



FAG



X-life

7036-XL-MP-UA

Angular contact ball bearing

Angular contact ball bearing 70..-XL-MP, single row, X-life, solid brass cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                                      |         |                                                 |
|------------------------------------------------------|---------|-------------------------------------------------|
| Sealing                                              | Without | Not sealed                                      |
| Cage                                                 | MP      | Solid brass cage, ball guided                   |
| Tolerance class                                      | PN      | Normal (ISO 492:2023)                           |
| Dimensional / heat stabilization                     | S1      | Rings dimensional stabilized up to 200°         |
| Bearing with matched conditions for fitting in pairs | UA      | Bearing set with small axial internal clearance |
| Lubricant                                            | Without | Bearing not greased                             |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 180 mm      | Bore diameter                     |
| D               | 280 mm      | Outside diameter                  |
| B               | 46 mm       | Width                             |
| C <sub>r</sub>  | 240.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 295.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 13.400 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.800 1/min | Limiting speed                    |
| n <sub>gr</sub> | 2.550 1/min | Reference speed                   |
| ≈m              | 9,74 kg     | Masa                              |



Mounting dimensions

|          |          |                                      |
|----------|----------|--------------------------------------|
| d a min  | 190,2 mm | Minimum diameter of shaft shoulder   |
| D a max  | 269,8 mm | Maximum diameter of housing shoulder |
| D b max  | 274 mm   | Maximum diameter of housing shoulder |
| r a max  | 2,1 mm   | Maximum fillet radius of shaft       |
| r a1 max | 1 mm     | Maximum fillet radius of housing     |

Dimensions

|         |           |                                                   |
|---------|-----------|---------------------------------------------------|
| r min   | 2,1 mm    | Minimum chamfer dimension                         |
| r 1 min | 1,1 mm    | Minimum chamfer dimension                         |
| D 1     | 244,15 mm | Shoulder diameter on outer ring wide side face    |
| d 1     | 218 mm    | Shoulder diameter on inner ring wide side face    |
| a       | 89,4 mm   | Distance between the apexes of the pressure cones |
| α       | 30 °      | Contact angle                                     |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 200 °C | Operating temperature max. |

Additional information

|         |       |                                                  |
|---------|-------|--------------------------------------------------|
| Tol (+) | 12 μm | Tolerance for axial clearance or preload per set |
| A min   | 76 mm | Axial clearance per set min.                     |

Właściwości

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