



NSL-Roller Chain

ROLLER TYPE SELF-LUBE CHAIN

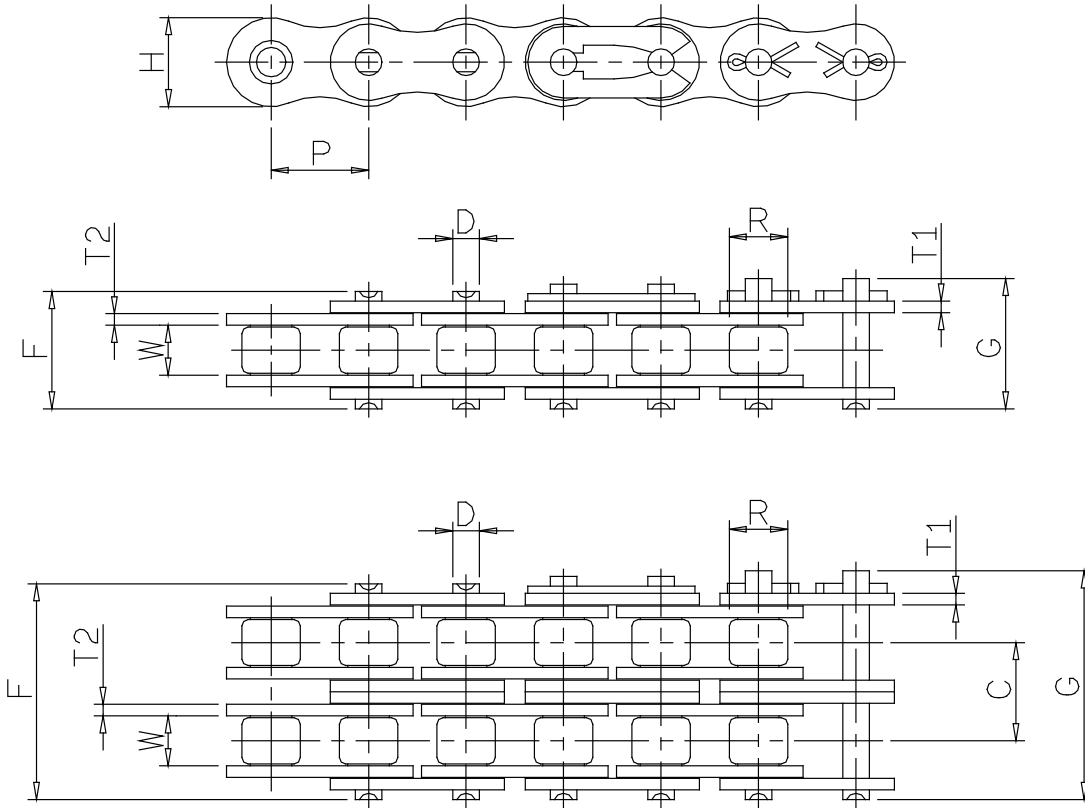


2019



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CHAIN No.	Pitch		Width	Roller	Plate			Pin			Transverse	Ultimate Strength kgf(ave.)	Approx Weight kg/m	Max Recommended Operating Speed m/min
	P		w	Dia	Height	Thickness	Dia	Length		Pitch				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)	C			
40NSL	1/2"	12.70	7.85	7.92	11.81	1.50	1.50	3.96	17.8	21.7	—	1850	0.62	150
40NSL-2	1/2"	12.70	7.85	7.92	11.81	1.50	1.50	3.96	32.3	36.2	14.40	3700	1.22	150
50NSL	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	21.8	25.9	—	3100	1.02	135
50NSL-2	5/8"	15.875	9.40	10.16	15.09	2.00	2.00	5.09	39.9	44.0	18.10	6200	2.02	135
60NSL	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	26.9	31.5	—	4300	1.47	120
60NSL-2	3/4"	19.05	12.57	11.91	18.10	2.40	2.40	5.96	49.8	54.4	22.80	8600	2.91	120
80NSL	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	33.5	38.9	—	7700	2.60	90
80NSL-2	1"	25.40	15.75	15.88	24.13	3.20	3.20	7.94	62.7	68.1	29.30	15400	5.15	90
100NSL	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	41.1	47.2	—	11500	3.98	80
100NSL-2	1-1/4"	31.75	18.90	19.05	30.17	4.00	4.00	9.54	77.0	83.1	35.80	23000	7.87	80
120NSL	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	50.8	57.4	—	15000	5.71	50
120NSL-2	1-1/2"	38.10	25.22	22.23	36.20	4.80	4.80	11.11	96.3	102.9	45.40	30000	11.31	50

