

Factory-Verified Replacement

MERYDOM RKS.160.16.1644

Certified for interchange with SKF RKS.160.16.1644. 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.160.16.1644

REFERENCE

SKF RKS.160.16.1644

SERIES

SKF\_ROLLER\_MEDIUM\_UNGEARED Series

STRUCTURE

Crossed Cylindrical Roller

OVERALL OD

1,752 mm

OVERALL ID

1,536 mm

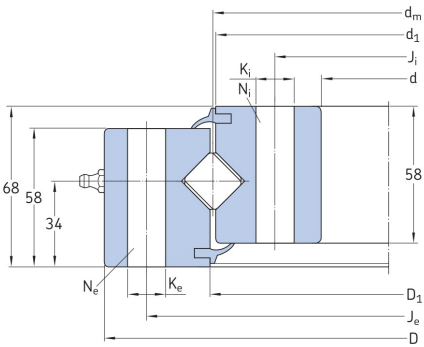
OVERALL HEIGHT

mm

GEAR

Sem engrenagem

Published Technical Drawing



skf-p102-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.160.16.1644                        |
| Certified interchangeable with       | SKF RKS.160.16.1644                    |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | LR2YFOWI3NRNRSEXAQWNBGAIOU             |
| 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.160.16.1644                        |
| Bearing structure                    | Crossed Cylindrical Roller             |
| Gear arrangement                     | Sem engrenagem                         |
| DIMENSION                            |                                        |
| Raceway diameter (dm)                | 1.644 mm                               |
| Overall outside diameter (D)         | 1.752 mm                               |
| SKF catalogue dimension D1 (D1)      | 1.646,5 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)                 | 1.536 mm         |
| SKF catalogue dimension d1 (d1)             | 1.642 mm         |
| Mass (Mass)                                 | 215 kg           |
| MOUNTING                                    |                  |
| Outer ring bolt circle (Je)                 | 1 mm             |
| Outer ring mounting-hole specification (Ke) | 70.822 mm        |
| Outer ring mounting-hole count (Ne)         | 54 count         |
| Inner ring bolt circle (Ji)                 | 1.580 mm         |
| Inner ring mounting-hole specification (Ki) | 22 mm            |
| Inner ring mounting-hole count (Ni)         | 54 count         |
| PERFORMANCE                                 |                  |
| Basic dynamic axial load rating (C)         | 475 kN           |
| Basic static axial load rating (C0)         | 2.990 kN         |
| PERFORMANCE RATINGS                         |                  |
| Basic Dynamic Axial                         | 475 kN           |
| Basic Static Axial                          | 2.990 kN         |
| MOUNTING INTERFACES                         |                  |
| Outer ring mounting                         | 54 holes - 70822 |
| Inner ring mounting                         | 54 holes - 22    |
| GEAR INTERFACE                              |                  |

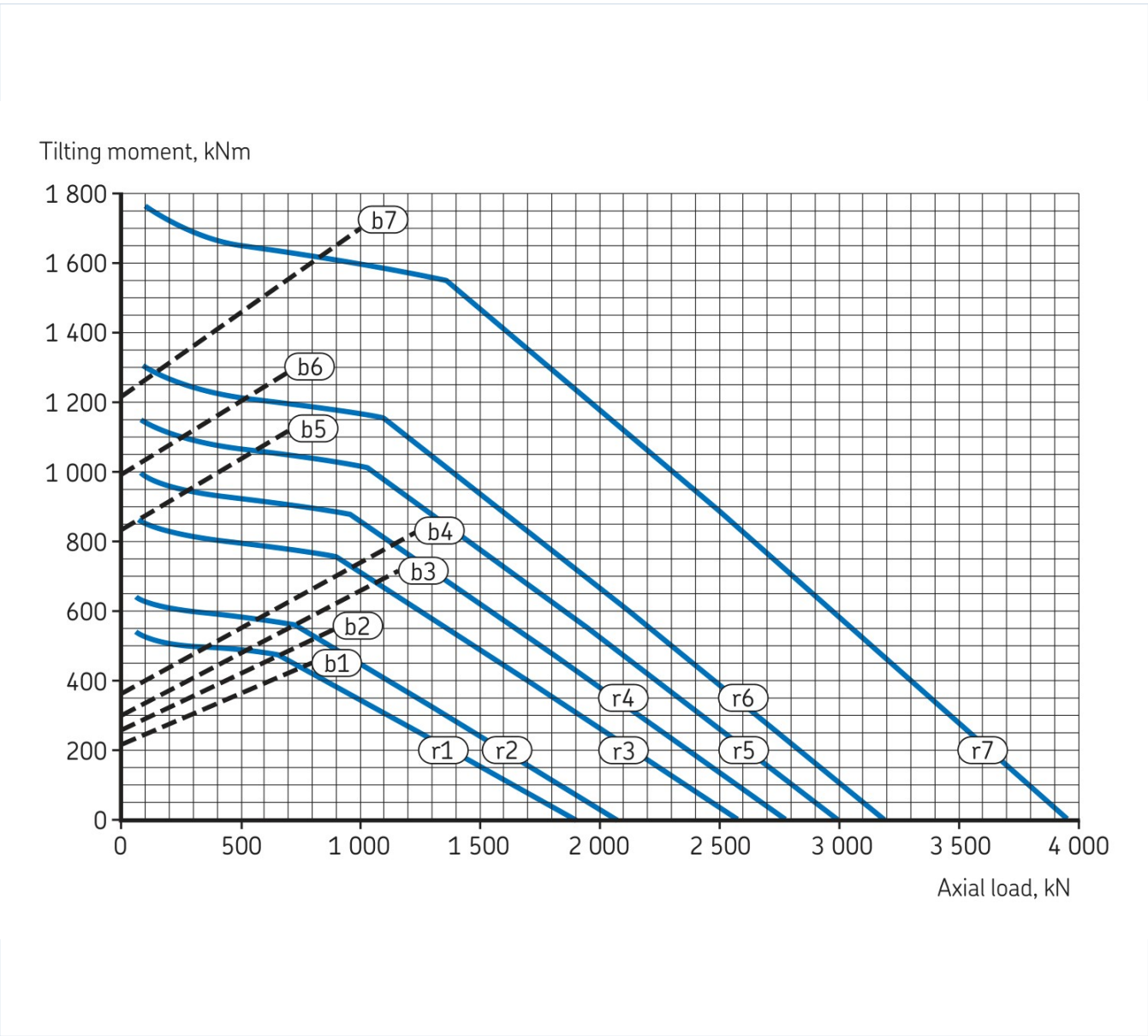
Complete Product Data

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                   | 102                                                                                                          |
| Printed page               | 102                                                                                                          |
| Source language            | EN                                                                                                           |
| Original unit system       | Metric                                                                                                       |
| PUBLISHED TECHNICAL MEDIA  |                                                                                                              |
| Load Curve Chart           | skf-p103-load-curve.webp   SHA-256:<br>1288f707d28b83aaa16be687791f5a6548cc9ba2dab77a2b29da52ec8a70ce41      |
| Outline Drawing            | skf-p102-outline-drawing.webp   SHA-256:<br>8f8ce3b41dd2fecae321ea8529676f55b7d44a7df6023e7c2412fb024a233b11 |

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-p103-load-curve.webp | SHA-256: 1288f707d28b83aaa16be687791f5a6548cc9ba2dab77a2b29da52ec8a70ce41

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

LR2YFOWI3NRNRSEXAQWNBGAIOU

### 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 102 | Printed page 102

### 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/pt/produtos/rolamentos-de-giro-de-substituicao/skf/rks-160-16-1644/>

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