

Factory-Verified Replacement

MERYDOM RKS.427050403001

Certified for interchange with SKF RKS.427050403001. 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.427050403001

REFERENCE

SKF RKS.427050403001

SERIES

SKF_ROLLER_CUSTOM_EXTERNAL Series

STRUCTURE

Crossed Cylindrical Roller

OVERALL OD

1,804.8 mm

OVERALL ID

1,430 mm

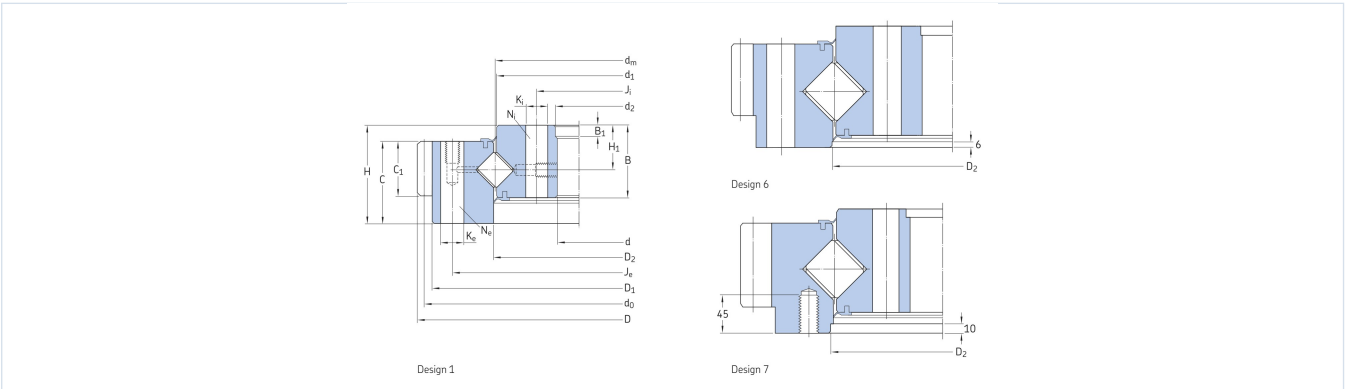
OVERALL HEIGHT

141 mm

GEAR

External gear

Published Technical Drawing



skf-p108-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.427050403001
Certified interchangeable with	SKF RKS.427050403001
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	MV3FJNQ3FAKAZOYWCHTLZQSTD6
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_CUSTOM_EXTERNAL Series
Reference model	RKS.427050403001
Bearing structure	Crossed Cylindrical Roller
Gear arrangement	External gear
DIMENSION	
Raceway diameter (dm)	1,600 mm
Overall outside diameter (D)	1,804.8 mm
Overall inside diameter (d)	1,430 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 height (H)	141 mm
SKF catalogue dimension H1 (H1)	68 mm
SKF catalogue dimension D1 (D1)	1,730 mm
SKF catalogue dimension D2 (D2)	1,608 mm
SKF catalogue dimension C (C)	125 mm
SKF catalogue dimension C1 (C1)	95 mm
SKF catalogue dimension d1 (d1)	1,597.5 mm
SKF catalogue dimension d2 (d2)	1,437 mm
SKF catalogue dimension B (B)	118 mm
SKF catalogue dimension B1 (B1)	10 mm
Mass (Mass)	710 kg
PERFORMANCE	
Basic dynamic axial load rating (C)	1,840 kN
Basic static axial load rating (C0)	7,560 kN
PERFORMANCE RATINGS	
Basic Dynamic Axial	1,840 kN
Basic Static Axial	7,560 kN
MOUNTING INTERFACES	
Outer ring mounting	holes -
Inner ring mounting	holes -