1. Two versions of NSL Roller Chain (Suffix) :

A. FG (standard) : utilizes NSF H1 approved oil impregnated bush, temperature range -10°C~145°C.

B. FGH (optional) : utilizes NSF H1 approved oil impregnated bush, temperature range -20°C~220°C.

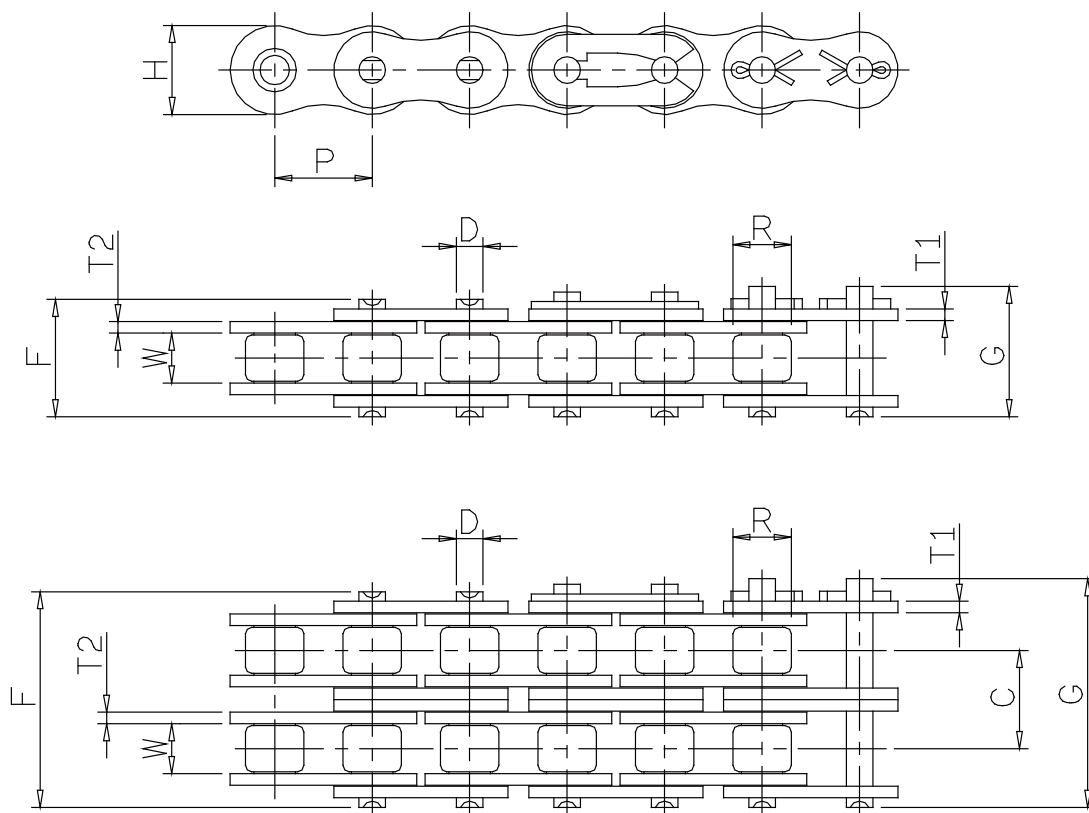
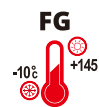
2. NSL Roller Chain utilizes nickel plating pins & black oxide plates. Other optional corrosion resistant available at request.

