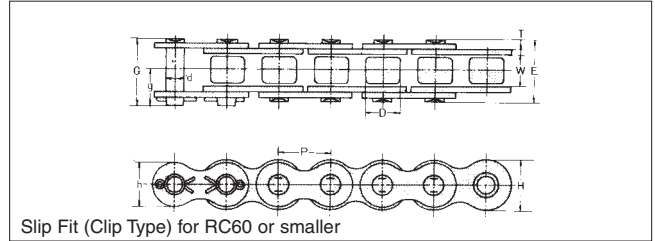
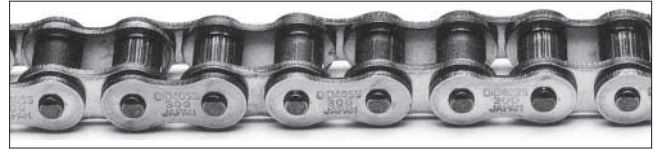


2-4-5 DID[®] Stainless Steel Chain (SS, SSK, SSLT)

DID Stainless Steel chain is available either as an SS chain with all of the components made of austenitic steel (SUS304, 18-8 stainless steel) or an SSK chain with pins, bushings and rollers made of quench-hardened stainless steel (SUS631) and with plates made of austenitic stainless steel (SUS304). An SS chain is the highest in corrosion resistance and heat resistance, and can be used in all chemical plants, food processing machines, water treatment machines, etc. However, since it is made of austenitic stainless steel, its tensile strength is less than 70 percent that of a standard roller chain. Furthermore, the maximum allowable tension is as low as 10 percent of standard roller chain. Therefore, these factors must be carefully examined when you select SS chain.

SSK chain is 1.5 times higher than SS chain in maximum allowable load. This is accomplished by improving the strengths of pins, bushings and rollers. Both SS & SSK are comparable in corrosion resistance.

Stainless Steel X-Ring chain (SSLT) with chemical resistant X-Ring and FDA/USDA approved lubricant is also available for up to 10 times longer wear life. See P. 48 for dimensions (Available in 40, 50, 60 and 80).



TRANSMISSION
ROLLER CHAIN

ENVIRONMENT
RESISTANT
CHAIN SERIES

Strength of SS Type

Chain No. DID	Max. Allowable Load	
	KN	lbs
RC25SSR	0.12	29
RC35SSR	0.26	59
RC40SSR	0.44	99
RC50SSR	0.69	154
RC60SSR	1.03	231
RC80SSR	1.77	396
RC100SSR	2.55	572
RC120SSR	3.82	858
RC140SSR	4.6	1034
RC160SSR	6.37	1430
RC200SSR	10.78	2420

Strength of SSK Type

Chain No. DID	Max. Allowable Load	
	KN	lbs
RC40SR	0.69	154
RC50SR	1.03	231
RC60SR	1.57	352
RC80SR	2.65	594
RC100SR	3.82	858

Dimensions

Unit (inch)

Chain No. DID	Pitch P	Roller Link Width W	Roller (Bush) Dia. D	Pin					Plate				Approx. Weight (lbs/FT)
				d	E	F	G	f	g	T	H	h	
RC25SSR	0.250	0.122	0.130	0.091	0.299	0.335	0.000	0.185	0.000	0.030	0.236	0.205	0.087
RC35SSR, 35SR	0.375	0.184	0.200	0.141	0.465	0.508	0.000	0.276	0.000	0.050	0.354	0.307	0.228
RC40SSR, 40SR	0.500	0.309	0.313	0.156	0.642	0.689	0.000	0.368	0.000	0.059	0.472	0.409	0.429
RC50SSR, 50SR	0.625	0.370	0.400	0.200	0.807	0.850	0.000	0.447	0.000	0.079	0.591	0.512	0.711
RC60SSR, 60SR	0.750	0.495	0.469	0.234	1.018	1.063	0.000	0.555	0.000	0.094	0.713	0.614	1.046
RC80SSR, 80SR	1.000	0.620	0.625	0.312	1.280	0.000	1.366	0.000	0.726	0.126	0.949	0.819	1.757
RC100SSR, 100SR	1.250	0.744	0.750	0.375	1.587	0.000	1.667	0.000	0.874	0.157	1.185	1.024	2.769
RC120SSR	1.500	1.000	0.875	0.435	2.071	0.000	2.185	0.000	1.146	0.197	1.413	1.228	4.111
RC140SSR	1.750	1.000	1.000	0.498	2.272	0.000	2.437	0.000	1.295	0.236	1.650	1.429	5.304
RC160SSR	2.000	1.250	1.125	0.560	2.531	0.000	2.697	0.000	1.417	0.236	1.882	1.630	7.282
RC200SSR	2.500	1.500	1.562	0.776	3.122	0.000	3.398	0.000	1.827	0.315	2.362	2.047	11.091

Note: Those marked with * indicate bush chain.