

Factory-Verified Replacement

MERYDOM RKS.23 1091

Certified for interchange with SKF RKS.23 1091. 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.23 1091

REFERENCE

SKF RKS.23 1091

SERIES

SKF_BALL_LIGHT_UNGEARED Series

STRUCTURE

Four-point contact ball

OVERALL OD

1,198 mm

OVERALL ID

1,092.5 mm

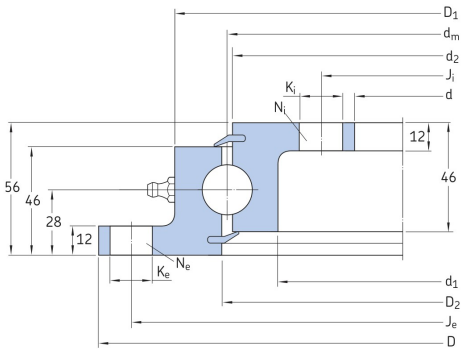
OVERALL HEIGHT

mm

GEAR

Ungeared

Published Technical Drawing



skf-p066-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.23 1091
Certified interchangeable with	SKF RKS.23 1091
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	W4SHVQPRB7D6AUGGJBGHSGK2I
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_LIGHT_UNGEARED Series
Reference model	RKS.23 1091
Bearing structure	Four-point contact ball
Gear arrangement	Ungeared
DIMENSION	
Raceway diameter (dm)	1,091 mm
Overall outside diameter (D)	1,198 mm
SKF catalogue dimension D2 (D2)	1,134 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)	1,092.5 mm
SKF catalogue dimension D1 (d1)	9,841 mm
SKF catalogue dimension d2 (d2)	481 mm
Mass (Mass)	62,0RKS.23 kg
MOUNTING	
Outer ring bolt circle (Je)	89.5117 mm
Outer ring mounting-hole specification (Ke)	18 mm
Outer ring mounting-hole count (Ne)	16 count
Inner ring bolt circle (Ji)	1,012 mm
Inner ring mounting-hole specification (Ki)	18 mm
Inner ring mounting-hole count (Ni)	20 count
PERFORMANCE	
Basic dynamic axial load rating (C)	244 kN
Basic static axial load rating (C0)	766 kN
PERFORMANCE RATINGS	
Basic Dynamic Axial	244 kN
Basic Static Axial	766 kN
MOUNTING INTERFACES	
Outer ring mounting	16 holes - 18
Inner ring mounting	20 holes - 18

Complete Product Data

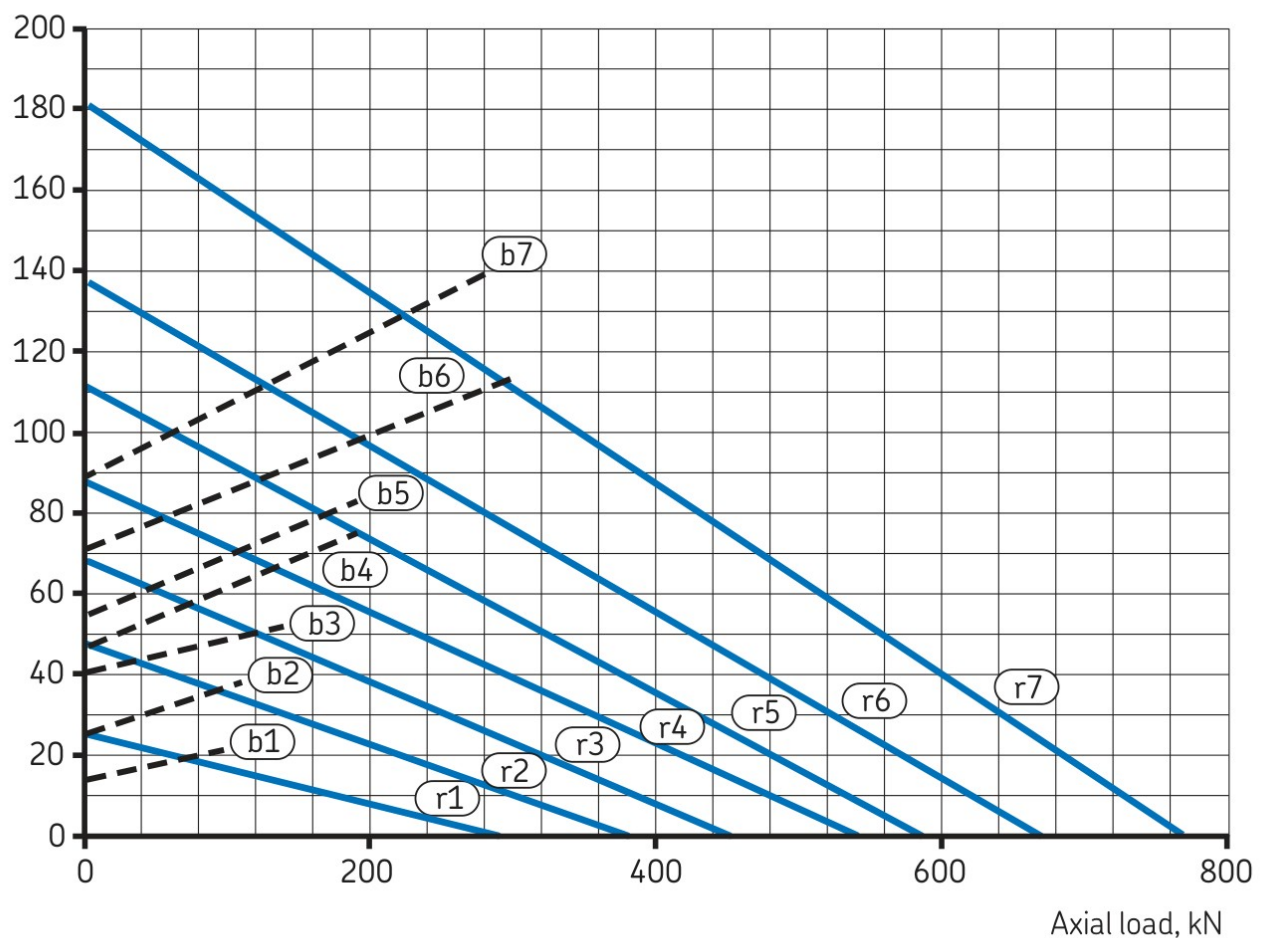
All values below are generated from the current public verified replacement record. Source values are retained and metric references are shown where available.

GEAR INTERFACE	
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	66
Printed page	66
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	skf-p067-load-curve.webp SHA-256: f98d6cdde9c1779564b41abbf61920511712d62ab068e324444e3b4aba3c62ac
Outline Drawing	skf-p066-outline-drawing.webp SHA-256: a2ebdb397a884d3e6c30af7b4f59a2c5b522e6b56e631a9afeb1825f048fc085

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-p067-load-curve.webp | SHA-256: f98d6cdd9c1779564b41abff61920511712d62ab068e324444e3b4aba3c62ac

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 W4SHVQPRB7D6AUGGJBGHSGK2I	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 66 Printed page 66
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-23-1091/>

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