

Factory-Verified Replacement

MERYDOM RKS.21 0541

Certified for interchange with SKF RKS.21 0541. 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.21 0541

REFERENCE

SKF RKS.21 0541

SERIES

SKF_BALL_LIGHT_EXTERNAL Series

STRUCTURE

Four-point contact ball

OVERALL OD

640 mm

OVERALL ID

434 mm

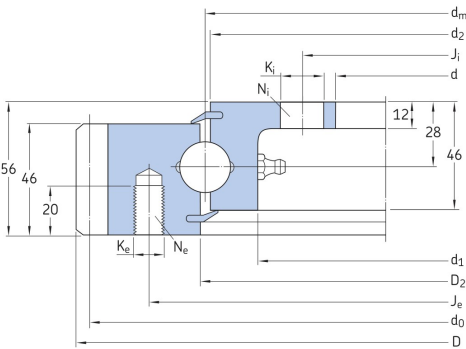
OVERALL HEIGHT

mm

GEAR

External gear

Published Technical Drawing



skf-p062-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.21 0541
Certified interchangeable with	SKF RKS.21 0541
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	XSPZQJG5TRH XK7H6SVTIJVM DRW
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_EXTERNAL Series
Reference model	RKS.21 0541
Bearing structure	Four-point contact ball
Gear arrangement	External gear
DIMENSION	
Raceway diameter (dm)	541 mm
Overall outside diameter (D)	640 mm
SKF catalogue dimension D2 (D2)	542.5 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)	434 mm
SKF catalogue dimension D1 (d1)	498 mm
SKF catalogue dimension d2 (d2)	539.5 mm
Mass (Mass)	44 kg
MOUNTING	
Outer ring bolt circle (Je)	585 mm
Outer ring mounting-hole specification (Ke)	M12 mm
Outer ring mounting-hole count (Ne)	14 count
Inner ring bolt circle (Ji)	462 mm
Inner ring mounting-hole specification (Ki)	18 mm
Inner ring mounting-hole count (Ni)	14 count
PERFORMANCE	
Basic dynamic axial load rating (C)	188 kN
Basic static axial load rating (C0)	380 kN
PERFORMANCE RATINGS	
Basic Dynamic Axial	188 kN
Basic Static Axial	380 kN
MOUNTING INTERFACES	
Outer ring mounting	14 holes - M12
Inner ring mounting	14 holes - 18

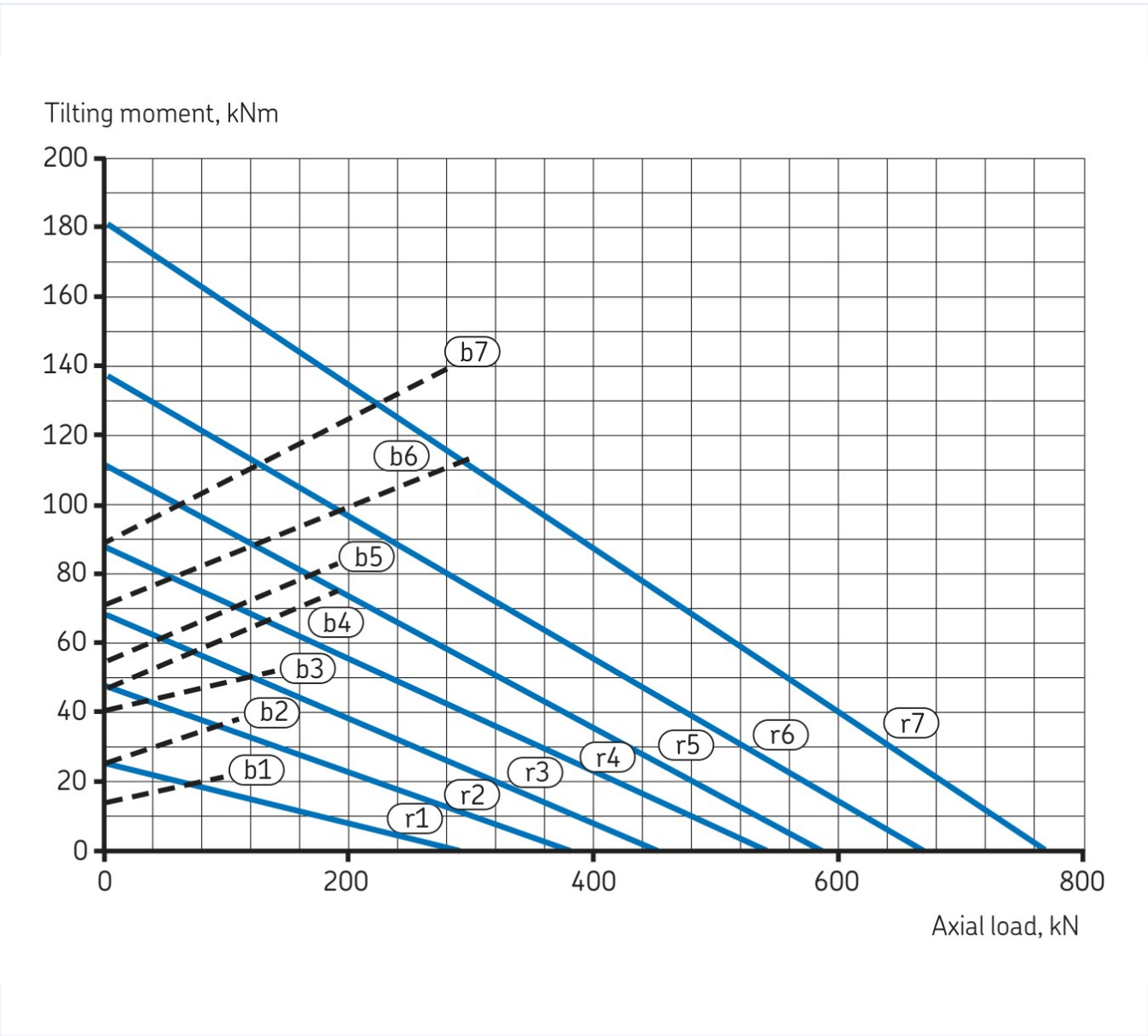
Complete Product Data

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	
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	62
Printed page	62
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	skf-p063-load-curve.webp SHA-256: 1a4899c3dcfefb043ff83921c0a2a1d31b39bc7bf43cdc6d81df3d638b c88d6d
Outline Drawing	skf-p062-outline-drawing.webp SHA-256: 8817f04e5fd01372b822c4684cbe787f9d7591b315fe5331e4d5ce25eb c58c7a

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-p063-load-curve.webp | SHA-256: 1a4899c3dcfefb043ff83921c0a2a1d31b39bc7bf43cdc6d81df3d638bc88d6d

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

XSPZQJG5TRH XK7H6SVTIJVMDRW

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

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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-21-0541/>

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