

**MERYDOM 24-0841-01**

Reviewed by MERYDOM Engineering Department. Final application approval must confirm loads, duty cycle, mounting rigidity, bolt capacity, lubrication and operating conditions.

## Dentatura esterna

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                        | 24-0841-01                             |
| Certified interchangeable with       | ROLLIX 24-0841-01                      |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | U5VYCSUJJE6UIZ265MVAIHDN7X             |
| 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                     | 24 Series                              |
| Reference model                      | 24-0841-01                             |
| Bearing structure                    | Cuscinetto a sfere di serie leggera    |
| Gear arrangement                     | Dentatura esterna                      |
| DIMENSION                            |                                        |
| Overall height (HT)                  | 56 mm                                  |
| Overall outside diameter (Dia De)    | 950 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)                     | 734 mm |
| Inner ring height (Hi)                               | 46 mm  |
| Assembly weight (Weight)                             | 71 kg  |
| MOUNTING                                             |        |
| Outer ring hole type (External ring hole type)       | Bd     |
| Outer ring bolt circle (Dia Fe)                      | 885 mm |
| Outer ring mounting-hole count (Ne)                  | 18     |
| Outer ring mounting-hole specification (Dhe)         | M12 mm |
| Inner ring hole type (Inner ring hole type)          | Th     |
| Inner ring bolt circle (Dia Fi)                      | 762 mm |
| Inner ring mounting-hole count (Ni)                  | 18     |
| Inner ring mounting-hole specification (Dhi)         | 18 mm  |
| GEAR                                                 |        |
| Gear module (Module)                                 | 8 mm   |
| Gear tooth count (Z)                                 | 117    |
| Gear face width (W)                                  | 46 mm  |
| PERFORMANCE                                          |        |
| Gear capacity, unhardened (Gear capacity unhardened) | 55 kN  |
| MISCELLANEOUS                                        |        |
| Ring with greasing holes (Ring with greasing holes)  | I      |

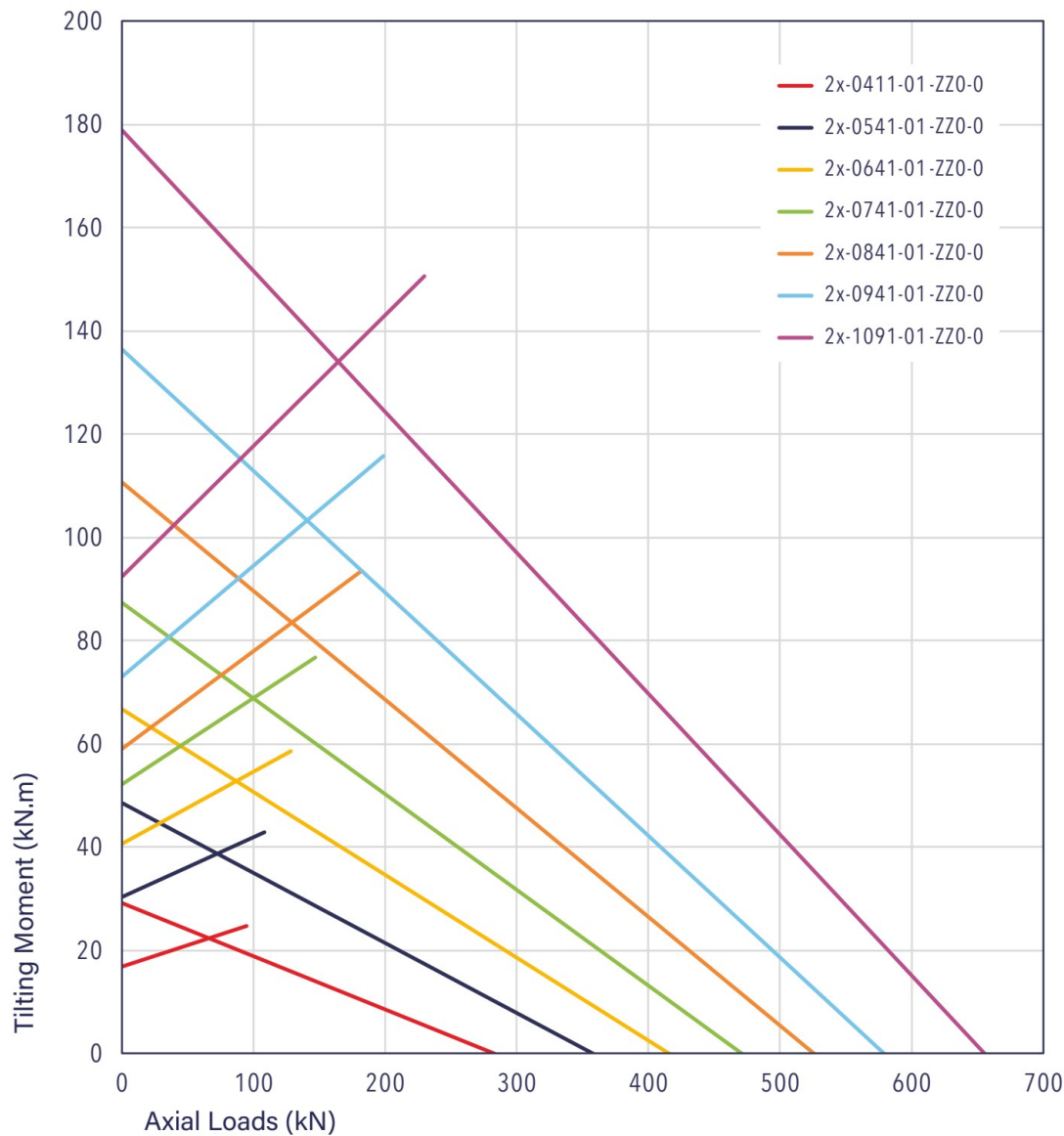
# Complete Product Data

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         | 55 kN   Not simultaneous with other listed dynamic ratings                                                  |
| MOUNTING INTERFACES                     |                                                                                                             |
| Outer ring mounting                     | 18 holes - External ring hole type Bd; Dhe M12 mm                                                           |
| Inner ring mounting                     | 18 holes - Inner ring hole type Th; Dhi 18 mm                                                               |
| GEAR INTERFACE                          |                                                                                                             |
| Pitch system                            | module                                                                                                      |
| Module reference                        | 8 mm                                                                                                        |
| Number of teeth                         | 117                                                                                                         |
| SOURCE TRACEABILITY                     |                                                                                                             |
| Source document code                    | ROLLIX-CATALOGUE-SLEWING-RINGS-2024-07                                                                      |
| Source file                             | ROLLIX.pdf                                                                                                  |
| PDF page                                | 91                                                                                                          |
| Printed page                            | 91                                                                                                          |
| Source language                         | EN                                                                                                          |
| Original unit system                    | Metric                                                                                                      |
| PUBLISHED TECHNICAL MEDIA               |                                                                                                             |
| Load Curve Chart                        | rollix-page-091-curve.webp   SHA-256:<br>761fa565d0a9fd56d66e3316d7999a0d03881dad3b2769870d2a9debad5640e5   |
| Outline Drawing                         | rollix-page-091-drawing.webp   SHA-256:<br>fe4687b4c393b30ab31b2f706ac4728e2f4be2e83961e38369e9b725b30f21d4 |

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-091-curve.webp | SHA-256: 761fa565d0a9fd56d66e3316d7999a0d03881dad3b2769870d2a9debad5640e5

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>U5VYCSUJJE6UIZ265MVAIHDN7X</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 91   Printed page 91</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

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

Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/rollix/24-0841-01/>

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.