

Factory-Verified Replacement

MERYDOM RKS.160.14.0844

Certified for interchange with SKF RKS.160.14.0844. 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.160.14.0844

REFERENCE

SKF RKS.160.14.0844

SERIES

SKF\_ROLLER\_MEDIUM\_UNGEARED Series

STRUCTURE

Crossed Cylindrical Roller

OVERALL OD

916 mm

OVERALL ID

774 mm

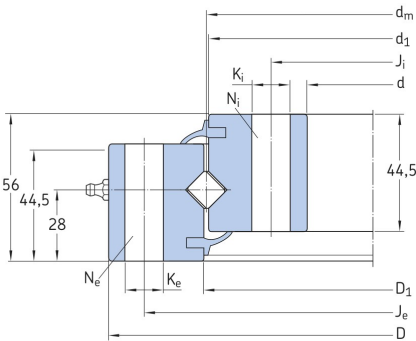
OVERALL HEIGHT

mm

GEAR

Ungeared

Published Technical Drawing



skf-p100-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.160.14.0844                        |
| Certified interchangeable with       | SKF RKS.160.14.0844                    |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | 3FA366OCK5T3GMEJPO2EQBWTUF             |
| 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_UNGEARED Series      |
| Reference model                      | RKS.160.14.0844                        |
| Bearing structure                    | Crossed Cylindrical Roller             |
| Gear arrangement                     | Ungeared                               |
| DIMENSION                            |                                        |
| Raceway diameter (dm)                | 844 mm                                 |
| Overall outside diameter (D)         | 916 mm                                 |
| SKF catalogue dimension D1 (D1)      | 846 mm                                 |

Complete Product Data

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| DIMENSION (CONTINUED)                       |               |
|---------------------------------------------|---------------|
| Overall inside diameter (d)                 | 774 mm        |
| SKF catalogue dimension d1 (d1)             | 842 mm        |
| Mass (Mass)                                 | 60 kg         |
| MOUNTING                                    |               |
| Outer ring bolt circle (Je)                 | 890 mm        |
| Outer ring mounting-hole specification (Ke) | 14 mm         |
| Outer ring mounting-hole count (Ne)         | 40 count      |
| Inner ring bolt circle (Ji)                 | 798 mm        |
| Inner ring mounting-hole specification (Ki) | 14 mm         |
| Inner ring mounting-hole count (Ni)         | 40 count      |
| PERFORMANCE                                 |               |
| Basic dynamic axial load rating (C)         | 244 kN        |
| Basic static axial load rating (C0)         | 1,220 kN      |
| PERFORMANCE RATINGS                         |               |
| Basic Dynamic Axial                         | 244 kN        |
| Basic Static Axial                          | 1,220 kN      |
| MOUNTING INTERFACES                         |               |
| Outer ring mounting                         | 40 holes - 14 |
| Inner ring mounting                         | 40 holes - 14 |
| GEAR INTERFACE                              |               |

