



30224 Tapered roller bearings, single row

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Technical specification

4FB

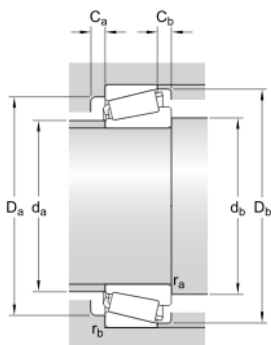


DIMENSIONS

| | | |
|-----------|---------------------|------------------------------|
| d | 120 mm | Bore diameter |
| D | 215 mm | Outside diameter |
| T | 43.5 mm | Total bearing width |
| d_1 | ≈ 161.77 mm | Inner ring shoulder diameter |
| B | 40 mm | Width inner ring |
| C | 34 mm | Width outer ring |
| $r_{1,2}$ | min. 3 mm | Corner radius inner ring |
| $r_{3,4}$ | min. 2.5 mm | Corner radius outer ring |
| a | 42.707 mm | Distance pressure point |

ABUTMENT DIMENSIONS

| | | |
|-------|-------------|---------------------------|
| d_a | max. 141 mm | Abutment diameter shaft |
| d_b | min. 134 mm | Abutment diameter shaft |
| D_a | min. 187 | Abutment diameter housing |



| | | |
|-------|-------------|---|
| | mm | |
| D_a | max. 203 mm | Abutment diameter housing |
| D_b | min. 201 mm | Abutment diameter housing |
| C_a | min. 6 mm | Abutment housing - axial space at the large side face/ both sides of the outer ring |
| C_b | min. 9.5 mm | Abutment housing - axial space at the small side face/ both sides of the outer ring |
| r_a | max. 3 mm | Fillet radius |
| r_b | max. 2.5 mm | Fillet radius |

CALCULATION DATA

| | | |
|-------|------------|---------------------------|
| C | 417 kN | Basic dynamic load rating |
| C_0 | 465 kN | Basic static load rating |
| P_u | 49 kN | Fatigue load limit |
| | 2400 r/min | Reference speed |
| | 3000 r/min | Limiting speed |
| e | 0.43 | Calculation factor |
| Y | 1.4 | Calculation factor |
| Y_0 | 0.8 | Calculation factor |

MASS

| | | |
|--|---------|--------------|
| | 6.13 kg | Mass bearing |
|--|---------|--------------|

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