



## NJ 204 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](#),

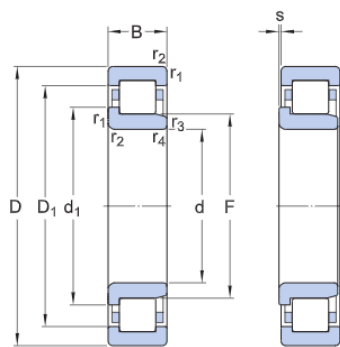
NUP, NJ + HJ

#### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

## Technical specification

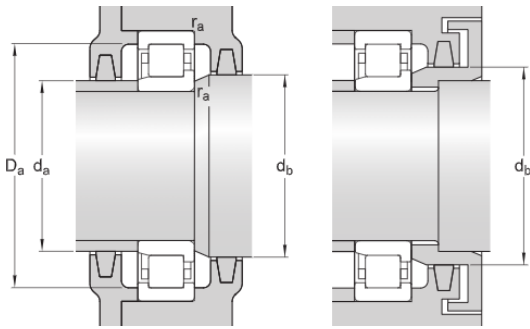


### DIMENSIONS

|      |            |  |
|------|------------|--|
| d    | 20 mm      | Bore diameter                          |
| D    | 47 mm      | Outside diameter                       |
| B    | 14 mm      | Width                                  |
| d1   | ≈29.7 mm   | Shoulder diameter of inner ring        |
| D1   | ≈38.44 mm  | Shoulder diameter of outer ring        |
| F    | 26.5 mm    | Chamfer dimension of loose flange ring |
| r1,2 | min.1 mm   | Chamfer dimension                      |
| r3,4 | min.0.6 mm | Chamfer dimension                      |
| s    | max.1 mm   | Permissible axial displacement         |

### ABUTMENT DIMENSIONS

|    |             |                            |
|----|-------------|----------------------------|
| da | min.25 mm   | Diameter of spacer sleeve  |
| da | max.25.4 mm | Diameter of spacer sleeve  |
| db | min.31 mm   | Diameter of shaft abutment |
|    | max.41.7 mm | Diameter of                |



|       |             |                  |
|-------|-------------|------------------|
| $D_a$ | mm          | housing abutment |
| $r_a$ | max.1<br>mm | Radius of fillet |

## CALCULATION DATA

|                           |       |              |
|---------------------------|-------|--------------|
| Basic dynamic load rating | C     | 28.5 kN      |
| Basic static load rating  | $C_0$ | 22 kN        |
| Fatigue load limit        | $P_u$ | 2.75 kN      |
| Reference speed           |       | 17 000 r/min |
| Limiting speed            |       | 19 000 r/min |
| Minimum load factor       | $k_r$ | 0.15         |
| Limiting value            | e     | 0.2          |
| Axial load factor         | Y     | 0.6          |

## MASS

|      |         |
|------|---------|
| Mass | 0.11 kg |
|------|---------|