

NJ 1044 ML

Cylindrical roller bearings, single row

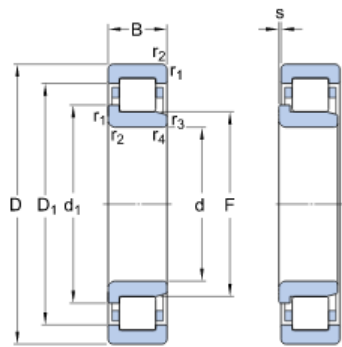
Bearing data

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

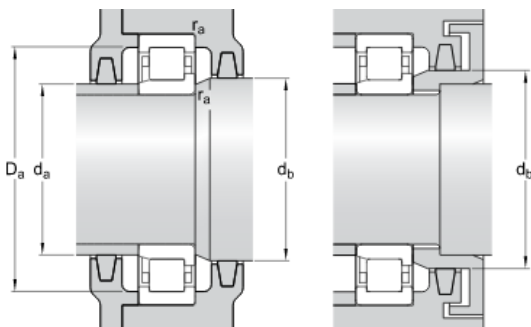


DIMENSIONS

| | |
|------------------|-------------|
| d | 220 mm |
| D | 340 mm |
| B | 56 mm |
| d ₁ | ≈ 262 mm |
| D ₁ | ≈ 296.2 mm |
| F | 250 mm |
| r _{1,2} | min. 3 mm |
| r _{3,4} | min. 3 mm |
| s | max. 7.5 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|-------------|
| d _a | min. 233 mm |
| d _a | max. 246 mm |
| d _b | min. 266 mm |
| D _a | max. 328 mm |
| r _a | max. 2.5 mm |



CALCULATION DATA

| | | |
|---------------------------|----------------|------------|
| Basic dynamic load rating | C | 495 kN |
| Basic static load rating | C ₀ | 735 kN |
| Fatigue load limit | P _u | 73.5 kN |
| Reference speed | | 2200 r/min |
| Limiting speed | | 3200 r/min |
| Calculation factor | k _r | 0.15 |
| Limiting value | e | 0.2 |
| Axial load factor | Y | 0.6 |

MASS

| | |
|--------------|---------|
| Mass bearing | 18.8 kg |
|--------------|---------|

ASSOCIATED PRODUCTS

| | |
|------------|---------|
| Angle ring | HJ 1044 |
|------------|---------|

More information

| Product details | Product details | Engineering information | Engineering information | Tools | Tools |
|---------------------------------------|---------------------------------------|---|---|--|--|
| Designs and variants | Designs and variants | Principles of rolling bearing selection | Principles of rolling bearing selection | SimPro Quick | SimPro Quick |
| Bearing data | Bearing data | General bearing knowledge | General bearing knowledge | Bearing Select | Bearing Select |
| Loads | Loads | | | Engineering Calculator | Engineering Calculator |
| Temperature limits | Temperature limits | Bearing selection process | Bearing selection process | LubeSelect for SKF greases | LubeSelect for SKF greases |
| Permissible speed | Permissible speed | Bearing failure and how to prevent it | Bearing failure and how to prevent it | Heater selection tool | Heater selection tool |
| Design considerations | Design considerations | | | Oil Injection Method Program | Oil Injection Method Program |
| Designation system | Designation system | | | Rolling bearings mounting and dismounting instructions | Rolling bearings mounting and dismounting instructions |

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