

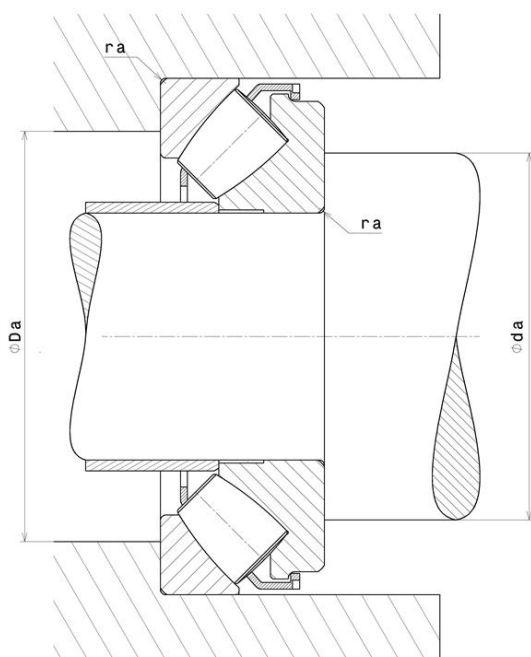
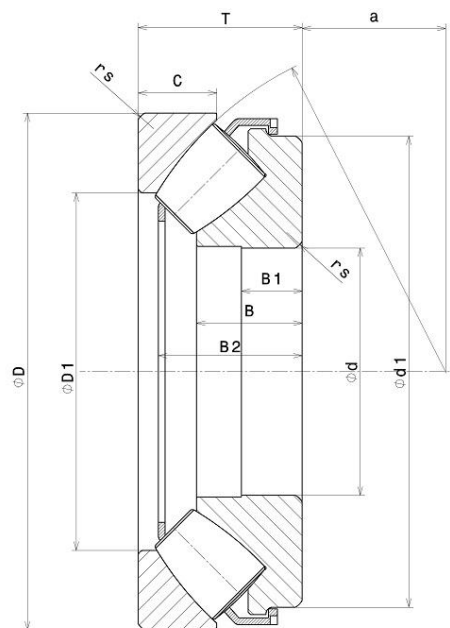
## Technical data

### 29428E

Thrust spherical roller bearings



#### VISUAL (S)



## PRODUCT DEFINITION

|                                                              |          |
|--------------------------------------------------------------|----------|
| <b>Brand</b>                                                 | SNR      |
| <b>d - Internal diameter of shaft washer</b>                 | 140 mm   |
| <b>D - Housing washer outer diameter</b>                     | 280 mm   |
| <b>D1 - Inner diameter housing washer</b>                    | 196,5 mm |
| <b>d1 - External diameter shaft washer</b>                   | 254 mm   |
| <b>T - Thrust bearing height</b>                             | 85 mm    |
| <b>C - Housing washer width</b>                              | 41 mm    |
| <b>B - Shaft washer width</b>                                | 54 mm    |
| <b>B2 - Distance large face of shaft washer / metal cage</b> | 74 mm    |
| <b>a - Charge load application point</b>                     | 86 mm    |
| <b>Cage material</b>                                         | Tôle     |
| <b>Mass</b>                                                  | 23 kg    |

## PRODUCT PERFORMANCE

|                                            |               |
|--------------------------------------------|---------------|
| <b>Ca - Dynamic axial load rating</b>      | 1420000000 mN |
| <b>C0a - Static axial load rating</b>      | 4500000000 mN |
| <b>Cua - Limit axial load rating</b>       | 4390000000 mN |
| <b>N lim - Oil lubrication limit speed</b> | 7200 °/s      |
| <b>N ref - Reference thermal speed</b>     | 7800 °/s      |
| <b>N lim - Mechanical Limit Speed</b>      | 13200 °/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> | 7.583 Hz |
|-------------------------------------------------------------|----------|



**NTN Europe**

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00  
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## BEARING FREQUENCIES

|                                                                 |          |
|-----------------------------------------------------------------|----------|
| <b>BPFI - Over rolling frequency on inner (60 rpm)</b>          | 9.417 Hz |
| <b>BSF - Over rolling frequency on rolling element (60 rpm)</b> | 5.656 Hz |
| <b>BRF - Rotational frequency - rolling element (60 rpm)</b>    | 2.828 Hz |
| <b>FTF - Rotational frequency - cage (60 rpm)</b>               | 0.446 Hz |

## ABUTMENT

|                                                            |        |
|------------------------------------------------------------|--------|
| <b>ras max - Max shaft &amp; housing fillet radius</b>     | 3 mm   |
| <b>rs - Min fillet radius</b>                              | 4 mm   |
| <b>Da max - Max shoulder diameter OR</b>                   | 239 mm |
| <b>da min - Min shoulder diameter IR</b>                   | 205 mm |
| <b>db1 - Maximum diameter of the shaft washer shoulder</b> | 153 mm |
| <b>db2 - Max spacer diameter</b>                           | 162 mm |

