



## 3213 A-2RS1

### Angular contact ball bearings, double row

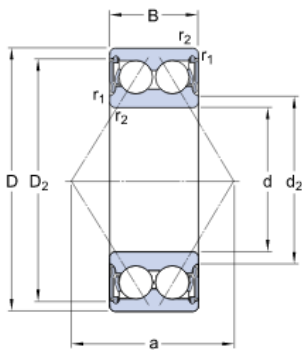
#### Bearing data

Tolerances,  
Normal, P6, P5,  
Internal clearance,  
table, drawing no

#### Bearing interfaces

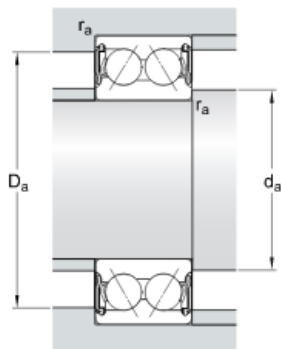
Seat tolerances for standard  
conditions,  
Tolerances and resultant fit

### Technical specification



#### DIMENSIONS

|                  |             |
|------------------|-------------|
| d                | 65 mm       |
| D                | 120 mm      |
| B                | 38.1 mm     |
| d <sub>2</sub>   | ≈ 77.5 mm   |
| D <sub>2</sub>   | ≈ 110.65 mm |
| r <sub>1,2</sub> | min. 1.5 mm |
| a                | 71 mm       |



#### ABUTMENT DIMENSIONS

|                |             |
|----------------|-------------|
| d <sub>a</sub> | min. 74 mm  |
| d <sub>a</sub> | max. 76 mm  |
| D <sub>a</sub> | max. 111 mm |
| r <sub>a</sub> | max. 1.5 mm |

## CALCULATION DATA

|                           |                |            |
|---------------------------|----------------|------------|
| Basic dynamic load rating | C              | 80.6 kN    |
| Basic static load rating  | C <sub>0</sub> | 73.5 kN    |
| Fatigue load limit        | P <sub>u</sub> | 3.1 kN     |
| Limiting speed            |                | 3600 r/min |
| Calculation factor        | k <sub>r</sub> | 0.06       |
| Calculation factor        | e              | 0.8        |
| Calculation factor        | X              | 0.63       |
| Calculation factor        | Y <sub>0</sub> | 0.66       |
| Calculation factor        | Y <sub>1</sub> | 0.78       |
| Calculation factor        | Y <sub>2</sub> | 1.24       |

## MASS

|              |  |         |
|--------------|--|---------|
| Mass bearing |  | 1.75 kg |
|--------------|--|---------|

## More information

| Product details                            | Engineering information                                       | Tools  |
|--|---|--|
| <a href="#">Designs and variants</a> <hr/> | <a href="#">Principles of rolling bearing selection</a> <hr/> | <a href="#">Bearing Select</a> <hr/>   |
| <a href="#">Bearing data</a> <hr/>         | <a href="#">General bearing knowledge</a> <hr/>               | <a href="#">SimPro Quick</a> <hr/>   |
| <a href="#">Loads</a> <hr/>                | <a href="#">Bearing selection process</a> <hr/>               | <a href="#">Engineering Calculator</a> <hr/>                                 |
| <a href="#">Temperature limits</a> <hr/>   | <a href="#">Bearing interfaces</a> <hr/>                      | <a href="#">LubeSelect for SKF greases</a> <hr/>                             |
| <a href="#">Permissible speed</a> <hr/>    | <a href="#">Seat tolerances for standard conditions</a> <hr/> | <a href="#">Heater selection tool</a> <hr/>                                  |
| <a href="#">Designation system</a> <hr/>   | <a href="#">Selecting internal clearance or preload</a> <hr/> | <a href="#">Rolling bearings mounting and dismounting instructions</a> <hr/> |
|  | <a href="#">Lubrication</a> <hr/>                             |  |
|  | <a href="#">Sealing, mounting and dismounting</a> <hr/>       |  |
|  | <a href="#">Bearing failure and how to prevent it</a> <hr/>   |  |

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