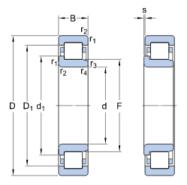


## Technical specification



# NJ 306 ECM

Cylindrical roller bearings, single row

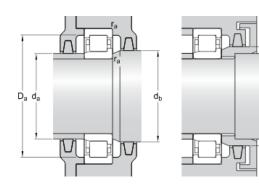
Bearing data Tolerances, Normal (metric), P6, Normal (inch), Radial internal clearance, cylindrical bore, tapered bore, Axial internal clearance, NUP, NJ + HJ Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

### DIMENSIONS

| d                | 30 mm       |
|------------------|-------------|
| D                | 72 mm       |
| В                | 19 mm       |
| d <sub>1</sub>   | ≈ 45 mm     |
| D <sub>1</sub>   | ≈ 58.35 mm  |
| F                | 40.5 mm     |
| r <sub>1,2</sub> | min. 1.1 mm |
| r <sub>3,4</sub> | min. 1.1 mm |
| S                | max. 1.4 mm |

## ABUTMENT DIMENSIONS

| d <sub>a</sub> | min. 37 mm   |
|----------------|--------------|
| d <sub>a</sub> | max. 39 mm   |
| d <sub>b</sub> | min. 47 mm   |
| D <sub>a</sub> | max. 65.1 mm |
| r <sub>a</sub> | max. 1 mm    |



d

## **5KF**•

### CALCULATION DATA

| Basic dynamic load rating | С              | 58.5 kN     |
|---------------------------|----------------|-------------|
| Basic static load rating  | C <sub>O</sub> | 48 kN       |
| Fatigue load limit        | Pu             | 6.2 kN      |
| Reference speed           |                | 11000 r/min |
| Limiting speed            |                | 12000 r/min |
| Calculation factor        | k <sub>r</sub> | 0.15        |
| Limiting value            | e              | 0.2         |
| Axial load factor         | Y              | 0.6         |

#### MASS

|--|

### ASSOCIATED PRODUCTS

| Angle ring | HJ 306 EC |
|------------|-----------|
|------------|-----------|





## More information

| Product details  | Product details  | Engineering in  | n forn Eanlaigianneering ir  | nformTætøken   | Tools  |
|--|--|---|--|--|--|
| Designs<br>and<br>variants                                 | Designs<br>and<br>variants                                 | Principles<br>of rolling  | Principles<br>of rolling   | SimPro<br>Quick  | SimPro<br>Quick  |
| Bearing<br>data  | Bearing<br>data  | bearing<br>selection<br>General<br>bearing k<br>nowledge<br>Bearing<br>selection<br>process<br>Bearing<br>failure | ring bearing<br>ection -selection<br>neral General<br>ring k bearing k | Bearing<br>Select<br>Engineer  | Bearing<br>Select<br>Engineer  |
| Loads  | Loads<br>Tempera   |   |  | ing Calcul<br>ator   | ing Calcul<br>ator   |
| ture   | ture   |   | Bearing<br>selection<br>process  | LubeSele<br>ct for SKF<br>greases  | LubeSele<br>ct for SKF<br>greases  |
| Permissi<br>ble speed                                      | Permissi<br>ble speed                                      |   | BearingBearingfailurefailureand howand how                             | Heater<br>selection<br>tool<br>Oil<br>Injection<br>Method<br>Program<br>Rolling<br>bearings<br>mounting<br>and dism<br>ounting i | Heater<br>selection<br>tool<br>Oil<br>Injection<br>Method<br>Program<br>Rolling<br>bearings<br>mounting<br>and dism<br>ounting i |
| Design c<br>onsiderati<br>ons<br>Designati<br>on<br>system | Design c<br>onsiderati<br>ons<br>Designati<br>on<br>system | to  |  |  |  |
|  |  |   |  | <u>nstruc</u> tio<br>ns  | <u>nstruc</u> tio  |



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