



32212

Popular item SKF Explorer

Tapered roller bearings, single row

Bearing data

Tolerances,

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

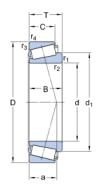
Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

Dimension series ????



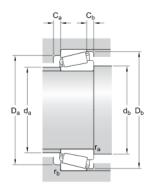
DIMENSIONS

| d | 60 mm |
|------------------|-------------|
| D | 110 mm |
| Т | 29.75 mm |
| d_1 | ≈ 81.9 mm |
| В | 28 mm |
| С | 24 mm |
| r _{1,2} | min. 2 mm |
| r _{3,4} | min. 1.5 mm |
| a | 24.052 mm |
| | |

ABUTMENT DIMENSIONS

| d_a | max. 69 mm |
|----------------|--------------|
| d_b | min. 70.5 mm |
| D_a | min. 95 mm |
| D _a | max. 102 mm |





| D_b | min. 104 mm |
|----------------|-------------|
| C_a | min. 4 mm |
| C_b | min. 5.5 mm |
| r _a | max. 2 mm |
| r_b | max. 1.5 mm |
| | |

CALCULATION DATA

| Basic dynamic load rating | С | 155 kN |
|---------------------------|---------|------------|
| Basic static load rating | C_0 | 160 kN |
| Fatigue load limit | P_{u} | 18.6 kN |
| Reference speed | | 5000 r/min |
| Limiting speed | | 6000 r/min |
| Calculation factor | е | 0.4 |
| Calculation factor | Υ | 1.5 |
| Calculation factor | Yn | 0.8 |

MASS

| Mass bearing | 1.15 kg |
|---------------|---------|
| riass bearing | ±:±5 Ng |





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 | bearing -selection General | Select | Select |
| Loads | Loads | | | bearing k 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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