



FAG

2216-K-TVH>N

Self-aligning ball bearing

Self-aligning ball bearing 22..-K-TVH, tapered bore taper 1:12, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                                          |
|---------------------------|--------------|----------------------------------------------------------|
| Version code              | >N           | Not marked on bearing                                    |
| Bore type                 | K            | Tapered, taper 1:12                                      |
| Sealing                   | Without      | Not sealed                                               |
| Cage                      | TVH          | Solid cage made of glass-fiber reinforced polyamide PA66 |
| Tolerance class           | PN           | Normal (ISO 492:2023)                                    |
| Radial internal clearance | CN (Group N) | Normal internal clearance                                |
| Lubricant                 | Without      | Bearing not greased                                      |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 80 mm       | Bore diameter                     |
| D               | 140 mm      | Outside diameter                  |
| B               | 33 mm       | Width                             |
| C <sub>r</sub>  | 49.500 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 19.900 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.210 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 5.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 5.400 1/min | Reference speed                   |
| ≈m              | 1,937 kg    | Masa                              |



### Mounting dimensions

|              |        |                                       |
|--------------|--------|---------------------------------------|
| $d_{a \min}$ | 91 mm  | Minimum diameter shaft shoulder       |
| $d_{a \max}$ | 96 mm  | Maximum diameter shaft shoulder       |
| $D_{a \max}$ | 129 mm | Maximum diameter of housing shoulder  |
| $d_{b \min}$ | 85 mm  | Minimum cavity diameter of the sleeve |
| $B_{a \min}$ | 12 mm  | Minimum cavity width of the sleeve    |
| $r_{a \max}$ | 2 mm   | Maximum fillet radius                 |

### Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 2 mm      | Minimum chamfer dimension    |
| $D_1$      | 120,97 mm | Shoulder diameter outer ring |
| $d_1$      | 99,2 mm   | Shoulder diameter inner ring |

### Temperature range

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

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,25 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,48 | Dynamic axial load factor                                                            |
| $Y_2$ | 3,84 | Dynamic axial load factor                                                            |
| $Y_0$ | 2,6  | Static axial load factor                                                             |

### Additional information

H316

Adapter sleeve



### Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna