



30218 Tapered roller bearings, single row

- Popular item
- SKF Explorer

Tapered roller bearings, single row

Technical specification

3FB

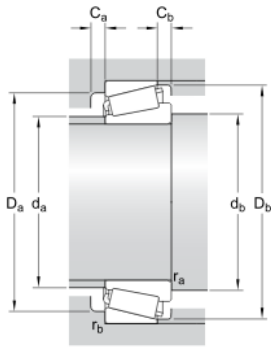


DIMENSIONS

| | | |
|-----------|-------------|------------------------------|
| d | 90 mm | Bore diameter |
| D | 160 mm | Outside diameter |
| T | 32.5 mm | Total bearing width |
| d_1 | ≈ 120.38 mm | Inner ring shoulder diameter |
| B | 30 mm | Width inner ring |
| C | 26 mm | Width outer ring |
| $r_{1,2}$ | min. 2.5 mm | Corner radius inner ring |
| $r_{3,4}$ | min. 2 mm | Corner radius outer ring |
| a | 31.033 mm | Distance pressure point |

ABUTMENT DIMENSIONS

| | | |
|-------|-------------|---------------------------|
| d_a | max. 104 mm | Abutment diameter shaft |
| d_b | min. 102 mm | Abutment diameter shaft |
| D_a | min. 140 | Abutment diameter housing |



| | | |
|-------|-------------|---|
| | mm | |
| D_a | max. 150 mm | Abutment diameter housing |
| D_b | min. 150 mm | Abutment diameter housing |
| C_a | min. 5 mm | Abutment housing - axial space at the large side face/ both sides of the outer ring |
| C_b | min. 6.5 mm | Abutment housing - axial space at the small side face/ both sides of the outer ring |
| r_a | max. 2.5 mm | Fillet radius |
| r_b | max. 2 mm | Fillet radius |

CALCULATION DATA

| | | |
|-------|------------|---------------------------|
| C | 240 kN | Basic dynamic load rating |
| C_0 | 245 kN | Basic static load rating |
| P_u | 28.5 kN | Fatigue load limit |
| | 3400 r/min | Reference speed |
| | 4000 r/min | Limiting speed |
| e | 0.43 | Calculation factor |
| Y | 1.4 | Calculation factor |
| Y_0 | 0.8 | Calculation factor |

MASS

| | | |
|--|---------|--------------|
| | 2.53 kg | Mass bearing |
|--|---------|--------------|

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