

Factory-Verified Replacement

MERYDOM RKS.061.20.0644

Certified for interchange with SKF RKS.061.20.0644. 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.061.20.0644

REFERENCE

SKF RKS.061.20.0644

SERIES

SKF_BALL_MEDIUM_EXTERNAL Series

STRUCTURE

Four-point contact ball

OVERALL OD

742.8 mm

OVERALL ID

572 mm

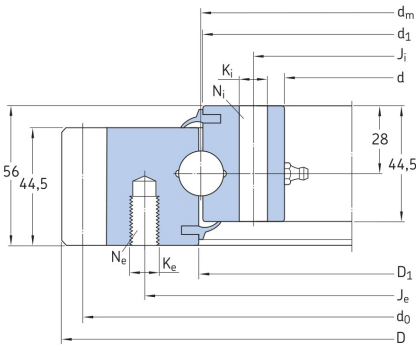
OVERALL HEIGHT

mm

GEAR

External gear

Published Technical Drawing



skf-p068-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.061.20.0644
Certified interchangeable with	SKF RKS.061.20.0644
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	JMOP4D3A5HB5HXNESNJ7ZNHWZH
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_BALL_MEDIUM_EXTERNAL Series
Reference model	RKS.061.20.0644
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Raceway diameter (dm)	644 mm
Overall outside diameter (D)	742.8 mm
SKF catalogue dimension D1 (D1)	645.5 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)	572 mm
SKF catalogue dimension d1 (d1)	642.5 mm
Mass (Mass)	52 kg
MOUNTING	
Outer ring bolt circle (Je)	685 mm
Outer ring mounting-hole specification (Ke)	M12 mm
Outer ring mounting-hole count (Ne)	32 count
Inner ring bolt circle (Ji)	598 mm
Inner ring mounting-hole specification (Ki)	13.5 mm
Inner ring mounting-hole count (Ni)	36 count
PERFORMANCE	
Basic dynamic axial load rating (C)	248 kN
Basic static axial load rating (C0)	1,580 kN
PERFORMANCE RATINGS	
Basic Dynamic Axial	248 kN
Basic Static Axial	1,580 kN
MOUNTING INTERFACES	
Outer ring mounting	32 holes - M12
Inner ring mounting	36 holes - 13,5
GEAR INTERFACE	

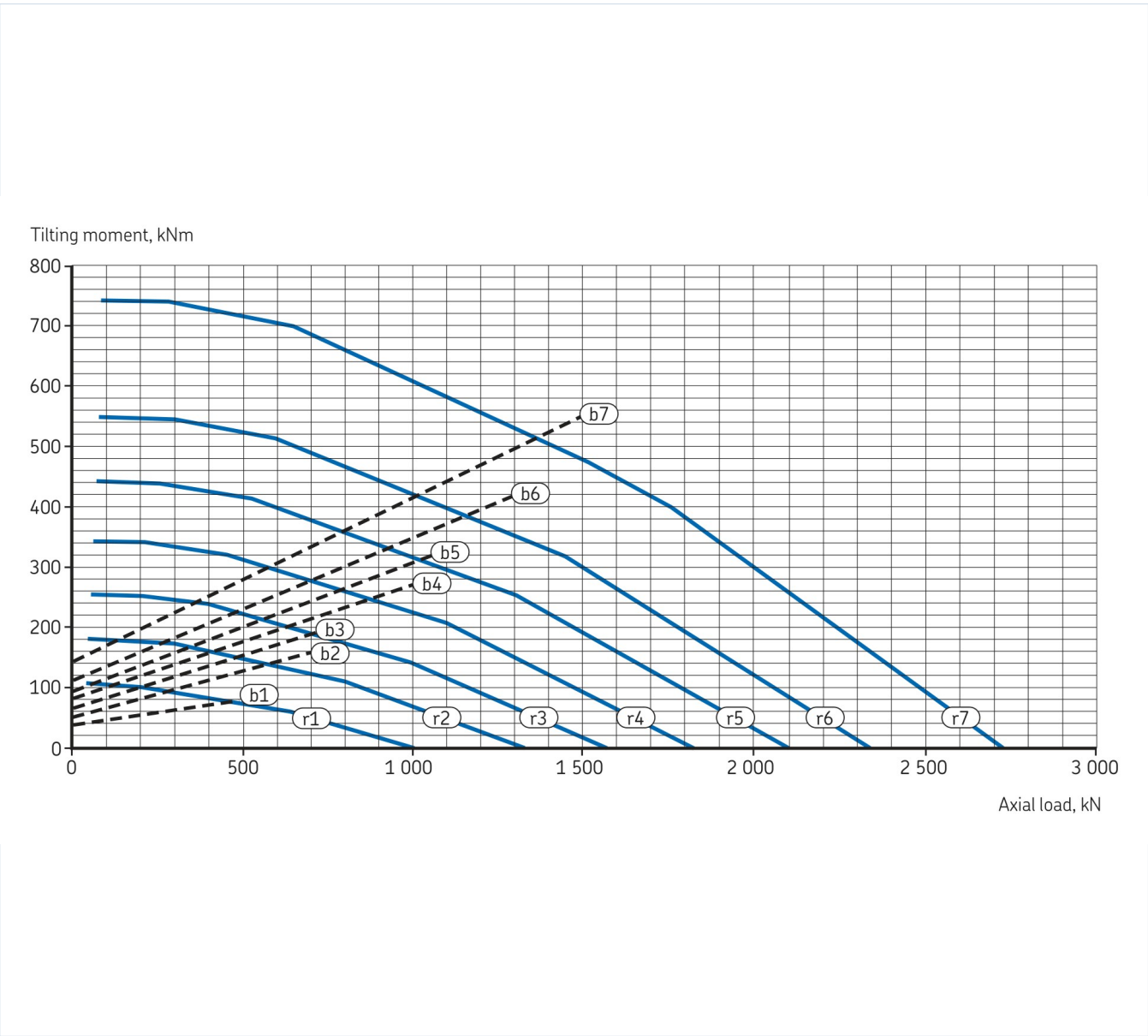
Complete Product Data

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	68
Printed page	68
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	skf-p069-load-curve.webp SHA-256: 7bc9de8c32d2ec84ce02221dd9930d03c6127d24b105baafb3373749d0567ff3
Outline Drawing	skf-p068-outline-drawing.webp SHA-256: bf4b1e954bdfd6c4841e9ebde4f0894c0601c4db5bfd2a6095490f5238b26737

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-p069-load-curve.webp | SHA-256: 7bc9de8c32d2ec84ce02221dd9930d03c6127d24b105baafb3373749d0567ff3

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 JMOP4D3A5HB5HXNESNJ7ZNHWZH	SOURCE DOCUMENT 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	SOURCE LOCATION PDF page 68 Printed page 68
VERIFICATION Level 3 - MERYDOM Engineering Verified	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

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Product page: <https://rotnex.com/products/slewing-bearing-replacements/skf/rks-061-20-0644/>

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