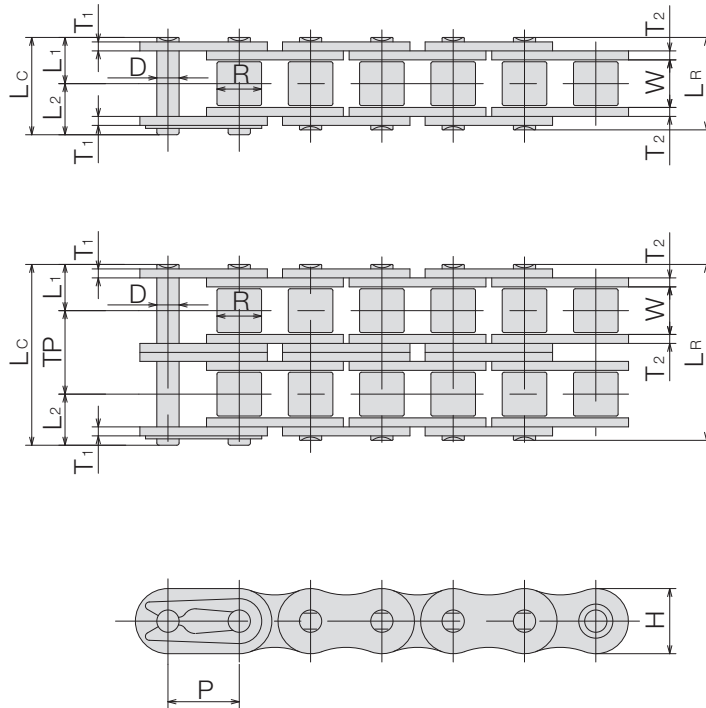


Nickel Plated Roller Chain

BS | 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	Maximum Allowable Load	Average Chain Weight
	Pitch P	Roller		Pin				Plate		Trans. Pitch					
		Width W	Dia. R	Dia. D	Length		Height	Thickness							
				LR	LC	L1	L2	H	T1	T2	TP	kN	kN	kg/m	
SY 08B-1 NP	12.70	7.75	8.51	4.45	16.7	18.2	8.4	9.8	11.8	1.5	13.92	19.60	3.14	0.61	
SY 08B-2 NP					30.6	31.9	15.3	16.6				34.60	5.35	1.26	
SY 10B-1 NP	15.875	9.65	10.16	5.08	19.4	20.7	9.7	11.0	14.7	1.65	16.59	24.60	4.90	0.89	
SY 10B-2 NP					36.0	37.3	18.0	19.3				49.40	8.33	1.79	
SY 12B-1 NP	19.05	11.68	12.07	5.72	22.0	23.6	11.0	12.6	16.1	1.8	19.46	32.20	7.06	1.14	
SY 12B-1 NP					41.6	43.2	20.8	22.4				64.40	12.00	2.28	
SY 16B-1 NP	25.40	17.02	15.88	8.26	35.2	38.2	17.6	20.6	20.6	3.2	4.0	31.88	66.60	12.60	2.59
SY 16B-2 NP					67.2	70.1	33.6	36.5					117.80	21.40	5.13
SY 20B-1 NP	31.75	19.56	19.05	10.16	40.2	44.0	20.1	23.9	26.4	3.5	4.5	36.45	105.00	19.60	3.76
SY 20B-2 NP					76.8	80.6	38.4	42.2					188.90	33.30	7.26

The thickness of the intermediate plate of the multiple strand 08B NP chain is 1.25mm. Connecting links are “cotter” style for size 20B 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.