

# Nickel Plated Roller Chain

ANSI | Single Pitch | Anti Corrosion | NP

“NP” type roller chains are ideal for outdoor operations and in situations where machinery and equipment must be run in a lightly corrosive atmosphere or where good chain appearance may be desired. All components are plated before assembly to ensure complete protection of all parts. “NP” type roller chain is not lubricated prior to delivery unless otherwise specified. Please consult SUGIYAMA if lubrication is necessary before delivery.

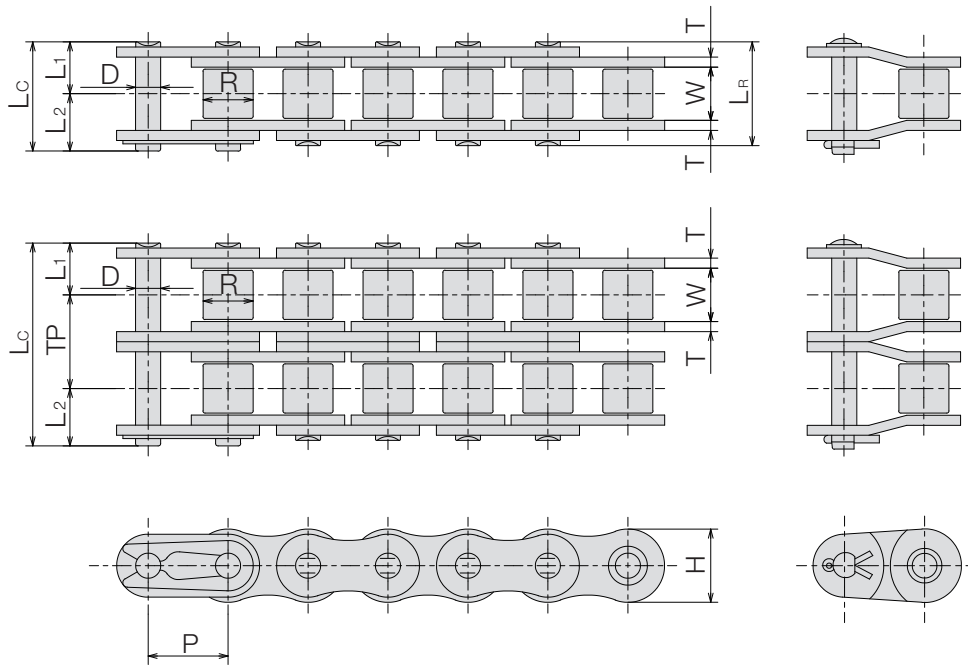
BS Single Pitch

ANSI Single Pitch

ANSI Double Pitch

ENGL. 81X

Technical Information



SY Chain No.	Dimension - mm											Average Tensile Strength κN	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						
					LR	Lc	L1	L2				κN	κN	kg/m
SY 35-1 NP	9.525	4.78	5.08	3.58	12.0	12.9	6.0	6.9	9.0	1.25	-	10.80	1.86	0.34
SY 35-2 NP					22.1	23.0	11.1	11.9			10.1	21.60	3.16	1.63
SY 40-1 NP	12.70	7.95	7.92	3.96	16.6	17.7	8.3	9.4	11.7	1.5	-	19.10	3.04	0.60
SY 40-2 NP					30.8	32.2	15.4	16.8			14.4	38.20	5.17	1.22
SY 50-1 NP	15.875	9.53	10.16	5.08	20.5	22.0	10.2	11.8	14.6	2.0	-	31.90	5.39	0.98
SY 50-2 NP					38.4	40.0	19.2	20.8			18.1	63.80	9.06	2.00
SY 60-1 NP	19.05	12.70	11.91	5.95	25.7	26.9	12.8	14.1	17.5	2.4	-	43.10	7.26	1.46
SY 60-2 NP					48.2	49.7	24.0	25.7			22.8	86.20	12.30	2.95
SY 80-1 NP	25.40	15.88	15.88	7.93	33.0	35.5	16.4	19.1	23.4	3.2	-	78.50	12.70	2.52
SY 80-2 NP					61.6	64.5	30.8	33.7			29.3	157.00	21.60	5.10
SY 100-1 NP	31.75	19.05	19.05	9.53	39.6	43.0	19.7	23.3	29.3	4.0	-	118.00	19.10	3.91
SY 100-2 NP					75.1	78.8	37.6	41.2			35.8	236.00	32.50	7.74

Connecting links are “cotter” style for all sizes above 100 NP. Takes account of a 35% reduction of fatigue strength when a single pitch offset link is used. Do not use nickel plated chains in environments where coating flakes and wear dust can present problems.