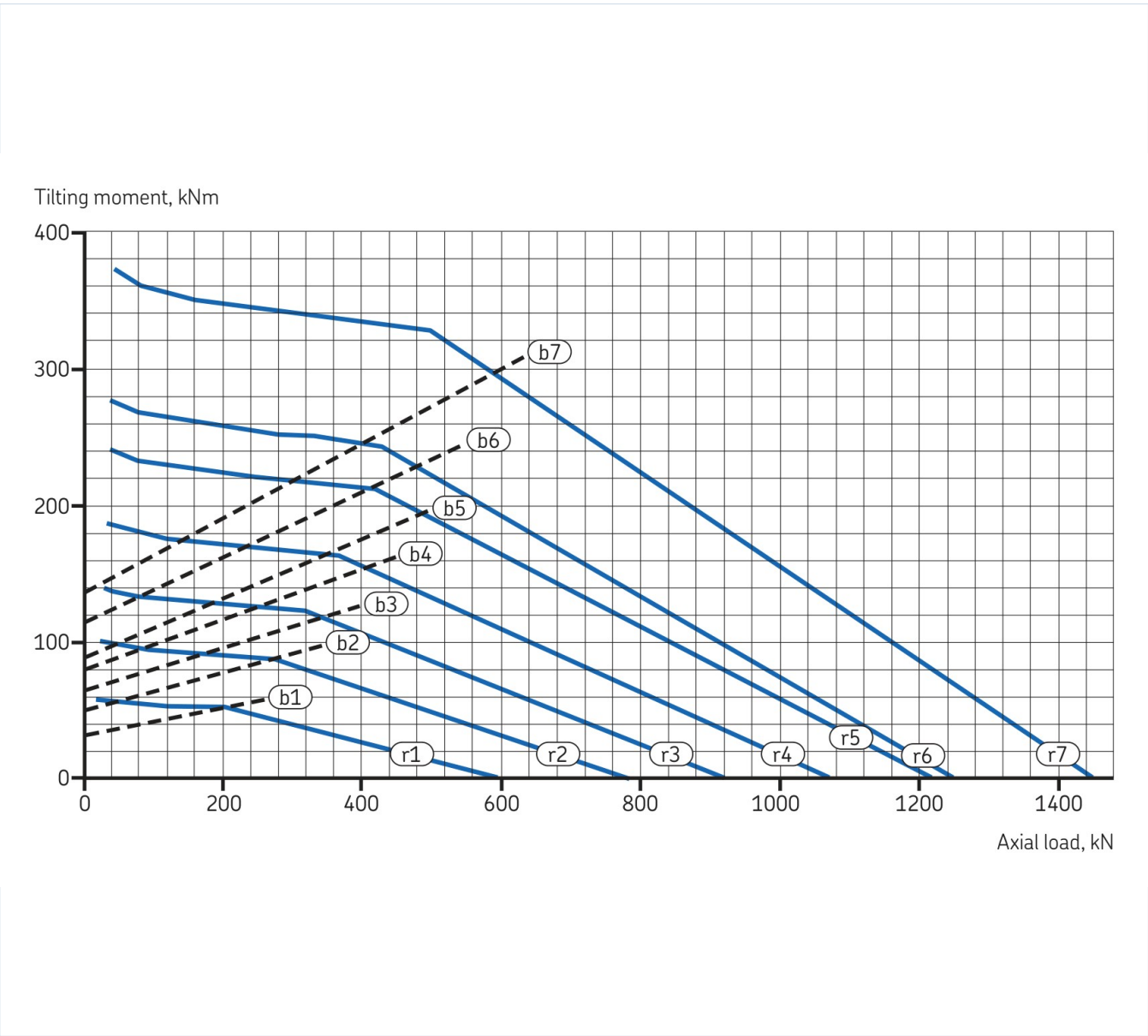
Complete Product Data

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) |                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------|
| Integral gear              | Not applicable - ungeared bearing                                                                            |
| 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                   | 100                                                                                                          |
| Printed page               | 100                                                                                                          |
| Source language            | EN                                                                                                           |
| Original unit system       | Metric                                                                                                       |
| PUBLISHED TECHNICAL MEDIA  |                                                                                                              |
| Load Curve Chart           | skf-p101-load-curve.webp   SHA-256:<br>c2db023253252334631c2a86bcc5056288dea946d601b4154aeb85be0091ee5d      |
| Outline Drawing            | skf-p100-outline-drawing.webp   SHA-256:<br>e3041735a065d1ca437f068231e59a93db95c921f63c8b61c042ed04044ef23d |

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-p101-load-curve.webp | SHA-256: c2db023253252334631c2a86bcc5056288dea946d601b4154aeb85be0091ee5d

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

Source and Verification Traceability

|                                                                                         |                                                                                         |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| <div>PUBLIC RECORD UID</div> <div>3FA366OCK5T3GMEJPO2EQBWTUF</div>                      | <div>SOURCE DOCUMENT</div> <div>SKF_SLEWING BEARINGS_PUB_BU_P2_06115_3_EN_2019_09</div> |
| <div>SOURCE FILE</div> <div>SKF_Slewing_Bearings_PUB_BU_P2_06115_3_EN_2019-09.pdf</div> | <div>SOURCE LOCATION</div> <div>PDF page 100   Printed page 100</div>                   |
| <div>VERIFICATION</div> <div>Level 3 - MERYDOM Engineering Verified</div>               | <div>REVIEWED BY</div> <div>MERYDOM Engineering Department</div>                        |

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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/skf/rks-160-14-0844/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.