

NU 316 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,

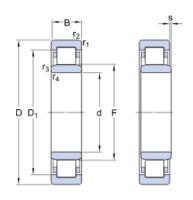
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

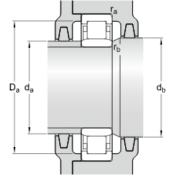
Technical specification



DIMENSIONS

| d | 80 mm |
|------------------|-------------|
| D | 170 mm |
| В | 39 mm |
| D_1 | ≈ 142.7 mm |
| F | 101 mm |
| r _{1,2} | min. 2.1 mm |
| r _{3,4} | min. 2.1 mm |
| S | max. 2.1 mm |





| d _a | min. 92 mm |
|----------------|---------------|
| d_a | max. 98 mm |
| d_b | min. 104 mm |
| D_a | max. 157.8 mm |
| r_{a} | max. 2 mm |
| r _b | max. 2 mm |



CALCULATION DATA

| Basic dynamic load rating | С | 300 kN |
|---------------------------|----------------|------------|
| Basic static load rating | C_0 | 290 kN |
| Fatigue load limit | P_{u} | 36 kN |
| Reference speed | | 4300 r/min |
| Limiting speed | | 5000 r/min |
| Calculation factor | k _r | 0.15 |
| Limiting value | е | 0.2 |
| Axial load factor | Υ | 0.6 |

MASS

ASSOCIATED PRODUCTS

| Angle ring | HJ 316 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 |

5KF.



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