

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

IR 35X42X36

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. They are hardened

and ground and have a precision ground raceway surface with a lead-in chamfer on both sides.

- Enable full interchangeability of inner rings
- Standard SKF inner rings for needle roller bearings
- Accommodate axial displacement in both directions
- Chamfers facilitate assembly and protect seal lips during mounting

Overview

Dimensions

Bore diameter	35 mm
Outside diameter	42 mm
Width	36 mm
Raceway diameter	42 mm

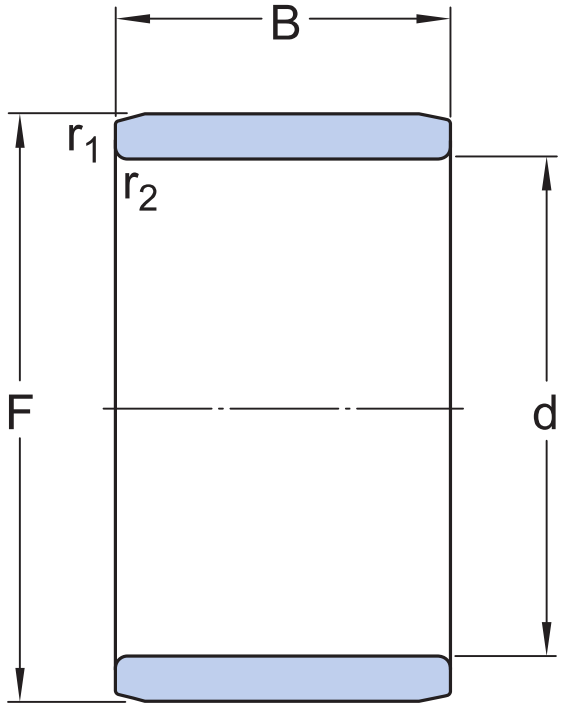
Properties

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

Logistics

Product net weight	0.117 kg
eClass code	23-05-09-03
UNSPSC code	31171512

Technical specification



Dimensions

d	35 mm	Bore diameter
F	42 mm	Raceway diameter
B	36 mm	Width
r, $r_{1,2}$	min. 0.6 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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