



FAG

22213-E1A-XL-M-C3

Spherical Roller Bearing

Spherical roller bearing 222...-E1A-XL-M,  
symmetric 2 outer ribs

X-life

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                   |
|---------------------------|--------------|-----------------------------------|
| Design                    | E1A          | Without central rip               |
| Bore type                 | Z            | Cylindrical                       |
| Cage                      | M            | Brass Cage                        |
| Radial internal clearance | C3 (Group 3) | Internal clearance larger than CN |
| Relubrication feature     | Standard     |                                   |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 65 mm       | Bore diameter                     |
| D               | 120 mm      | Outside diameter                  |
| B               | 31 mm       | Width                             |
| C <sub>r</sub>  | 202.000 N   | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 210.000 N   | Basic static load rating, radial  |
| C <sub>ur</sub> | 26.500 N    | Fatigue load limit, radial        |
| n <sub>G</sub>  | 7.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 4.200 1/min | Reference speed                   |
| ≈m              | 1,501 kg    | Masa                              |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 74 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 111 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1,5 mm | Maximum recess radius                |



### Dimensions

|            |          |                                    |
|------------|----------|------------------------------------|
| $r_{\min}$ | 1,5 mm   | Minimum chamfer dimension          |
| $D_1$      | 107,3 mm | Bore diameter outer ring           |
| $d_2$      | 79,1 mm  | Raceway diameter of the inner ring |
| $d_s$      | 3,2 mm   | Diameter lubrication hole          |
| $n_s$      | 6,5 mm   | Width of lubricating groove        |

### Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 200 °C | Operating temperature max. |

### Calculation factors

|       |      |                                                                                      |
|-------|------|--------------------------------------------------------------------------------------|
| $e$   | 0,24 | Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y |
| $Y_1$ | 2,81 | Dynamic axial load factor                                                            |
| $Y_2$ | 4,19 | Dynamic axial load factor                                                            |
| $Y_0$ | 2,75 | Static axial load factor                                                             |

### Właściwości

|                                                                                     |                                   |
|-------------------------------------------------------------------------------------|-----------------------------------|
|  | Obciążenie promieniowe            |
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Nieosiowość statyczna             |