

Factory-Verified Replacement

MERYDOM RKS.161.16.1424

Certified for interchange with SKF RKS.161.16.1424. 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.161.16.1424

REFERENCE

SKF RKS.161.16.1424

SERIES

SKF_ROLLER_MEDIUM_EXTERNAL Series

STRUCTURE

Crossed Cylindrical Roller

OVERALL OD

1,558 mm

OVERALL ID

1,339 mm

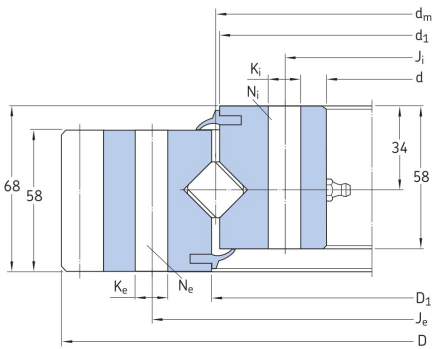
OVERALL HEIGHT

mm

GEAR

External gear

Published Technical Drawing



skf-p094-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.161.16.1424
Certified interchangeable with	SKF RKS.161.16.1424
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	ESOEVZPOHTPQKI4ZKWC7HFSBUW
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_EXTERNAL Series
Reference model	RKS.161.16.1424
Bearing structure	Crossed Cylindrical Roller
Gear arrangement	External gear
DIMENSION	
Raceway diameter (dm)	1,424 mm
Overall outside diameter (D)	1,558 mm
SKF catalogue dimension D1 (D1)	1,427 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)	1,339 mm
SKF catalogue dimension d1 (d1)	1,422 mm
Mass (Mass)	182 kg
MOUNTING	
Outer ring bolt circle (Je)	1 mm
Outer ring mounting-hole specification (Ke)	47,716 mm
Outer ring mounting-hole count (Ne)	54 count
Inner ring bolt circle (Ji)	1,371 mm
Inner ring mounting-hole specification (Ki)	16 mm
Inner ring mounting-hole count (Ni)	54 count
PERFORMANCE	
Basic dynamic axial load rating (C)	439 kN
Basic static axial load rating (C0)	2,580 kN
PERFORMANCE RATINGS	
Basic Dynamic Axial	439 kN
Basic Static Axial	2,580 kN
MOUNTING INTERFACES	
Outer ring mounting	54 holes - 47716
Inner ring mounting	54 holes - 16
GEAR INTERFACE	

Complete Product Data

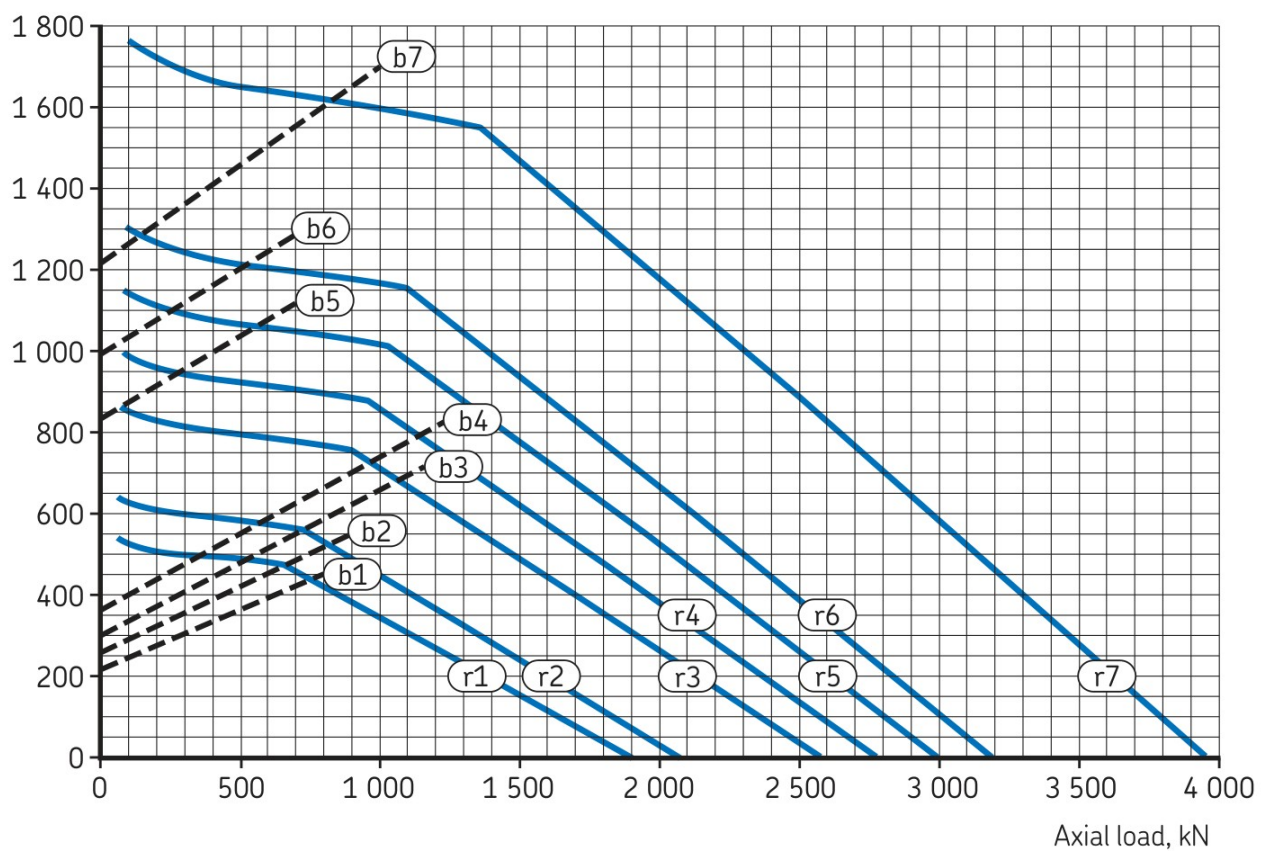
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

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	94
Printed page	94
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	skf-p095-load-curve.webp SHA-256: 352ad4530059c19b5adf64381986b5d1e4a017147100d6c30fe34529255064e0
Outline Drawing	skf-p094-outline-drawing.webp SHA-256: 25e5d4315bd629881cc222a8ea181e205111ffb84e60fce5175b535a705f1f8d

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.

Tilting moment, kNm



skf-p095-load-curve.webp | SHA-256: 352ad4530059c19b5ad64381986b5d1e4a017147100d6c30fe34529255064e0

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 ESOEVZPOHTPQKI4ZKWC7HFSBUW	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 94 Printed page 94
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-161-16-1424/>

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