

Applicable for many different environments

Name	Nickel Plated Chain (N)	Hi-Guard Chain (E)	Double Guard Chain (WG)
Features	<ul style="list-style-type: none"> ① Special nickel plated finish. ② Where brilliance and cleanliness are required. ③ Strong corrosion resistance (highly resistant to salt water spray and acid atmosphere). 	<ul style="list-style-type: none"> ① High corrosion resistant film coating. ② Where long periods of seasonal inactivity create need for protection against indoor or out. ③ Outstanding resistance to rusting or corrosion, particularly in salt water environments. 	<ul style="list-style-type: none"> ① Rust protection "twice as tough" as DID Hi-Guard Chain. ② Amazing performance in acidic and alkaline atmospheres. ③ The tensile strength and working load is the same as ANSI standard chain and makes the downsizing possible where stainless steel chain is used.
Functions			
Main uses			

Environment Resistant Series: Chain No. and Codes

Chain No.	Nickel Plated	HI-Guard	Double Guard	Stainless Steel			Low Temperature
				SUS304	SUS600 Series	X-Ring	
DID 25	N	-	-	SS	-	-	-
DID 35	N	E	-	SS	-	-	-
DID 41	N	-	-	-	-	-	-
DID 40	N	E	WG	SS	SSK	SSLT	TK
DID 50	N	E	WG	SS	SSK	SSLT	TK
DID 60	N	E	WG	SS	SSK	SSLT	TK
DID 80	N	E	WG	SS	SSK	SSLT	TK
DID 100	N	E	-	SS	SSK	-	TK
DID 120	N	E	-	SS	SSK	-	TK
DID 140	N	-	-	SS	-	-	TK
DID 160	N	-	-	SS	-	-	TK
DID 180	-	-	-	-	-	-	-
DID 200	-	-	-	SS	-	-	-
DID 240	-	-	-	-	-	-	-

Stainless Steel Chain			Stainless Steel X-Ring Chain	Low Temperature	Name
(SS)	(SSK)	SN Treatment	(SSLT)	(TK)	
<ul style="list-style-type: none"> ① SUS304 ② Where chains is exposed to chemicals, water and high temperature. ③ The best resistance to corrosion and heat. 	<ul style="list-style-type: none"> ① SUS304 (plate) + SUS631 (pin/bushing/roller). ② Where chain is exposed to chemicals, water and high temperature. ③ 1.5 times higher max allowable load than SS type. 	<ul style="list-style-type: none"> ① Excellent wear resistance for stainless steel chain. ② Same corrosion resistance as SUS600. 	<ul style="list-style-type: none"> ① Up to 10 times greater wear resistance performance compared to standard stainless steel chain. ② Great cost saving can be achieved through longer life and less down time. ③ The patented X-ring design provides great sealing performance at half the friction of standard O-ring. 	<ul style="list-style-type: none"> ① Using material suitable for low temperature and specialized grease ② Suitable for circumstances where temperatures drop down to -40 °C. ③ Excellent low temperature strength 	Features
					Functions
					Main uses

Roller Chains for Power Transmission

Environment Resistant Chain Series

Symbols

Functions	Resistant against corrosive gas (by CASS test)	Resistant against rain, moisture or sea water	Resistant against alkali liquid	Resistant against acid liquid
	Suitable for circumstances required hygiene	Allowable ambient temperature	Allowable tension index (Compared to standard roller chains)	Resistant against contaminated or deteriorated oil
	No lubrication or maintenance	Resistant against dusty circumstances	Running cost and maintenance cost can be saved	
Main uses	Feed and drive in packaging machines	Feed and drive in textile machines	Feed and drive in the conveyors and transfer equipment	Feed and drive in food processing machines
	Feed and drive in chemicals facilities	Feed and drive in printing machines	Feed and drive in multilevel parking machines	Feed and drive in water treatment equipment
	Feed and drive in outdoor equipment	Feed and drive in construction machines	Feed and drive in medical facilities	※1. Consult us when you use chains for hoisting. ※2. Consult us when you use chains for these particular uses.