

Factory-Verified Replacement

MERYDOM 34-1091-01

Certified for interchange with ROLLIX 34-1091-01. 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

34-1091-01

REFERENCE

ROLLIX 34-1091-01

SERIES

34 Series

STRUCTURE

Cuscinetto a sfere di serie leggera

OVERALL OD

1,198 mm

OVERALL ID

1,022 mm

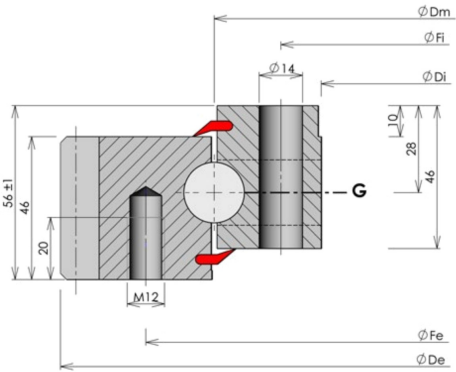
OVERALL HEIGHT

56 mm

GEAR

Dentatura esterna

Published Technical Drawing



rollix-page-094-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	34-1091-01
Certified interchangeable with	ROLLIX 34-1091-01
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	W4MRP7DNLRU3E4ZIDYCPV5FRCQ
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	ROLLIX
Reference series	34 Series
Reference model	34-1091-01
Bearing structure	Cuscinetto a sfere di serie leggera
Gear arrangement	Dentatura esterna
DIMENSION	
Overall height (HT)	56 mm
Overall outside diameter (Dia De)	1.198 mm
Outer ring height (He)	46 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 (Dia Di)	1.022 mm
Inner ring height (Hi)	46 mm
Assembly weight (Weight)	93 kg
MOUNTING	
Outer ring pilot diameter (Dia Ce)	1.094 mm
Inner ring pilot diameter (Dia Ci)	1.024 mm
Outer ring hole type (External ring hole type)	Bd
Outer ring bolt circle (Dia Fe)	1.135 mm
Outer ring mounting-hole count (Ne)	44
Outer ring mounting-hole specification (Dhe)	M12 mm
Inner ring hole type (Inner ring hole type)	Th
Inner ring bolt circle (Dia Fi)	1.048 mm
Inner ring mounting-hole count (Ni)	48
Inner ring mounting-hole specification (Dhi)	14 mm
GEAR	
Gear module (Module)	8 mm
Gear tooth count (Z)	148
Gear face width (W)	46 mm
PERFORMANCE	
Gear capacity, unhardened (Gear capacity unhardened)	55 kN

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.

MISCELLANEOUS	
Ring with greasing holes (Ring with greasing holes)	I
Greasing hole type (Greasing hole type)	R
PERFORMANCE RATINGS	
Rating Gear Capacity Unhardened	55 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	44 holes - External ring hole type Bd; Dhe M12 mm
Inner ring mounting	48 holes - Inner ring hole type Th; Dhi 14 mm
GEAR INTERFACE	
Pitch system	module
Module reference	8 mm
Number of teeth	148
SOURCE TRACEABILITY	
Source document code	ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
Source file	ROLLIX.pdf
PDF page	94
Printed page	94
Source language	EN
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	rollix-page-094-curve.webp SHA-256: 59a228fd21bc429c8d5e5217e49b162bd65d2523d771cd7ea10d3899a3f0817f

