

# GAC 120 F

## Angular contact spherical plain bearings

### Bearing data

[Tolerances,](#)

[table,](#)

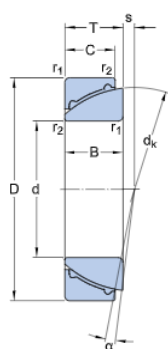
[Radial internal clearance,](#)

[Axial preload](#)

### Radial location of bearings

[Recommended fits](#)

## Technical specification

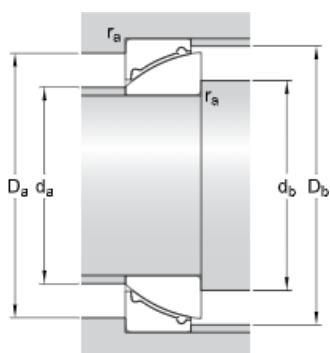


### DIMENSIONS

|          |             |
|----------|-------------|
| d        | 120 mm      |
| D        | 180 mm      |
| T        | 38 mm       |
| $\alpha$ | 0.7 °       |
| $d_k$    | 168 mm      |
| B        | 38 mm       |
| C        | 37 mm       |
| $r_1$    | min. 2.5 mm |
| $r_2$    | min. 0.6 mm |
| s        | 14.5 mm     |

### ABUTMENT DIMENSIONS

|       |             |
|-------|-------------|
| $d_a$ | max. 134 mm |
| $d_b$ | max. 155 mm |
| $D_a$ | min. 140 mm |
| $D_b$ | min. 169 mm |
| $r_a$ | max. 2.5 mm |



## CALCULATION DATA

|                              |                |         |
|------------------------------|----------------|---------|
| Basic dynamic load rating    | C              | 260 kN  |
| Basic static load rating     | C <sub>0</sub> | 415 kN  |
| Specific dynamic load factor | K              | 50 N/mm |
| Specific static load factor  | K <sub>0</sub> | 80 N/mm |
| Material constant            | K <sub>M</sub> | 480     |

## MASS

|                    |      |
|--------------------|------|
| Mass plain bearing | 4 kg |
|--------------------|------|

## More information

|                                                                                                               |                                                                                                     |                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <p>Product details</p> <p><a href="#">Bearing data</a></p> <hr/> <p><a href="#">Special designs</a></p> <hr/> | <p>Engineering information</p> <p><a href="#">Principles of selection and application</a></p> <hr/> | <p>Tools</p> <p><a href="#">SKF Bearing Calculator</a></p> <hr/> <p><a href="#">Heater selection tool</a></p> <hr/> |
|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|

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