



M 12649/610

SKF Explorer

Tapered roller bearings, single row

Bearing data

Tolerances,

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

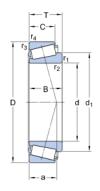
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

Dimension series M 12600



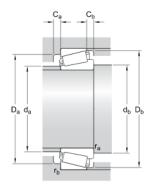
DIMENSIONS

| d | 21.43 mm |
|------------------|-------------|
| D | 50.005 mm |
| Т | 17.526 mm |
| d_1 | ≈ 34.6 mm |
| В | 18.288 mm |
| С | 13.97 mm |
| r _{1,2} | min. 1.3 mm |
| r _{3,4} | min. 1.3 mm |
| a | 10.745 mm |

ABUTMENT DIMENSIONS

| d _a | max. 28 mm |
|----------------|--------------|
| d _b | min. 28.5 mm |
| D _a | min. 43 mm |
| D_a | max. 43.5 mm |





| D_b | min. 46 mm |
|----------------|-------------|
| C_a | min. 3 mm |
| C_{b} | min. 3.5 mm |
| r _a | max. 1.3 mm |
| r_b | max. 1.3 mm |

CALCULATION DATA

| Basic dynamic load rating | С | 45.4 kN |
|---------------------------|---------|-------------|
| Basic static load rating | C_0 | 38 kN |
| Fatigue load limit | P_{u} | 4.15 kN |
| Reference speed | | 12000 r/min |
| Limiting speed | | 15000 r/min |
| Calculation factor | е | 0.28 |
| Calculation factor | Υ | 2.1 |
| Calculation factor | Yo | 1.1 |

MASS

| Mass bearing | 0.17 kg |
|--------------|---------|
|--------------|---------|





More information

| Designs | Designs | | | SimPro | SimPro | |
|-------------------------------|-------------------------------|---|-----------------------------|-----------------------------------|-----------------------------------|--------------------------------|
| and variants | and variants | Principles of rolling bearing -selection General bearing k nowledge | Principles of rolling | Quick ——— Bearing | Quick ——— Bearing | |
| Bearing data | Bearing data | | selection General bearing k | bearing -selection General | Select | Select |
| Loads | Loads | | | bearing k nowledge | Engineer ing Calcul ator | 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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