

Factory-Verified Replacement

MERYDOM RKS.22 0541

Certified for interchange with SKF RKS.22 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.22 0541

REFERENCE

SKF RKS.22 0541

SERIES

SKF_BALL_LIGHT_INTERNAL Series

STRUCTURE

Four-point contact ball

OVERALL OD

648 mm

OVERALL ID

542.5 mm

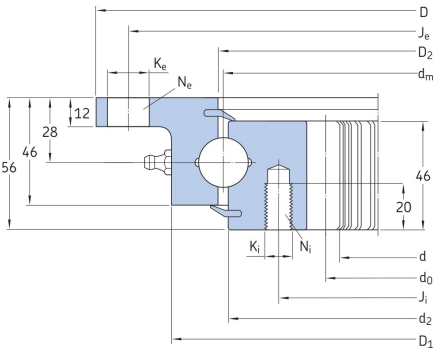
OVERALL HEIGHT

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 0541
Certified interchangeable with	SKF RKS.22 0541
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	IJIGX2NXZFBEMG3ERTN6BPOXXP
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 0541
Bearing structure	Four-point contact ball
Gear arrangement	Internal gear
DIMENSION	
Raceway diameter (dm)	541 mm
Overall outside diameter (D)	648 mm
SKF catalogue dimension D2 (D2)	584 mm

Complete Product Data

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DIMENSION (CONTINUED)	
Overall inside diameter (d)	542.5 mm
SKF catalogue dimension D1 (d1)	445 mm
SKF catalogue dimension d2 (d2)	539.5 mm
Mass (Mass)	41 kg
MOUNTING	
Outer ring bolt circle (Je)	620 mm
Outer ring mounting-hole specification (Ke)	18 mm
Outer ring mounting-hole count (Ne)	10 count
Inner ring bolt circle (Ji)	505 mm
Inner ring mounting-hole specification (Ki)	M12 mm
Inner ring mounting-hole count (Ni)	16 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	10 holes - 18
Inner ring mounting	16 holes - M12

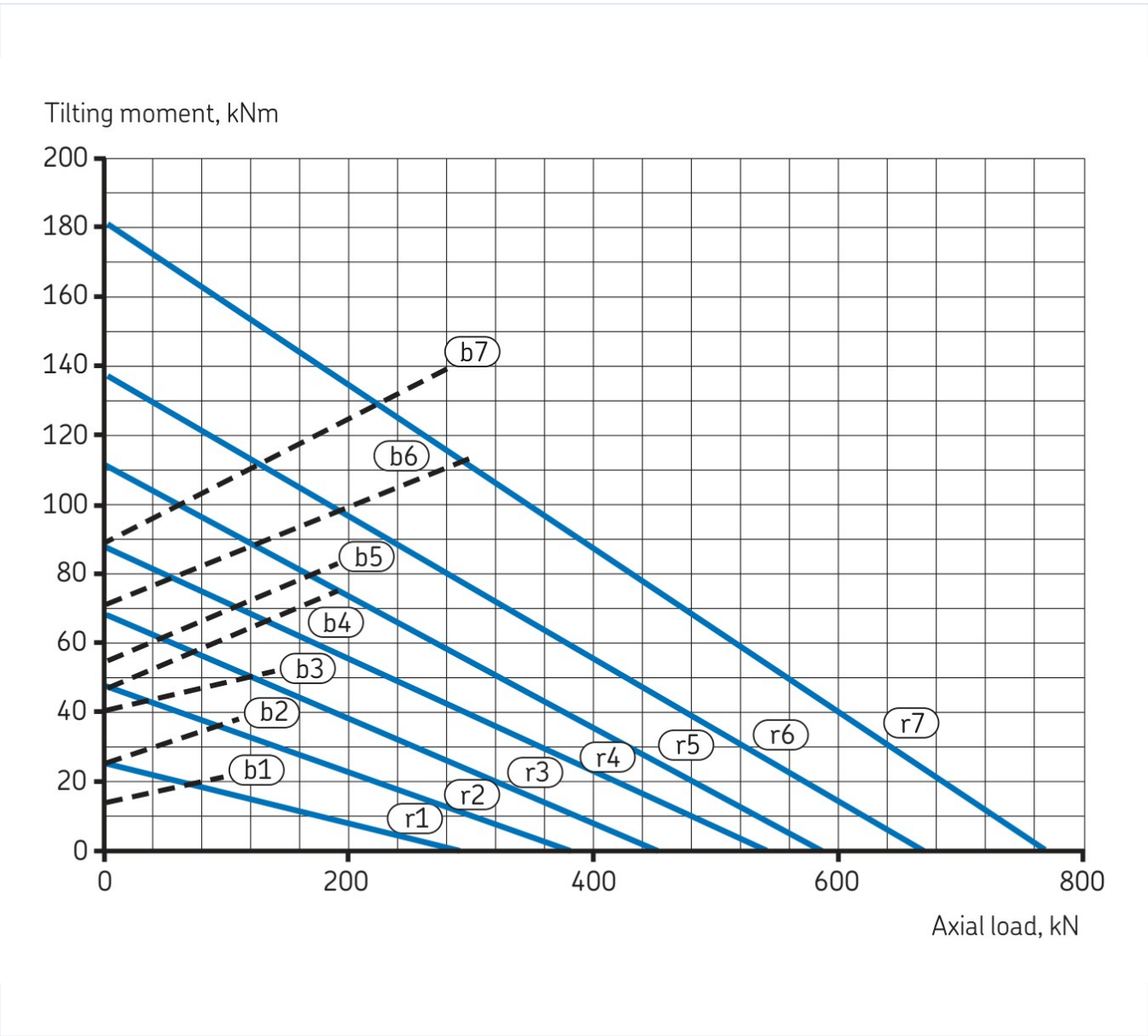
Complete Product Data

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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 IJIGX2NXZFBEMG3ERTN6BPOXXP	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 64 Printed page 64
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-22-0541/>

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