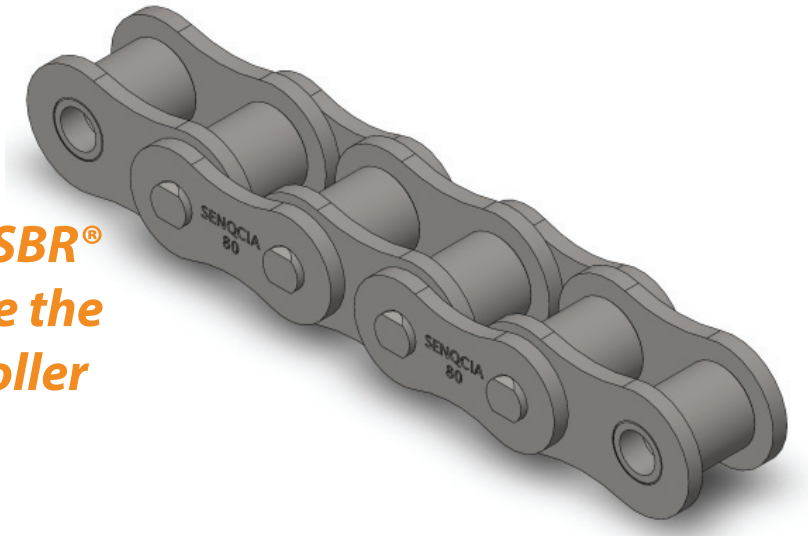
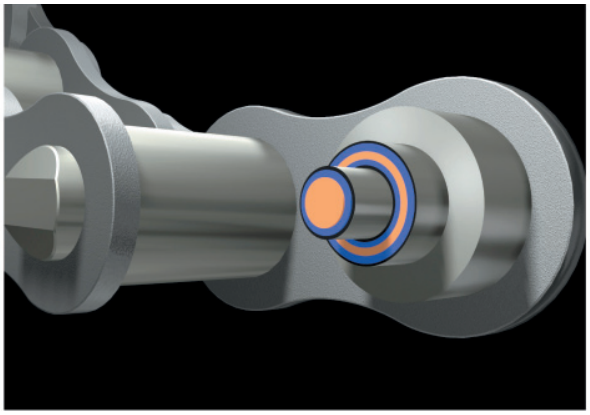
SENQCIA
Chains & Building Solutions

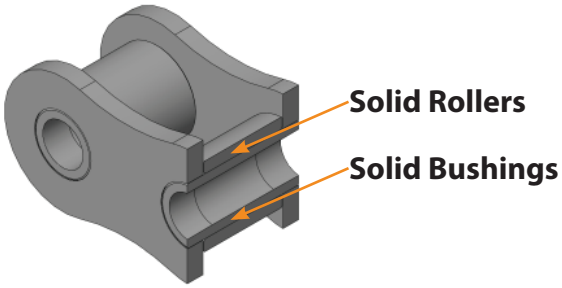
Inspire Series® SBR® Premium Roller Chains



SENQCIA Inspire Series® SBR® precision roller chains are the highest rated standard roller chains in the world.

Patented Mechanical Pin Treatment
This unique process develops a "Triple Zone" hardness on the pin to improve wear resistance and increases fatigue strength substantially from a deep compressive stress zone.





Features Summary:

- Solid bushings and rollers.
- Higher rated working loads.
- Improved wear and abrasion resistance.
- New boron steel pins for most sizes that increase strength and improve ductility.
- Proprietary stainless steel blast for link plates and rollers to protect against rust.
- Unique "Triple Zone" hardness on chain pins.
- Wide Waist Link Plates.
- Redesigned high strength connecting link with flat style closing plates.
- Superior special blend pre-lubricant.

New!

Boron Steel Pins - Increased Strength and Improved Toughness. When combined with our unique processing steps we have achieved the best combination of strength and wear performance available from anyone.

The Ultra-hard shell on the chain pins from our patented mechanical treatment combine with the standard carburized zone to resist wear and abrasion better than before. In addition the new boron steel material is stronger and tougher than before. The result is the best roller chain product we have ever offered!

General Information

General Dimensions ASME/ANSI Standard Roller Chains

SENQCIA Chain Number	ISO Chain Number	Page Number	Units	Chain Pitch	Roller Diameter	Inside Width	Pin Diameter	Roller Link Plate Thickness	Pin Link Plate Thickness	Number of Links in 10ft	Number of Links in 5m
25*	04C-1	12	inch	0.250	0.130	0.125	0.091	0.030	0.030	480	788
			mm	6.35	3.30	3.18	2.31	0.76	0.76		
35*	06C-1	14	inch	0.375	0.200	0.188	0.141	0.050	0.050	320	526
			mm	9.53	5.08	4.78	3.58	1.25	1.25		
41	085-1	16	inch	0.500	0.306	0.250	0.141	0.050	0.050	240	394
			mm	12.70	7.77	6.35	3.58	1.25	1.25		
40	08A-1	18	inch	0.500	0.312	0.313	0.156	0.060	0.060	240	394
			mm	12.70	7.92	7.95	3.96	1.50	1.5		
50	10A-1	20	inch	0.625	0.400	0.375	0.200	0.080	0.080	192	316
			mm	15.875	10.16	9.53	5.08	2.00	2.0		
60	12A-1	22	inch	0.750	0.469	0.500	0.234	0.094	0.094	160	262
			mm	19.05	11.91	12.70	5.95	2.40	2.4		
80	16A-1	24	inch	1.000	0.625	0.625	0.312	0.126	0.125	120	198
			mm	25.40	15.88	15.88	7.93	3.20	3.2		
100	20A-1	26	inch	1.250	0.750	0.750	0.375	0.157	0.157	96	158
			mm	31.75	19.05	19.05	9.53	4.00	4.0		
120	24A-1	28	inch	1.500	0.875	1.000	0.437	0.188	0.188	80	132
			mm	38.10	22.23	25.40	11.10	4.80	4.8		
140	28A-1	30	inch	1.750	1.000	1.000	0.500	0.220	0.220	70	116
			mm	44.45	25.40	25.40	12.70	5.60	5.6		
160	32A-1	32	inch	2.000	1.125	1.250	0.562	0.250	0.250	60	98
			mm	50.80	28.58	31.75	14.28	6.40	6.4		
180	36A-1	34	inch	2.250	1.406	1.406	0.687	0.283	0.283	54	90
			mm	57.15	35.70	35.70	17.45	7.20	7.2		
200	40A-1	36	inch	2.500	1.562	1.500	0.781	0.315	0.315	48	80
			mm	63.50	39.67	38.10	19.83	8.00	8.0		
240	48A-1	38	inch	3.000	1.875	1.875	0.936	0.374	0.374	40	66
			mm	76.20	47.63	47.63	23.78	9.50	9.5		

* Rollerless Chains

How to order standard packaged roller chains:

1. Specify SENQCIA or ISO chain number.

2. Specify Type - Riveted or Cottered - Note cottered chains are generally available from 0.750" (19.05mm) pitch and greater.

3. Length - Standard packaging is typically a 10ft box. 5 meter boxes are also available in some regions of the world. Reel stock such as 30ft, 50ft, 100ft, 200ft and 500ft are also available depending on chain size and weight. Contact SENQCIA MAXCO, Ltd. sales personnel for more information.

General Information

General Dimensions ISO 606B British Standard Roller Chains

SENQCIA Chain Number	ISO Chain Number	Page Number	Units	Chain Pitch	Roller Diameter	Inside Width	Pin Diameter	Roller Link Plate Thickness	Pin Link Plate Thickness	Number of Links in 10ft	Number of Links in 5m
06B	06B-1	40	inch	0.375	0.250	0.225	0.130	0.050	0.040	320	526
			mm	9.53	6.35	5.72	3.28	1.25	1.00		
08B	08B-1	41	inch	0.500	0.335	0.305	0.175	0.060	0.060	240	394
			mm	12.70	8.51	7.75	4.45	1.5	1.5		
10B	10B-1	42	inch	0.625	0.400	0.380	0.200	0.065	0.065	192	316
			mm	15.875	10.16	9.65	5.08	1.65	1.65		
12B	12B-1	43	inch	0.750	0.475	0.460	0.225	0.070	0.070	160	262
			mm	19.05	12.07	11.68	5.72	1.8	1.8		
16B	16B-1	44	inch	1.000	0.625	0.670	0.325	0.157	0.126	120	198
			mm	25.40	15.88	17.02	8.26	4.0	3.2		
20B	20B-1	45	inch	1.250	0.750	0.770	0.400	0.177	0.138	96	158
			mm	31.75	19.05	19.56	10.16	4.5	3.5		
24B	24B-1	46	inch	1.500	1.000	1.000	0.576	0.232	0.193	80	132
			mm	38.10	25.4	25.4	14.63	5.9	4.9		
28B	28B-1	47	inch	1.750	1.100	1.220	0.625	0.291	0.248	70	116
			mm	44.45	27.94	31.00	15.88	7.4	6.3		
32B	32B-1	48	inch	2.000	1.150	1.220	0.700	0.272	0.248	60	98
			mm	50.80	29.21	31.00	17.81	6.9	6.3		

Chain Construction and Parts

Riveted Chain

Cottered Chain

Multiple Strand Chain

Connecting Link

Offset Link

2 Pitch Offset Link

Roller Link

Riveted Chain: Pins have dual staked rivets on both sides.