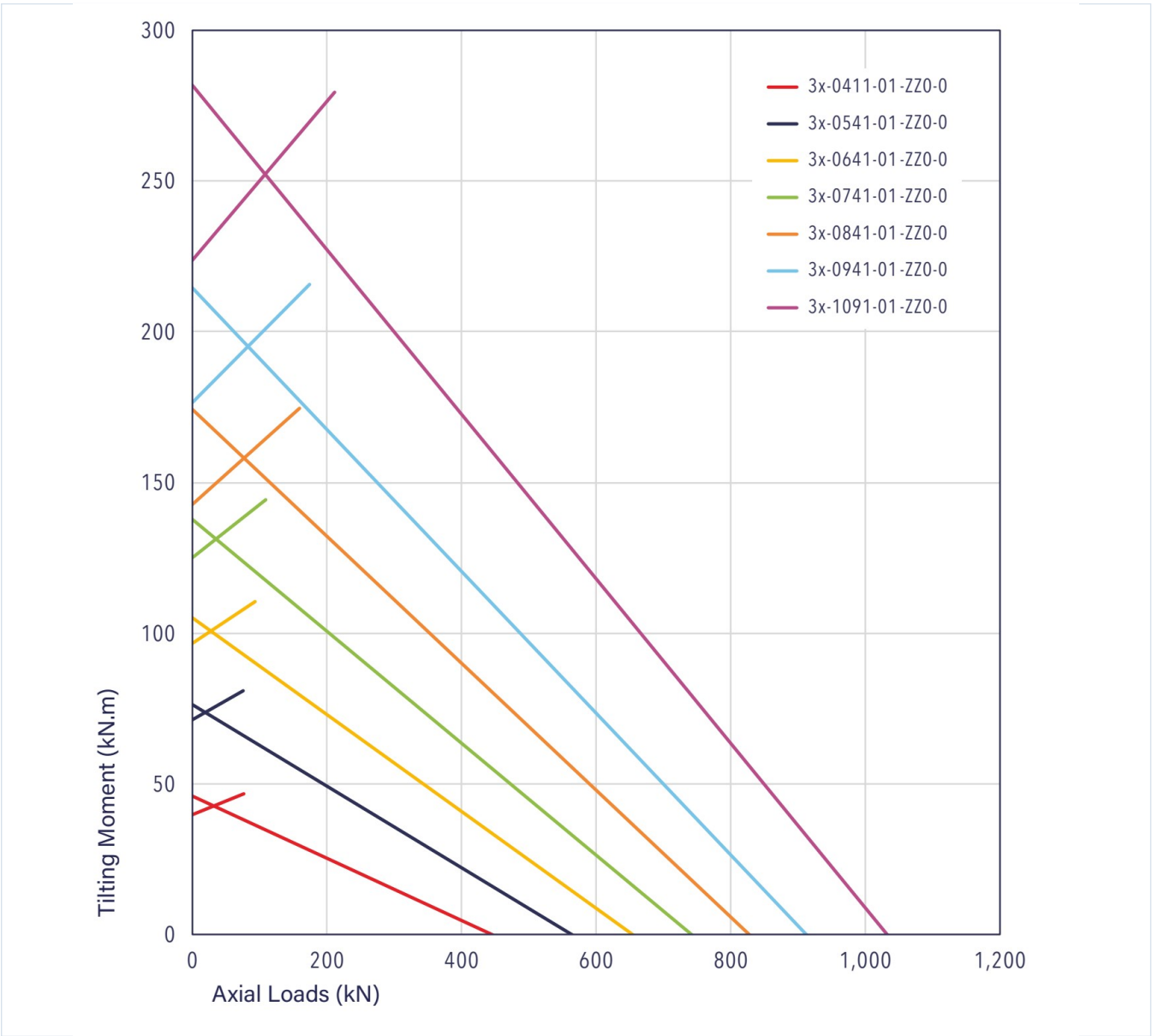
Complete Product Data

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

PUBLISHED TECHNICAL MEDIA (CONTINUED)	
Outline Drawing	rollix-page-094-drawing.webp SHA-256: 1bcd070a6fa5e4a088bd20a328019fdbfbddb0357aee2c40954f5ea5b301a256

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.



rollix-page-094-curve.webp | SHA-256: 59a228fd21bc429c8d5e5217e49b162bd65d2523d771cd7ea10d3899a3f0817f

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 W4MRP7DNLRU3E4ZIDYCPV5FRCQ	SOURCE DOCUMENT ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07
SOURCE FILE ROLLIX.pdf	SOURCE LOCATION PDF page 94 Printed page 94
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

Email: jovi@merydom.com | Email: andi@merydom.com | WhatsApp: +86 17705201170

Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/rollix/34-1091-01/>

Trademark and legal notice: referenced brand and model names are used only for identification and cross-reference. MERYDOM is an independent manufacturer and is not affiliated with or endorsed by the referenced brand unless expressly stated.