

Factory-Verified Replacement

MERYDOM RKS.121400202001

Certified for interchange with SKF RKS.121400202001. 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.121400202001

REFERENCE

SKF RKS.121400202001

SERIES

SKF\_ROLLER\_CUSTOM\_EXTERNAL Series

STRUCTURE

Crossed Cylindrical Roller

OVERALL OD

589.5 mm

OVERALL ID

378 mm

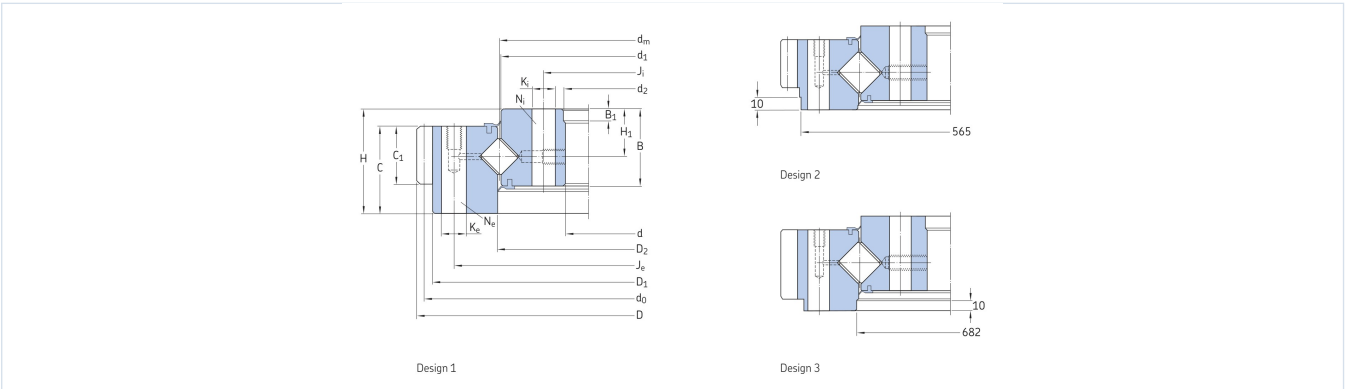
OVERALL HEIGHT

75 mm

GEAR

External gear

Published Technical Drawing



skf-p104-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.121400202001                       |
| Certified interchangeable with       | SKF RKS.121400202001                   |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | JLWNERS6K3XOXI7YJPPF2YW32J             |
| 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_CUSTOM_EXTERNAL Series      |
| Reference model                      | RKS.121400202001                       |
| Bearing structure                    | Crossed Cylindrical Roller             |
| Gear arrangement                     | External gear                          |
| DIMENSION                            |                                        |
| Raceway diameter (dm)                | 474 mm                                 |
| Overall outside diameter (D)         | 589.5 mm                               |
| Overall inside diameter (d)          | 378 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 height (H)                  | 75 mm    |
| SKF catalogue dimension H1 (H1)     | 37 mm    |
| SKF catalogue dimension D1 (D1)     | 567 mm   |
| SKF catalogue dimension D2 (D2)     | 476 mm   |
| SKF catalogue dimension C (C)       | 60 mm    |
| SKF catalogue dimension C1 (C1)     | 40 mm    |
| SKF catalogue dimension d1 (d1)     | 472 mm   |
| SKF catalogue dimension d2 (d2)     | 384 mm   |
| SKF catalogue dimension B (B)       | 58 mm    |
| SKF catalogue dimension B1 (B1)     | 10 mm    |
| Mass (Mass)                         | 62 kg    |
| PERFORMANCE                         |          |
| Basic dynamic axial load rating (C) | 304 kN   |
| Basic static axial load rating (C0) | 1,050 kN |
| PERFORMANCE RATINGS                 |          |
| Basic Dynamic Axial                 | 304 kN   |
| Basic Static Axial                  | 1,050 kN |
| MOUNTING INTERFACES                 |          |
| Outer ring mounting                 | holes -  |
| Inner ring mounting                 | holes -  |