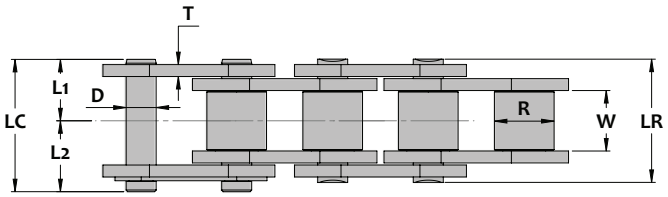
Cottered Chains: Pins have dual staked rivets on one side and cotters on the other. Cottered chains are slightly easier to assemble and/or disassemble in the field and are more common on large pitch sizes.

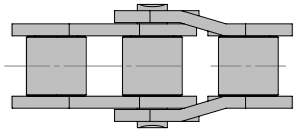
Connecting Links: Used to connect the ends of the chain strand together.

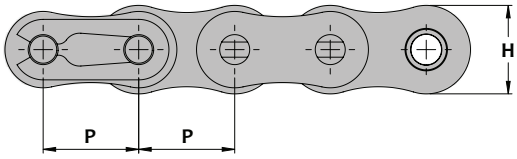
Offset links: Used to shorten or lengthen chain length by one pitch.

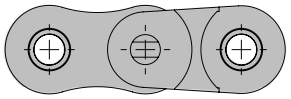
2 Pitch Offset Links: Possess slightly greater load carrying capacities than single pitch offsets.

25 ASME/ANSI Roller Chain

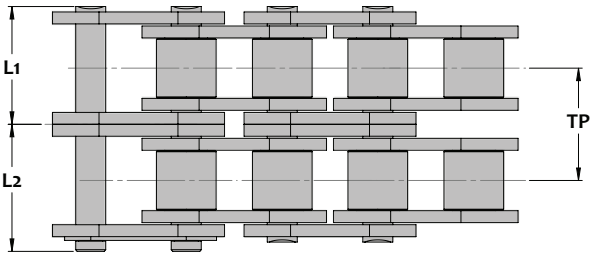


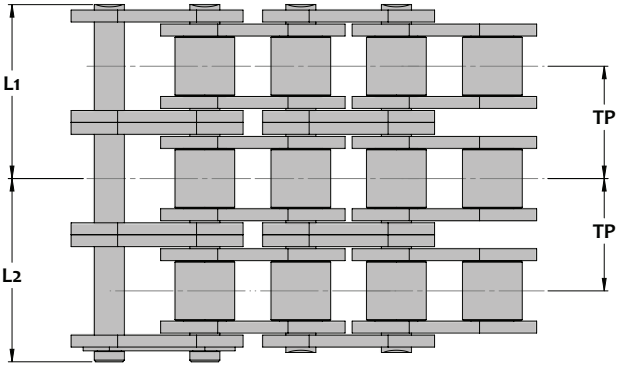






2 Pitch Offset Link





Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions: Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction: Cot	Available Construction: Riv
25	inch	0.250	0.125	0.130	0.091	0.030	0.230	480	No	Yes
	mm	6.35	3.18	3.30	2.31	0.76	5.84	788		

SENQCIA Chain Number	Units	Number of Strands	Pin Lengths: L1	Pin Lengths: L2	Pin Lengths: LR	Pin Lengths: LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
25	inch	1	0.15	0.19	0.30	0.34	-	140	1,050	0.10
	mm		3.8	4.8	7.6	8.6	-	64	477	0.15
25-2	inch	2	0.28	0.31	0.56	0.59	0.252	240	2,100	0.19
	mm		7.1	7.9	14.2	15.0	6.4	109	955	0.28
25-3	inch	3	0.41	0.45	0.81	0.85	0.252	320	3,150	0.27
	mm		10.3	11.3	20.6	21.6	6.4	145	1,430	0.40

25 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
9	0.03	0.04	0.10	0.19	0.25	0.31	0.40	0.50	0.59	0.63	0.80	0.93	1.06	1.00	0.84	0.73	0.64	0.53	0.45	0.42
10	0.03	0.05	0.12	0.21	0.28	0.35	0.45	0.56	0.66	0.74	0.89	1.04	1.19	1.19	1.00	0.86	0.75	0.64	0.56	0.51
11	0.03	0.05	0.14	0.23	0.31	0.39	0.50	0.62	0.73	0.83	0.98	1.15	1.32	1.38	1.16	0.99	0.86	0.75	0.67	0.60
12	0.03	0.06	0.16	0.25	0.34	0.43	0.55	0.68	0.80	0.92	1.07	1.26	1.45	1.57	1.32	1.12	0.97	0.86	0.76	0.68
13	0.04	0.06	0.17	0.27	0.37	0.47	0.60	0.74	0.87	1.00	1.17	1.38	1.58	1.77	1.49	1.27	1.10	0.96	0.86	0.77
14	0.04	0.07	0.19	0.30	0.40	0.50	0.65	0.80	0.94	1.08	1.27	1.49	1.71	1.93	1.66	1.42	1.23	1.08	0.96	0.86
15	0.04	0.08	0.20	0.32	0.43	0.54	0.70	0.86	1.01	1.17	1.36	1.61	1.85	2.08	1.84	1.57	1.36	1.20	1.06	0.95
16	0.04	0.08	0.22	0.34	0.47	0.58	0.76	0.92	1.09	1.25	1.46	1.72	1.98	2.23	2.03	1.73	1.50	1.32	1.17	1.05
17	0.05	0.09	0.23	0.37	0.50	0.62	0.81	0.99	1.16	1.33	1.56	1.84	2.11	2.38	2.22	1.90	1.64	1.44	1.28	1.14
18	0.05	0.09	0.25	0.39	0.53	0.66	0.86	1.05	1.24	1.42	1.66	1.96	2.25	2.53	2.42	2.07	1.79	1.57	1.39	1.25
19	0.05	0.10	0.26	0.41	0.56	0.70	0.91	1.11	1.31	1.50	1.76	2.07	2.38	2.69	2.62	2.24	1.94	1.70	1.51	1.35
20	0.06	0.10	0.28	0.44	0.59	0.74	0.96	1.17	1.38	1.59	1.86	2.19	2.52	2.84	2.83	2.42	2.10	1.84	1.63	1.46
21	0.06	0.11	0.29	0.46	0.62	0.78	1.01	1.24	1.46	1.68	1.96	2.31	2.66	2.99	3.05	2.60	2.26	1.98	1.76	1.57
22	0.06	0.11	0.31	0.48	0.66	0.82	1.07	1.30	1.53	1.76	2.06	2.43	2.79	3.15	3.27	2.79	2.42	2.12	1.88	1.69
23	0.06	0.12	0.32	0.51	0.69	0.86	1.12	1.37	1.61	1.85	2.16	2.55	2.93	3.30	3.50	2.98	2.59	2.27	2.01	1.80
24	0.07	0.13	0.34	0.53	0.72	0.90	1.17	1.43	1.69	1.94	2.27	2.67	3.07	3.46	3.73	3.18	2.76	2.42	2.15	1.92
25	0.07	0.13	0.35	0.56	0.75	0.94	1.22	1.50	1.76	2.02	2.37	2.79	3.21	3.61	3.96	3.38	2.93	2.57	2.28	2.04
26	0.07	0.14	0.37	0.58	0.79	0.98	1.28	1.56	1.84	2.11	2.47	2.91	3.34	3.77	4.19	3.59	3.11	2.73	2.42	2.17
28	0.08	0.15	0.40	0.63	0.85	1.07	1.38	1.69	1.99	2.29	2.68	3.15	3.62	4.09	4.54	4.01	3.47	3.05	2.70	2.42
30	0.08	0.16	0.43	0.68	0.92	1.15	1.49	1.82	2.15	2.46	2.88	3.40	3.90	4.40	4.89	4.45	3.85	3.38	3.00	2.68
32	0.09	0.17	0.46	0.73	0.98	1.23	1.60	1.95	2.30	2.64	3.09	3.64	4.18	4.72	5.25	4.90	4.25	3.73	3.30	2.96
35	0.10	0.19	0.51	0.80	1.08	1.36	1.76	2.15	2.53	2.91	3.41	4.01	4.61	5.20	5.78	5.00	4.86	4.26	3.78	3.38
40	0.12	0.22	0.58	0.92	1.25	1.57	2.03	2.48	2.93	3.36	3.93	4.64	5.32	6.00	6.68	6.85	5.93	5.21	4.62	4.13
45	0.13	0.25	0.66	1.05	1.42	1.78	2.31	2.82	3.32	3.82	4.47	5.26	6.05	6.82	7.58	8.17	7.08	6.21	5.51	4.93
Lube	Type A				Type B									Type C						

