

Factory-Verified Replacement

MERYDOM 25-1091-01

Certified for interchange with ROLLIX 25-1091-01. 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

25-1091-01

REFERENCE

ROLLIX 25-1091-01

SERIES

25 Series

STRUCTURE

Light-series ball bearing

OVERALL OD

1,198 mm

OVERALL ID

986 mm

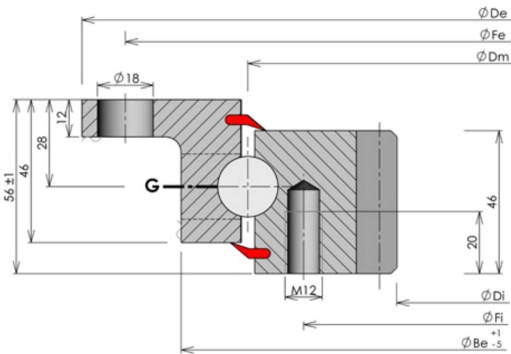
OVERALL HEIGHT

56 mm

GEAR

Internal gear

Published Technical Drawing



rollix-page-092-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                        | 25-1091-01                             |
| Certified interchangeable with       | ROLLIX 25-1091-01                      |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | JHXTJQPRLGFY34SBABZ5NTQMXU             |
| 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                     | 25 Series                              |
| Reference model                      | 25-1091-01                             |
| Bearing structure                    | Light-series ball bearing              |
| Gear arrangement                     | Internal gear                          |
| 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)                     | 986 mm   |
| Inner ring height (Hi)                               | 46 mm    |
| Assembly weight (Weight)                             | 85 kg    |
| MOUNTING                                             |          |
| Outer ring hole type (External ring hole type)       | Th       |
| Outer ring bolt circle (Dia Fe)                      | 1,170 mm |
| Outer ring mounting-hole count (Ne)                  | 16       |
| Outer ring mounting-hole specification (Dhe)         | 18 mm    |
| Inner ring hole type (Inner ring hole type)          | Bd       |
| Inner ring bolt circle (Dia Fi)                      | 1,055 mm |
| Inner ring mounting-hole count (Ni)                  | 24       |
| Inner ring mounting-hole specification (Dhi)         | M12 mm   |
| GEAR                                                 |          |
| Gear module (Module)                                 | 8 mm     |
| Gear tooth count (Z)                                 | 125      |
| Gear face width (W)                                  | 46 mm    |
| PERFORMANCE                                          |          |
| Gear capacity, unhardened (Gear capacity unhardened) | 54 kN    |
| MISCELLANEOUS                                        |          |
| Ring with greasing holes (Ring with greasing holes)  | E        |

