

# NJ 220 ECJ

Popular item SKF Explorer

# Cylindrical roller bearings, single row

Bearing data

Tolerances,

Normal (metric), P6, Normal (inch),

Radial internal clearance,

cylindrical bore, tapered bore,

Axial internal clearance,

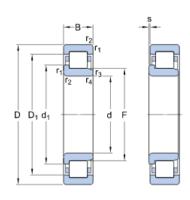
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

# Technical specification

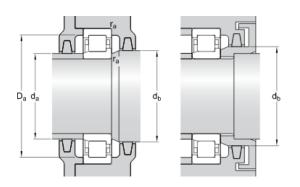


### **DIMENSIONS**

| d                | 100 mm      |
|------------------|-------------|
| D                | 180 mm      |
| В                | 34 mm       |
| $d_1$            | ≈ 127 mm    |
| $D_1$            | ≈ 155.55 mm |
| F                | 119 mm      |
| r <sub>1,2</sub> | min. 2.1 mm |
| r <sub>3,4</sub> | min. 2.1 mm |
| S                | max. 1.7 mm |

#### ABUTMENT DIMENSIONS







### CALCULATION DATA

| Basic dynamic load rating | С       | 285 kN     |
|---------------------------|---------|------------|
| Basic static load rating  | $C_0$   | 305 kN     |
| Fatigue load limit        | $P_{u}$ | 36.5 kN    |
| Reference speed           |         | 4000 r/min |
| Limiting speed            |         | 4500 r/min |
| Calculation factor        | $k_r$   | 0.15       |
| Limiting value            | е       | 0.2        |
| Axial load factor         | Υ       | 0.6        |

### MASS

| Mass bearing | 3.55 kg |
|--------------|---------|
|--------------|---------|

### ASSOCIATED PRODUCTS

| Angle ring | HJ 220 EC |
|------------|-----------|
|------------|-----------|

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## More information

| Product details   | Product details   | Engineering in   | fornEantojomeering in   |  | Tools  |
|---|---|--|---|--|--|
| Designs and variants Bearing data Loads   | Designs and variants  Bearing data  Loads   | Principles of rolling bearing -selection General bearing k       | Principles of rolling bearing -selection General bearing k      | SimPro Quick  Bearing Select  Engineer ing Calcul  | SimPro Quick Bearing Select Engineer ing Calcul  |
| Tempera ture limits Permissi ble speed  Design c onsiderati ons Designati on system | Tempera ture limits Permissi ble speed  Design c onsiderati ons Designati on system | Bearing selection process  Bearing failure and how to prevent it | Bearing selection process Bearing failure and how to prevent it | LubeSele ct for SKF greases Heater selection tool Oil Injection Method Program Rolling bearings mounting and dism ounting i nstructio ns | ator  LubeSele ct for SKF greases  Heater selection tool  Oil Injection Method Program Rolling bearings mounting and dism ounting instructions |

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