3. Supply cotter type conn link at 80, 100 & 120; spring clip type conn link for other sizes.



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	P		w	Dia	Height	Thickness	Dia	Length		Pitch				
	inch	mm	(min)	R(max)	H(max)	T1	T2	D(max)	F(max)	G(max)	C			
08BNSL	1/2"	12.70	7.75	8.51	11.81	1.50	1.65	4.45	17.0	20.9	—	1900	0.69	150
08BNSL-2	1/2"	12.70	7.75	8.51	11.81	1.50	1.65	4.45	31.0	34.9	13.92	3400	1.34	150
10BNSL	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	19.6	23.7	—	2600	0.91	135
10BNSL-2	0.625"	15.875	9.65	10.16	14.73	1.65	1.65	5.08	36.2	40.3	16.59	5200	1.79	135
12BNSL	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	—	3200	1.24	120
12BNSL-2	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	42.2	46.8	19.46	6400	2.45	120
16BNSL	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	36.1	41.5	—	7400	2.73	90
16BNSL-2	1"	25.40	17.02	15.88	21.08	3.20	4.00	8.28	68.0	73.4	31.88	14800	5.40	90

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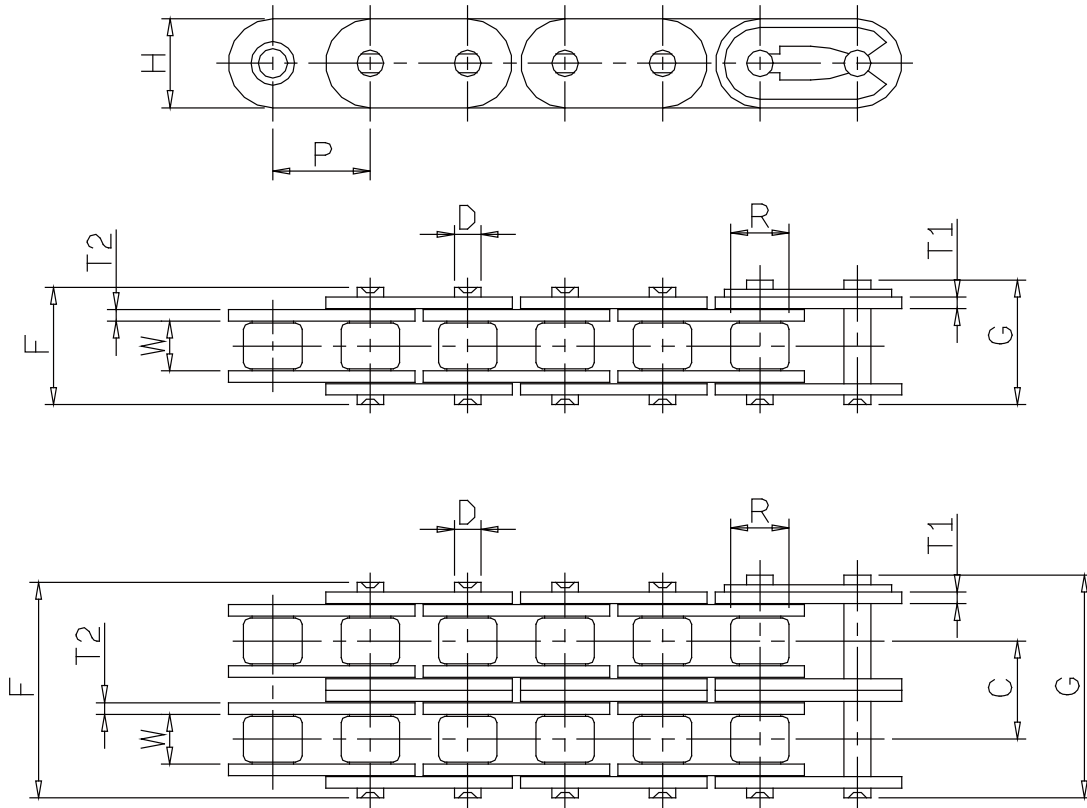
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3. Spring clip type conn link is available to offer.