Kilowatt Capacity Table

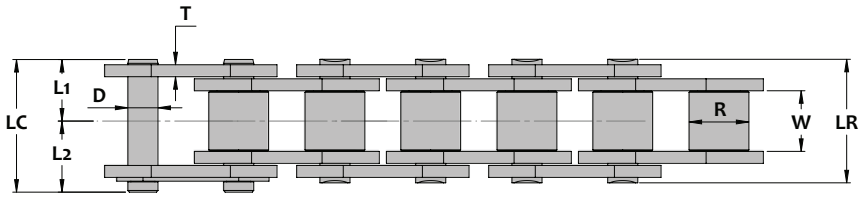
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
9	0.02	0.03	0.07	0.14	0.19	0.23	0.30	0.37	0.44	0.47	0.60	0.69	0.79	0.75	0.63	0.54	0.48	0.40	0.34	0.31
10	0.02	0.04	0.09	0.16	0.21	0.26	0.34	0.42	0.49	0.55	0.66	0.78	0.89	0.89	0.75	0.64	0.56	0.48	0.42	0.38
11	0.02	0.04	0.10	0.17	0.23	0.29	0.37	0.46	0.54	0.62	0.73	0.86	0.98	1.03	0.87	0.74	0.64	0.56	0.50	0.45
12	0.02	0.04	0.12	0.19	0.25	0.32	0.41	0.51	0.60	0.69	0.80	0.94	1.08	1.17	0.98	0.84	0.72	0.64	0.57	0.51
13	0.03	0.04	0.13	0.20	0.28	0.35	0.45	0.55	0.65	0.75	0.87	1.03	1.18	1.32	1.11	0.95	0.82	0.72	0.64	0.57
14	0.03	0.05	0.14	0.22	0.30	0.37	0.48	0.60	0.70	0.81	0.95	1.11	1.28	1.44	1.24	1.06	0.92	0.81	0.72	0.64
15	0.03	0.06	0.15	0.24	0.32	0.40	0.52	0.64	0.75	0.87	1.01	1.20	1.38	1.55	1.37	1.17	1.01	0.90	0.79	0.71
16	0.03	0.06	0.16	0.25	0.35	0.43	0.57	0.69	0.81	0.93	1.09	1.28	1.48	1.66	1.51	1.29	1.12	0.98	0.87	0.78
17	0.04	0.07	0.17	0.28	0.37	0.46	0.60	0.74	0.87	0.99	1.16	1.37	1.57	1.78	1.66	1.42	1.22	1.07	0.95	0.85
18	0.04	0.07	0.19	0.29	0.40	0.49	0.64	0.78	0.93	1.06	1.24	1.46	1.68	1.89	1.81	1.54	1.34	1.17	1.04	0.93
19	0.04	0.07	0.19	0.31	0.42	0.52	0.68	0.83	0.98	1.12	1.31	1.54	1.78	2.01	1.95	1.67	1.45	1.27	1.13	1.01
20	0.04	0.07	0.21	0.33	0.44	0.55	0.72	0.87	1.03	1.19	1.39	1.63	1.88	2.12	2.11	1.81	1.57	1.37	1.22	1.09
21	0.04	0.08	0.22	0.34	0.46	0.58	0.75	0.93	1.09	1.25	1.46	1.72	1.98	2.23	2.28	1.94	1.69	1.48	1.31	1.17
22	0.04	0.08	0.23	0.36	0.49	0.61	0.80	0.97	1.14	1.31	1.54	1.81	2.08	2.35	2.44	2.08	1.81	1.58	1.40	1.26
23	0.04	0.09	0.24	0.38	0.51	0.64	0.84	1.02	1.20	1.38	1.61	1.90	2.19	2.46	2.61	2.22	1.93	1.69	1.50	1.34
24	0.05	0.10	0.25	0.40	0.54	0.67	0.87	1.07	1.26	1.45	1.69	1.99	2.29	2.58	2.78	2.37	2.06	1.81	1.60	1.43
25	0.05	0.10	0.26	0.42	0.56	0.70	0.91	1.12	1.31	1.51	1.77	2.08	2.39	2.69	2.95	2.52	2.19	1.92	1.70	1.52
26	0.05	0.10	0.28	0.43	0.59	0.73	0.95	1.16	1.37	1.57	1.84	2.17	2.49	2.81	3.13	2.68	2.32	2.04	1.81	1.62
28	0.06	0.11	0.30	0.47	0.63	0.80	1.03	1.26	1.48	1.71	2.00	2.35	2.70	3.05	3.39	2.99	2.59	2.28	2.01	1.81
30	0.06	0.12	0.32	0.51	0.69	0.86	1.11	1.36	1.60	1.84	2.15	2.54	2.91	3.28	3.65	3.32	2.87	2.52	2.24	2.00
32	0.07	0.13	0.34	0.54	0.73	0.92	1.19	1.45	1.72	1.97	2.31	2.72	3.12	3.52	3.92	3.66	3.17	2.78	2.46	2.21
35	0.07	0.14	0.38	0.60	0.81	1.01	1.31	1.60	1.89	2.17	2.54	2.99	3.44	3.88	4.31	3.73	3.63	3.18	2.82	2.52
40	0.09	0.16	0.43	0.69	0.93	1.17	1.51	1.85	2.19	2.51	2.93	3.46	3.97	4.48	4.98	5.11	4.42	3.89	3.45	3.08
45	0.10	0.19	0.49	0.78	1.06	1.33	1.72	2.10	2.48	2.85	3.33	3.92	4.51	5.09	5.65	6.09	5.28	4.63	4.11	3.68
Lube	Type A				Type B									Type C						

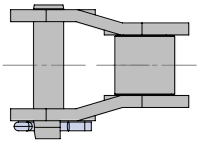
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

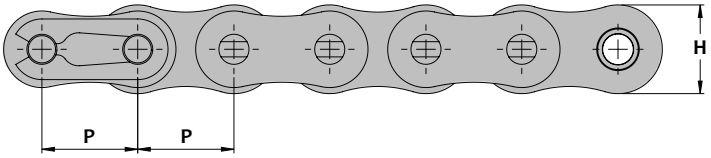
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

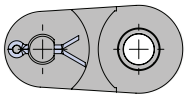
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

35 ASME/ANSI Roller Chain

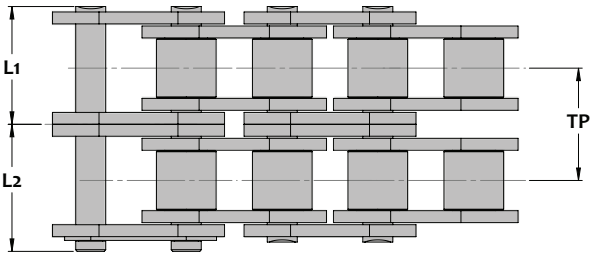


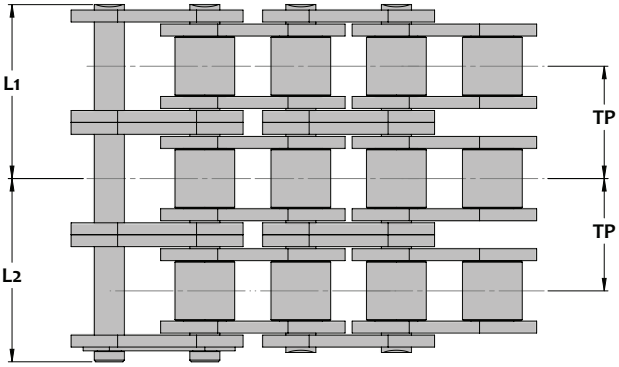






Offset Link





Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
		Common Dimensions								
35	inch	0.375	0.188	0.200	0.141	0.050	0.354	320	No	Yes
	mm	9.525	4.78	5.08	3.58	1.25	9.0	526		

SENQCIA Chain Number	Units	Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
			Pin Lengths and Chain Ratings							
35	inch	1	0.24	0.27	0.47	0.51	-	560	2,430	0.23
	mm		6.0	6.9	12.0	12.9	-	255	1,105	0.34
35-2	inch	2	0.44	0.47	0.87	0.91	0.398	840	4,860	0.42
	mm		11.1	11.9	22.2	23.0	10.1	382	2,210	0.63
35-3	inch	3	0.63	0.67	1.27	1.30	0.398	1,230	7,280	0.62
	mm		16.1	17.0	32.2	33.1	10.1	559	3,310	0.92
35-4	inch	4	0.83	0.87	1.67	1.70	0.398	1,620	9,710	0.82
	mm		21.2	22.0	42.4	43.2	10.1	736	4,415	1.22
35-5	inch	5	1.03	1.06	2.06	2.09	0.398	1,910	12,140	1.05
	mm		26.2	27.0	52.4	53.2	10.1	868	5,520	1.56
35-6	inch	6	1.23	1.27	2.46	2.50	0.398	2,250	14,570	1.27
	mm		31.3	32.2	62.6	63.5	10.1	1,025	6,620	1.89

