

NEW

ASAHI

Cat. No. B-18-3E

HMUC type

Highly Anti-Corrosive Bearings

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



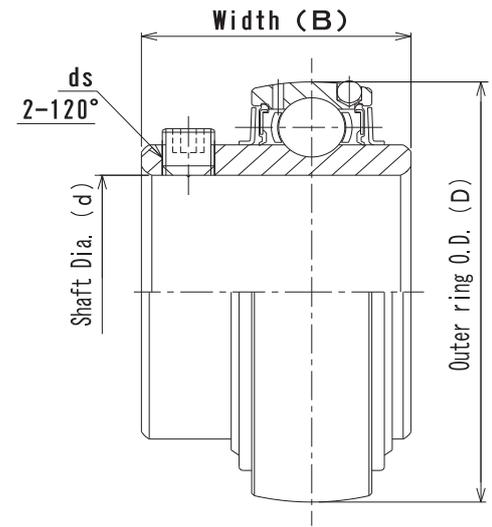
	SUJ2	SUS440C	HNT heat treated steel
Salt spray test JIS H 8502 (100H)			
Combined cycle test JIS H 8502 (100H)			
Immersion test in citric acid solution at 5% concentration, PH1.9 (100H)			
Immersion test in sodium hypochlorite solution at 0.1% concentration, PH10.2 (100H)			

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.

◆ Description

Part No.	Shaft Dia.(mm)		Outer ring O.D. (mm)	Width (mm)	Set-screw	Basic dynamic load(kN)	
	ϕ	+0.015~0				Cr	Cor
HMUC201	ϕ 12	+0.015~0	S ϕ 47	31	M5X0.8	10.9	5.3
HMUC202	ϕ 15	+0.015~0	S ϕ 47	31	M5X0.8	10.9	5.3
HMUC203	ϕ 17	+0.015~0	S ϕ 47	31	M5X0.8	10.9	5.3
HMUC204	ϕ 20	+0.018~0	S ϕ 47	31	M5X0.8	10.9	5.3
HMUC205	ϕ 25	+0.018~0	S ϕ 52	34.1	M5X0.8	11.9	6.3
HMUC206	ϕ 30	+0.018~0	S ϕ 62	38.1	M5X0.8	16.7	9
HMUC207	ϕ 35	+0.021~0	S ϕ 72	42.9	M6X0.75	22	12.3
HMUC208	ϕ 40	+0.021~0	S ϕ 80	49.2	M6X0.75	24.9	14.3
HMUC209	ϕ 45	+0.021~0	S ϕ 85	49.2	M6X0.75	28.1	16.4
HMUC210	ϕ 50	+0.021~0	S ϕ 90	51.6	M8X1	30.2	18.6



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

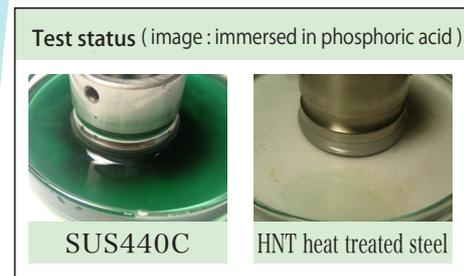
Normal to 100°C
Please consult us if the operating temperature is beyond the above range.

◆ 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.



For video presentation



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