



# 6064 M Deep groove ball bearings

- Popular item

## Deep groove ball bearings

### Bearing data

[Tolerances,](#)

Normal (metric), P6, P5, Normal (inch),

[Radial internal clearance,](#)

Matched bearing pairs, Stainless steel

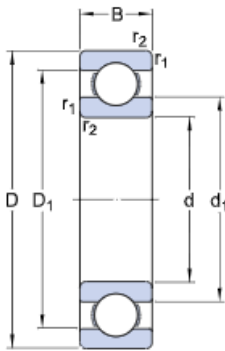
$d < 10$  mm, Other bearings

### Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fits](#)

## Technical specification

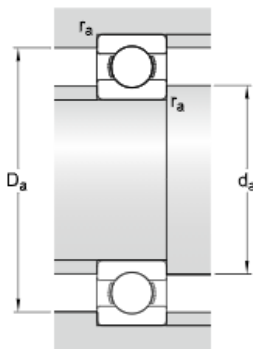


### DIMENSIONS

|           |             |                   |
|-----------|-------------|-------------------|
| d         | 320 mm      | Bore diameter     |
| D         | 480 mm      | Outside diameter  |
| B         | 74 mm       | Width             |
| $d_1$     | ≈ 370.15 mm | Shoulder diameter |
| $D_1$     | ≈ 430.8 mm  | Shoulder diameter |
| $r_{1,2}$ | min. 4 mm   | Chamfer dimension |

### ABUTMENT DIMENSIONS

|         |             |                                   |
|---------|-------------|-----------------------------------|
| $d_\xi$ | min. 335 mm | Diameter of shaft abutment        |
| $D_i$   | max. 465 mm | Diameter of housing abutment      |
| $r_a$   | max. 3 mm   | Radius of shaft or housing fillet |



## CALCULATION DATA

|                |             |                           |
|----------------|-------------|---------------------------|
| C              | 371 kN      | Basic dynamic load rating |
| C <sub>0</sub> | 540 kN      | Basic static load rating  |
| P <sub>u</sub> | 11.4 kN     | Fatigue load limit        |
|                | 2 600 r/min | Reference speed           |
|                | 2 200 r/min | Limiting speed            |
| k <sub>r</sub> | 0.025       | Minimum load factor       |
| f <sub>0</sub> | 15.9        | Calculation factor        |

## MASS

|  |       |              |
|--|-------|--------------|
|  | 46 kg | Mass bearing |
|--|-------|--------------|

## TOLERANCE CLASS

|        |                        |
|--------|------------------------|
| Normal | Dimensional tolerances |
| Normal | Radial run-out         |