

NU 308 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,

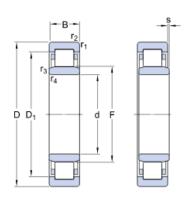
NUP, NJ + HJ

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

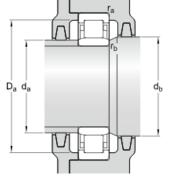
Technical specification



DIMENSIONS

| d | 40 mm |
|------------------|-------------|
| D | 90 mm |
| В | 23 mm |
| D_1 | ≈ 75.55 mm |
| F | 52 mm |
| r _{1,2} | min. 1.5 mm |
| r _{3,4} | min. 1.5 mm |
| S | max. 1.4 mm |

ABUTMENT DIMENSIONS



| a min. 48 mm | a |
|--------------|----------------|
| max. 50 mm | d_a |
| min. 54 mm | d _b |
| max. 81.8 mm | D_{a} |
| max. 1.5 mm | ra |
| max. 1.5 mm | r_b |



CALCULATION DATA

| Basic dynamic load rating | С | 93 kN |
|---------------------------|----------------|-------------|
| Basic static load rating | C_0 | 78 kN |
| Fatigue load limit | P_{u} | 10.2 kN |
| Reference speed | | 8000 r/min |
| Limiting speed | | 15000 r/min |
| Calculation factor | k _r | 0.23 |
| Limiting value | е | 0.2 |
| Axial load factor | Υ | 0.6 |

MASS

| Mass bearing | 0.73 kg |
|--------------|---------|
|--------------|---------|

ASSOCIATED PRODUCTS

| Angle ring | HJ 308 EC |
|------------|-----------|
|------------|-----------|

5KF.



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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