35 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
9	0.11	0.21	0.56	0.90	1.22	1.53	1.97	2.41	2.84	3.26	2.86	2.17	1.73	1.41	1.18	1.01	0.87	0.76	0.68	0.62
10	0.12	0.24	0.63	1.01	1.35	1.70	2.21	2.69	3.18	3.66	3.35	2.55	2.02	1.65	1.38	1.18	1.03	0.90	0.80	0.71
11	0.13	0.27	0.70	1.11	1.50	1.89	2.45	2.99	3.53	4.05	3.86	2.94	2.33	1.90	1.60	1.37	1.18	1.03	0.92	0.82
12	0.15	0.28	0.78	1.22	1.66	2.08	2.69	3.28	3.87	4.45	4.40	3.35	2.65	2.17	1.82	1.55	1.35	1.18	1.05	0.94
13	0.17	0.31	0.84	1.33	1.81	2.27	2.94	3.58	4.22	4.85	4.96	3.78	2.99	2.45	2.05	1.76	1.51	1.34	1.18	1.06
14	0.19	0.34	0.91	1.45	1.96	2.45	3.18	3.89	4.57	5.25	5.55	4.22	3.35	2.73	2.29	1.96	1.70	1.49	1.33	1.18
15	0.20	0.36	0.98	1.55	2.10	2.64	3.42	4.18	4.93	5.67	6.15	4.68	3.71	3.04	2.55	2.17	1.89	1.65	1.46	1.31
16	0.21	0.39	1.06	1.68	2.27	2.83	3.67	4.49	5.28	6.07	6.77	5.15	4.09	3.35	2.80	2.40	2.08	1.82	1.62	1.45
17	0.23	0.42	1.13	1.78	2.41	3.03	3.91	4.79	5.64	6.49	7.43	5.64	4.48	3.66	3.07	2.63	2.28	2.00	1.77	1.58
18	0.24	0.44	1.19	1.89	2.56	3.22	4.17	5.09	6.01	6.89	8.07	6.15	4.88	3.99	3.35	2.86	2.48	2.17	1.93	1.73
19	0.25	0.47	1.27	2.01	2.72	3.40	4.42	5.40	6.37	7.31	8.55	6.68	5.29	4.33	3.63	3.10	2.68	2.36	2.09	1.88
20	0.27	0.50	1.34	2.12	2.87	3.61	4.66	5.71	6.73	7.72	9.03	7.20	5.71	4.68	3.91	3.35	2.90	2.55	2.25	2.02
21	0.28	0.52	1.41	2.24	3.03	3.79	4.92	6.02	7.09	8.15	9.53	7.75	6.15	5.03	4.22	3.61	3.12	2.73	2.43	2.17
22	0.29	0.55	1.49	2.36	3.19	3.99	5.17	6.33	7.45	8.57	10.03	8.31	6.60	5.40	4.52	3.86	3.35	2.94	2.60	2.33
23	0.31	0.58	1.55	2.47	3.34	4.20	5.43	6.64	7.83	8.98	10.51	8.89	7.05	5.76	4.84	4.13	3.58	3.14	2.79	2.49
24	0.32	0.60	1.64	2.59	3.50	4.38	5.68	6.96	8.19	9.41	11.01	9.46	7.52	6.15	5.15	4.40	3.82	3.35	2.96	2.65
25	0.34	0.63	1.70	2.71	3.66	4.58	5.94	7.27	8.57	9.84	11.50	10.07	7.99	6.54	5.48	4.68	4.06	3.55	3.15	2.83
26	0.35	0.66	1.78	2.82	3.82	4.79	6.21	7.57	8.93	10.25	12.00	10.67	8.47	6.93	5.82	4.96	4.30	3.78	3.35	2.99
28	0.39	0.72	1.93	3.06	4.13	5.19	6.72	8.20	9.68	11.11	13.00	11.93	9.46	7.75	6.49	5.55	4.81	4.22	3.74	3.35
30	0.42	0.78	2.08	3.28	4.45	5.59	7.24	8.85	10.43	11.97	14.01	13.23	10.50	8.59	7.20	6.15	5.34	4.68	4.16	3.71
32	0.44	0.83	2.23	3.53	4.77	5.99	7.76	9.48	11.18	12.84	15.01	14.57	11.57	9.46	7.94	6.77	5.87	5.15	4.57	4.09
35	0.50	0.91	2.45	3.89	5.27	6.60	8.55	10.44	12.31	14.14	16.54	16.68	13.23	10.83	9.08	7.75	6.72	5.90	5.23	4.68
40	0.56	1.06	2.84	4.49	6.07	7.61	9.87	12.06	14.22	16.34	19.12	20.38	16.17	13.23	11.09	9.46	8.20	7.20	6.39	5.71
45	0.64	1.19	3.22	5.09	6.90	8.66	11.21	13.70	16.15	18.55	21.70	24.30	19.29	15.79	13.23	11.30	9.80	8.59	7.63	6.82
Lube	Type A		Type B							Type C										

Kilowatt Capacity Table

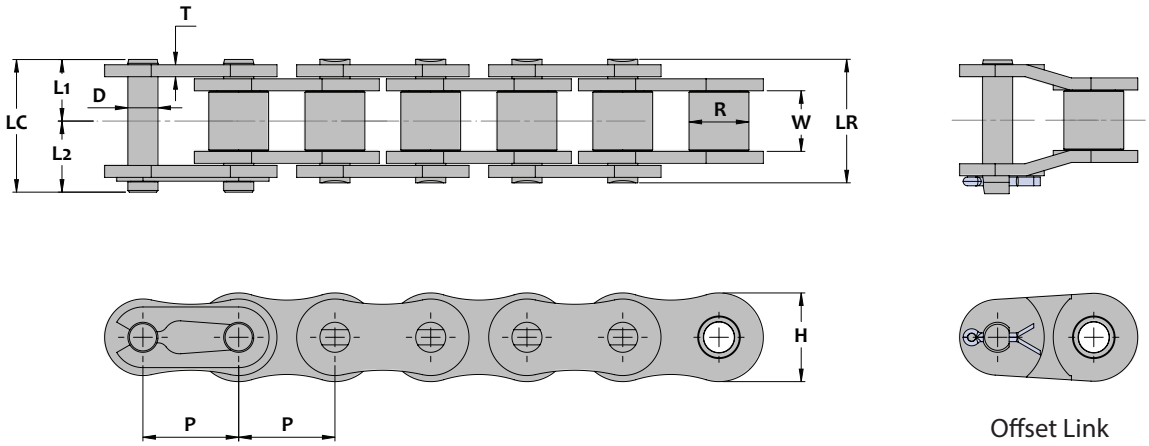
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	50	100	300	500	700	900	1200	1500	1800	2100	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000
9	0.08	0.16	0.42	0.67	0.91	1.14	1.47	1.80	2.12	2.43	2.13	1.62	1.29	1.05	0.88	0.75	0.65	0.57	0.51	0.46
10	0.09	0.18	0.47	0.75	1.01	1.27	1.65	2.01	2.37	2.73	2.50	1.90	1.51	1.23	1.03	0.88	0.77	0.67	0.60	0.53
11	0.10	0.20	0.52	0.83	1.12	1.41	1.83	2.23	2.63	3.02	2.88	2.19	1.74	1.42	1.19	1.02	0.88	0.77	0.69	0.61
12	0.11	0.21	0.58	0.91	1.24	1.55	2.01	2.45	2.89	3.32	3.28	2.50	1.98	1.62	1.36	1.16	1.01	0.88	0.78	0.70
13	0.13	0.23	0.63	0.99	1.35	1.69	2.19	2.67	3.15	3.62	3.70	2.82	2.23	1.83	1.53	1.31	1.13	1.00	0.88	0.79
14	0.14	0.25	0.68	1.08	1.46	1.83	2.37	2.90	3.41	3.92	4.14	3.15	2.50	2.04	1.71	1.46	1.27	1.11	0.99	0.88
15	0.15	0.27	0.73	1.16	1.57	1.97	2.55	3.12	3.68	4.23	4.59	3.49	2.77	2.27	1.90	1.62	1.41	1.23	1.09	0.98
16	0.16	0.29	0.79	1.25	1.69	2.11	2.74	3.35	3.94	4.53	5.05	3.84	3.05	2.50	2.09	1.79	1.55	1.36	1.21	1.08
17	0.17	0.31	0.84	1.33	1.80	2.26	2.92	3.57	4.21	4.84	5.54	4.21	3.34	2.73	2.29	1.96	1.70	1.49	1.32	1.18
18	0.18	0.33	0.89	1.41	1.91	2.40	3.11	3.80	4.48	5.14	6.02	4.59	3.64	2.98	2.50	2.13	1.85	1.62	1.44	1.29
19	0.19	0.35	0.95	1.50	2.03	2.54	3.30	4.03	4.75	5.45	6.38	4.98	3.95	3.23	2.71	2.31	2.00	1.76	1.56	1.40
20	0.20	0.37	1.00	1.58	2.14	2.69	3.48	4.26	5.02	5.76	6.74	5.37	4.26	3.49	2.92	2.50	2.16	1.90	1.68	1.51
21	0.21	0.39	1.05	1.67	2.26	2.83	3.67	4.49	5.29	6.08	7.11	5.78	4.59	3.75	3.15	2.69	2.33	2.04	1.81	1.62
22	0.22	0.41	1.11	1.76	2.38	2.98	3.86	4.72	5.56	6.39	7.48	6.20	4.92	4.03	3.37	2.88	2.50	2.19	1.94	1.74
23	0.23	0.43	1.16	1.84	2.49	3.13	4.05	4.95	5.84	6.70	7.84	6.63	5.26	4.30	3.61	3.08	2.67	2.34	2.08	1.86
24	0.24	0.45	1.22	1.93	2.61	3.27	4.24	5.19	6.11	7.02	8.21	7.06	5.61	4.59	3.84	3.28	2.85	2.50	2.21	1.98
25	0.25	0.47	1.27	2.02	2.73	3.42	4.43	5.42	6.39	7.34	8.58	7.51	5.96	4.88	4.09	3.49	3.03	2.65	2.35	2.11
26	0.26	0.49	1.33	2.10	2.85	3.57	4.63	5.65	6.66	7.65	8.95	7.96	6.32	5.17	4.34	3.70	3.21	2.82	2.50	2.23
28	0.29	0.54	1.44	2.28	3.08	3.87	5.01	6.12	7.22	8.29	9.70	8.90	7.06	5.78	4.84	4.14	3.59	3.15	2.79	2.50
30	0.31	0.58	1.55	2.45	3.32	4.17	5.40	6.60	7.78	8.93	10.45	9.87	7.83	6.41	5.37	4.59	3.98	3.49	3.10	2.77
32	0.33	0.62	1.66	2.63	3.56	4.47	5.79	7.07	8.34	9.58	11.20	10.87	8.63	7.06	5.92	5.05	4.38	3.84	3.41	3.05
35	0.37	0.68	1.83	2.90	3.93	4.92	6.38	7.79	9.18	10.55	12.34	12.44	9.87	8.08	6.77	5.78	5.01	4.40	3.90	3.49
40	0.42	0.79	2.12	3.35	4.53	5.68	7.36	9.00	10.61	12.19	14.26	15.20	12.06	9.87	8.27	7.06	6.12	5.37	4.77	4.26
45	0.48	0.89	2.40	3.80	5.15	6.46	8.36	10.22	12.05	13.84	16.19	18.13	14.39	11.78	9.87	8.43	7.31	6.41	5.69	5.09
Lube	Type A		Type B							Type C										

Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

41 ASME/ANSI Roller Chain



Offset Link

Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction	
		Common Dimensions							Cottered	Riveted
41	inch	0.500	0.250	0.306	0.141	0.050	0.382	240	No	Yes
	mm	12.70	6.35	7.77	3.58	1.25	9.7	394		

SENQCIA Chain Number	Units	Number of Strands	Pin Lengths				Transverse Pitch	Rated Working Load	Average Ultimate Strength	Average Chain Weight
			L1	L2	LR	LC	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
			Pin Lengths and Chain Ratings							
41	inch	1	0.26	0.31	0.52	0.57	-	500	2,600	0.30
	mm		6.6	7.9	13.2	14.5	-	227	1,180	0.45

41 ASME/ANSI Roller Chain

Horsepower Capacity Table

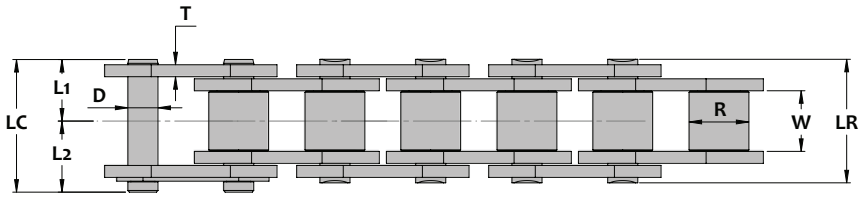
	Maximum Speed of Small Sprocket (rpm)																			
# Teeth Small Sprocket	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
9	0.03	0.08	0.16	0.25	0.48	0.66	0.86	1.06	1.43	1.77	1.80	1.25	0.98	0.71	0.67	0.57	0.46	0.38	0.33	0.26
10	0.04	0.08	0.17	0.28	0.53	0.74	0.96	1.18	1.60	1.99	2.05	1.48	1.17	0.96	0.80	0.65	0.53	0.44	0.38	0.30
11	0.04	0.09	0.18	0.31	0.58	0.82	1.06	1.30	1.76	2.20	2.27	1.71	1.36	1.11	0.93	0.74	0.61	0.51	0.43	0.34
12	0.04	0.09	0.19	0.34	0.63	0.90	1.17	1.42	1.93	2.41	2.59	1.95	1.55	1.27	1.06	0.84	0.69	0.58	0.49	0.39
13	0.04	0.11	0.20	0.36	0.68	0.98	1.27	1.55	2.10	2.63	2.90	2.30	1.75	1.43	1.20	0.95	0.78	0.65	0.56	0.44
14	0.05	0.11	0.21	0.39	0.74	1.06	1.37	1.68	2.28	2.85	3.14	2.46	1.95	1.60	1.34	1.06	0.87	0.73	0.62	0.49
15	0.05	0.12	0.23	0.43	0.79	1.14	1.47	1.81	2.45	3.07	3.38	2.73	2.17	1.77	1.49	1.18	0.96	0.81	0.69	0.55
16	0.05	0.13	0.24	0.46	0.84	1.22	1.58	1.94	2.63	3.30	3.62	3.01	2.39	1.95	1.64	1.30	1.06	0.89	0.76	0.60
17	0.07	0.13	0.25	0.49	0.91	1.31	1.69	2.08	2.80	3.51	3.86	3.29	2.61	2.14	1.79	1.42	1.16	0.98	0.83	0.66
18	0.07	0.15	0.28	0.52	0.97	1.39	1.80	2.20	2.98	3.74	4.11	3.59	2.55	2.33	1.95	1.55	1.27	1.06	0.91	0.72
19	0.07	0.16	0.29	0.55	1.02	1.47	1.90	2.33	3.16	3.97	4.36	3.89	2.99	2.53	2.12	1.68	1.38	1.15	0.98	0.78
20	0.07	0.16	0.31	0.58	1.09	1.55	2.02	2.47	3.34	4.20	4.61	4.24	3.33	2.73	2.29	1.81	1.49	1.24	1.06	0.84
21	0.08	0.17	0.32	0.62	1.14	1.65	2.13	2.60	3.52	4.41	4.85	4.56	3.59	2.94	2.46	1.95	1.60	1.34	1.14	0.91
22	0.08	0.19	0.35	0.64	1.19	1.73	2.22	2.73	3.70	4.64	5.11	4.88	3.85	3.15	2.64	2.09	1.71	1.44	1.23	0.97
23	0.08	0.19	0.36	0.67	1.26	1.81	2.35	2.87	3.89	4.87	5.36	5.21	4.11	3.37	2.82	2.24	1.83	1.54	1.31	1.04
24	0.09	0.20	0.38	0.71	1.31	1.90	2.45	3.00	4.07	5.11	5.60	5.56	4.38	3.59	3.01	2.39	1.95	1.64	1.40	1.11
25	0.09	0.21	0.40	0.74	1.38	1.98	2.57	3.14	4.25	5.33	5.86	5.91	4.66	3.81	3.20	2.54	2.08	1.74	1.49	1.18
26	0.09	0.23	0.42	0.76	1.43	2.06	2.68	3.28	4.44	5.56	6.11	6.27	4.94	4.05	3.39	2.69	2.20	1.85	1.58	1.25
28	0.11	0.24	0.44	0.83	1.55	2.24	2.91	3.55	4.81	6.03	6.62	7.01	5.52	4.52	3.79	3.01	2.46	2.06	1.76	1.40
30	0.11	0.25	0.48	0.90	1.68	2.41	3.12	3.82	5.17	6.49	7.13	7.77	6.13	5.01	4.20	3.33	2.73	2.29	1.95	1.55
32	0.12	0.28	0.51	0.97	1.80	2.59	3.36	4.10	5.55	6.96	7.65	8.56	6.75	5.52	4.63	3.67	3.01	2.52	2.15	1.71
35	0.13	0.31	0.58	1.06	1.98	2.85	3.70	4.52	6.11	7.67	8.43	9.80	7.72	6.32	5.29	4.20	3.44	2.88	2.46	1.95
40	0.16	0.35	0.66	1.23	2.29	3.30	4.26	5.21	7.06	8.86	9.73	11.50	9.43	7.72	6.47	5.13	4.20	3.52	3.01	2.39
45	0.17	0.40	0.75	1.39	2.60	3.74	4.85	5.92	8.03	10.10	11.10	13.00	11.30	9.21	7.72	6.13	5.01	4.20	3.59	2.85
Lube	Type A				Type B								Type C							

