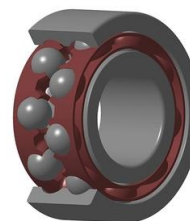


## Technical data

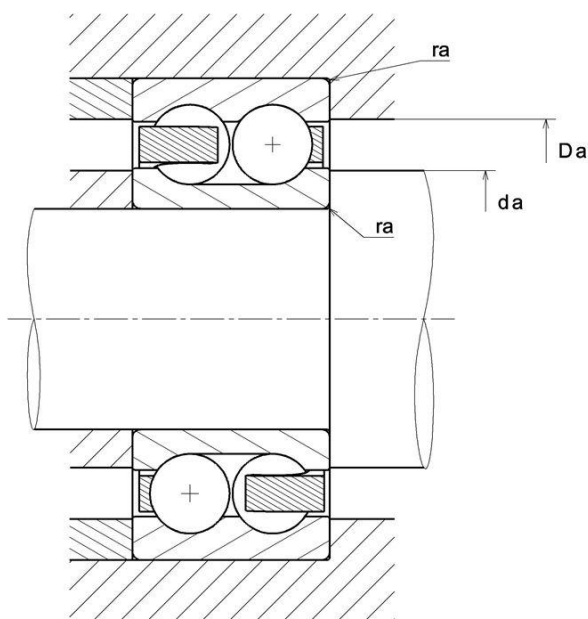
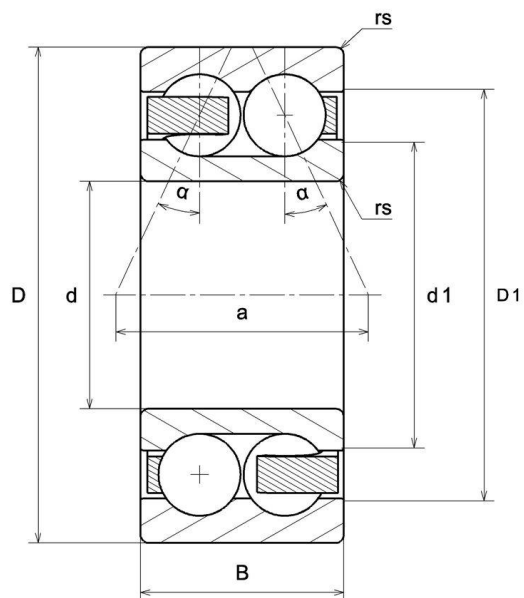
### 3214AC3

Double row angular contact ball bearings



Double row angular contact ball bearing, polyamide cage, open

#### VISUAL (S)



# 3214AC3

Double row angular contact ball bearings

## PRODUCT DEFINITION

|                                   |          |
|-----------------------------------|----------|
| Brand                             | SNR      |
| d - Internal diameter             | 70 mm    |
| D - External diameter             | 125 mm   |
| B - Bearing/Inner ring width      | 39,7 mm  |
| d1 - External diameter inner ring | 86,7 mm  |
| D1 - Inner diameter outer ring    | 106,3 mm |
| a - Charge load application point | 61,6 mm  |
| - Contact angle                   | 25 °     |
| rs - Min fillet radius            | 1,5 mm   |
| Radial clearance class            | C3       |
| Precision class                   | P0       |
| Mass                              | 1,52 kg  |

## PRODUCT PERFORMANCE

|                                  |             |
|----------------------------------|-------------|
| C - Dynamic load                 | 81500000 mN |
| C0 - Static load                 | 76300000 mN |
| Cu - Fatigue limit load          | 4550000 mN  |
| f0 - Coefficient                 | 15.2        |
| N ref - Reference thermal speed  | 27600 °/s   |
| N lim - Mechanical Limit Speed   | 30600 °/s   |
| Tmin - Min operating temperature | 253,15 °K   |
| Tmax - Max operating temperature | 393,15 °K   |

## BEARING FREQUENCIES

|                                                      |         |
|------------------------------------------------------|---------|
| BPFO - Over rolling frequency on outer ring (60 rpm) | 4.68 Hz |
|------------------------------------------------------|---------|



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SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

# 3214AC3

Double row angular contact ball bearings

## BEARING FREQUENCIES

|                                                                 |          |
|-----------------------------------------------------------------|----------|
| <b>BPFI - Over rolling frequency on inner (60 rpm)</b>          | 6.32 Hz  |
| <b>BSF - Over rolling frequency on rolling element (60 rpm)</b> | 5.944 Hz |
| <b>BRF - Rotational frequency - rolling element (60 rpm)</b>    | 2.972 Hz |
| <b>FTF - Rotational frequency - cage (60 rpm)</b>               | 0.425 Hz |

## ABUTMENT

|                                                       |        |
|-------------------------------------------------------|--------|
| <b>da min - Min shoulder diameter IR</b>              | 78 mm  |
| <b>Da max - Max shoulder diameter OR</b>              | 117 mm |
| <b>ra max - Max shaft &amp; housing fillet radius</b> | 1,5 mm |



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