

M 349549/510

Tapered roller bearings, single row

Bearing data

Tolerances,

Normal and CL7C, CLN, Normal and CL, deviating width

Bearing interfaces

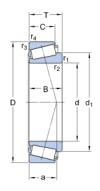
Seat tolerances for standard

conditions,

Tolerances and resultant fit

Technical specification

Dimension series M 349500



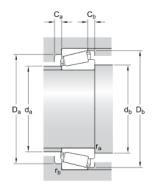
DIMENSIONS

| d | 257.175 mm |
|------------------|-------------|
| D | 342.9 mm |
| Т | 57.15 mm |
| d_1 | ≈ 296.8 mm |
| В | 57.15 mm |
| С | 44.45 mm |
| r _{1,2} | min. 6.4 mm |
| r _{3,4} | min. 3.3 mm |
| a | 59.47 mm |

ABUTMENT DIMENSIONS

| d_a | max. 273 mm |
|----------------|---------------|
| d_b | min. 280.5 mm |
| D _a | min. 318 mm |
| D_a | max. 327 mm |





| D_b | min. 331 mm |
|----------------|--------------|
| C_a | min. 9 mm |
| C_b | min. 12.5 mm |
| r _a | max. 6.4 mm |
| r_b | max. 3.3 mm |
| | |

CALCULATION DATA

| Basic dynamic load rating | С | 698 kN |
|---------------------------|-------------|------------|
| Basic static load rating | C_0 | 1400 kN |
| Fatigue load limit | $P_{\rm u}$ | 125 kN |
| Reference speed | | 1200 r/min |
| Limiting speed | | 1600 r/min |
| Calculation factor | е | 0.35 |
| Calculation factor | Υ | 1.7 |
| Calculation factor | Yn | 0.9 |

MASS

| Mass bearing | 14.1 kg |
|--------------|---------|
|--------------|---------|





More information

| Designs | Designs | | | SimPro | SimPro | |
|-------------------------------|-------------------------------|---|------------------------------------|-----------------------------------|-----------------------------------|--------------------------------|
| and variants | and variants | Principles of rolling | Principles of rolling | Quick ——— Bearing | Quick ——— Bearing | |
| Bearing data | Bearing data | bearing -selection General bearing k nowledge | -selection General bearing k | bearing -selection General | Select | Select |
| Loads | Loads | | | nowledge nowledge | _ | Engineer ing Calcul ator |
| Tempera ture limits | Tempera ture limits | Bearing selection process | Bearing selection process | LubeSele ct for SKF greases | LubeSele ct for SKF greases | |
| Permissi ble speed | Permissi ble speed | Bearing failure | Bearing failure | Heater Selection | Heater Selection | |
| Design c onsiderati ons | Design c onsiderati ons | and how to prevent it | and how to prevent it | Tool Oil Injection Method | Tool Oil Injection Method | |
| Bearing designati ons | Bearing designati ons | | | Program skf.com/ mount | Program skf.com/ mount | |
| Designati on system | Designati on system | | | | | |

5KF.



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