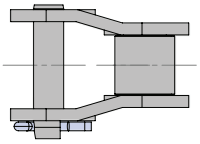
Kilowatt Capacity Table

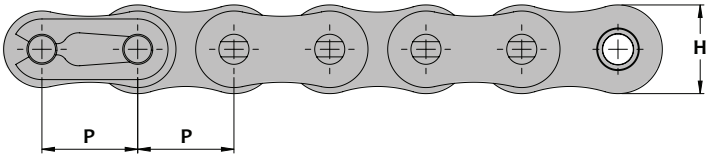
	Maximum Speed of Small Sprocket (rpm)																			
# Teeth Small Sprocket	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
9	0.02	0.06	0.12	0.19	0.36	0.49	0.64	0.79	1.07	1.32	1.34	0.93	0.73	0.53	0.50	0.43	0.34	0.28	0.25	0.19
10	0.03	0.06	0.13	0.21	0.40	0.55	0.72	0.88	1.19	1.48	1.53	1.10	0.87	0.72	0.60	0.48	0.40	0.33	0.28	0.22
11	0.03	0.07	0.13	0.23	0.43	0.61	0.79	0.97	1.31	1.64	1.69	1.28	1.01	0.83	0.69	0.55	0.46	0.38	0.32	0.25
12	0.03	0.07	0.14	0.25	0.47	0.67	0.87	1.06	1.44	1.80	1.93	1.45	1.16	0.95	0.79	0.63	0.51	0.43	0.37	0.29
13	0.03	0.08	0.15	0.27	0.51	0.73	0.95	1.16	1.57	1.96	2.16	1.72	1.31	1.07	0.90	0.71	0.58	0.48	0.42	0.33
14	0.04	0.08	0.16	0.29	0.55	0.79	1.02	1.25	1.70	2.13	2.34	1.84	1.45	1.19	1.00	0.79	0.65	0.54	0.46	0.37
15	0.04	0.09	0.17	0.32	0.59	0.85	1.10	1.35	1.83	2.29	2.52	2.04	1.62	1.32	1.11	0.88	0.72	0.60	0.51	0.41
16	0.04	0.10	0.18	0.34	0.63	0.91	1.18	1.45	1.96	2.46	2.70	2.25	1.78	1.45	1.22	0.97	0.79	0.66	0.57	0.45
17	0.05	0.10	0.19	0.37	0.68	0.98	1.26	1.55	2.09	2.62	2.88	2.45	1.95	1.60	1.34	1.06	0.87	0.73	0.62	0.49
18	0.05	0.11	0.21	0.39	0.72	1.04	1.34	1.64	2.22	2.79	3.07	2.68	1.90	1.74	1.45	1.16	0.95	0.79	0.68	0.54
19	0.05	0.12	0.22	0.41	0.76	1.10	1.42	1.74	2.36	2.96	3.25	2.90	2.23	1.89	1.58	1.25	1.03	0.86	0.73	0.58
20	0.05	0.12	0.23	0.43	0.81	1.16	1.51	1.84	2.49	3.13	3.44	3.16	2.48	2.04	1.71	1.35	1.11	0.93	0.79	0.63
21	0.06	0.13	0.24	0.46	0.85	1.23	1.59	1.94	2.63	3.29	3.62	3.40	2.68	2.19	1.84	1.45	1.19	1.00	0.85	0.68
22	0.06	0.14	0.26	0.48	0.89	1.29	1.66	2.04	2.76	3.46	3.81	3.64	2.87	2.35	1.97	1.56	1.28	1.07	0.92	0.72
23	0.06	0.14	0.27	0.50	0.94	1.35	1.75	2.14	2.90	3.63	4.00	3.89	3.07	2.51	2.10	1.67	1.37	1.15	0.98	0.78
24	0.07	0.15	0.28	0.53	0.98	1.42	1.83	2.24	3.04	3.81	4.18	4.15	3.27	2.68	2.25	1.78	1.45	1.22	1.04	0.83
25	0.07	0.16	0.30	0.55	1.03	1.48	1.92	2.34	3.17	3.98	4.37	4.41	3.48	2.84	2.39	1.89	1.55	1.30	1.11	0.88
26	0.07	0.17	0.31	0.57	1.07	1.54	2.00	2.45	3.31	4.15	4.56	4.68	3.69	3.02	2.53	2.01	1.64	1.38	1.18	0.93
28	0.08	0.18	0.33	0.62	1.16	1.67	2.17	2.65	3.59	4.50	4.94	5.23	4.12	3.37	2.83	2.25	1.84	1.54	1.31	1.04
30	0.08	0.19	0.36	0.67	1.25	1.80	2.33	2.85	3.86	4.84	5.32	5.80	4.57	3.74	3.13	2.48	2.04	1.71	1.45	1.16
32	0.09	0.21	0.38	0.72	1.34	1.93	2.51	3.06	4.14	5.19	5.71	6.39	5.04	4.12	3.45	2.74	2.25	1.88	1.60	1.28
35	0.10	0.23	0.43	0.79	1.48	2.13	2.76	3.37	4.56	5.72	6.29	7.31	5.76	4.71	3.95	3.13	2.57	2.15	1.84	1.45
40	0.12	0.26	0.49	0.92	1.71	2.46	3.18	3.89	5.27	6.61	7.26	8.58	7.03	5.76	4.83	3.83	3.13	2.63	2.25	1.78
45	0.13	0.30	0.56	1.04	1.94	2.79	3.62	4.42	5.99	7.53	8.28	9.70	8.43	6.87	5.76	4.57	3.74	3.13	2.68	2.13
Lube	Type A				Type B								Type C							

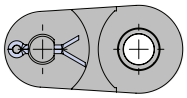
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

40 ASME/ANSI Roller Chain









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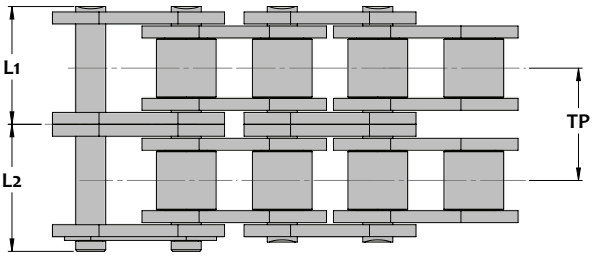
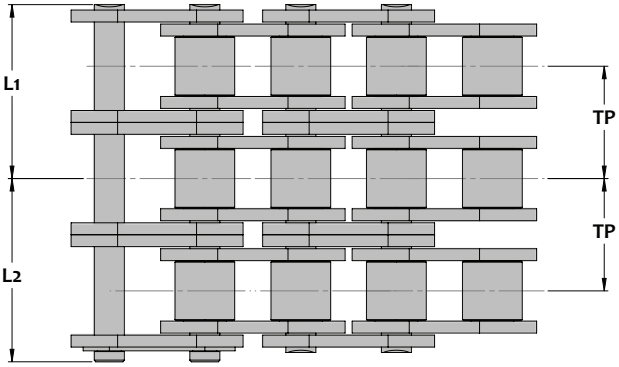




Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions: Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction: Cottered	Available Construction: Riveted
40	inch	0.500	0.313	0.312	0.156	0.060	0.461	240	No	Yes
	mm	12.70	7.95	7.92	3.96	1.5	11.7	394		

SENQCIA Chain Number	Units	Number of Strands	Pin Lengths and Chain Ratings: Pin Lengths L1	L2	LR	LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
40	inch	1	0.33	0.38	0.65	0.70	-	940	4,300	0.40
	mm		8.3	9.6	16.6	17.9	-	427	1,955	0.60
40-2	inch	2	0.61	0.66	1.21	1.27	0.567	1,400	8,600	0.82
	mm		15.4	16.8	30.8	32.2	14.4	636	3,910	1.22
40-3	inch	3	0.89	0.95	1.77	1.83	0.567	2,050	12,900	1.24
	mm		22.5	24.1	45.0	46.6	14.4	932	5,865	1.85
40-4	inch	4	1.18	1.21	2.36	2.39	0.567	2,700	17,200	1.65
	mm		30.0	30.8	60.0	60.8	14.4	1,225	7,820	2.46
40-5	inch	5	1.47	1.51	2.94	2.98	0.567	3,200	21,500	2.11
	mm		37.3	38.3	74.6	75.6	14.4	1,455	9,775	3.14
40-6	inch	6	1.75	1.79	3.50	3.54	0.567	3,770	25,800	2.22
	mm		44.5	45.4	89.0	89.9	14.4	1,715	11,725	3.31

