



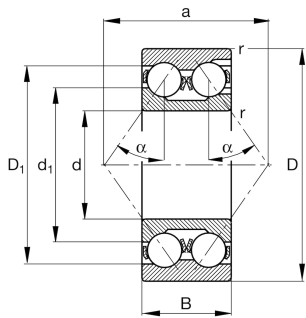
FAG

3318-C3

Angular contact ball bearing

Angular contact ball bearing 33, double row,  
with filling slot, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |         |                                         |
|----------------------------------|---------|-----------------------------------------|
| Design variant                   | FN      | Bearing with filling slot               |
| Sealing                          | Without | Not sealed                              |
| Cage                             | J       | Steel sheet metal                       |
| Tolerance class                  | PN      | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | S0      | Rings dimensional stabilized up to 150° |
| Lubricant                        | Without | Bearing not greased                     |
| Axial internal clearance         | C3      | Group 3 (C3), bigger than CN            |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 90 mm       | Bore diameter                     |
| D               | 190 mm      | Outside diameter                  |
| B               | 73 mm       | Width                             |
| C <sub>r</sub>  | 218.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 295.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 13.000 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.650 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.350 1/min | Reference speed                   |
| ≈m              | 9,09 kg     | Masa                              |



Mounting dimensions

|         |        |                                      |
|---------|--------|--------------------------------------|
| d a min | 104 mm | Minimum diameter shaft shoulder      |
| D a max | 176 mm | Maximum diameter of housing shoulder |
| r a max | 2,5 mm | Maximum fillet radius                |

Dimensions

|       |           |                                                   |
|-------|-----------|---------------------------------------------------|
| r min | 3 mm      | Minimum chamfer dimension                         |
| D 1   | 168,22 mm | Shoulder diameter outer ring                      |
| d 1   | 126,1 mm  | Shoulder diameter inner ring                      |
| a     | 136 mm    | Distance between the apexes of the pressure cones |
| α     | 35 °      | Contact angle                                     |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 150 °C | Operating temperature max. |

Właściwości

|  |                                   |
|--|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |