

AQUA Proof Roller Chains

HKK 's Aqua-series Chain is the perfect choice where corrosion resistance and high strength is needed. Aqua-series chains are designed to provide maximum corrosion resistance, far superior to Zinc or Nickel plated chains, while maintaining the strength and durability of carbon steel chain. A two-step treatment process done before chain is assembled ensures all chain components are fully treated. All Aqua-series chains are standard with cold forged Solid Bushing & Rollers. Solid bushings and rollers provide dramatically longer life than conventional split bushing chains.

Feature :

Excellent corrosion resistance without plating same strength and working load values as standard roller chain with no hydrogen embitterment by surface treatment

Results of corrosion resistant tests :

Salt spray test

CHAINS	Hour for Rust developed (hours)
Special surface treated	1000 No rust
Glossy chromating	72 - 96
Coloured chromating	120 - 240
Molten zinc plating	120 - 240

Salt spray test

CHAINS	Hour for Rust developed (hours)
Nickel plated	48
Special surface treated	600 - 840
Made of SUS304 stainless steel	above 840 No rust

Applications :

Outdoor service, Sea water applications, Stacking crane, Car parking

Applicable Chains :

#40 - #240 , Attachment chain is available.

Purpose of Special surface treatment :

Linkplate for anticorrosion, Other parts for anticorrosion and to reduce friction

Caution :

For the food products industry where the chain may be exposed to direct food contact, stainless steel chain is recommended.

Applicable Chains :

Attachment chain is available. For identification, a suffix is added to the chain numbers.

ANTICORROSIVE TEST

Indoors, splashed 5% salty water morning & evening (15days after)

Maximum Corrosion Resistance & Strength in Wet Environments



Standard



NP

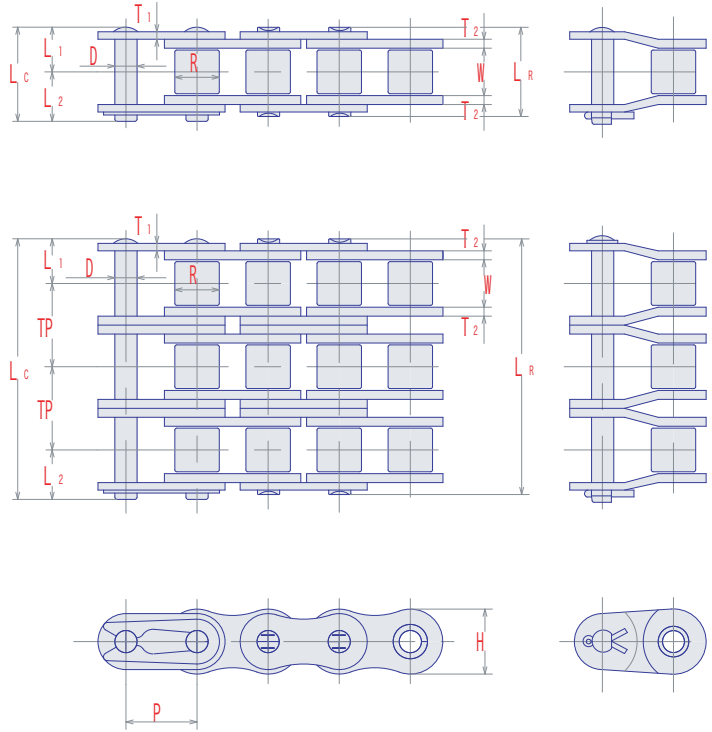
Stainless Steel

AP



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AQUA PROOF

HKK Aqua Chain No.	Dimensions - mm										Average Ultimate Strength	Maximum Allowable Load	Average Chain Weight
	Pitch	Roller		Pin			Plate			Trans. Pitch			
		Width	Dia.	Dia.	Length		Height	Thick.					
					P	W		R	D				
HKK 08B	12.70	7.75	8.51	4.45	8.4	9.6	11.8	1.5	1.5	13.92	17.8	3.14	0.61
HKK 08B-2											31.1	5.35	1.26
HKK 08B-3											44.5	7.85	1.88
HKK 10B	15.875	9.65	10.16	5.08	9.5	11.2	14.7	1.65	1.65	16.59	22.2	4.90	0.89
HKK 10B-2											44.5	8.33	1.79
HKK 10B-3											66.7	12.2	2.66
HKK 10B-2											44.5	8.33	1.79
HKK 10B-3											66.7	12.2	2.66
HKK 12B	19.05	11.68	12.07	5.72	11.0	12.6	16.1	1.8	1.8	19.46	28.9	7.06	1.14
HKK 12B-2											57.8	12.0	2.28
HKK 12B-3											86.7	17.6	3.36
HKK 16B	25.40	17.02	15.88	8.26	17.6	20.6	21.0	3.2	4.0	31.88	60.0	12.6	2.59
HKK 16B-2											106	21.4	5.13
HKK 16B-3											160	31.5	7.68
HKK 20B	31.75	19.56	19.05	10.16	20.1	23.9	26.4	3.5	4.5	36.45	95	19.6	3.76
HKK 20B-2											170	33.3	7.26
HKK 20B-3											250	49.0	10.86
HKK 24B	38.10	25.40	25.40	14.63	26.7	31.4	33.4	4.9	5.9	48.36	160	27.5	7.29
HKK 24B-2											280	46.8	14.53
HKK 24B-3											425	68.8	21.76