

Factory-Verified Replacement

MERYDOM 10-32 0680/0-00928

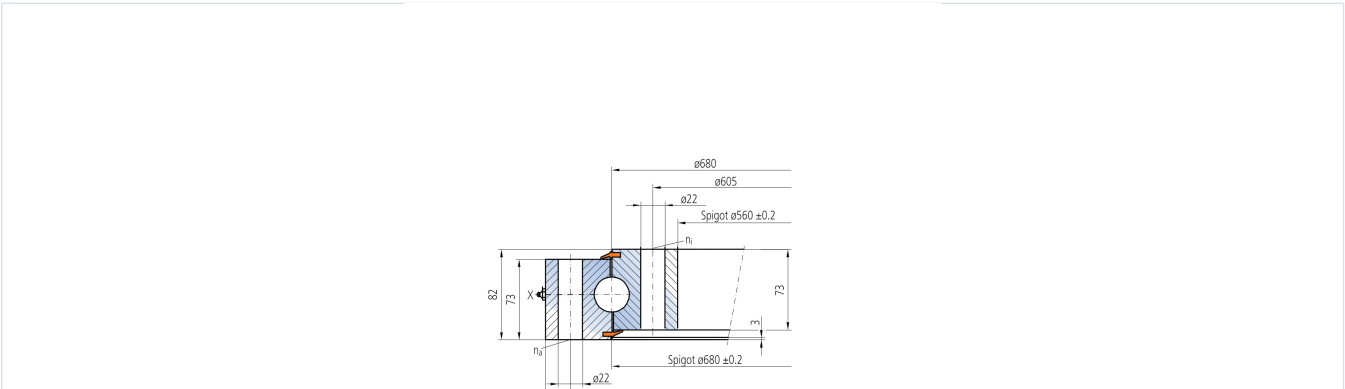
Certified for interchange with IMO 10-32 0680/0-00928.  
This document consolidates the public product record,  
complete published specifications, technical media,  
source traceability and engineering confirmation notes.

**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              | REFERENCE               |
| 10-32 0680/0-00928         | IMO 10-32 0680/0-00928  |
| SERIES                     | STRUCTURE               |
| OTHER_STANDARD_BALL Series | Four-point contact ball |
| OVERALL OD                 | OVERALL ID              |
| mm                         | mm                      |
| OVERALL HEIGHT             | GEAR                    |
| mm                         | Ungeared                |

Published Technical Drawing



imo-10320680000928-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                        | 10-32 0680/0-00928                     |
| Certified interchangeable with       | IMO 10-32 0680/0-00928                 |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | AWUSSYFM3LBU3CASHTKJ75RMAY             |
| MATERIALS                            |                                        |
| Configurable ring material options   | 42CrMo / 50Mn                          |
| Seal material                        | NBR - Nitrile rubber                   |
| Configurable spacer material options | Engineering nylon / Brass              |
| IDENTIFICATION                       |                                        |
| Reference brand                      | IMO                                    |
| Reference series                     | OTHER_STANDARD_BALL Series             |
| Reference model                      | 10-32 0680/0-00928                     |
| Bearing structure                    | Four-point contact ball                |
| Gear arrangement                     | Ungeared                               |
| DIMENSION                            |                                        |
| Assembly weight (G)                  | 120 kg                                 |
| MOUNTING                             |                                        |
| Outer ring mounting-hole count (na)  | 24                                     |

# 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.

| MOUNTING (CONTINUED)                |                                                               |
|-------------------------------------|---------------------------------------------------------------|
| Inner ring mounting-hole count (ni) | 24                                                            |
| PERFORMANCE                         |                                                               |
| Static radial load rating (Co_rad)  | 636 kN                                                        |
| Static axial load rating (Co_ax)    | 1,702 kN                                                      |
| Dynamic radial load rating (C_rad)  | 365 kN                                                        |
| Dynamic axial load rating (C_ax)    | 425 kN                                                        |
| PERFORMANCE RATINGS                 |                                                               |
| Co Rad                              | 636 kN   Not simultaneous with other listed dynamic ratings   |
| Co Ax                               | 1,702 kN   Not simultaneous with other listed dynamic ratings |
| C Rad                               | 365 kN   Not simultaneous with other listed dynamic ratings   |
| C Ax                                | 425 kN   Not simultaneous with other listed dynamic ratings   |
| MOUNTING INTERFACES                 |                                                               |
| Outer ring mounting                 | 24 holes - See source drawing                                 |
| Inner ring mounting                 | 24 holes - See source drawing                                 |
| GEAR INTERFACE                      |                                                               |
| Integral gear                       | Not applicable - ungeared bearing                             |
| SOURCE TRACEABILITY                 |                                                               |
| Source document code                | IMO_OTHER_STANDARD_BALL_EN                                    |
| Source file                         | imo_weitere_standard-kugeldrehverbindungen-en.pdf             |
| PDF page                            | 13                                                            |

