



3211 A-2RS1 Angular contact ball bearings, double row

- Popular item

- SKF Explorer

Angular contact ball bearings, double row

Bearing data

[Tolerances](#),

Normal, P6, P5,

[Internal clearance](#),

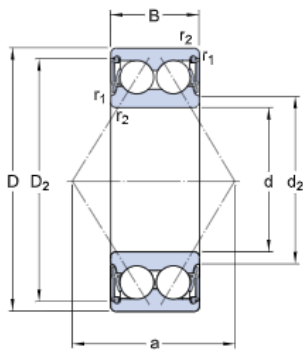
table, drawing no

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

Technical specification

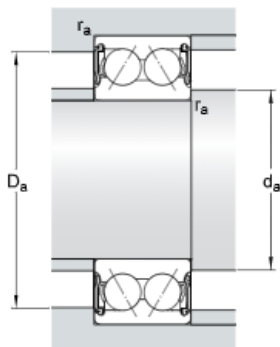


DIMENSIONS

| | | |
|-----------|-------------|-------------------------------------|
| d | 55 mm | Bore diameter |
| D | 100 mm | Outside diameter |
| B | 33.3 mm | Width |
| d_2 | ≈ 63.2 mm | Recess diameter inner ring shoulder |
| D_2 | ≈ 92.3 mm | Recess diameter outer ring shoulder |
| $r_{1,2}$ | min. 1.5 mm | Chamfer dimension inner ring |
| a | 57 mm | Distance pressure point(s) |

ABUTMENT DIMENSIONS

| | | |
|-------|-------------|---------------------------|
| d_a | min. 63 mm | Abutment diameter shaft |
| d_a | max. 63 mm | Abutment diameter shaft |
| D_i | max. 91 mm | Abutment diameter housing |
| r_a | max. 1.5 mm | Fillet radius |



CALCULATION DATA

| | | |
|----------------|-------------|---------------------------|
| C | 61 kN | Basic dynamic load rating |
| C ₀ | 52 kN | Basic static load rating |
| P _u | 2.2 kN | Fatigue load limit |
| | 4 500 r/min | Limiting speed |
| k _r | 0.06 | Calculation factor |
| e | 0.8 | Calculation factor |
| X | 0.63 | Calculation factor |
| Y ₀ | 0.66 | Calculation factor |
| Y ₁ | 0.78 | Calculation factor |
| Y ₂ | 1.24 | Calculation factor |

MASS

| | | |
|--|---------|--------------|
| | 0.91 kg | Mass bearing |
|--|---------|--------------|