



3204 ATN9

- Popular item
- SKF Explorer

Angular contact ball bearings, double row

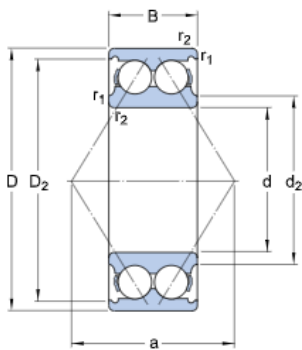
Bearing data

[Tolerances](#),
Normal, P6, P5,
[Internal clearance](#),
table, drawing no

Bearing interfaces

[Seat tolerances for standard conditions](#),
[Tolerances and resultant fit](#)

Technical specification

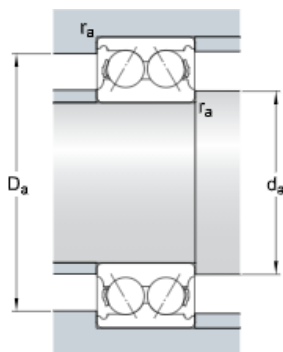


DIMENSIONS

| | | |
|------|----------|-------------------------------------|
| d | 20 mm | Bore diameter |
| D | 47 mm | Outside diameter |
| B | 20.6 mm | Width |
| d2 | ≈27.7 mm | Recess diameter inner ring shoulder |
| D2 | ≈40.9 mm | Recess diameter outer ring shoulder |
| r1,2 | min.1 mm | Chamfer dimension inner ring |
| a | 28 mm | Distance pressure point(s) |

ABUTMENT DIMENSIONS

| | | |
|----|-------------|---------------------------|
| da | min.25.6 mm | Abutment diameter shaft |
| Da | max.41.4 mm | Abutment diameter housing |
| ra | max.1 mm | Fillet radius |



CALCULATION DATA

| | | |
|---------------------------|----------------|--------------|
| Basic dynamic load rating | C | 20.4 kN |
| Basic static load rating | C ₀ | 12.9 kN |
| Fatigue load limit | P _u | 0.55 kN |
| Reference speed | | 16 000 r/min |
| Limiting speed | | 14 000 r/min |
| Calculation factor | 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 |

MASS

| | |
|--------------|---------|
| Mass bearing | 0.16 kg |
|--------------|---------|

More information

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

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