

NU 318 ECM

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,

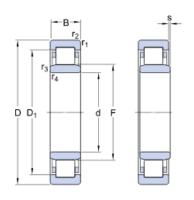
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

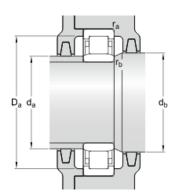


DIMENSIONS

| d | 90 mm |
|------------------|-------------|
| D | 190 mm |
| В | 43 mm |
| D_1 | ≈ 160.3 mm |
| F | 113.5 mm |
| r _{1,2} | min. 3 mm |
| r _{3,4} | min. 3 mm |
| S | max. 2.5 mm |

ABUTMENT DIMENSIONS







CALCULATION DATA

| Basic dynamic load rating | С | 365 kN |
|---------------------------|----------------|------------|
| Basic static load rating | C_0 | 360 kN |
| Fatigue load limit | P_{u} | 43 kN |
| Reference speed | | 3800 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 | 6.03 kg |
|--------------|---------|
|--------------|---------|

ASSOCIATED PRODUCTS

| Angle ring | HJ 318 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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