



K 81103 TN

Cylindrical roller thrust bearings

Bearing data, Design considerations

[Tolerances,](#)

[table, table, values,](#)

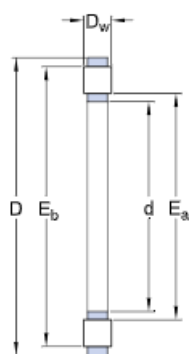
[Design considerations,](#)

[table](#)

Bearing interfaces

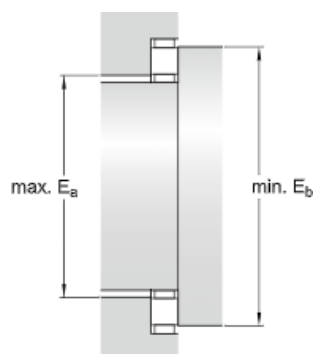
[Seat tolerances for standard conditions](#)

Technical specification



DIMENSIONS

| | |
|----------------|--------|
| d | 17 mm |
| D | 30 mm |
| D _w | 3.5 mm |
| E _a | 18 mm |
| E _b | 29 mm |



CALCULATION DATA

| | | |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C | 12.2 kN |
| Basic static load rating | C ₀ | 31.5 kN |
| Fatigue load limit | P _u | 2.85 kN |
| Reference speed | | 4 300 r/min |
| Limiting speed | | 8 500 r/min |
| Minimum axial load factor | A | 0 |

MASS

| | |
|--------------------------------------|----------|
| Mass roller and cage thrust assembly | 0.009 kg |
|--------------------------------------|----------|

ASSOCIATED PRODUCTS

| | |
|------------------|----------|
| Shaft washer | WS 81103 |
| Housing washer | GS 81103 |
| Universal washer | LS 1730 |

More information

| | | |
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| <p>Product details</p> <p>Designs and variants</p> <hr/> <p>Bearing data</p> <hr/> <p>Loads</p> <hr/> <p>Temperature limits</p> <hr/> <p>Permissible speed</p> <hr/> <p>Design considerations</p> <hr/> <p>Designation system</p> <hr/> | <p>Engineering information</p> <p>Principles of rolling bearing selection</p> <hr/> <p>General bearing knowledge</p> <hr/> <p>Bearing selection process</p> <hr/> <p>Bearing failure and how to prevent it</p> <hr/> | <p>Tools</p> <p>SimPro Quick</p> <hr/> <p>Bearing Select</p> <hr/> <p>Engineering Calculator</p> <hr/> <p>LubeSelect for SKF greases</p> <hr/> <p>Heater selection tool</p> <hr/> |
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