40 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
9	0.07	0.15	0.27	0.50	0.92	1.34	1.74	2.12	2.87	3.61	3.95	4.66	5.03	4.12	3.46	2.73	2.24	1.88	1.61	1.27
10	0.07	0.16	0.29	0.56	1.05	1.50	1.94	2.37	3.22	4.03	4.44	5.23	5.90	4.83	4.05	3.20	2.63	2.20	1.88	1.49
11	0.08	0.17	0.34	0.62	1.15	1.66	2.16	2.64	3.57	4.48	4.92	5.79	6.66	5.56	4.66	3.70	3.03	2.53	2.17	1.72
12	0.08	0.20	0.36	0.68	1.27	1.82	2.37	2.90	3.91	4.92	5.40	6.37	7.32	6.34	5.31	4.22	3.46	2.90	2.47	1.96
13	0.09	0.21	0.40	0.74	1.38	2.00	2.59	3.15	4.28	5.36	5.88	6.94	7.98	7.14	5.99	4.76	3.89	3.26	2.79	2.21
14	0.11	0.23	0.43	0.80	1.50	2.16	2.80	3.42	4.62	5.80	6.38	7.52	8.63	7.99	6.70	5.31	4.36	3.65	3.11	2.47
15	0.11	0.25	0.47	0.87	1.61	2.33	3.02	3.69	4.99	6.25	6.88	8.10	9.30	8.86	7.43	5.90	4.83	4.05	3.46	2.73
16	0.12	0.27	0.50	0.92	1.73	2.49	3.23	3.95	5.35	6.70	7.37	8.69	9.97	9.76	8.18	6.49	5.31	4.45	3.81	3.02
17	0.12	0.28	0.54	0.99	1.85	2.67	3.45	4.22	5.71	7.16	7.87	9.28	10.66	10.70	8.97	7.12	5.82	4.88	4.17	3.31
18	0.13	0.31	0.56	1.06	1.97	2.83	3.67	4.49	6.07	7.61	8.38	9.87	11.33	11.65	9.76	7.75	6.34	5.31	4.54	3.61
19	0.13	0.32	0.60	1.11	2.09	3.00	3.89	4.76	6.43	8.07	8.87	10.46	12.01	12.64	10.59	8.40	6.88	5.76	4.92	3.90
20	0.15	0.34	0.63	1.18	2.20	3.18	4.12	5.03	6.81	8.53	9.38	11.06	12.69	13.65	11.43	9.08	7.43	6.22	5.31	4.22
21	0.16	0.36	0.67	1.25	2.32	3.35	4.33	5.29	7.17	8.99	9.89	11.65	13.39	14.68	12.31	9.76	7.99	6.70	5.72	4.54
22	0.16	0.38	0.70	1.31	2.44	3.51	4.56	5.58	7.55	9.45	10.40	12.25	14.08	15.74	13.19	10.47	8.57	7.18	6.13	4.87
23	0.17	0.39	0.74	1.37	2.56	3.69	4.79	5.84	7.91	9.92	10.91	12.86	14.77	16.65	14.10	11.19	9.16	7.68	6.55	5.20
24	0.19	0.42	0.76	1.43	2.68	3.86	5.01	6.13	8.28	10.39	11.42	13.46	15.46	17.44	15.03	11.93	9.76	8.18	6.98	5.55
25	0.19	0.43	0.80	1.50	2.80	4.03	5.23	6.39	8.66	10.86	11.93	14.06	16.15	18.22	15.98	12.68	10.38	8.70	7.43	5.90
26	0.20	0.46	0.84	1.57	2.92	4.21	5.46	6.68	9.03	11.33	12.45	14.68	16.86	19.01	16.94	13.45	11.01	9.22	7.88	6.25
28	0.21	0.48	0.91	1.70	3.16	4.57	5.91	7.23	9.79	12.27	13.49	15.90	18.26	20.59	18.94	15.03	12.31	10.31	8.81	6.98
30	0.23	0.52	0.98	1.84	3.42	4.92	6.37	7.79	10.55	13.22	14.53	17.13	19.68	22.18	21.01	16.68	13.65	11.43	9.76	7.75
32	0.24	0.56	1.05	1.96	3.66	5.27	6.84	8.35	11.30	14.17	15.59	18.36	21.10	23.79	23.15	18.36	15.03	12.60	10.75	8.54
35	0.27	0.62	1.15	2.16	4.03	5.80	7.52	9.20	12.45	15.62	17.17	20.23	23.24	26.21	26.47	21.01	17.20	14.41	12.31	9.76
40	0.31	0.71	1.34	2.49	4.66	6.72	8.70	10.63	14.38	18.04	19.83	23.36	26.85	30.27	32.35	25.67	21.01	17.60	15.03	11.93
45	0.36	0.82	1.51	2.84	5.29	7.63	9.88	12.06	16.34	20.48	22.52	26.54	30.48	34.38	38.22	30.63	25.07	21.01	17.94	14.24
Lube	Type A				Type B								Type C							

Kilowatt Capacity Table

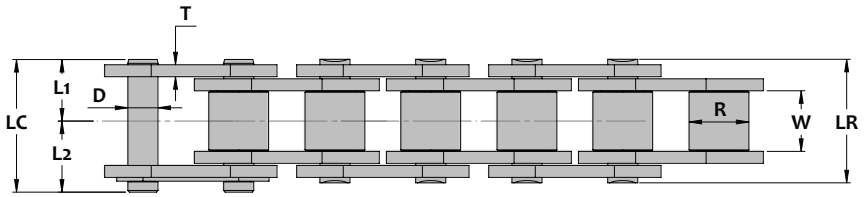
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
9	0.05	0.11	0.20	0.37	0.69	1.00	1.30	1.58	2.14	2.69	2.95	3.48	3.75	3.07	2.58	2.04	1.67	1.40	1.20	0.95
10	0.05	0.12	0.22	0.42	0.78	1.12	1.45	1.77	2.40	3.01	3.31	3.90	4.40	3.60	3.02	2.39	1.96	1.64	1.40	1.11
11	0.06	0.13	0.25	0.46	0.86	1.24	1.61	1.97	2.66	3.34	3.67	4.32	4.97	4.15	3.48	2.76	2.26	1.89	1.62	1.28
12	0.06	0.15	0.27	0.51	0.95	1.36	1.77	2.16	2.92	3.67	4.03	4.75	5.46	4.73	3.96	3.15	2.58	2.16	1.84	1.46
13	0.07	0.16	0.30	0.55	1.03	1.49	1.93	2.35	3.19	4.00	4.39	5.18	5.95	5.33	4.47	3.55	2.90	2.43	2.08	1.65
14	0.08	0.17	0.32	0.60	1.12	1.61	2.09	2.55	3.45	4.33	4.76	5.61	6.44	5.96	5.00	3.96	3.25	2.72	2.32	1.84
15	0.08	0.19	0.35	0.65	1.20	1.74	2.25	2.75	3.72	4.66	5.13	6.04	6.94	6.61	5.54	4.40	3.60	3.02	2.58	2.04
16	0.09	0.20	0.37	0.69	1.29	1.86	2.41	2.95	3.99	5.00	5.50	6.48	7.44	7.28	6.10	4.84	3.96	3.32	2.84	2.25
17	0.09	0.21	0.40	0.74	1.38	1.99	2.57	3.15	4.26	5.34	5.87	6.92	7.95	7.98	6.69	5.31	4.34	3.64	3.11	2.47
18	0.10	0.23	0.42	0.79	1.47	2.11	2.74	3.35	4.53	5.68	6.25	7.36	8.45	8.69	7.28	5.78	4.73	3.96	3.39	2.69
19	0.10	0.24	0.45	0.83	1.56	2.24	2.90	3.55	4.80	6.02	6.62	7.80	8.96	9.43	7.90	6.27	5.13	4.30	3.67	2.91
20	0.11	0.25	0.47	0.88	1.64	2.37	3.07	3.75	5.08	6.36	7.00	8.25	9.47	10.18	8.53	6.77	5.54	4.64	3.96	3.15
21	0.12	0.27	0.50	0.93	1.73	2.50	3.23	3.95	5.35	6.71	7.38	8.69	9.99	10.95	9.18	7.28	5.96	5.00	4.27	3.39
22	0.12	0.28	0.52	0.98	1.82	2.62	3.40	4.16	5.63	7.05	7.76	9.14	10.50	11.74	9.84	7.81	6.39	5.36	4.57	3.63
23	0.13	0.29	0.55	1.02	1.91	2.75	3.57	4.36	5.90	7.40	8.14	9.59	11.02	12.42	10.52	8.35	6.83	5.73	4.89	3.88
24	0.14	0.31	0.57	1.07	2.00	2.88	3.74	4.57	6.18	7.75	8.52	10.04	11.53	13.01	11.21	8.90	7.28	6.10	5.21	4.14
25	0.14	0.32	0.60	1.12	2.09	3.01	3.90	4.77	6.46	8.10	8.90	10.49	12.05	13.59	11.92	9.46	7.74	6.49	5.54	4.40
26	0.15	0.34	0.63	1.17	2.18	3.14	4.07	4.98	6.74	8.45	9.29	10.95	12.58	14.18	12.64	10.03	8.21	6.88	5.88	4.66
28	0.16	0.36	0.68	1.27	2.36	3.41	4.41	5.39	7.30	9.15	10.06	11.86	13.62	15.36	14.13	11.21	9.18	7.69	6.57	5.21
30	0.17	0.39	0.73	1.37	2.55	3.67	4.75	5.81	7.87	9.86	10.84	12.78	14.68	16.55	15.67	12.44	10.18	8.53	7.28	5.78
32	0.18	0.42	0.78	1.46	2.73	3.93	5.10	6.23	8.43	10.57	11.63	13.70	15.74	17.75	17.27	13.70	11.21	9.40	8.02	6.37
35	0.20	0.46	0.86	1.61	3.01	4.33	5.61	6.86	9.29	11.65	12.81	15.09	17.34	19.55	19.75	15.67	12.83	10.75	9.18	7.28
40	0.23	0.53	1.00	1.86	3.48	5.01	6.49	7.93	10.73	13.46	14.79	17.43	20.03	22.58	24.13	19.15	15.67	13.13	11.21	8.90
45	0.27	0.61	1.13	2.12	3.95	5.69	7.37	9.00	12.19	15.28	16.80	19.80	22.74	25.65	28.51	22.85	18.70	15.67	13.38	10.62
Lube	Type A				Type B								Type C							

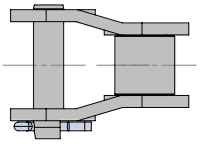
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

