



FAG

61824-C3

Deep groove ball bearing

Deep groove ball bearing 618, single row,  
steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |              |                                         |
|----------------------------------|--------------|-----------------------------------------|
| Sealing                          | Without      | Not sealed                              |
| Cage                             | JN           | Steel sheet metal                       |
| Tolerance class                  | PN           | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | S0           | Rings dimensional stabilized up to 150° |
| Lubricant                        | Without      | Bearing not greased                     |
| Radial internal clearance        | C3 (Group 3) | Internal clearance larger than CN       |
| Bore type                        | Z            | Cylindrical                             |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 120 mm      | Bore diameter                     |
| D               | 150 mm      | Outside diameter                  |
| B               | 16 mm       | Width                             |
| C <sub>r</sub>  | 30.500 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 33.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.730 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 6.100 1/min | Limiting speed                    |
| n <sub>gr</sub> | 3.750 1/min | Reference speed                   |
| ≈m              | 0,551 kg    | Masa                              |



Mounting dimensions

|             |          |                                      |
|-------------|----------|--------------------------------------|
| $d_{a\min}$ | 124,6 mm | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 145,4 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1 mm     | Maximum fillet radius                |

Dimensions

|            |           |                              |
|------------|-----------|------------------------------|
| $r_{\min}$ | 1 mm      | Minimum chamfer dimension    |
| $D_1$      | 140,61 mm | Shoulder diameter outer ring |
| $d_1$      | 129,7 mm  | Shoulder diameter inner ring |

Temperature range

|            |        |                            |
|------------|--------|----------------------------|
| $T_{\min}$ | -30 °C | Operating temperature min. |
| $T_{\max}$ | 150 °C | Operating temperature max. |

Calculation factors

|       |    |                    |
|-------|----|--------------------|
| $f_0$ | 16 | Calculation factor |
|-------|----|--------------------|

Właściwości

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