

Factory-Verified Replacement

MERYDOM RKS.222500101001

Certified for interchange with SKF RKS.222500101001. 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.222500101001**

REFERENCE  
**SKF RKS.222500101001**

SERIES  
**SKF\_ROLLER\_CUSTOM\_EXTERNAL Series**

STRUCTURE  
**Crossed Cylindrical Roller**

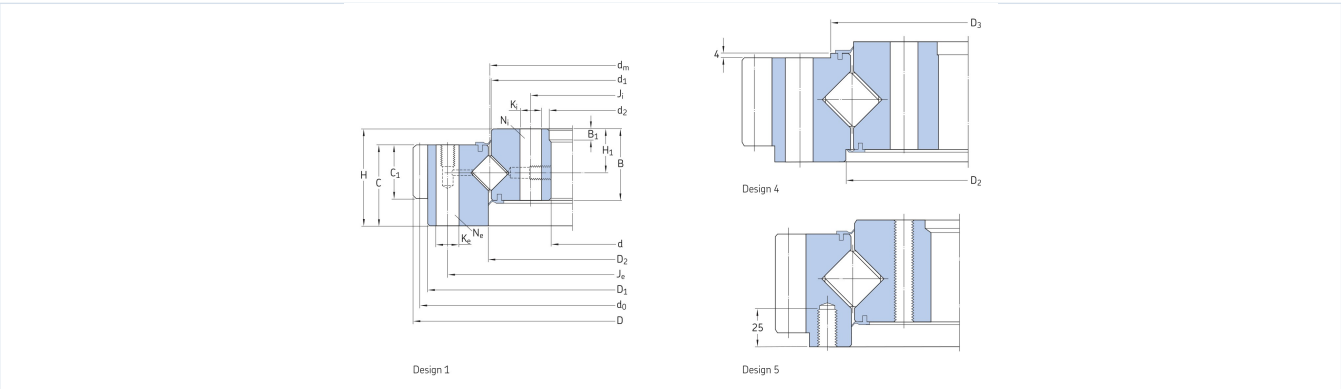
OVERALL OD  
**979 mm**

OVERALL ID  
**715 mm**

OVERALL HEIGHT  
**100 mm**

GEAR  
**External gear**

Published Technical Drawing



skf-p106-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.222500101001                       |
| Certified interchangeable with       | SKF RKS.222500101001                   |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | 7UELORGVXNBKYY4WPEQA3RW6IK             |
| 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.222500101001                       |
| Bearing structure                    | Crossed Cylindrical Roller             |
| Gear arrangement                     | External gear                          |
| DIMENSION                            |                                        |
| Raceway diameter (dm)                | 823 mm                                 |
| Overall outside diameter (D)         | 979 mm                                 |
| Overall inside diameter (d)          | 715 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)                  | 100 mm    |
| SKF catalogue dimension H1 (H1)     | 47 mm     |
| SKF catalogue dimension D1 (D1)     | 935 mm    |
| SKF catalogue dimension D2 (D2)     | 845 mm    |
| SKF catalogue dimension C (C)       | 85,379 mm |
| SKF catalogue dimension C1 (C1)     | 63 mm     |
| SKF catalogue dimension d1 (d1)     | 821 mm    |
| SKF catalogue dimension d2 (d2)     | 718 mm    |
| SKF catalogue dimension B (B)       | 84 mm     |
| SKF catalogue dimension B1 (B1)     | 10 mm     |
| Mass (Mass)                         | 180 kg    |
| PERFORMANCE                         |           |
| Basic dynamic axial load rating (C) | 558 kN    |
| Basic static axial load rating (C0) | 2,330 kN  |
| PERFORMANCE RATINGS                 |           |
| Basic Dynamic Axial                 | 558 kN    |
| Basic Static Axial                  | 2,330 kN  |
| MOUNTING INTERFACES                 |           |
| Outer ring mounting                 | holes -   |
| Inner ring mounting                 | holes -   |

