

Factory-Verified Replacement

MERYDOM RKS.162.14.0544

Certified for interchange with SKF RKS.162.14.0544. 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.162.14.0544

REFERENCE

SKF RKS.162.14.0544

SERIES

SKF\_ROLLER\_MEDIUM\_INTERNAL Series

STRUCTURE

Crossed Cylindrical Roller

OVERALL OD

616 mm

OVERALL ID

445.2 mm

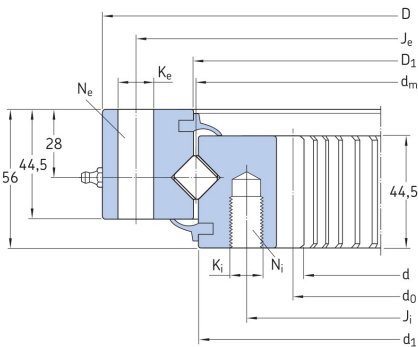
OVERALL HEIGHT

mm

GEAR

Dentatura interna

Published Technical Drawing



skf-p096-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.162.14.0544                        |
| Certified interchangeable with       | SKF RKS.162.14.0544                    |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | EPAVKXQKZD5OFW3YL4B6NULSOW             |
| 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_INTERNAL Series      |
| Reference model                      | RKS.162.14.0544                        |
| Bearing structure                    | Crossed Cylindrical Roller             |
| Gear arrangement                     | Dentatura interna                      |
| DIMENSION                            |                                        |
| Raceway diameter (dm)                | 544 mm                                 |
| Overall outside diameter (D)         | 616 mm                                 |
| SKF catalogue dimension D1 (D1)      | 546 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)                 | 445,2 mm       |
| SKF catalogue dimension d1 (d1)             | 542 mm         |
| Mass (Mass)                                 | 42 kg          |
| MOUNTING                                    |                |
| Outer ring bolt circle (Je)                 | 590 mm         |
| Outer ring mounting-hole specification (Ke) | 14 mm          |
| Outer ring mounting-hole count (Ne)         | 32 count       |
| Inner ring bolt circle (Ji)                 | 505 mm         |
| Inner ring mounting-hole specification (Ki) | M12 mm         |
| Inner ring mounting-hole count (Ni)         | 32 count       |
| PERFORMANCE                                 |                |
| Basic dynamic axial load rating (C)         | 194 kN         |
| Basic static axial load rating (C0)         | 784 kN         |
| PERFORMANCE RATINGS                         |                |
| Basic Dynamic Axial                         | 194 kN         |
| Basic Static Axial                          | 784 kN         |
| MOUNTING INTERFACES                         |                |
| Outer ring mounting                         | 32 holes - 14  |
| Inner ring mounting                         | 32 holes - M12 |
| GEAR INTERFACE                              |                |

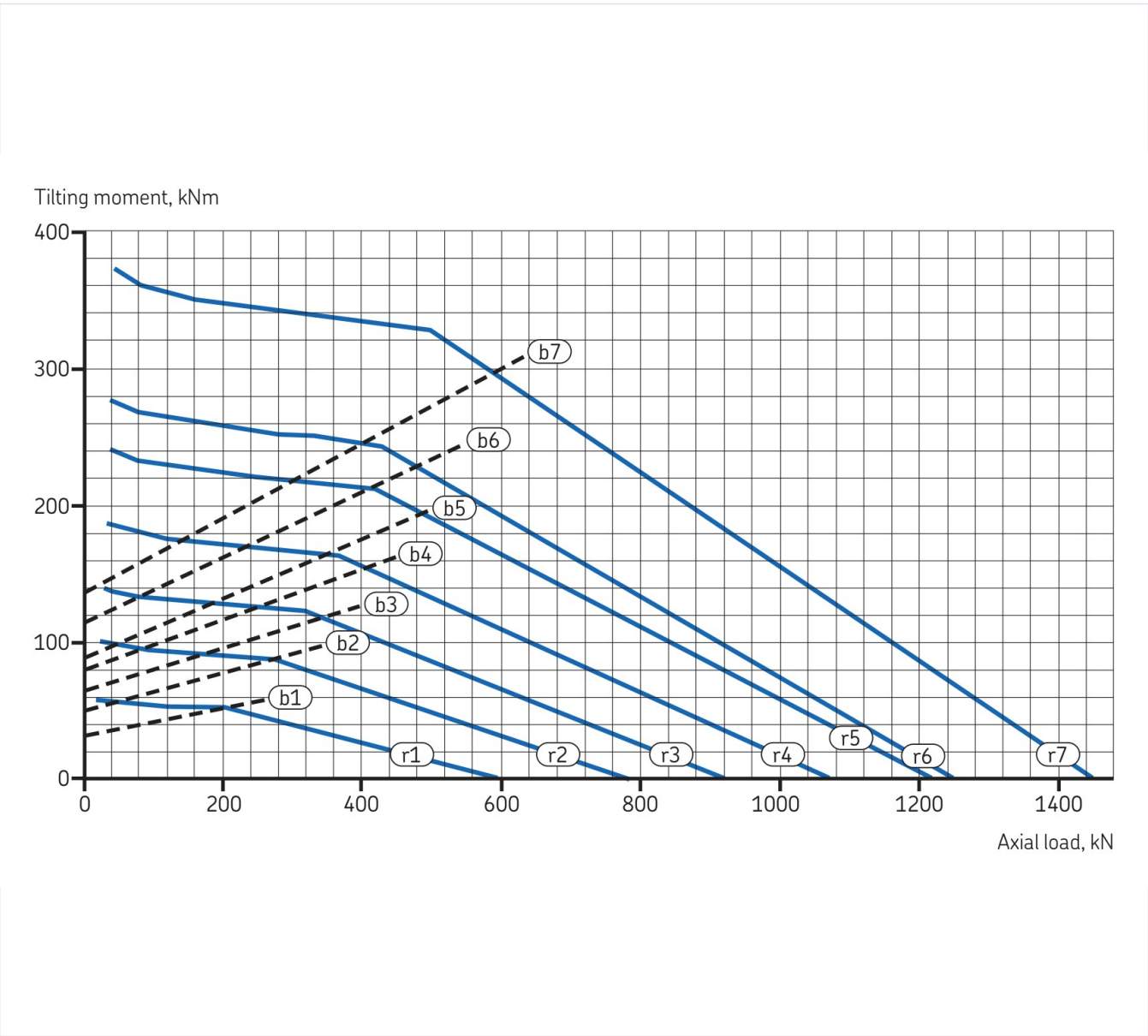
Complete Product Data

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                   | 96                                                                                                           |
| Printed page               | 96                                                                                                           |
| Source language            | EN                                                                                                           |
| Original unit system       | Metric                                                                                                       |
| PUBLISHED TECHNICAL MEDIA  |                                                                                                              |
| Load Curve Chart           | skf-p097-load-curve.webp   SHA-256:<br>b20795468e55af1a0efaef7b778dec26b19c51736b22b6cb6dab38d70d95f93d      |
| Outline Drawing            | skf-p096-outline-drawing.webp   SHA-256:<br>02114160cf022d1035aebe54685ecd300cf81bdf1a6579dcef7f3f6527198887 |

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-p097-load-curve.webp | SHA-256: b20795468e55af1a0efae7b778dec26b19c51736b22b6cb6dab38d70d95f93d

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

**EPAVKXQKZD50FW3YL4B6NULSOW**

### 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 96 | Printed page 96**

### 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/it/prodotti/cuscinetti-di-rotazione-sostitutivi/skf/rks-162-14-0544/>

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