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12BFNSL	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	22.7	27.3	—	3200	1.30	120
12BFNSL-2	0.75"	19.05	11.68	12.07	16.13	1.80	1.80	5.72	42.2	46.8	19.46	6400	2.57	120

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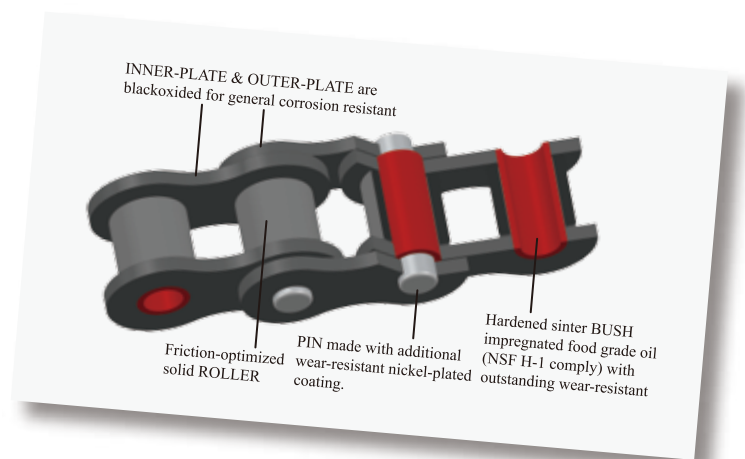
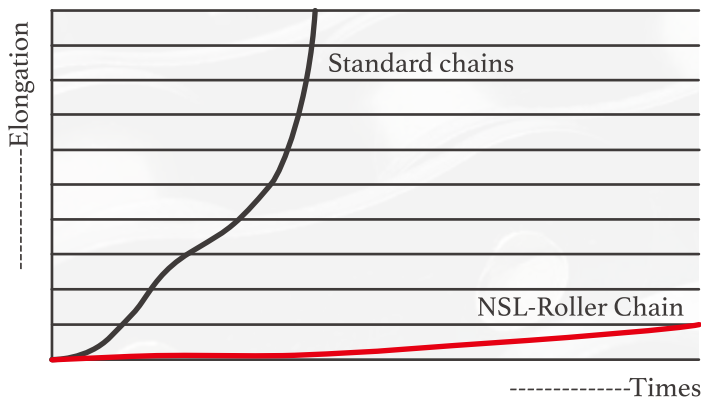
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NSL-Roller Chain is designed for use where oil based wet lubrication is difficult. The chain bushes are manufactured from a sintered alloy with lubricating oil impregnation at manufacture. This extends chain life and reduces maintenance costs.

Recommended applications - Where lubrication is difficult and/or chain elongation is unusually high. NSL chain saves time & money - Less time spent on applying lubricants and less money being spent on lubricants.

Applicable industries : Electronics, Clean areas, Paper processing, Print & Packaging, Food conveying, Automatic warehouse system....etc.





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AVAILABLE COMPONENTS

CHAIN NO.	SC CL	CP CL	O/L	A1	SA1	WA2	WSA2	D1	D3
40NSL	O	X	X	Pin Link	Pin Link	Pin Link	Pin Link	O	O
50NSL	O	X	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
60NSL	O	X	X	Pin Link	Pin Link	Pin Link	Pin Link	O	O
80NSL	O	O	X	Pin Link	Pin Link	Pin Link	Pin Link	O	O
100NSL	X	O	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
120NSL	X	O	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
08BNSL	O	X	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
10BNSL	O	X	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
12BNSL	O	X	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
16BNSL	O	X	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O
12BFNSL	O	X	O	Pin Link	Pin Link	Pin Link	Pin Link	O	O

NOTES FOR SELECTION OF CHAIN :

🔗 UNDER LIGHT OR MEDIUM LOAD.

🔗 MAXIMUM RECOMMENDED OPERATING SPEED :

- 40/08B : 150M/min
- 50/10B : 135M/min
- 60/12B : 120M/min
- 80/16B : 90M/min
- 100 : 80M/min
- 120 : 50M/min

🔗 SPROCKET : Standard Sprocket

🔗 COMPATIBILITY WITH OLD CHAIN MODEL :

- When replacing old chain model, always replace the entire chain.
- New chain cannot be connected to an old chain model, nor connecting parts.



Cautions regarding use

- Dust and wet environment might accelerate wear.
- Impregnated oil may splash depending on usage conditions.
- Be aware that non-NSF H1 lube may be present on the chain during the manufacturing process.
- It's not suggested if the chain will be used to contact directly with food.

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