

Factory-Verified Replacement

MERYDOM RKS.161.16.1314

Certified for interchange with SKF RKS.161.16.1314. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

LEVEL 3 - MERYDOM ENGINEERING VERIFIED

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

MERYDOM MODEL

RKS.161.16.1314

REFERENCE

SKF RKS.161.16.1314

SERIES

SKF\_ROLLER\_MEDIUM\_EXTERNAL Series

STRUCTURE

Crossed Cylindrical Roller

OVERALL OD

1,448 mm

OVERALL ID

1,229 mm

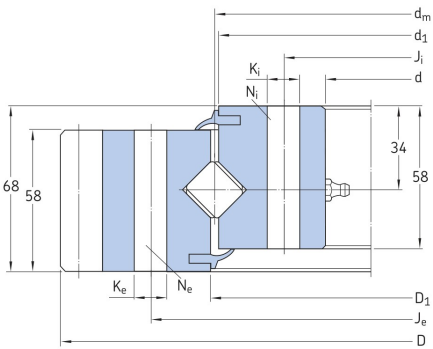
OVERALL HEIGHT

mm

GEAR

D tan di li

Published Technical Drawing



skf-p094-outline-drawing.webp

## Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

| MERYDOM CERTIFIED PRODUCT            |                                        |
|--------------------------------------|----------------------------------------|
| Product brand                        | MERYDOM                                |
| MERYDOM model                        | RKS.161.16.1314                        |
| Certified interchangeable with       | SKF RKS.161.16.1314                    |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | W5HBOFETEIEDYC4ANNIVKC5OAC             |
| MATERIALS                            |                                        |
| Configurable ring material options   | 42CrMo / 50Mn                          |
| Seal material                        | NBR - Nitrile rubber                   |
| Configurable spacer material options | Engineering nylon / Brass              |
| IDENTIFICATION                       |                                        |
| Reference brand                      | SKF                                    |
| Reference series                     | SKF_ROLLER_MEDIUM_EXTERNAL Series      |
| Reference model                      | RKS.161.16.1314                        |
| Bearing structure                    | Crossed Cylindrical Roller             |
| Gear arrangement                     | D tan di li                            |
| DIMENSION                            |                                        |
| Raceway diameter (dm)                | 1 314 mm                               |
| Overall outside diameter (D)         | 1 448 mm                               |
| SKF catalogue dimension D1 (D1)      | 1 317 mm                               |

## Complete Product Data

All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

| DIMENSION (CONTINUED)                       |                  |
|---------------------------------------------|------------------|
| Overall inside diameter (d)                 | 1 229 mm         |
| SKF catalogue dimension d1 (d1)             | 1 312 mm         |
| Mass (Mass)                                 | 168 kg           |
| MOUNTING                                    |                  |
| Outer ring bolt circle (Je)                 | 1 mm             |
| Outer ring mounting-hole specification (Ke) | 36 716 mm        |
| Outer ring mounting-hole count (Ne)         | 50 count         |
| Inner ring bolt circle (Ji)                 | 1 261 mm         |
| Inner ring mounting-hole specification (Ki) | 16 mm            |
| Inner ring mounting-hole count (Ni)         | 50 count         |
| PERFORMANCE                                 |                  |
| Basic dynamic axial load rating (C)         | 421 kN           |
| Basic static axial load rating (C0)         | 2 070 kN         |
| PERFORMANCE RATINGS                         |                  |
| Basic Dynamic Axial                         | 421 kN           |
| Basic Static Axial                          | 2 070 kN         |
| MOUNTING INTERFACES                         |                  |
| Outer ring mounting                         | 50 holes - 36716 |
| Inner ring mounting                         | 50 holes - 16    |
| GEAR INTERFACE                              |                  |

