

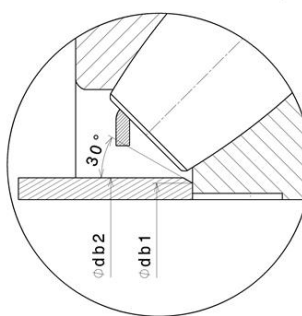
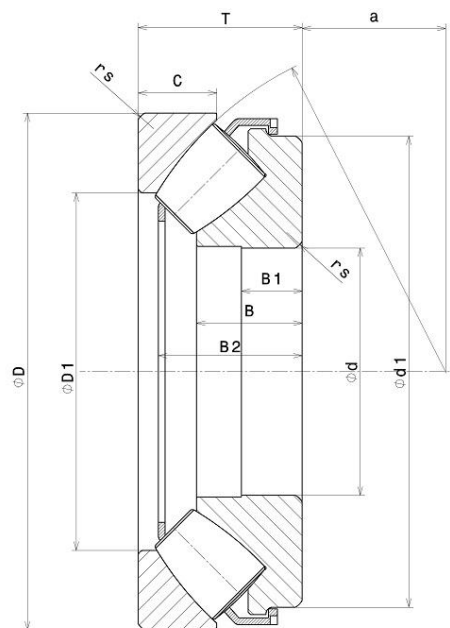
## Technical data

### 29414E

Thrust spherical roller bearings



#### VISUAL (S)



## PRODUCT DEFINITION

|                                                              |          |
|--------------------------------------------------------------|----------|
| <b>Brand</b>                                                 | SNR      |
| <b>d - Internal diameter of shaft washer</b>                 | 70 mm    |
| <b>D - Housing washer outer diameter</b>                     | 150 mm   |
| <b>D1 - Inner diameter housing washer</b>                    | 105 mm   |
| <b>d1 - External diameter shaft washer</b>                   | 131,6 mm |
| <b>T - Thrust bearing height</b>                             | 48 mm    |
| <b>C - Housing washer width</b>                              | 23 mm    |
| <b>B - Shaft washer width</b>                                | 31 mm    |
| <b>B2 - Distance large face of shaft washer / metal cage</b> | 43,5 mm  |
| <b>a - Charge load application point</b>                     | 44 mm    |
| <b>Cage material</b>                                         | Tôle     |
| <b>Mass</b>                                                  | 3,98 kg  |

## PRODUCT PERFORMANCE

|                                            |               |
|--------------------------------------------|---------------|
| <b>Ca - Dynamic axial load rating</b>      | 437000000 mN  |
| <b>C0a - Static axial load rating</b>      | 1280000000 mN |
| <b>Cua - Limit axial load rating</b>       | 151000000 mN  |
| <b>N lim - Oil lubrication limit speed</b> | 13200 °/s     |
| <b>N ref - Reference thermal speed</b>     | 13800 °/s     |
| <b>N lim - Mechanical Limit Speed</b>      | 26400 °/s     |
| <b>Tmin - Min operating temperature</b>    | 233,15 °K     |
| <b>Tmax - Max operating temperature</b>    | 473,15 °K     |

## BEARING FREQUENCIES

|                                                             |          |
|-------------------------------------------------------------|----------|
| <b>BPFO - Over rolling frequency on outer ring (60 rpm)</b> | 7.616 Hz |
|-------------------------------------------------------------|----------|



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## BEARING FREQUENCIES

|                                                                 |          |
|-----------------------------------------------------------------|----------|
| <b>BPFI - Over rolling frequency on inner (60 rpm)</b>          | 9.384 Hz |
| <b>BSF - Over rolling frequency on rolling element (60 rpm)</b> | 5.809 Hz |
| <b>BRF - Rotational frequency - rolling element (60 rpm)</b>    | 2.905 Hz |
| <b>FTF - Rotational frequency - cage (60 rpm)</b>               | 0.448 Hz |

## ABUTMENT

|                                                            |         |
|------------------------------------------------------------|---------|
| <b>ras max - Max shaft &amp; housing fillet radius</b>     | 2 mm    |
| <b>rs - Min fillet radius</b>                              | 2 mm    |
| <b>Da max - Max shoulder diameter OR</b>                   | 126 mm  |
| <b>da min - Min shoulder diameter IR</b>                   | 105 mm  |
| <b>db1 - Maximum diameter of the shaft washer shoulder</b> | 77,5 mm |
| <b>db2 - Max spacer diameter</b>                           | 77,5 mm |

