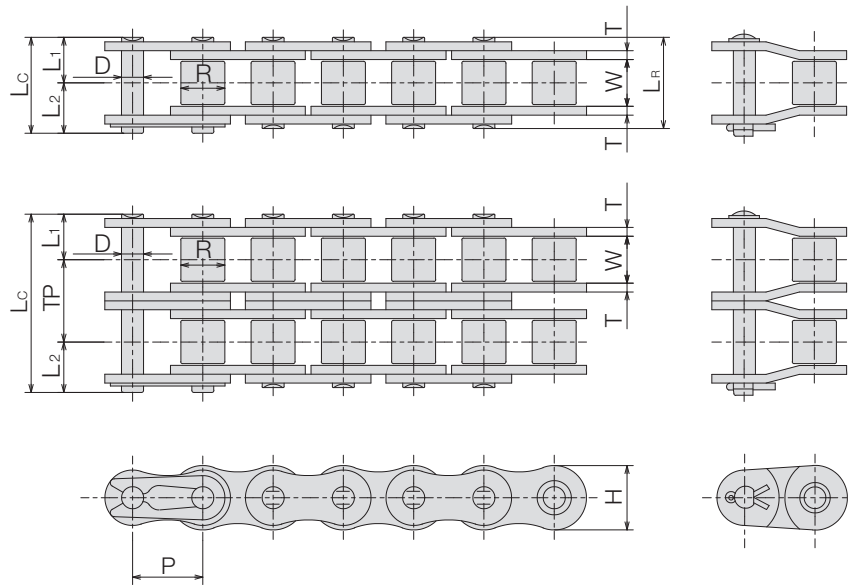


Stainless Steel Roller Chain

ANSI | Single Pitch | Anti Corrosion | SS

“SS” type roller chains are used in highly corrosive or extreme temperature environments. All component parts of SUGIYAMA stainless steel roller chains are made of 304 stainless steel to achieve the utmost corrosion and temperature resistance. 316 and 600 stainless steel roller chains are also available upon request.



BS Single Pitch

ANSI Single Pitch

ANSI Double Pitch

ENGL. 81X

Technical Information

SY Chain No.	Dimension - mm											Maximum Allowable Load κN	Average Chain Weight kg/m
	Pitch P	Roller		Pin				Plate		Trans. Pitch TP			
		Width W	Dia. R	Dia. D	Length		Height H	Thickness T					
					L _R	L _C	L ₁	L ₂					
SY 35-1 SS	9.525	4.78	※5.08	3.58	12.0	12.9	6.0	6.9	9.0	1.25	-	0.26	0.34
SY 35-2 SS					22.1	23.0	11.1	11.9			10.1	0.52	0.63
SY 40-1 SS	12.70	7.95	7.92	3.96	16.9	17.7	8.3	9.4	11.7	1.5	-	0.44	0.60
SY 40-2 SS					30.8	32.2	15.4	16.8			14.4	0.88	1.22
SY 50-1 SS	15.875	9.53	10.16	5.08	20.5	22.0	10.2	11.8	14.6	2.0	-	0.68	0.98
SY 50-2 SS					38.4	40.0	19.2	20.8			18.1	1.36	2.00
SY 60-1 SS	19.05	12.70	11.91	5.95	25.7	26.9	12.8	14.1	17.5	2.4	-	1.03	1.46
SY 60-2 SS					48.2	49.7	24.0	25.7			22.8	2.06	2.95
SY 80-1 SS	25.40	15.88	15.88	7.93	33.0	35.5	16.4	19.1	23.4	3.2	-	1.77	2.52
SY 80-2 SS					61.6	64.5	30.8	33.7			29.3	3.54	5.10
SY 100-1 SS	31.75	19.05	19.05	9.53	39.6	43.0	19.7	23.3	29.3	4.0	-	2.55	3.91
SY 100-2 SS					75.1	78.8	37.6	41.2			35.8	5.10	7.74
SY 120-1 SS	38.10	25.40	22.23	11.10	49.7	53.4	24.8	28.6	35.1	4.8	-	3.92	5.76
SY 120-2 SS					94.9	98.8	47.5	51.3			45.4	7.84	11.49
SY 140-1 SS	44.45	25.40	25.40	12.70	54.0	58.3	27.0	31.3	40.9	5.6	-	4.66	7.41
SY 140-2 SS					102.9	107.2	51.5	55.7			48.9	9.32	14.63
SY 160-1 SS	50.80	31.75	28.58	14.28	64.3	68.7	32.2	36.5	46.7	6.4	-	6.37	9.79
SY 160-2 SS					122.8	127.2	61.4	65.8			58.5	12.74	19.45

※Chain is rollerless. Dimension shown is bushing diameter.

Connecting links are “cotter” style for all sizes above 100 SS. Stainless steel chains are not lubricated prior to delivery. It is recommended to lubricate stainless steel chains before use except when the chain is exposed to water. Stainless steel chains may suffer articulation problems in early stages if they are used without lubrication. Takes account of a 35% reduction of fatigue strength when a single pitch offset link is used.