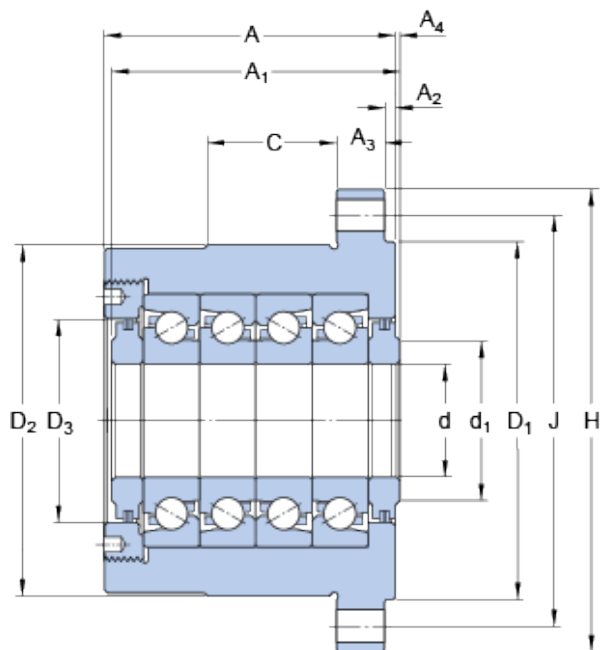




# BEARING DRIVESHAFT ANDERSON, INC.

## SKF FBSA 210 A/QBC Thrust ball bearings

Bearing No. FBSA 210 A/QBC



FBSA 210 A/QBC Bearing 2D drawings and 3D CAD models

|   |               |
|---|---------------|
| Size                                      | 50x165x106 mm |
| Bore Diameter                             | 50 mm         |
| Outer Diameter                            | 165 mm        |
| Width                                     | 106 mm        |
| d   | 50 mm         |
| H   | 165 mm        |
| A   | 106 mm        |
| A <sub>1</sub>                            | 106.26 mm     |
| A <sub>2</sub>                            | 4 mm          |
| A <sub>3</sub>                            | 24 mm         |
| A <sub>4</sub>                            | 1 mm          |
| C   | 35 mm         |
| d <sub>1</sub>                            | 66 mm         |
| D <sub>1</sub>                            | 128 mm        |
| D <sub>2</sub>                            | 128 mm        |
| D <sub>3</sub>                            | 76 mm         |
| Basic dynamic load rating - C             | 75.8 kN       |
| Basic static load rating - C <sub>0</sub> | 292 kN        |
| Fatigue load limit - P <sub>u</sub>       | 10.8 kN       |
| Limiting speed, Preload class A           | 3000 r/min    |
| Limiting speed for oil lubrication        | 1500 mm/min   |
| Preload class A                           | 8200 N        |
| Preload class B                           | 16400 N       |



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|  |               |
|--|---------------|
| Frictional moment, Preload class A           | 0.62 N · m    |
| Frictional moment, Preload class B           | 1.36 N · m    |
| Static Axial rigidity, Preload class A       | 2820 N/micron |
| Static Axial rigidity, Preload class B       | 3600 N/micron |
| A <sub>1</sub>                               | 106.26 mm     |
| A <sub>2</sub>                               | 4 mm          |
| A <sub>3</sub>                               | 24 mm         |
| A <sub>4</sub>                               | 1 mm          |
| d <sub>1</sub>                               | 66 mm         |
| D <sub>1</sub>                               | 128 mm        |
| D <sub>2</sub>                               | 128 mm        |
| D <sub>3</sub>                               | 76 mm         |
| Basic dynamic load rating C                  | 75.8 kN       |
| Basic static load rating C <sub>0</sub>      | 292 kN        |
| Fatigue load limit P <sub>u</sub>            | 10.8 kN       |
| Attainable speed for preload class A         | 3000 r/min    |
| Attainable speed for preload class B         | 1500 r/min    |
| Frictional moment for preload class A        | 0.62 N · m    |
| Frictional moment for preload class B        | 1.36 N · m    |
| Static axial stiffnes for preload class A    | 2820 N/ μ m   |
| Static axial stiffnes for preload class B    | 3600 N/ μ m   |
| Mass cartridge unit                          | 9.3 kg        |
| Through hole diameter for attachment bolts N | 11.4 mm       |
| Pitch diameter of attachment bolt holes J    | 146 mm        |



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|  |         |
|--|---------|
| Cartridge half diameter<br>without flange J <sub>1</sub> | 65.5 mm |
| Threaded hole size G                                     | M10x1,5 |