

Factory-Verified Replacement

MERYDOM RKS.160.16.1424

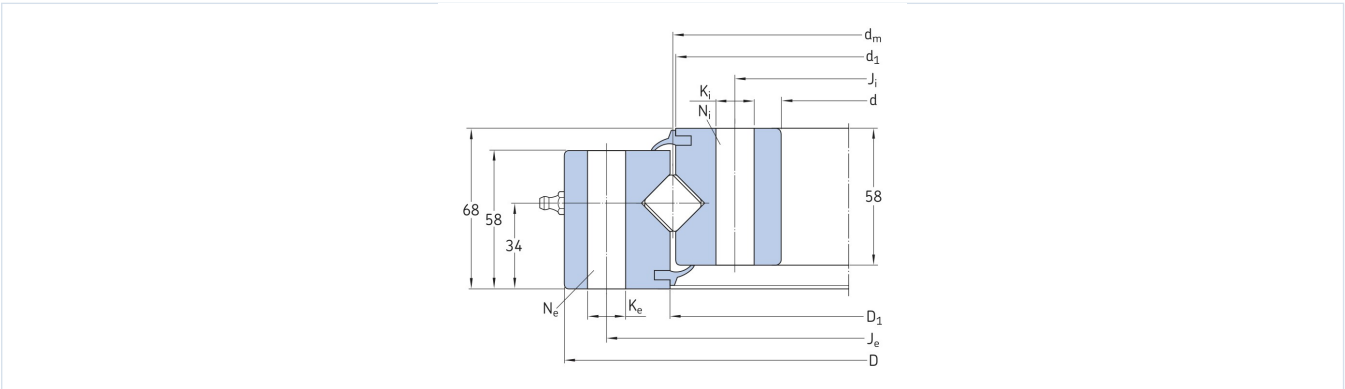
Certified for interchange with SKF RKS.160.16.1424. This document consolidates the public product record, complete published specifications, technical media, source traceability and engineering confirmation notes.

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	REFERENCE
RKS.160.16.1424	SKF RKS.160.16.1424
SERIES	STRUCTURE
SKF_ROLLER_MEDIUM_UNGEARED Series	Crossed Cylindrical Roller
OVERALL OD	OVERALL ID
1,509 mm	1,339 mm
OVERALL HEIGHT	GEAR
mm	Ungeared

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.160.16.1424
Certified interchangeable with	SKF RKS.160.16.1424
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	DJI5YIHT7FPJGXRE57R2PTORCE
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.160.16.1424
Bearing structure	Crossed Cylindrical Roller
Gear arrangement	Ungeared
DIMENSION	
Raceway diameter (dm)	1,424 mm
Overall outside diameter (D)	1,509 mm
SKF catalogue dimension D1 (D1)	1,426.5 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)	1,339 mm
SKF catalogue dimension d1 (d1)	1,422 mm
Mass (Mass)	146 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

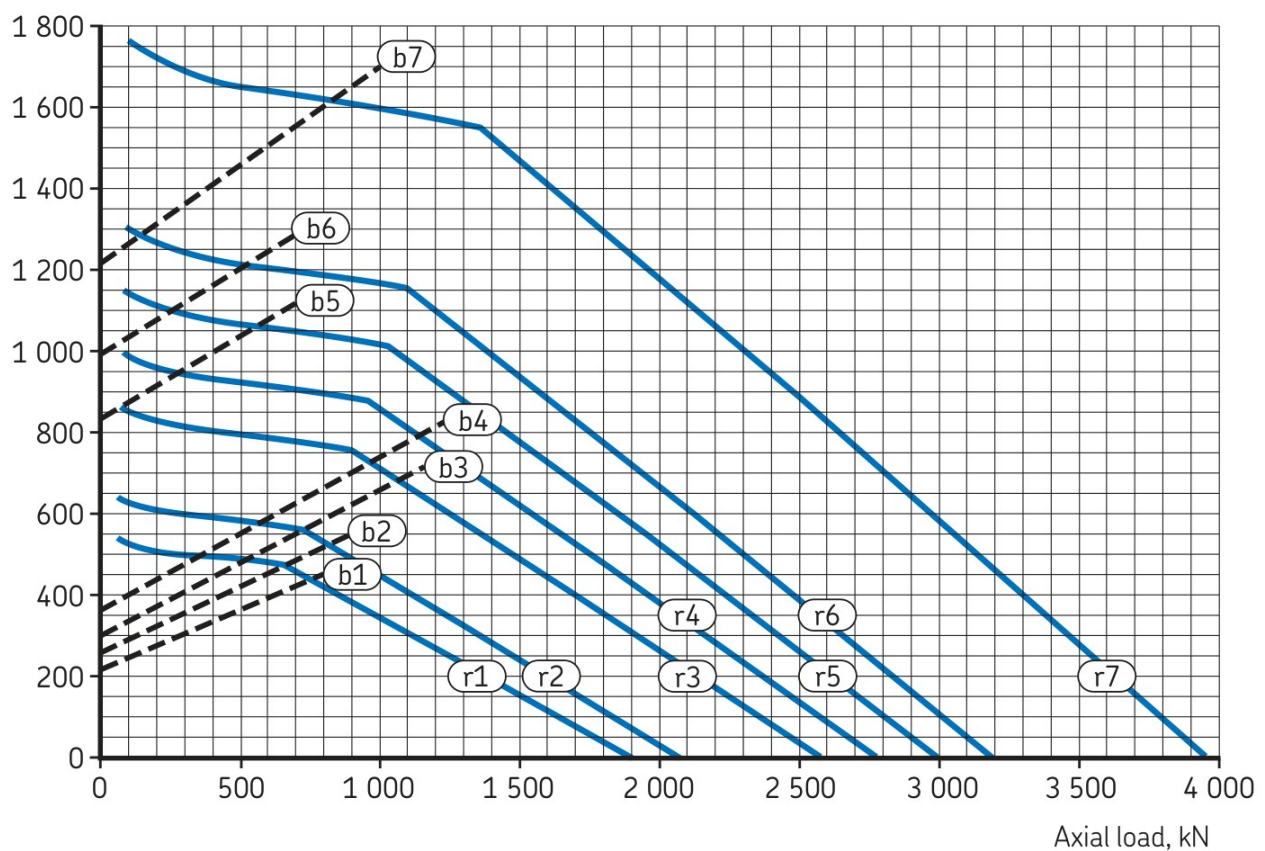
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

GEAR INTERFACE (CONTINUED)	
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: 1288f707d28b83aaa16be687791f5a6548cc9ba2dab77a2b29da52ec8a70ce41
Outline Drawing	skf-p102-outline-drawing.webp SHA-256: 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.

Tilting moment, kNm



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 DJI5YIHT7FPJGXRE57R2PTORCE	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 102 Printed page 102
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-160-16-1424/>

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