

*HMUC type*

# Highly Anti-Corrosive Bearings

Newly adopted heat treatment process (HNT technology) significantly improves **corrosion resistance** compared to conventional materials (SUS440C) .



	SUJ2	SUS440C	HNT heat treated steel
<b>Salt spray test</b> JIS H 8502 (100H)			
<b>Combined cycle test</b> JIS H 8502 (100H)			
<b>Immersion test in citric acid solution</b> at 5% concentration, PH1.9 (100H)			
<b>Immersion test in sodium hypochlorite solution</b> at 0.1% concentration, PH10.2 (100H)			

**Greatly improved corrosion resistance to chemicals in the range of weak acid to alkali**

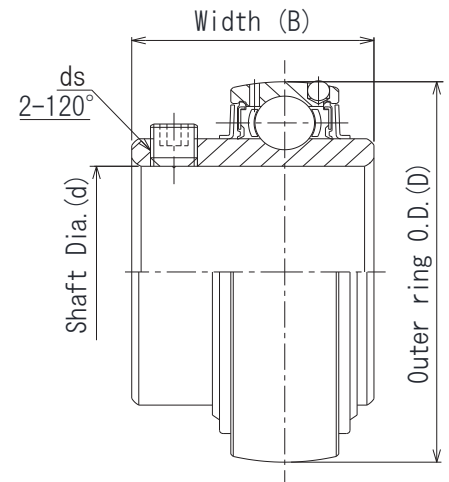
Excellent performance against commonly used bactericides and cleaning agents, and Ideal for use in food-related conveying machinery and in coastal areas.

# Highly Anti-Corrosive Bearings

# ASAHI

## ◆ Description

Part No.	Shaft Dia.(mm)		Outer ring O.D. (mm)	Width (mm)	Set-screw	Basic dynamic		Recommended tightening torque (N·m)
	d	+0.015 ~ 0				Cr	Cor	
HMUC201	φ 12	+0.015 ~ 0	Sφ 47	31	M5X0.8	10.9	5.3	2.4
HMUC202	φ 15	+0.015 ~ 0	Sφ 47	31	M5X0.8	10.9	5.3	2.4
HMUC203	φ 17	+0.015 ~ 0	Sφ 47	31	M5X0.8	10.9	5.3	2.4
HMUC204	φ 20	+0.018 ~ 0	Sφ 47	31	M5X0.8	10.9	5.3	2.4
HMUC205	φ 25	+0.018 ~ 0	Sφ 52	34.1	M5X0.8	11.9	6.3	2.4
HMUC206	φ 30	+0.018 ~ 0	Sφ 62	38.1	M5X0.8	16.7	9	2.4
HMUC207	φ 35	+0.021 ~ 0	Sφ 72	42.9	M6X0.75	22	12.3	3.9
HMUC208	φ 40	+0.021 ~ 0	Sφ 80	49.2	M6X0.75	24.9	14.3	3.9
HMUC209	φ 45	+0.021 ~ 0	Sφ 85	49.2	M6X0.75	28.1	16.4	3.9
HMUC210	φ 50	+0.021 ~ 0	Sφ 90	51.6	M8X1	30.2	18.6	8.3
HMUC211	φ 55	+0.024 ~ 0	Sφ 100	55.6	M8X1	36.6	23.5	8.3
HMUC212	φ 60	+0.024 ~ 0	Sφ 110	65.1	M10X1.25	44.6	28.9	16.2
HMUC213	φ 65	+0.024 ~ 0	Sφ 120	65.1	M10X1.25	48.9	32	16.2



Those insert bearings can be assembled in stainless steel housings (SUS304) for all sizes, and thermoplastic housings only up to HMUC208. Refer to corresponding catalogues for its housing dimensions.

## ◆ Materials

Parts	Material
Inner & outer rings	HNT heat treated steel
Ball	SUS440C
Retainer	SUS304
Rubber seal	NBR
Set-screw	SUS410
Lubricant	Food grade grease

- **Factory-lubricated with NSF H1 approved grease**  
Excellent water & heat resistance and durability.  
It can be replaced by designated grease upon request.

- **Range of operating temperature**  
-15 to 100°C  
Please consult us if the operating temperature is beyond the above range.

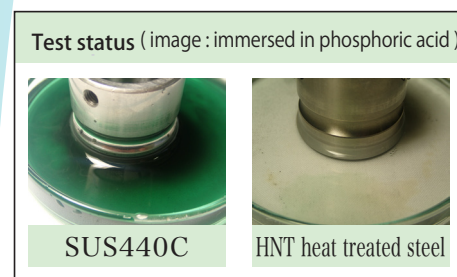
## ◆ Chemical Corrosion Resistance

Chemical	Material		
	SUJ2	SUS440C	HNT heat treated steel
Sodium hypochlorite solution	×	△	◎
Acetic acid	×	×	○
Citric acid	×	×	○
Phosphoric acid	×	×	○
Seawater	×	△	◎

◎ : Excellent ○ : Good △ : Fair × : Not recommended

※ This data is set independently based on the test results under the same conditions.

Note: Appearance, dimensions and specifications are subject to change without prior notice.



For video presentation



## ASAHI SEIKO CO., LTD.

### FOREIGN TRADE DEPARTMENT

Address : 570-1, Otori-Higashi-machi 6-cho, Nishi-ku  
Sakai City, Osaka 593-8324, Japan  
Phone : +81-72-272-6900

### HEAD OFFICE & FACTORY

Address : 570-1, Otori-Higashi-machi 6-cho, Nishi-ku  
Sakai City, Osaka 593-8324, Japan  
Phone : +81-72-271-1221  
Website : <https://www.asahiseiko.co.jp>

## AMI BEARINGS, INC.

(Subsidiary of ASAHI in the U.S.A.)

Address : 570 North Wheeling Road, Mount Prospect  
IL 60056, U.S.A.  
Phone : +1-800-882-8642  
Website : <https://www.amibearings.com>