

**MERYDOM 10-25 0380/0-03908**

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

IMO 10-25 0380/0-03908

### Four-point contact ball

mm

### Ung geared

## 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                        | 10-25 0380/0-03908                     |
| Certified interchangeable with       | IMO 10-25 0380/0-03908                 |
| Verification status                  | Level 3 - MERYDOM Engineering Verified |
| Reviewed by                          | MERYDOM Engineering Department         |
| Public record UID                    | C7S5MOO7ZIJ5JX4Z4QIDCEEN2V             |
| 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                      | 10-25 0380/0-03908                     |
| Bearing structure                    | Four-point contact ball                |
| Gear arrangement                     | Ungeared                               |
| DIMENSION                            |                                        |
| Assembly weight (G)                  | 41 kg                                  |
| MOUNTING                             |                                        |
| Outer ring mounting-hole count (na)  | 16                                     |

# Complete Product Data

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| MOUNTING (CONTINUED)                |                                                               |
|-------------------------------------|---------------------------------------------------------------|
| Inner ring mounting-hole count (ni) | 16                                                            |
| PERFORMANCE                         |                                                               |
| Static radial load rating (Co_rad)  | 392 kN                                                        |
| Static axial load rating (Co_ax)    | 1,050 kN                                                      |
| Dynamic radial load rating (C_rad)  | 298 kN                                                        |
| Dynamic axial load rating (C_ax)    | 346 kN                                                        |
| PERFORMANCE RATINGS                 |                                                               |
| Co Rad                              | 392 kN   Not simultaneous with other listed dynamic ratings   |
| Co Ax                               | 1,050 kN   Not simultaneous with other listed dynamic ratings |
| C Rad                               | 298 kN   Not simultaneous with other listed dynamic ratings   |
| C Ax                                | 346 kN   Not simultaneous with other listed dynamic ratings   |
| MOUNTING INTERFACES                 |                                                               |
| Outer ring mounting                 | 16 holes - See source drawing                                 |
| Inner ring mounting                 | 16 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                            | 7                                                             |

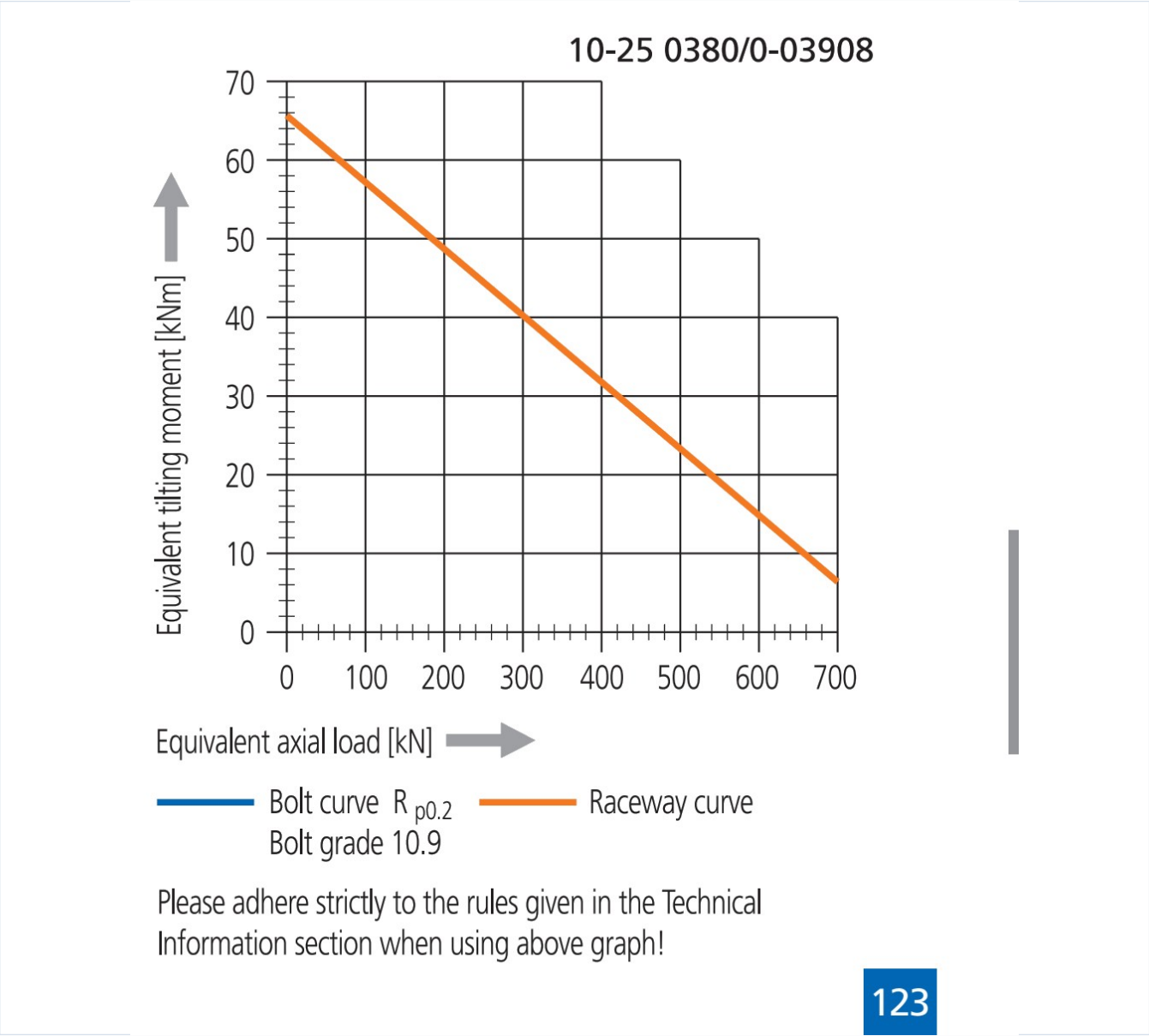
Complete Product Data

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-10250380003908-curve.webp   SHA-256:<br>afbe4492bed6fd7559d4f6f16db3abada79adcf5ffc79afdb65780fed44866ba   |
| Outline Drawing                 | imo-10250380003908-drawing.webp   SHA-256:<br>4680b2ab5eec41398f394568589e5b2cd43f0da1b7b1db92f2123c4ac9a069df |

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-10250380003908-curve.webp | SHA-256: afbe4492bed6fd7559d4f6f16db3abada79adcf5ffc79afdb65780fed44866ba

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>C7S5MOO7ZIJ5JX4Z4QIDCEEN2V</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 7   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/10-25-0380-0-03908/>

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.