


## Needle roller bearing GBRI203316-IKO - GBRI203316-IKO

<https://www.123bearing.co.uk/bearing-housing/needle-roller-bearing/needle/gbri203316-iko>

**IKO**  
**MACHINED TYPE NEEDLE ROLLER BEARINGS**  
Without Inner Ring, Inch Series



| Shaft dia.<br>mm<br>(inch) | Identification<br>number | Mass<br>(Ref.)<br>g | Boundary dimensions mm(inch) |              |              |          |                      |
|----------------------------|--------------------------|---------------------|------------------------------|--------------|--------------|----------|----------------------|
|                            |                          |                     | <i>d</i>                     | <i>D</i>     | <i>C</i>     | <i>B</i> | <i>F<sub>w</sub></i> |
| <b>31.750</b><br>(1 1/4)   | <b>GBRI 203316</b>       | 235                 | 31.750 (1) 0                 | 52.388 (2) 0 | 25.400 (1) 0 | 25.650   | 38.100 (1) 0         |

| Standard mounting dimensions mm |                              |                              |                                 | Ball diam.<br>mm<br><i>C</i> | Basic rating<br>N | Limiting<br>rating<br>C <sub>0</sub><br>N | Allowable<br>rotational<br>speed (2)<br>rpm | Assembled inner ring<br><b>LRBZ 202416</b> |
|---------------------------------|------------------------------|------------------------------|---------------------------------|------------------------------|-------------------|---|---|--|
| <i>d<sub>s</sub></i><br>Min.    | <i>d<sub>s</sub></i><br>Max. | <i>D<sub>s</sub></i><br>Max. | <i>r<sub>sm</sub></i> (1)<br>mm |                              |                   |   |   |  |
| 37                              | 37.1                         | 47.3                         | 0.6                             | 54 200                       | 97 700            | 4 000                                     | <b>LRBZ 202416</b>                          |  |

Notes: (1) Maximum permissible corner radius of the housing.  
(2) Allowable rotational speed applies to oil lubrication. For grease lubrication, a maximum of 60% of this value is allowable.  
Remarks: 1. The outer ring has an oil groove and an oil hole.  
2. No grease is pre-applied. Perform proper lubrication.

### PRODUCT FEATURES

|                  |               |
|------------------|---------------|
| Brand            | IKO           |
| N° Ean13         | 3663952377469 |
| Inside diameter  | 31.75 mm      |
| Outside diameter | 52.388 mm     |
| Thickness        | 25.65 mm      |
| Packaging        | 1             |

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