

NJ 2311 ECML

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,

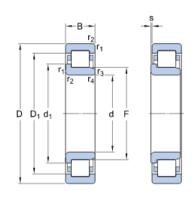
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

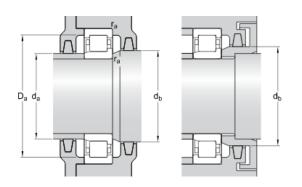


DIMENSIONS

| d | 55 mm |
|------------------|-------------|
| D | 120 mm |
| В | 43 mm |
| d_1 | ≈ 77.5 mm |
| D_1 | ≈ 101 mm |
| F | 70.5 mm |
| r _{1,2} | min. 2 mm |
| r _{3,4} | min. 2 mm |
| S | max. 3.5 mm |

ABUTMENT DIMENSIONS







CALCULATION DATA

| Basic dynamic load rating | С | 232 kN |
|---------------------------|---------|-------------|
| Basic static load rating | C_0 | 232 kN |
| Fatigue load limit | P_{u} | 30.5 kN |
| Reference speed | | 6000 r/min |
| Limiting speed | | 11000 r/min |
| Calculation factor | k_r | 0.38 |
| Limiting value | е | 0.3 |
| Axial load factor | Υ | 0.4 |

MASS

| Mass bearing | 2.54 kg |
|--------------|---------|
|--------------|---------|

ASSOCIATED PRODUCTS

5KF.



More information

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

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