

Image may differ from product. See technical specification for details.

# IR 100X110X30

Inner ring for needle roller bearings, IR series

Inner rings for needle roller bearings are available as separate components. They are typically combined with needle roller and cage assemblies or drawn cup needle roller bearings in applications where the shaft cannot be hardened and ground. The inner rings in the IR series are the standard SKF inner rings for needle roller bearings.

- Enable full interchangeability of inner rings
- Standard SKF inner rings for needle roller bearings
- Accommodate axial displacement in both directions

# Overview

## Dimensions

| | |
|---|---|
| Bore diameter | 100 mm |
| Outside diameter | 110 mm |
| Width | 30 mm |
| Raceway diameter | 110 mm |

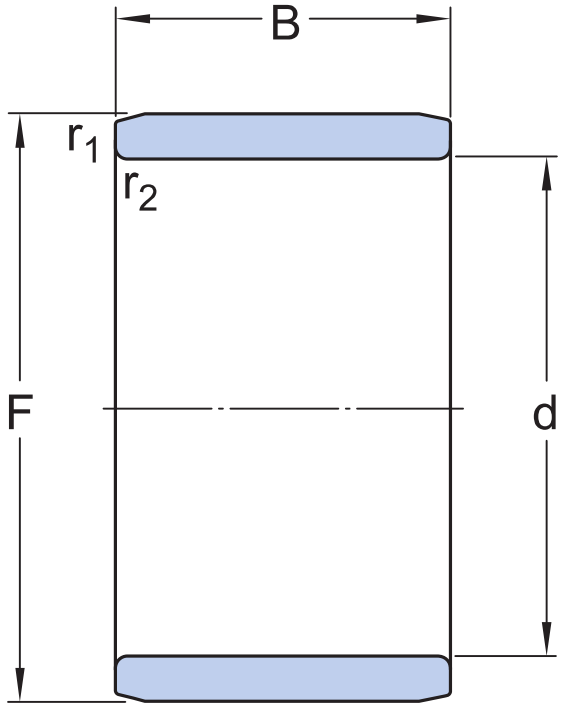
## Properties

| | |
|---|---|
| Special raceway feature | None |
| Radial internal clearance | CN |
| Tolerance class | Normal |
| Material | Bearing steel |
| Coating | Without |
| Relubrication feature | Without |

## Logistics

| | |
|---|---|
| Product net weight | 0.375 kg |
| eClass code | 23-05-09-03 |
| UNSPSC code | 31171512 |

## Technical specification




### Dimensions

| | | |
|---|---|---|
| d | 100 mm | Bore diameter |
| F | 110 mm | Raceway diameter |
| B | 30 mm | Width |
| r, $r_{1,2}$ | min. 1.1 mm | Chamfer dimension inner ring |

### Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances: IR series, LR series, raceways

## More Information

### Product details

- General bearing specifications
- Designation system

### Engineering information

- Principles of rolling bearing selection
- General bearing knowledge
- Bearing selection process
- Bearing failure and how to prevent it

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