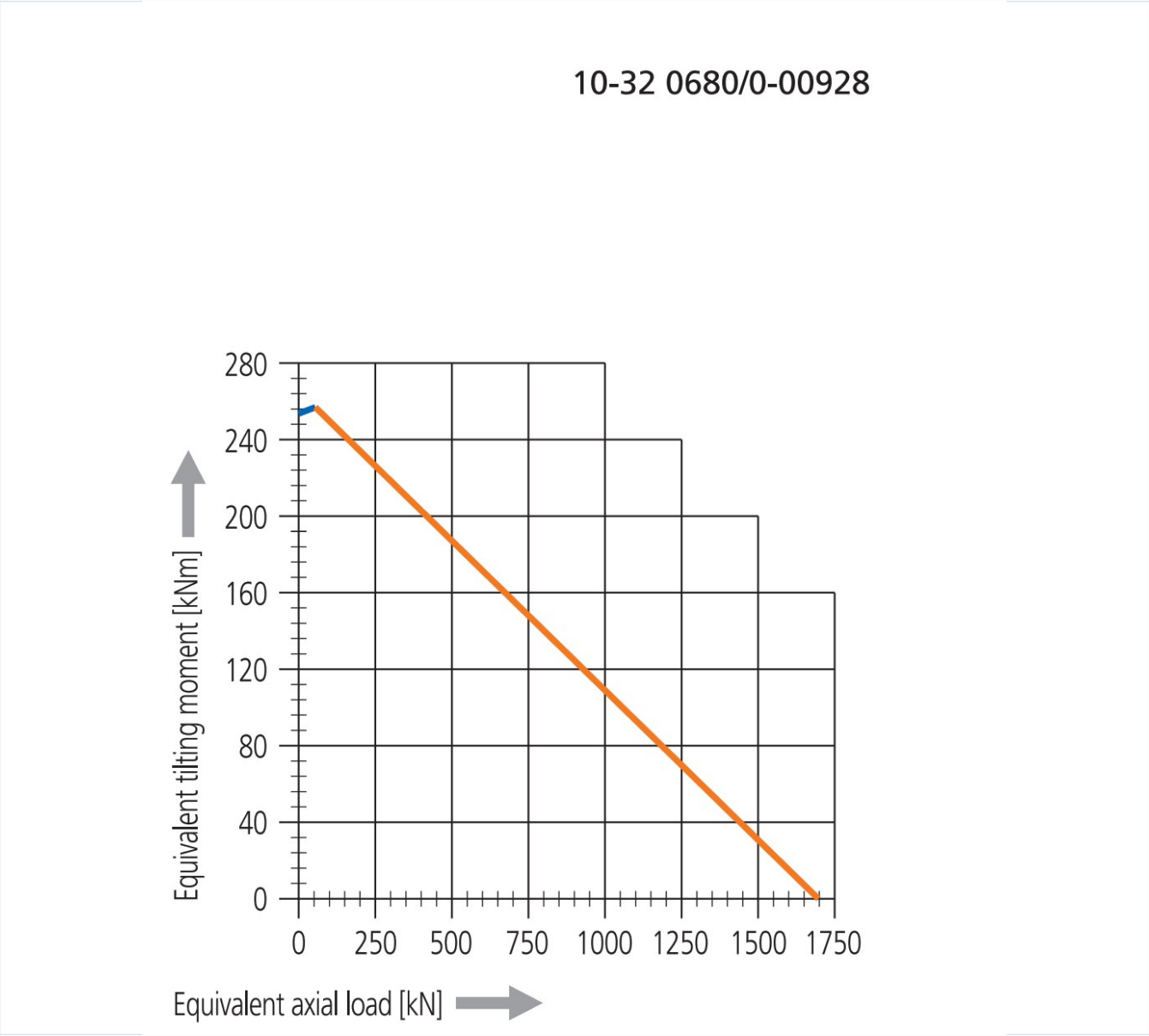
Complete Product Data

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

| SOURCE TRACEABILITY (CONTINUED) |                                                                                                                |
|---------------------------------|----------------------------------------------------------------------------------------------------------------|
| Printed page                    | Not published                                                                                                  |
| Source language                 | EN                                                                                                             |
| Original unit system            | Metric                                                                                                         |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                                |
| Load Curve Chart                | imo-10320680000928-curve.webp   SHA-256:<br>59a719bf97afd98f6f59745d8c4427b7071b9b0035647133efccd70dfc632617   |
| Outline Drawing                 | imo-10320680000928-drawing.webp   SHA-256:<br>0346fab320dda35e5e3fdd3823e20515d4416532cda1b4ae2d98646fa67b4d71 |

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.



imo-10320680000928-curve.webp | SHA-256: 59a719bf97afd98f6f59745d8c4427b7071b9b0035647133efccd70dfc632617

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>AWUSSYFM3LBU3CASHTKJ75RMAY</div>                  | <div>SOURCE DOCUMENT</div> <div>IMO_OTHER_STANDARD_BALL_EN</div>               |
| <div>SOURCE FILE</div> <div>imo_weitere_standard-kugeldrehverbindungen-en.pdf</div> | <div>SOURCE LOCATION</div> <div>PDF page 13   Printed page Not published</div> |
| <div>VERIFICATION</div> <div>Level 3 - MERYDOM Engineering 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/products/slewing-bearing-replacements/imo/10-32-0680-0-00928/>

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.