



FAG

51411 [↗](#)

Axial deep groove ball bearing

Axial deep groove ball bearing 514, single direction, steel sheet metal cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |    |                                         |
|----------------------------------|----|-----------------------------------------|
| Cage                             | JP | Steel sheet metal                       |
| Tolerance class                  | PN | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150° |

Main Dimensions & Performance Data

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 55 mm       | Inner diameter shaft washer      |
| D               | 120 mm      | Outer diameter housing washer    |
| T               | 48 mm       | Height                           |
| C <sub>a</sub>  | 167.000 N   | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 315.000 N   | Basic static load rating, axial  |
| C <sub>ua</sub> | 14.400 N    | Fatigue load limit, axial        |
| n <sub>G</sub>  | 2.340 1/min | Limiting speed                   |
| n <sub>gr</sub> | 6.000 1/min | Reference speed                  |
| m               | 2,533 kg    | Masa                             |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 94 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 81 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1,5 mm | Maximum filled radius                |



Dimensions

|                  |        |                               |
|------------------|--------|-------------------------------|
| r <sub>min</sub> | 1,5 mm | Minimum chamfer dimension     |
| D <sub>1</sub>   | 57 mm  | Inner diameter housing washer |
| d <sub>1</sub>   | 120 mm | Outer diameter shaft washer   |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |

Calculation factors

|   |      |                     |
|---|------|---------------------|
| A | 0,59 | Minimum load factor |
|---|------|---------------------|

Właściwości

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Obciążenie osiowe jednokierunkowe
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Smarowanie smarem
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Smarowanie olejem
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Bez uszczelnienia