



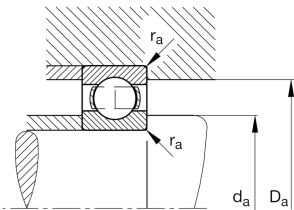
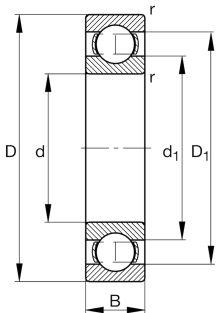
FAG

6305-TVH-C4

Deep groove ball bearing

Deep groove ball bearing 63...TVH, single row, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                                         |
|----------------------------------|--------------|---------------------------------------------------------|
| Sealing                          | Without      | Not sealed                                              |
| Cage                             | TVH          | Solid cage made of glass-fiber reinforced polyamid PA66 |
| Tolerance class                  | PN           | Normal (ISO 492:2023)                                   |
| Dimensional / heat stabilization | SN           | Rings dimensional stabilized up to 120°                 |
| Lubricant                        | Without      | Bearing not greased                                     |
| Radial internal clearance        | C4 (Group 4) | Internal clearance larger than C3                       |
| Bore type                        | Z            | Cylindrical                                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 25 mm        | Bore diameter                     |
| D               | 62 mm        | Outside diameter                  |
| B               | 17 mm        | Width                             |
| C <sub>r</sub>  | 23.800 N     | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 11.500 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 780 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 16.200 1/min | Limiting speed                    |
| n <sub>gr</sub> | 12.300 1/min | Reference speed                   |
| m               | 231,75 g     | Masa                              |



Mounting dimensions

|             |       |                                      |
|-------------|-------|--------------------------------------|
| $d_{a\min}$ | 32 mm | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 55 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1 mm  | Maximum fillet radius                |

Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 1,1 mm   | Minimum chamfer dimension    |
| $D_1$      | 50,18 mm | Shoulder diameter outer ring |
| $D_2$      | 52,53 mm | Caliber diameter outer ring  |
| $d_1$      | 36,4 mm  | Shoulder diameter inner ring |

Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 120 °C | Operating temperature max. |

Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 12,4 | Calculation factor |
|-------|------|--------------------|

Właściwości

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