

NUP 305 ECP

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,

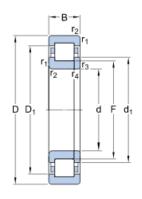
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

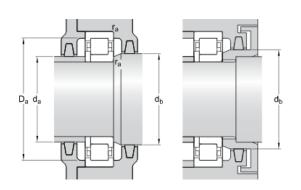


DIMENSIONS

| d | 25 mm |
|------------------|-------------|
| D | 62 mm |
| В | 17 mm |
| d_1 | ≈ 38.1 mm |
| D_1 | ≈ 50.25 mm |
| F | 34 mm |
| r _{1,2} | min. 1.1 mm |
| r _{3,4} | min. 1.1 mm |

ABUTMENT DIMENSIONS

| d _a | min. 31 mm |
|----------------|--------------|
| d_b | min. 40 mm |
| D _a | max. 54.9 mm |
| r _a | max. 1 mm |





CALCULATION DATA

| Basic dynamic load rating | С | 46.5 kN |
|---------------------------|---------|-------------|
| Basic static load rating | C_0 | 36.5 kN |
| Fatigue load limit | P_{u} | 4.55 kN |
| Reference speed | | 12000 r/min |
| Limiting speed | | 15000 r/min |
| Calculation factor | k_r | 0.15 |
| Limiting value | е | 0.2 |
| Axial load factor | Υ | 0.6 |

MASS

| Mass bearing | 0.25 kg |
|--------------|---------|
|--------------|---------|





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 limits Permissi d ble speed Design c onsiderati ons | 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 | | 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 |

5KF.



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