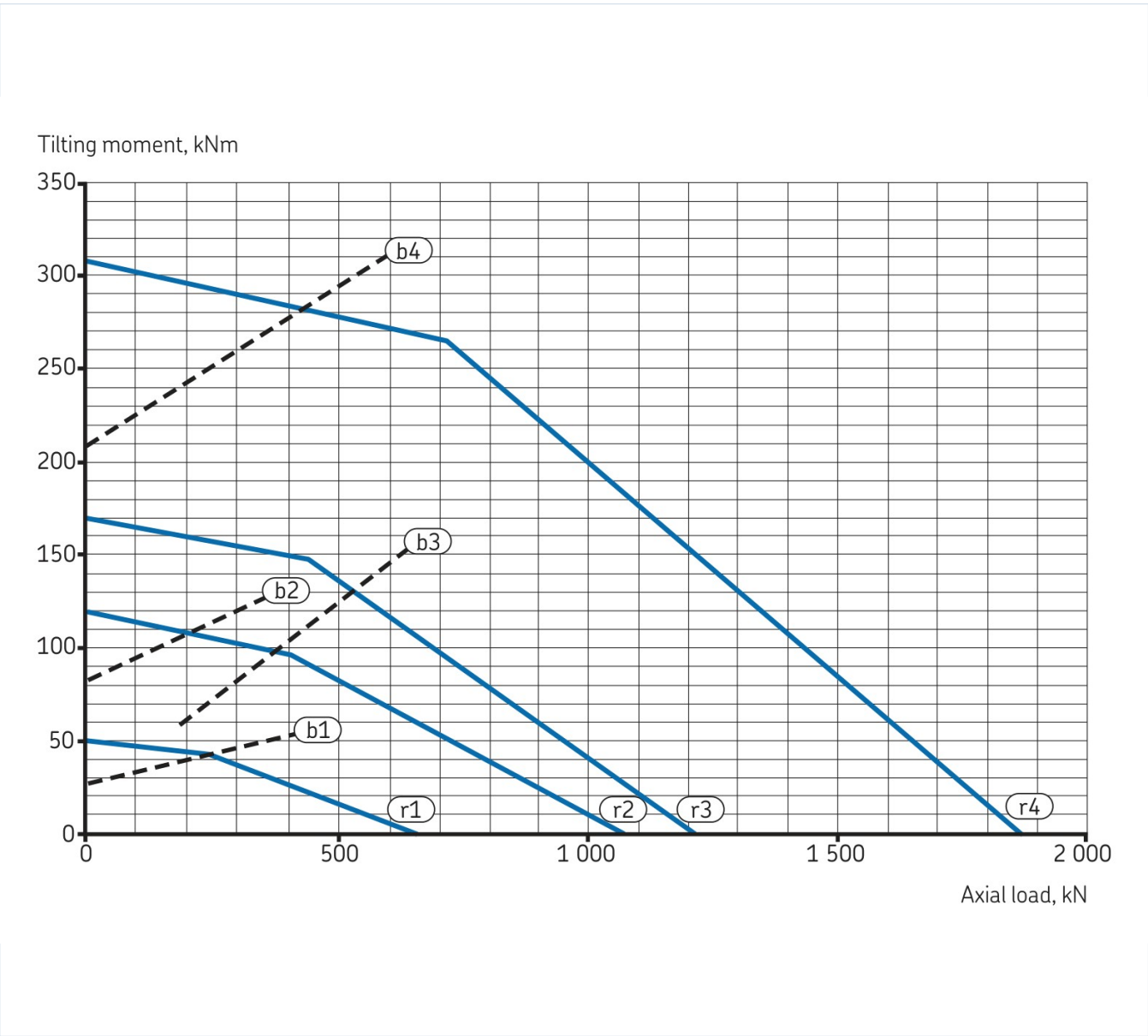
Complete Product Data

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| GEAR INTERFACE            |                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------|
| 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                  | 104                                                                                                          |
| Printed page              | 104                                                                                                          |
| Source language           | EN                                                                                                           |
| Original unit system      | Metric                                                                                                       |
| PUBLISHED TECHNICAL MEDIA |                                                                                                              |
| Load Curve Chart          | skf-p105-load-curve.webp   SHA-256:<br>71cf6a31f9c182ae1bc1aa5aa97e02f7db3df4a6ff2a9ec05b0f298443d669d1      |
| Outline Drawing           | skf-p104-outline-drawing.webp   SHA-256:<br>44cc4ecced7cddc946d17c9abf5ebc7939d7c29f5805a7fdcce8065868a7128e |

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.



skf-p105-load-curve.webp | SHA-256: 71cf6a31f9c182ae1bc1aa5aa97e02f7db3df4a6ff2a9ec05b0f298443d669d1

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

JLWNERS6K3XOXI7YJPPF2YW32J

### 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 104 | Printed page 104

### 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 | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/products/slewing-bearing-replacements/skf/rks-121400202001/>

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