Doc. No. S550-19036
Issue Date: 20/10/2020

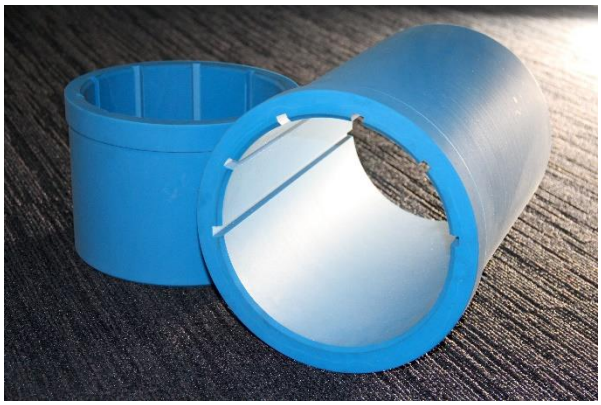
EVU

Urethane Bearing for water lubricated stern tube system

We offer rubber bearing (EVR) for water lubricated stern tube system and have rich track records.
We developed Poly-Urethane bearing “EVU” for water lubricated stern tube system based on the technology cultivated in our water lubricated bearing experience.

[Feature]

1. Low Friction
   By flattening the lower part, the water film forming ability is improved and the friction coefficient in normal use can be lower than that of rubber bearing and the like.
   (1/10 of rubber bearing in normal use)



	Urethane Bearing (EVU)	Rubber Bearing (EVR)
Static Friction Coefficient	0.3	0.3
Dynamic Friction Coefficient	0.003	0.03

2. Low Wear
   Uses Poly-Urethane material with excellent wear resistance.
   Confirmed to have wear resistance of 10 years or more in our evaluation test.

3. Reduction of single-part hit
   By using flexible Poly-Urethane material, the concentrated load in the AFT end can be avoided.

4. Bearing Length
   The bearing length can be halved from rubber bearing, since the pressure resistance is improved.

5. Quick Delivery
   Since it has a single structure of Poly-Urethane, if the material is in stock, only processing is required for production, so it is possible to respond to short delivery time.

6. Install Method
   Using the characteristics of Poly-Urethane, install to stern tube with cold fit.

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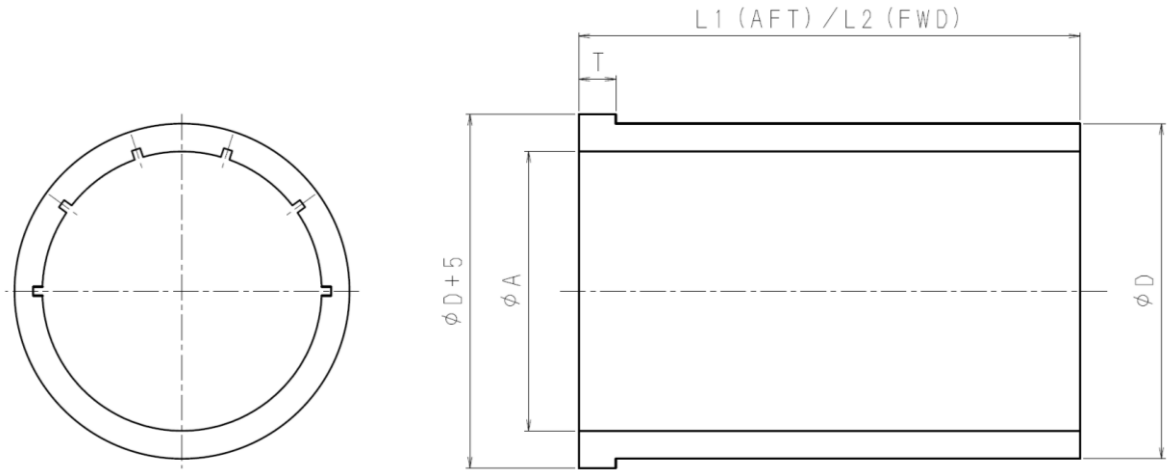
[Dimension Table]



Model Number	Sleeve Dia.	Inner Dia. of stern tube[1)]	Bearing Length (AFT)	Bearing Length (FWD)	Flange Width
	A	D	L1	L2	T
188	188	227	320	160	30
200	200	237	340	170	30
210	210	251	360	180	30
220	220	263	380	190	30
230	230	278	400	200	30
242	242	288	420	210	30
252	252	299	440	220	30
265	265	314	460	230	30
275	275	325	480	240	30
285	285	338	500	250	30

(Remarks)

1) The outer diameter of the bearing is determined by giving an interference in consideration of the operation temperature, processing temperature, etc.

2) The inner diameter of the bearing is determined in consideration of the bearing clearance, outer diameter interference, etc.