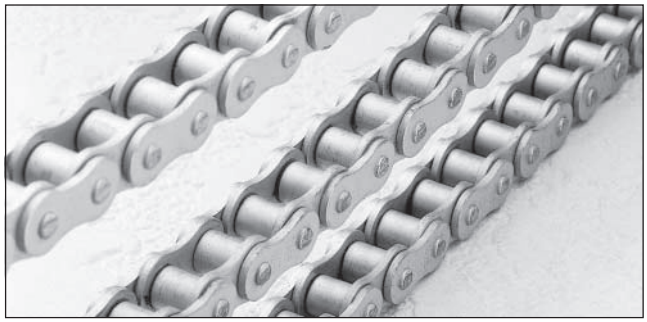
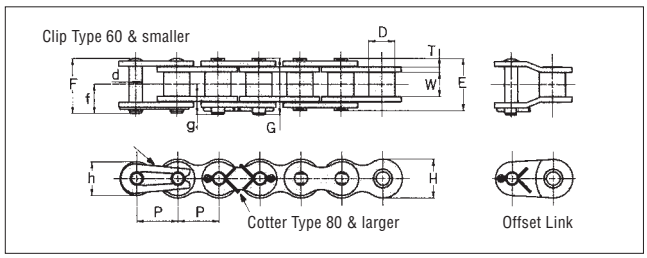
2-4-3 D.I.D Hi-Guard Chain (E)/Double Guard Chain (WE)

Hi-Guard chain is second in corrosion resistance performance, next to a stainless steel chain. A luster-less white protective film is formed on the surface of the chain by a special baking process. The Hi-Guard chain has excellent galvanic corrosion resistance and rust resistance. Since the film is heat-resistant up to 482ºF, it protects the chain even in high temperature. The Hi-Guard chain has slightly lower tensile strength than standard chain, but it is equivalent in maximum allowable load and wear resistance. Stainless steel chain is lower in strength and wear resistance. For this reason, when sufficient corrosion resistance is required without sacrificing strength, Hi-Guard chain is recommended. Since the Hi-Guard film works as a sacrificial anode for the base chain, sufficient corrosion resistance can be expected even if the film peels.

Double Guard Chain (WE) has DID's unique two different coatings applied before assembly on the ANSI standard chain. It achieves approximately two times higher anti-corrosion performance than a Hi-Guard Chain in a salt water spray test. This chain also withstands light alkali and an acidic atmosphere and the best alternative of Stainless Steel Chain. The strength is the same as Hi-Guard Chain.





Dimensions

Unit (inch)

Chain No. DID	Pitch P	Roller Link Width W	Roller Dia. D	Pin d	Pin E	Pin F	Pin G	Pin f	Pin g	Plate T	Plate H	Plate h	DID Avg. Tensile Strength lbs	DID Max. Allowable Load lbs	Approx. Weight (lbs/FT)
RC25-E	0.250	0.125	0.130	0.091	0.307	0.335	0.000	0.185	0.000	0.028	0.232	0.205	924	165	0.087
RC35-E	0.375	0.188	0.200	0.141	0.472	0.516	0.000	0.287	0.000	0.049	0.354	0.305	2310	484	0.215
RC40-E/WE	0.500	0.313	0.312	0.156	0.650	0.693	0.000	0.374	0.000	0.059	0.472	0.409	3740	836	0.422
RC50-E/WE	0.625	0.375	0.400	0.200	0.799	0.862	0.000	0.457	0.000	0.079	0.591	0.512	6380	1540	0.711
RC60-E/WE	0.750	0.500	0.469	0.235	1.000	1.059	0.000	0.563	0.000	0.094	0.713	0.614	9020	2090	0.966
RC80-E/WE	1.000	0.625	0.625	0.313	1.283	0.000	1.394	0.000	0.748	0.126	0.945	0.819	16830	3300	1.710
RC100-E/WE	1.250	0.750	0.750	0.376	1.555	0.000	1.673	0.000	0.894	0.157	1.177	1.024	25300	5060	2.541
RC120-E/WE	1.500	1.000	0.875	0.437	1.957	0.000	2.087	0.000	1.110	0.189	1.413	1.228	35420	6820	3.681

Note: 1. Those marked with * indicate bush chains.
2. Please consult us when multiplex chain is desired

2-4-4 D.I.D Low Temperature Chain (TK)

Standard roller chain is likely to become brittle at low temperature and must be used at higher than 14°F. TK chain is unlikely to suffer from low temperature brittleness. TK chain can be used down to -40°F by setting the maximum allowable load as listed below.

The lubricating oil applied on the chain is a special low temperature oil.

Max. Allowable Load of TK Chain

Chain No. DID	Max. Allowable Load 80°~ -10°C (176°F ~ 14°F)		Max. Allowable Load -11°C ~ -30°C (12º F~ -22º F)		Max. Allowable Load -31°C ~ -40°C (-24º F~ -40º F)		
RC40R-TK	3.72	836	2.54	572	2.15	484	Dimensions are same as those of standard roller chain (Please refer to P.14)
RC50R-TK	6.86	1540	4.80	1078	3.92	880	
RC60R-TK	9.31	2090	6.47	1452	5.39	1210	
RC80R-TK	14.70	3300	10.29	2310	8.53	1914	
RC100R-TK	22.55	5060	15.78	3542	13.04	2926	
RC120R-TK	30.40	6820	21.28	4774	17.55	3938	
RC140R-TK	40.20	9020	28.14	6314	23.24	5214	
RC160R-TK	52.95	11880	37.06	8316	30.69	6886	