity $G_{ref}$      | 42 cm <sup>3</sup> |
| Preload class A $G_A$                    | 900 N              |
| Static axial stiffness, preload class A  | 353 N/ $\mu$ m     |
| Preload class B $G_B$                    | 1800 N             |
| Static axial stiffness, preload class B  | 460 N/ $\mu$ m     |
| Preload class C $G_C$                    | 3600 N             |
| Static axial stiffness, preload class C  | 610 N/ $\mu$ m     |



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|   |                |
|---|----------------|
| Preload class D $G_D$                                 | 7200 N         |
| Static axial stiffness, preload class D               | 826 N/ $\mu$ m |
| Calculation factor f                                  | 1.15           |
| Calculation factor $f_1$                              | 0.99           |
| 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              |
| 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  | 3.23 kg        |