

**MERYDOM 90-32 1355/0-06055**

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

## 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                        | 90-32 1355/0-06055                      |
| Certified interchangeable with       | IMO 90-32 1355/0-06055                  |
| Verification status                  | Level 3 - MERYDOM Engineering Verified  |
| Reviewed by                          | MERYDOM Engineering Department          |
| Public record UID                    | 6Z3AVSHXC4HBR4WSBD3JVU6CVF              |
| 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                     | 932 Series                              |
| Reference model                      | 90-32 1355/0-06055                      |
| Bearing structure                    | Cuscinetto a sfere con anelli flangiati |
| Gear arrangement                     | Senza dentatura                         |
| DIMENSION                            |                                         |
| Overall outside diameter (Da)        | 1.500 mm                                |
| Overall inside diameter (di)         | 1.205 mm                                |
| Assembly weight (G)                  | 186 kg                                  |

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| MOUNTING                            |                                                               |
|-------------------------------------|---------------------------------------------------------------|
| Outer ring bolt circle (La)         | 1.460 mm                                                      |
| Outer ring mounting-hole count (na) | 42                                                            |
| Inner ring bolt circle (Li)         | 1.245 mm                                                      |
| Inner ring mounting-hole count (ni) | 42                                                            |
| PERFORMANCE                         |                                                               |
| Static radial load rating (Co_rad)  | 1.460 kN                                                      |
| Static axial load rating (Co_ax)    | 3.908 kN                                                      |
| Dynamic radial load rating (C_rad)  | 469 kN                                                        |
| Dynamic axial load rating (C_ax)    | 546 kN                                                        |
| PERFORMANCE RATINGS                 |                                                               |
| Co Rad                              | 1.460 kN   Not simultaneous with other listed dynamic ratings |
| Co Ax                               | 3.908 kN   Not simultaneous with other listed dynamic ratings |
| C Rad                               | 469 kN   Not simultaneous with other listed dynamic ratings   |
| C Ax                                | 546 kN   Not simultaneous with other listed dynamic ratings   |
| MOUNTING INTERFACES                 |                                                               |
| Outer ring mounting                 | 42 holes - See source drawing                                 |
| Inner ring mounting                 | 42 holes - See source drawing                                 |
| GEAR INTERFACE                      |                                                               |
| Integral gear                       | Not applicable - ungeared bearing                             |
| SOURCE TRACEABILITY                 |                                                               |

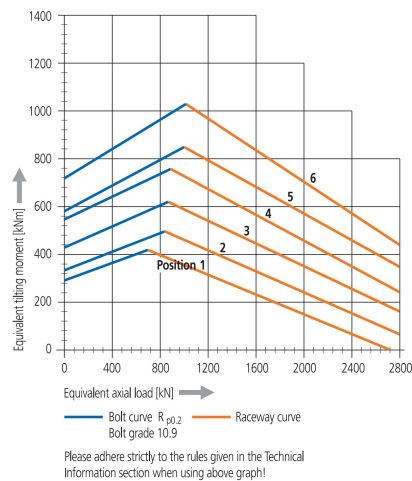
Complete Product Data

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) |                                                                                                                    |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Source document code            | IMO_FLANGE_BALL_EN                                                                                                 |
| Source file                     | imo_kugeldrehverbindung_mit_flanschring-en.pdf                                                                     |
| PDF page                        | 7                                                                                                                  |
| Printed page                    | Not published                                                                                                      |
| Source language                 | EN                                                                                                                 |
| Original unit system            | Metric                                                                                                             |
| PUBLISHED TECHNICAL MEDIA       |                                                                                                                    |
| Load Curve Chart                | imo-90321355006055-curve.webp   SHA-256:<br>a44feff5429d64f7d07f60850d7264707f422d0db41338a7dd379f06d9<br>b83d9f   |
| Outline Drawing                 | imo-90321355006055-drawing.webp   SHA-256:<br>a7b3ea7414e98cf4e3b3dbefec2ad21c277d1a7289ac0de3d5305f88df<br>9f914f |

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.



Radial clearance: 0 - 0.2 mm  
Axial tilting clearance: 0 - 0.4 mm  
Bearing ring material: C45N  
6 Taper type grease nipples on the circumference  
Mounting holes equally spaced  
Raceway system supplied pre-lubricated.  
Dimensions without tolerances DIN ISO 2768 coarse

imo-90321355006055-curve.webp | SHA-256: a44feff5429d64f7d07f60850d7264707f422d0db41338a7dd379f06d9b83d9f

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>6Z3AVSHXC4HBR4WSBD3JVU6CVF</div>               | <div>SOURCE DOCUMENT</div> <div>IMO_FLANGE_BALL_EN</div>                      |
| <div>SOURCE FILE</div> <div>imo_kugeldrehverbindung_mit_flanschring-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

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Product page: <https://rotnex.com/it/prodotti/cuscinetti-di-rotazione-sostitutivi/imo/90-32-1355-0-06055/>

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