

Factory-Verified Replacement

MERYDOM XU 080120

Certified for interchange with INA XU 080120. 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

XU 080120

REFERENCE

INA XU 080120

SERIES

XU Series

STRUCTURE

apraz makaral

OVERALL OD

170 mm

OVERALL ID

69 mm

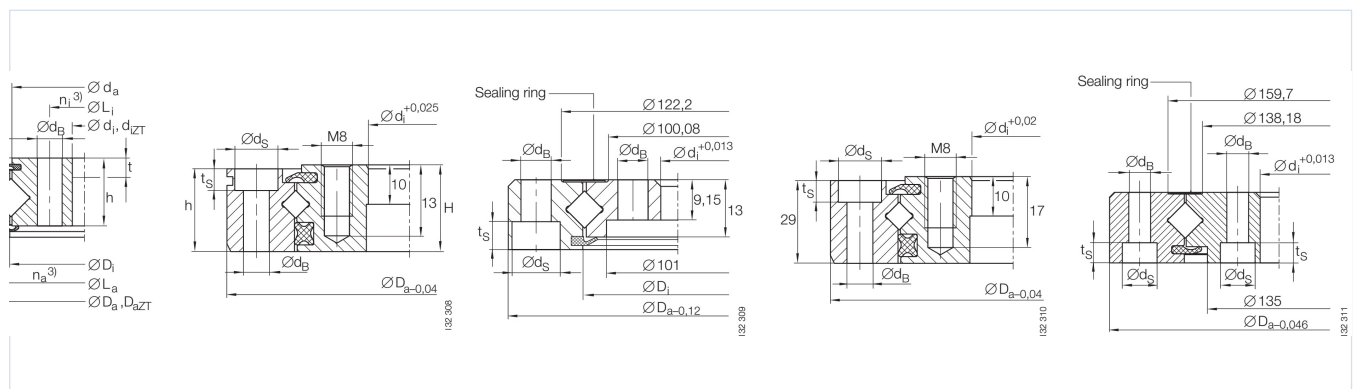
OVERALL HEIGHT

30 mm

GEAR

Di lisiz

Published Technical Drawing



ina-g18-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	XU 080120
Certified interchangeable with	INA XU 080120
Verification status	Level 3 - MERYDOM Engineering Verified
Reviewed by	MERYDOM Engineering Department
Public record UID	E2XYTCSSXBHZZLFBD6GFUUHWH
MATERIALS	
Configurable ring material options	42CrMo / 50Mn
Seal material	NBR - Nitrile rubber
Configurable spacer material options	Engineering nylon / Brass
IDENTIFICATION	
Reference brand	INA
Reference series	XU Series
Reference model	XU 080120
Bearing structure	apraz makaral
Gear arrangement	Di lisiz
DIMENSION	
Mass (Mass)	4 kg
Overall outside diameter (Da)	170 mm
Overall inside diameter (di)	69 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)	
Catalog diameter Di (Di)	120,6 mm
Catalog diameter da (da)	119,4 mm
Overall height (H)	30 mm
MOUNTING	
Outer ring bolt circle (La)	148 mm
Inner ring bolt circle (Li)	90 mm
Outer ring mounting-hole count (na)	6
Inner ring mounting-hole count (ni)	6
Common mounting-hole diameter (dB)	9 mm
Counterbore diameter (ds)	15 mm
Counterbore depth (ts)	9 mm
PERFORMANCE	
Maximum permissible radial load (Fr perm)	10,5 kN
Basic dynamic axial load rating (Ca)	56 kN
Basic static axial load rating (C0a)	53 kN
Basic dynamic radial load rating (Cr)	35,5 kN
Basic static radial load rating (C0r)	26 kN
Preload (Preload)	0,005 incl. 0,008 mm
PERFORMANCE RATINGS	
Rating Radial Static	26 kN Not simultaneous with other listed dynamic ratings