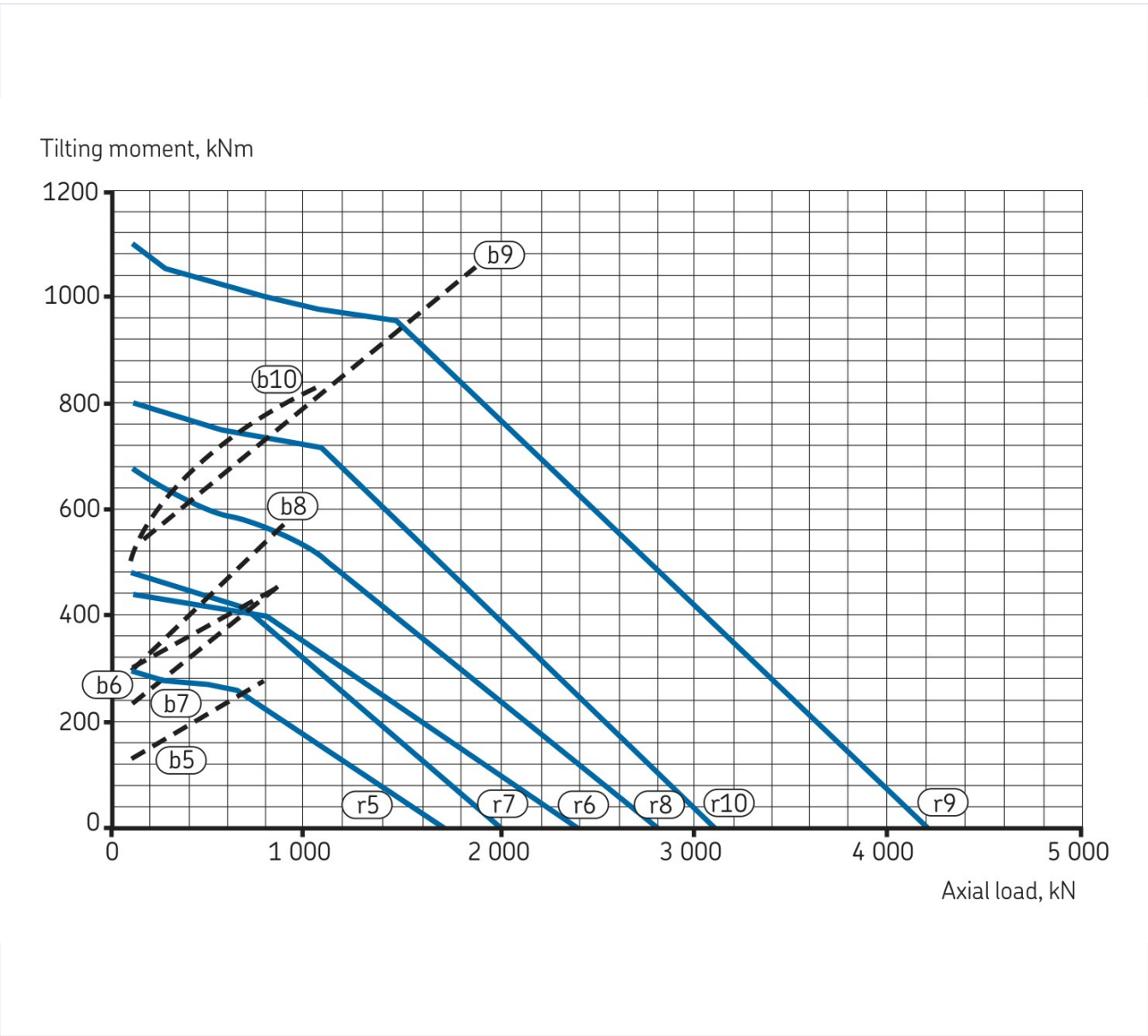
## Complete Product Data

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            |                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------|
| 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                  | 106                                                                                                          |
| Printed page              | 106                                                                                                          |
| Source language           | EN                                                                                                           |
| Original unit system      | Metric                                                                                                       |
| PUBLISHED TECHNICAL MEDIA |                                                                                                              |
| Load Curve Chart          | skf-p107-load-curve.webp   SHA-256:<br>f582c56fb901ce99dac7df230ed007d311549f50838c566d8a1e05b7d573b023      |
| Outline Drawing           | skf-p106-outline-drawing.webp   SHA-256:<br>10ab43a5aca8fa148552c335abb3b148d95d8be27f905abbe5540c31b8e63322 |

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-p107-load-curve.webp | SHA-256: f582c56fb901ce99dac7df230ed007d311549f50838c566d8a1e05b7d573b023

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

7UELOGVXNBKYY4WPEQA3RW6IK

### 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 106 | Printed page 106

### 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-222500101001/>

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