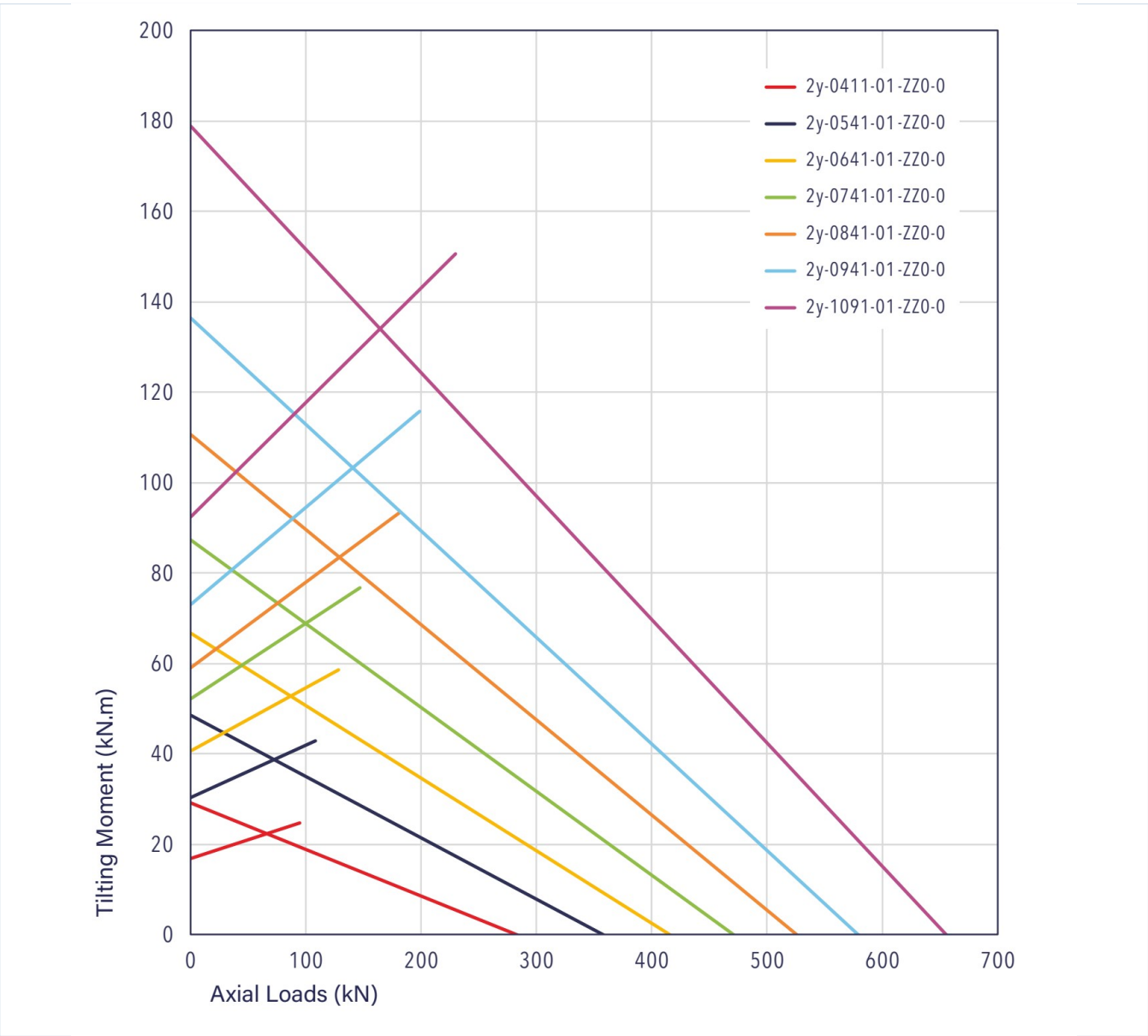
# Complete Product Data

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

| MISCELLANEOUS (CONTINUED)               |                                                                                                             |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|
| Greasing hole type (Greasing hole type) | R                                                                                                           |
| PERFORMANCE RATINGS                     |                                                                                                             |
| Rating Gear Capacity Unhardened         | 54 kN   Not simultaneous with other listed dynamic ratings                                                  |
| MOUNTING INTERFACES                     |                                                                                                             |
| Outer ring mounting                     | 16 holes - External ring hole type Th; Dhe 18 mm                                                            |
| Inner ring mounting                     | 24 holes - Inner ring hole type Bd; Dhi M12 mm                                                              |
| GEAR INTERFACE                          |                                                                                                             |
| Pitch system                            | module                                                                                                      |
| Module reference                        | 8 mm                                                                                                        |
| Number of teeth                         | 125                                                                                                         |
| SOURCE TRACEABILITY                     |                                                                                                             |
| Source document code                    | ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07                                                                      |
| Source file                             | ROLLIX.pdf                                                                                                  |
| PDF page                                | 92                                                                                                          |
| Printed page                            | 92                                                                                                          |
| Source language                         | EN                                                                                                          |
| Original unit system                    | Metric                                                                                                      |
| PUBLISHED TECHNICAL MEDIA               |                                                                                                             |
| Load Curve Chart                        | rollix-page-092-curve.webp   SHA-256:<br>45b2a64c043f0c11019597338119f1f67d486ac48379e7c8aeb2faca52d0c326   |
| Outline Drawing                         | rollix-page-092-drawing.webp   SHA-256:<br>134d05a6d052f43320272476eb338c5572e47c4cbd516b1a1ea83ebd1208f9f9 |

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-092-curve.webp | SHA-256: 45b2a64c043f0c11019597338119f1f67d486ac48379e7c8aeb2faca52d0c326

Engineering note: final approval must also consider mounting rigidity, bolt capacity, duty cycle, lubrication, temperature, environment and installation conditions.

Source and Verification Traceability

|                                                                               |                                                                              |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <div>PUBLIC RECORD UID</div> <div>JHXTJQPRLGFY34SBABZ5NTQMXU</div>            | <div>SOURCE DOCUMENT</div> <div>ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07</div> |
| <div>SOURCE FILE</div> <div>ROLLIX.pdf</div>                                  | <div>SOURCE LOCATION</div> <div>PDF page 92   Printed page 92</div>          |
| <div>VERIFICATION</div> <div>Level 3 - MERYDOM Engineering<br/>Verified</div> | <div>REVIEWED BY</div> <div>MERYDOM Engineering Department</div>             |

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/rollix/25-1091-01/>

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