Complete Product Data

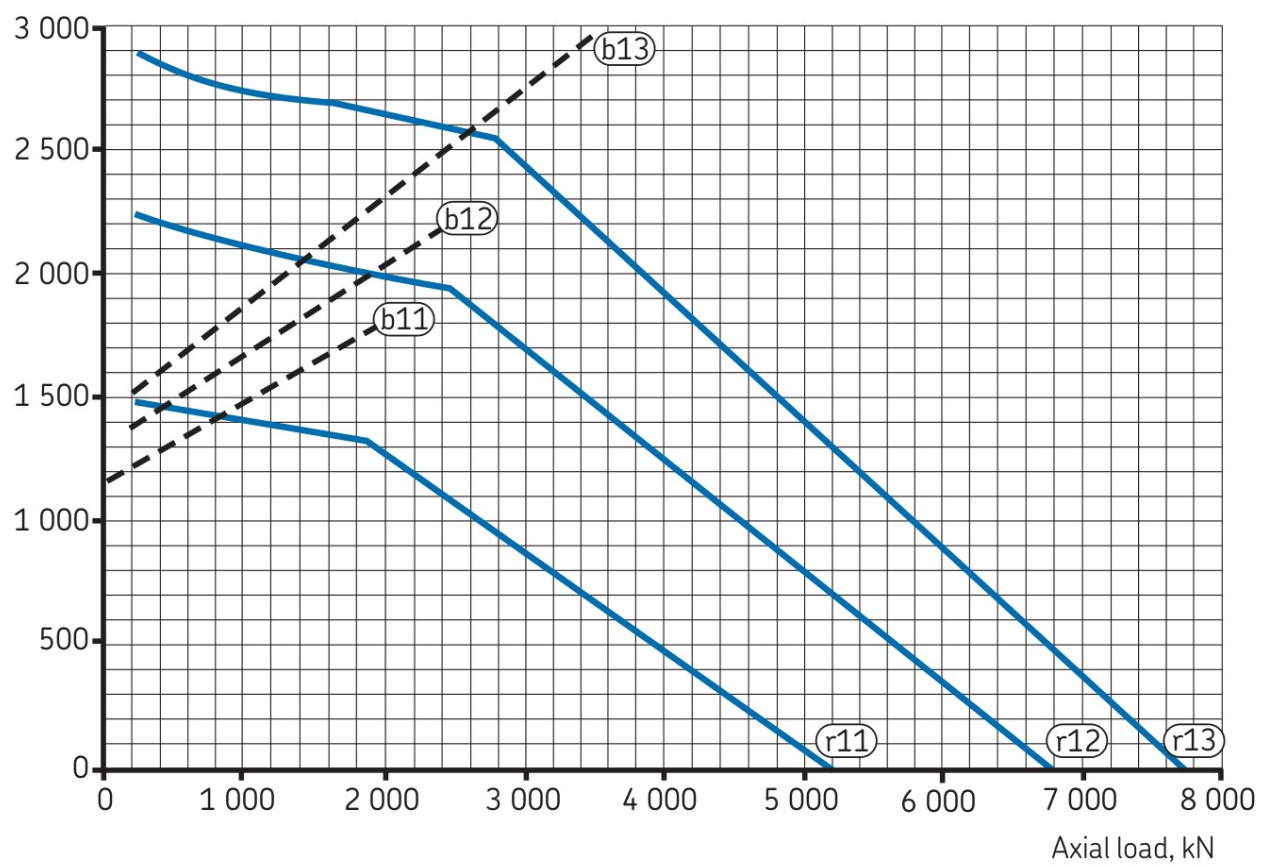
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GEAR INTERFACE	
Pitch system	Not published
SOURCE TRACEABILITY	
Source document code	SKF_SLEWING_BEARINGS_PUB_BU_P2_06115_3_EN_2019_09
Source file	SKF_Slewing_Bearings_PUB_BU_P2_06115_3_EN_2019-09.pdf
PDF page	108
Printed page	108
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	skf-p109-load-curve.webp SHA-256: 26dfdff448623ed1ea30b513c34f15232016a36942a16570d52a40b8a7fb9f11
Outline Drawing	skf-p108-outline-drawing.webp SHA-256: aee7186f1c0cb8acc84e17b1e4fa87ddf6e2dab2c11297f225b05a33b1d36aa6

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-p109-load-curve.webp | SHA-256: 26dfdf448623ed1ea30b513c34f15232016a36942a16570d52a40b8a7fb9f11

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

MV3FJNQ3FAKAZOYWCHTLZQSTD6

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 108 | Printed page 108

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-427050403001/>

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