

Factory-Verified Replacement

MERYDOM RKS.22 1091

Certified for interchange with SKF RKS.22 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.22 1091

REFERENCE
SKF RKS.22 1091

SERIES
SKF_BALL_LIGHT_INTERNAL Series

STRUCTURE
Four-point contact ball

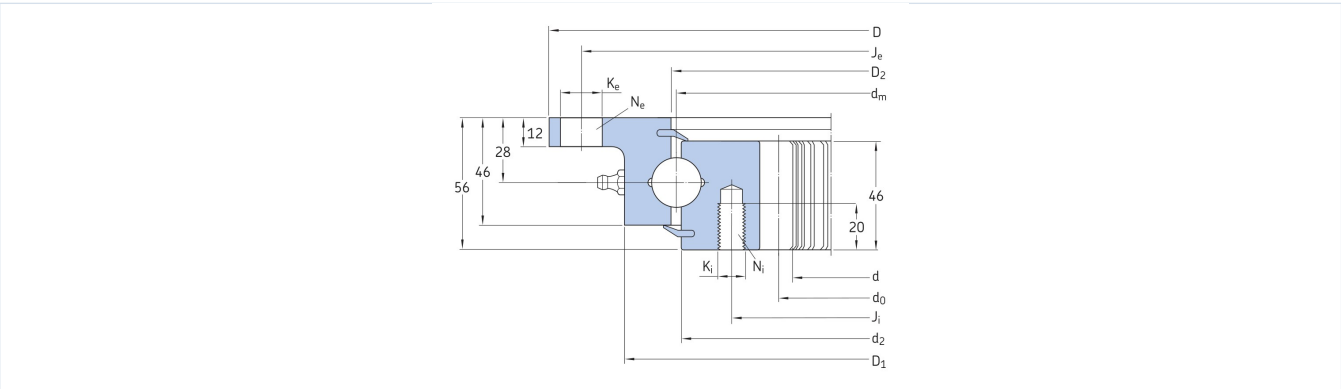
OVERALL OD
1,198 mm

OVERALL ID
1,092.5 mm

OVERALL HEIGHT
mm

GEAR
Internal gear

Published Technical Drawing



skf-p064-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.22 1091
Certified interchangeable with	SKF RKS.22 1091
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	L23YWIPDZQTFSHPNLX5GKQNEE
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_INTERNAL Series
Reference model	RKS.22 1091
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
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

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DIMENSION (CONTINUED)	
Overall inside diameter (d)	1,092.5 mm
SKF catalogue dimension D1 (d1)	986 mm
SKF catalogue dimension d2 (d2)	1,089.5 mm
Mass (Mass)	80 kg
MOUNTING	
Outer ring bolt circle (Je)	1,170 mm
Outer ring mounting-hole specification (Ke)	18 mm
Outer ring mounting-hole count (Ne)	16 count
Inner ring bolt circle (Ji)	1,055 mm
Inner ring mounting-hole specification (Ki)	M12 mm
Inner ring mounting-hole count (Ni)	24 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	24 holes - M12

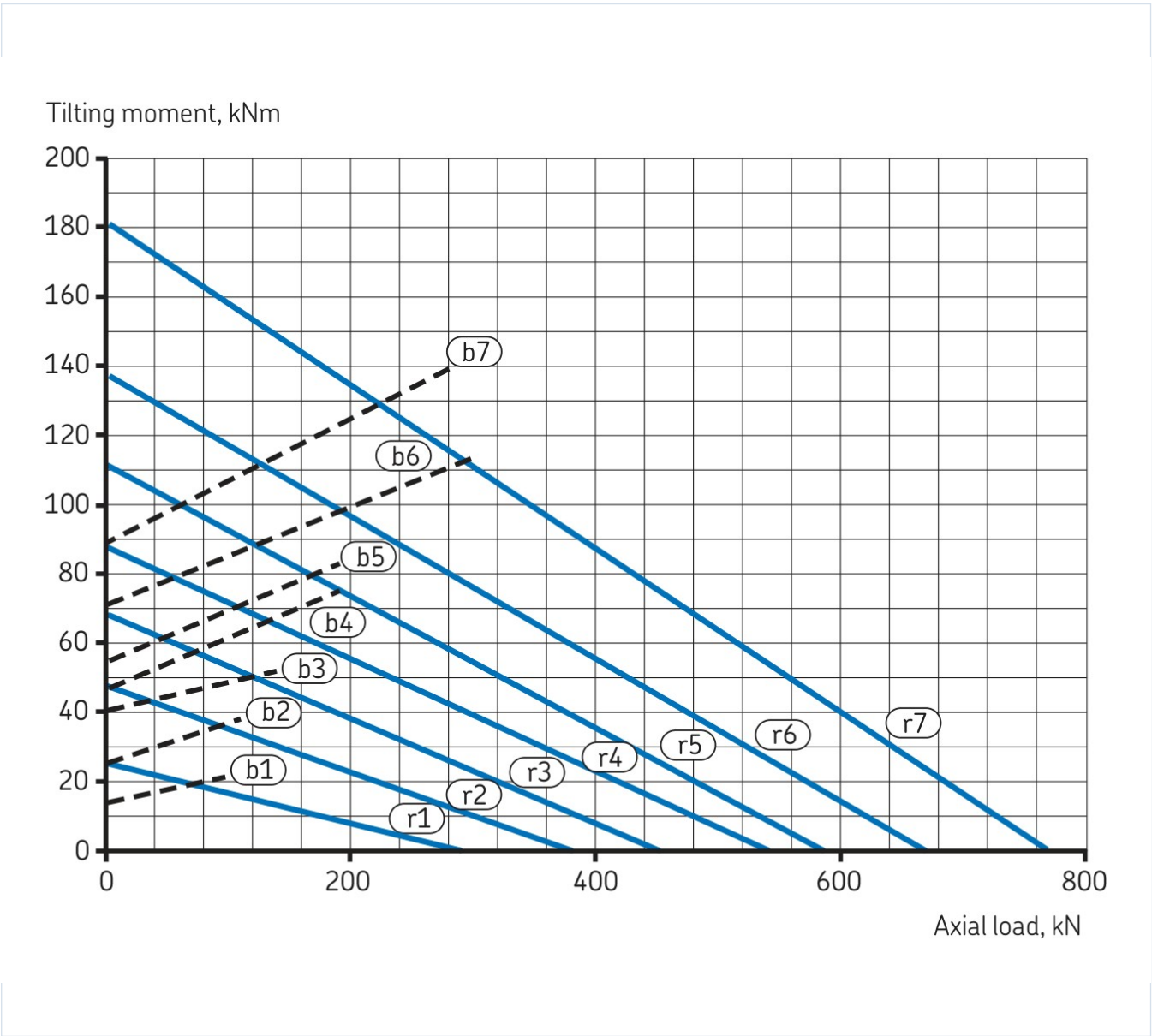
Complete Product Data

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	
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	64
Printed page	64
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	skf-p065-load-curve.webp SHA-256: d470dcb8342e682e319701a90f7c8368ab1bb9e82ec9099e29b5b0d4a9a05bce
Outline Drawing	skf-p064-outline-drawing.webp SHA-256: 6035b04199d35f99db4a432f5f3fc88ef727bdd64bbaf8d9d2aecabe7e1ee6ea

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-p065-load-curve.webp | SHA-256: d470dcb8342e682e319701a90f7c8368ab1bb9e82ec9099e29b5b0d4a9a05bce

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

L23YWIPDZQTFSHZPNLX5GKQNEE

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 64 | Printed page 64

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/products/slewing-bearing-replacements/skf/rks-22-1091/>

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