

CASSTOP

Available for Chemical Solution
Environment Ranged from pH3~pH12

CASSTOP

High corrosion resistance bearing made by newly developed higher corrosion resistance martensitic stainless steel: **TBN-6H**.

The material performs an epoch-making high corrosion resistance and high load resistance.

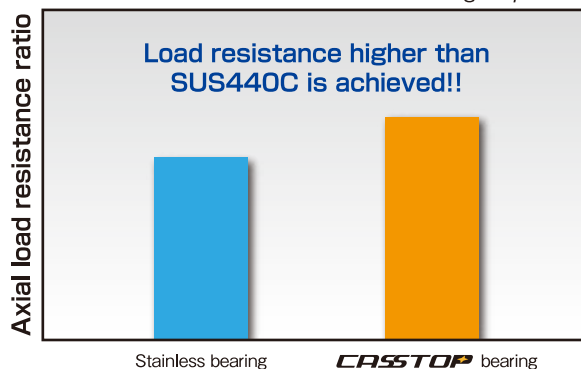


Applications

- Machinery with salt water environment (Sea crafts, various equipment at port location, fishing tools)
- Machinery used in outside
- Environment with antiseptic solution
- Fan motor for special environment
- Environment with pH3~pH12 chemical solution (Medical equipment, food processing equipment)

Load Resistance rate fo **CASSTOP**

Bearing ID: $\phi 7.0\text{mm}$





Characteristics

Much higher corrosion resistance over SUS440C is achieved by the optimum addition of four chemical elements and fine adjustment on the content of other minimal elements.

Moreover, innovative heat treatment technology gives this material a hardness of HRC59. Optimum internal design also enable this material to carry same or higher load resistance than SUS440C.

CASSTOP provides you higher stability and longer life to various machineries which are used in the environment such as salt water, rain and alkali.

Part Number	Boundary dimensions (mm)		
	Inner diameter	Outer diameter	Width
692A-H-X1ZZ	2	6	3
SMR63A2-H-X1ZZ	3	6	2.5
693A10-H-X1ZZ		8	4
623A3-H-X1ZZ		10	4
SMR74A2-H-X1ZZ	4	7	2.5
SMR84A1-H-X1ZZ		8	3
SMR104B-H-X1ZZ		10	4
694A1-H-X1ZZ		11	4
604A2-H-X1ZZ		12	4
624A5-H-X1ZZ		13	4
SMR85A12-H-X1ZZ	5	8	2.5
SMR95A5-H-X1ZZ		9	3
SMR105A2-H-X1ZZ		10	4
SMR115B-H-X1ZZ		11	4
695A12-H-X1ZZ		13	4
625A6-H-X1ZZ1		16	5
SMR106A4-H-X1ZZ	6	10	3
SMR126A4-H-X1ZZ		12	4
686A6-H-X1ZZ		13	5
696A6-H-X1ZZ		15	5
606-H-X1ZZ		17	6
626B-H-X1ZZ1		19	6
SMR117A-H-X1ZZ	7	11	3
SMR137B-H-X1ZZ		13	4
687A5-H-X1ZZ		14	5
697A2-H-X1ZZ		17	5
607B-H-X1ZZ		19	6
SMR128A5-H-X1ZZ	8	12	3.5
SMR148A2-H-X1ZZ		14	4
698-H-X1ZZ		19	6
689A3-H-X1ZZ	9	17	5

Corrosion Resistance Data for New Material: TBN-6H

Conducted at Nagano Prefecture Industrial Center

◎ Salt spray test

Condition :
Sodium chloride (Den.=50±5g/ℓ)
ph=6.5~7.2
Temp.: 35°C±2°C 10days



Anti-corrosion Bearing
CASSTOP



SUS440C



SUJ2

◎ CASS Test

Condition :
Sodium chloride (Den.=50±5g/ℓ)
Copper chloride (II)
(Den.=0.205±0.015g/ℓ)
ph=3.1~3.3
Temp.: 50°C±2°C 10days



Anti-corrosion Bearing
CASSTOP



SUS440C



SUJ2

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