



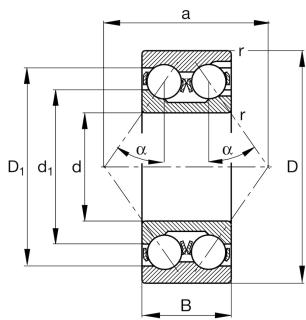
FAG

3322-M

Angular contact ball bearing

Angular contact ball bearing 33...-M, double row, with filling slot, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |         |                                         |
|----------------------------------|---------|-----------------------------------------|
| Design variant                   | FN      | Bearing with filling slot               |
| Sealing                          | Without | Not sealed                              |
| Cage                             | M       | Solid brass cage, ball guided           |
| 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         | CN      | Group N (CN)                            |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 110 mm      | Bore diameter                     |
| D               | 240 mm      | Outside diameter                  |
| B               | 92,1 mm     | Width                             |
| C <sub>r</sub>  | 280.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 425.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 16.800 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.750 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.650 1/min | Reference speed                   |
| m               | 20 kg       | Masa                              |



Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 124 mm | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 226 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 2,5 mm | Maximum fillet radius                |

Dimensions

|             |           |                                                   |
|-------------|-----------|---------------------------------------------------|
| $r_{\ min}$ | 3 mm      | Minimum chamfer dimension                         |
| $D_{\ 1}$   | 209,58 mm | Shoulder diameter outer ring                      |
| $d_{\ 1}$   | 161,54 mm | Shoulder diameter inner ring                      |
| $a$         | 170,5 mm  | Distance between the apexes of the pressure cones |
| $\alpha$    | 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                 |