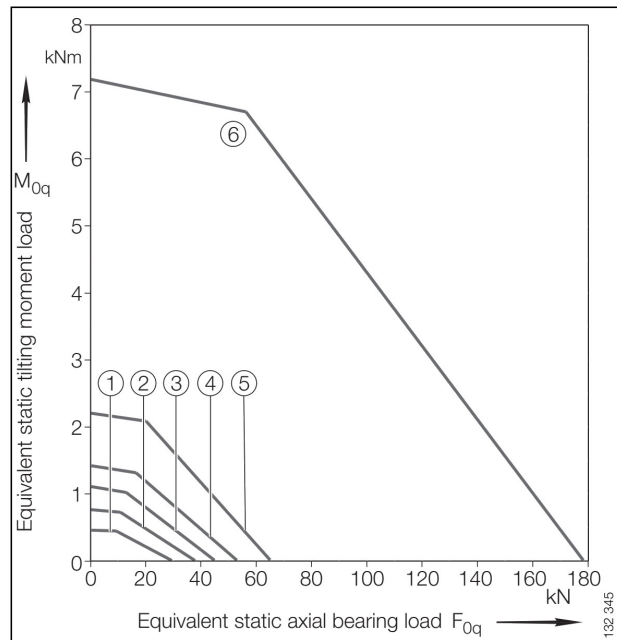
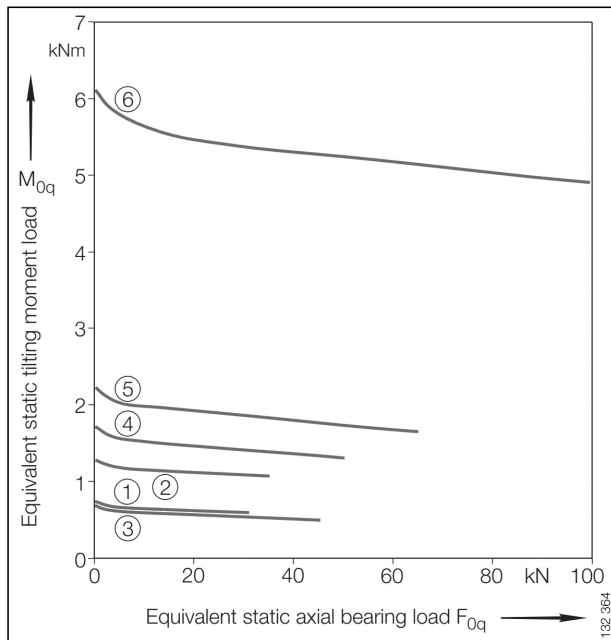
Complete Product Data

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

PERFORMANCE RATINGS (CONTINUED)	
Rating Axial Static	53 kN Not simultaneous with other listed dynamic ratings
Rating Radial Dynamic	35,5 kN Not simultaneous with other listed dynamic ratings
Rating Axial Dynamic	56 kN Not simultaneous with other listed dynamic ratings
Rating Radial Load Max	10,5 kN Not simultaneous with other listed dynamic ratings
MOUNTING INTERFACES	
Outer ring mounting	6 holes - dB 9 mm
Inner ring mounting	6 holes - dB 9 mm
GEAR INTERFACE	
Integral gear	Not applicable - ungeared bearing
SOURCE TRACEABILITY	
Source document code	INA-SLEWING-RINGS-CATALOGUE-404-2012
Source file	404_de_en_1.pdf
PDF page	92
Printed page	90
Source language	EN-DE
Original unit system	Metric
PUBLISHED TECHNICAL MEDIA	
Load Curve Chart	ina-g18-curve.webp SHA-256: eae289c075c9d297b4078ed86d4deb71798e0a73fb23bc2b7cb54a3ede555e50
Outline Drawing	ina-g18-drawing.webp SHA-256: 85ddc12e45a07ac284021e9b41b90b5f947471bad4fc440394cb1a0603ee939f

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.



ina-g18-curve.webp | SHA-256: eae289c075c9d297b4078ed86d4deb71798e0a73fb23bc2b7cb54a3ede555e50

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

Source and Verification Traceability

PUBLIC RECORD UID

E2XYTCSSXBHZZLFBD6GFUHHWD

SOURCE DOCUMENT

INA-SLEWING-RINGS-CATALOGUE-404-2012

SOURCE FILE

404_de_en_1.pdf

SOURCE LOCATION

PDF page 92 | Printed page 90

VERIFICATION

**Level 3 - MERYDOM Engineering
Verified**

REVIEWED BY

MERYDOM Engineering Department

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/tr/urunler/muadil-doner-tabla-rulmanlari/ina/xu-080120/>

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