



7305 BECBP Angular contact ball bearings, single row

- Popular item

- SKF Explorer

Angular contact ball bearings, single row

Bearing data

[Tolerances](#),

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

[Internal clearance](#),

CA+CB+CC, G,

[Preload](#),

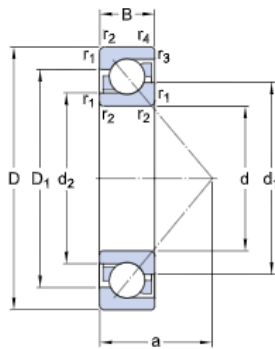
GA+GB+GC

Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

Technical specification



DIMENSIONS

| | | |
|------------------|-------------|--|
| d | 25 mm | Bore diameter |
| D | 62 mm | Outside diameter |
| B | 17 mm | Width |
| d1 | ≈ 39.75 mm | Shoulder diameter inner ring (large side face) |
| d2 | ≈ 32.38 mm | Shoulder diameter inner ring (small side face) |
| D1 | ≈ 48.25 mm | Shoulder diameter outer ring (large side face) |
| a | 26.8 mm | Distance pressure point |
| r _{1,2} | min. 1.1 mm | Chamfer dimension |
| r _{3,4} | min. 0.6 mm | Chamfer dimension outer ring small side face |

ABUTMENT DIMENSIONS

| | | |
|----------------|--------------|---------------------------|
| d _e | min. 32 mm | Abutment diameter shaft |
| D _i | max. 55 mm | Abutment diameter housing |
| D _j | max. 57.8 mm | Abutment diameter housing |
| r _a | max. 1 mm | Fillet radius |
| r _b | max. 0.6 mm | Fillet radius |



CALCULATION DATA

| | | |
|----------------|--------------|---------------------------|
| C | 26.5 kN | Basic dynamic load rating |
| C ₀ | 15.3 kN | Basic static load rating |
| P _u | 0.655 kN | Fatigue load limit |
| | 14 000 r/min | Reference speed |
| | 15 000 r/min | Limiting speed |
| A | 0.004 | Calculation factor |
| k _r | 0.1 | Calculation factor |
| e | 1.14 | Calculation factor |

SINGLE BEARING OR BEARING PAIR ARRANGED IN TANDEM

| | | |
|----------------|------|--------------------|
| X | 0.35 | Calculation factor |
| Y ₀ | 0.26 | Calculation factor |
| Y ₂ | 0.57 | Calculation factor |

BEARING PAIR ARRANGED BACK-TO-BACK OR FACE-TO-FACE

| | | |
|----------------|------|--------------------|
| X | 0.57 | Calculation factor |
| Y ₀ | 0.52 | Calculation factor |
| Y ₁ | 0.55 | Calculation factor |
| Y ₂ | 0.93 | Calculation factor |