## Complete Product Data

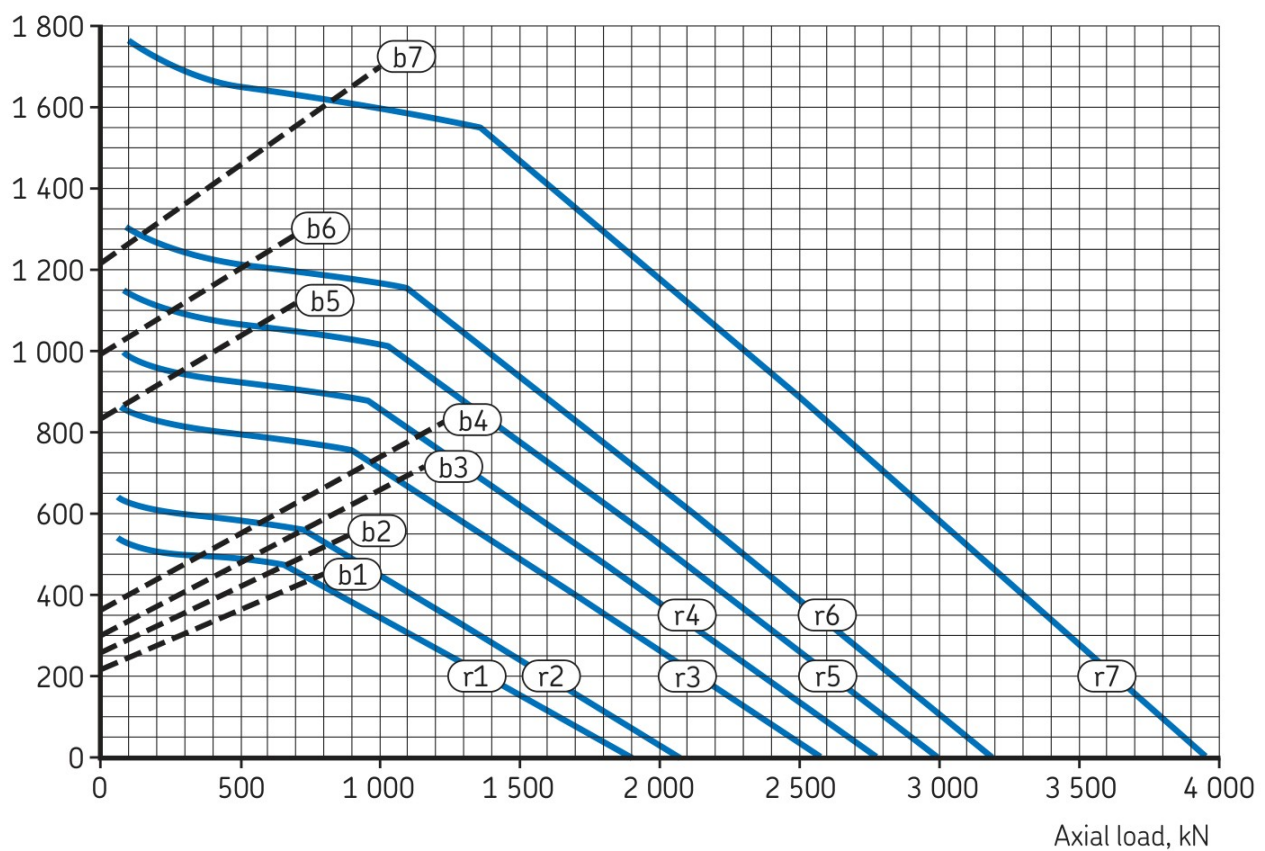
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

| GEAR INTERFACE (CONTINUED) |                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------|
| Pitch system               | Not published                                                                                                |
| SOURCE TRACEABILITY        |                                                                                                              |
| Source document code       | SKF_SLEWING_BEARINGS_PUB_BU_P2_06115_3_EN_2019_09                                                            |
| Source file                | SKF_Slewing_Bearings_PUB_BU_P2_06115_3_EN_2019-09.pdf                                                        |
| PDF page                   | 94                                                                                                           |
| Printed page               | 94                                                                                                           |
| Source language            | EN                                                                                                           |
| Original unit system       | Metric                                                                                                       |
| PUBLISHED TECHNICAL MEDIA  |                                                                                                              |
| Load Curve Chart           | skf-p095-load-curve.webp   SHA-256:<br>352ad4530059c19b5adf64381986b5d1e4a017147100d6c30fe34529255064e0      |
| Outline Drawing            | skf-p094-outline-drawing.webp   SHA-256:<br>25e5d4315bd629881cc222a8ea181e205111ffb84e60fce5175b535a705f1f8d |

## Published Load / Performance Chart

Use the published chart as a preliminary selection aid only. The model legend, curve family and source document must be reviewed together with the operating load case.

Tilting moment, kNm



skf-p095-load-curve.webp | SHA-256: 352ad4530059c19b5adf64381986b5d1e4a017147100d6c30fe34529255064e0

Engineering note: final approval must also consider mounting rigidity, bolt capacity, duty cycle, lubrication, temperature, environment and installation conditions.

## Source and Verification Traceability

### PUBLIC RECORD UID

**W5HBOFETEIEDYC4ANNIVKC5OAC**

### SOURCE FILE

**SKF\_Slewing\_Bearings\_PUB\_BU\_P2\_06115\_3\_EN\_2019-09.pdf**

### VERIFICATION

**Level 3 - MERYDOM Engineering  
Verified**

### SOURCE DOCUMENT

**SKF\_SLEWING BEARINGS\_PUB\_BU\_P2\_06115\_3\_EN\_2019\_09**

### SOURCE LOCATION

**PDF page 94 | Printed page 94**

### REVIEWED BY

**MERYDOM Engineering Department**

## Engineering Confirmation Boundary

- 1 Confirm the exact model designation and all installation-envelope dimensions.
- 2 Confirm mounting-hole quantity, bolt circle, hole specification, bolt grade and preload.
- 3 Confirm gear arrangement, pitch system, tooth count, backlash and mating-pinion data.
- 4 Confirm axial, radial and moment loads, load combinations, duty cycle and required life.
- 5 Confirm support flatness and stiffness, lubrication, sealing, temperature and environment.
- 6 Final drawing revision, manufacturing tolerances and documentation package are confirmed with the quotation.

### Request Price, Delivery and Final Engineering Confirmation

Email: [jovi@merydom.com](mailto:jovi@merydom.com) | Email: [andi@merydom.com](mailto:andi@merydom.com) | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/tr/urunler/muadil-doner-tabla-rulmanlari/skf/rks-161-16-1314/>

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