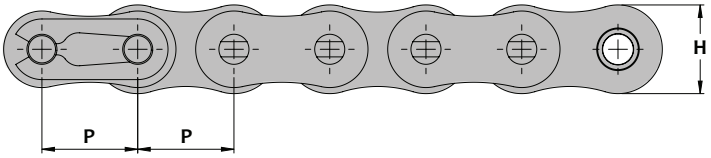
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

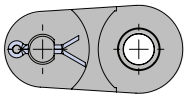
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

50 ASME/ANSI Roller Chain









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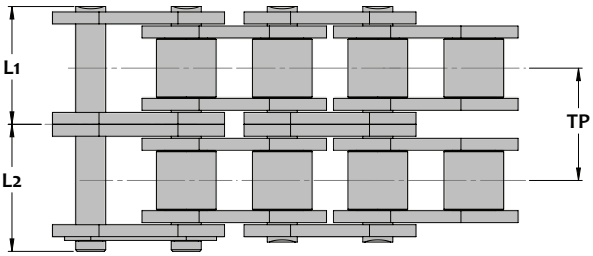
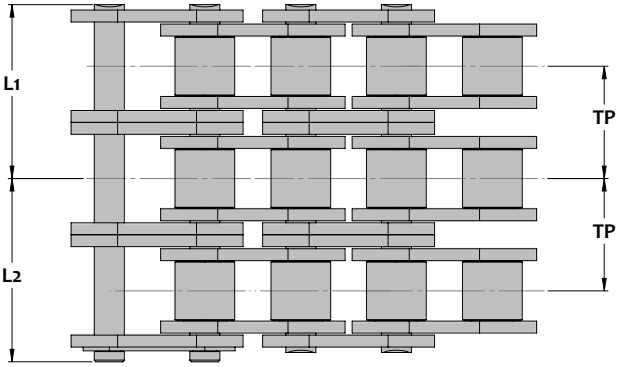




Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions: Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction: Cottered	Available Construction: Riveted
50	inch	0.625	0.375	0.400	0.200	0.080	0.575	192	Yes	Yes
	mm	15.875	9.53	10.16	5.08	2.0	14.6	316		

SENQCIA Chain Number	Units	Number of Strands	Pin Lengths and Chain Ratings: Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
50	inch	1	0.40	0.46	0.80	0.87	-	1,625	7,200	0.66
	mm		10.2	11.8	20.4	22.0	-	740	3,275	0.98
50-2	inch	2	0.76	0.82	1.51	1.57	0.712	2,430	14,400	1.34
	mm		19.2	20.8	38.4	40.0	18.08	1,105	6,545	2.00
50-3	inch	3	1.12	1.17	2.23	2.29	0.712	3,580	21,600	2.06
	mm		28.4	29.8	56.7	58.2	18.08	1,625	9,820	3.07
50-4	inch	4	1.48	1.50	2.95	2.98	0.712	4,720	28,800	2.66
	mm		37.5	38.2	75.0	75.7	18.08	2,145	13,090	3.97
50-5	inch	5	1.83	1.87	3.67	3.70	0.712	5,580	36,000	3.37
	mm		46.6	47.5	93.2	94.1	18.08	2,535	16,365	5.02
50-6	inch	6	2.19	2.24	4.39	4.43	0.712	6,580	43,200	4.03
	mm		55.7	56.8	111.4	112.5	18.08	2,990	19,635	6.01

50 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
9	0.12	0.28	0.52	0.97	1.81	2.61	3.38	4.13	5.59	7.01	7.71	7.59	6.02	4.92	4.13	3.27	2.68	2.25	1.92	1.53
10	0.13	0.31	0.58	1.09	2.02	2.92	3.78	4.62	6.26	7.86	8.63	8.87	7.05	5.76	4.84	3.83	3.14	2.63	2.25	1.78
11	0.15	0.35	0.64	1.21	2.25	3.24	4.20	5.13	6.94	8.70	9.57	10.24	8.12	6.65	5.58	4.42	3.62	3.03	2.59	2.05
12	0.16	0.38	0.71	1.33	2.47	3.55	4.61	5.63	7.63	9.56	10.51	11.68	9.26	7.59	6.35	5.04	4.13	3.46	2.95	2.35
13	0.19	0.42	0.78	1.45	2.69	3.87	5.03	6.14	8.31	10.43	11.46	13.16	10.44	8.55	7.16	5.68	4.65	3.90	3.32	2.64
14	0.20	0.44	0.83	1.57	2.92	4.20	5.44	6.65	9.01	11.30	12.41	14.64	11.68	9.56	8.00	6.35	5.20	4.36	3.73	2.95
15	0.21	0.48	0.90	1.69	3.14	4.53	5.87	7.17	9.71	12.17	13.38	15.76	12.95	10.59	8.87	7.05	5.76	4.84	4.13	3.27
16	0.23	0.52	0.97	1.81	3.36	4.85	6.29	7.68	10.40	13.04	14.34	16.90	14.26	11.68	9.79	7.76	6.35	5.32	4.54	3.61
17	0.24	0.55	1.03	1.93	3.59	5.19	6.72	8.20	11.11	13.93	15.32	18.04	15.62	12.79	10.71	8.50	6.96	5.83	4.97	3.95
18	0.25	0.59	1.10	2.05	3.82	5.51	7.14	8.73	11.82	14.81	16.29	19.20	17.01	13.93	11.68	9.26	7.59	6.35	5.43	4.30
19	0.27	0.63	1.17	2.17	4.06	5.84	7.57	9.25	12.53	15.71	17.27	20.35	18.46	15.11	12.65	10.04	8.22	6.89	5.88	4.66
20	0.29	0.66	1.23	2.29	4.29	6.18	8.00	9.79	13.24	16.61	18.26	21.51	19.93	16.31	13.67	10.84	8.87	7.44	6.35	5.04
21	0.31	0.70	1.30	2.43	4.52	6.51	8.43	10.31	13.95	17.51	19.24	22.67	21.45	17.55	14.71	11.68	9.56	8.00	6.84	5.43
22	0.32	0.74	1.37	2.55	4.76	6.85	8.87	10.84	14.68	18.40	20.23	23.85	22.99	18.82	15.78	12.52	10.24	8.58	7.33	5.82
23	0.34	0.76	1.43	2.67	4.99	7.18	9.30	11.38	15.40	19.30	21.23	25.01	24.58	20.12	16.86	13.38	10.95	9.18	7.84	6.22
24	0.35	0.80	1.50	2.80	5.23	7.52	9.75	11.92	16.13	20.21	22.23	26.19	26.19	21.45	17.98	14.26	11.68	9.79	8.35	6.62
25	0.36	0.84	1.57	2.92	5.46	7.86	10.19	12.45	16.85	21.13	23.23	27.37	27.86	22.80	19.10	15.16	12.41	10.40	8.87	7.05
26	0.39	0.87	1.64	3.06	5.70	8.20	10.63	12.99	17.57	22.04	24.24	28.55	29.54	24.18	20.27	16.09	13.16	11.03	9.42	7.48
28	0.42	0.95	1.77	3.31	6.17	8.89	11.51	14.06	19.05	23.87	26.25	30.94	33.02	27.02	22.64	17.98	14.71	12.33	10.52	8.35
30	0.44	1.02	1.90	3.57	6.65	9.57	12.40	15.16	20.52	25.72	28.28	33.32	36.61	29.97	25.12	19.93	16.31	13.67	11.68	9.26
32	0.48	1.10	2.05	3.82	7.12	10.27	13.30	16.25	22.00	27.59	30.32	35.74	40.34	33.02	27.67	21.96	17.98	15.05	12.86	10.20
35	0.52	1.21	2.25	4.21	7.84	11.30	14.65	17.90	24.24	30.39	33.40	39.37	45.23	37.76	31.65	25.12	20.55	17.23	14.71	11.68
40	0.62	1.39	2.60	4.85	9.06	13.06	16.92	20.68	27.99	35.09	38.59	45.47	52.24	46.14	38.67	30.68	25.12	21.05	17.98	14.26
45	0.70	1.58	2.96	5.52	10.29	14.83	19.21	23.49	31.80	39.85	43.82	51.64	59.32	55.05	46.14	36.61	29.97	25.12	21.45	17.01
Lube	Type A				Type B					Type C										

Kilowatt Capacity Table

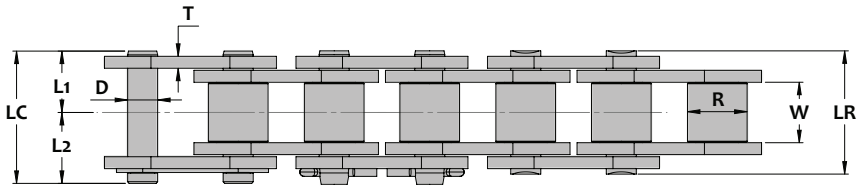
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	200	300	400	500	700	900	1000	1200	1400	1600	1800	2100	2400	2700	3000	3500
9	0.09	0.21	0.39	0.72	1.35	1.95	2.52	3.08	4.17	5.23	5.75	5.66	4.49	3.67	3.08	2.44	2.00	1.68	1.43	1.14
10	0.10	0.23	0.43	0.81	1.51	2.18	2.82	3.45	4.67	5.86	6.44	6.62	5.26	4.30	3.61	2.86	2.34	1.96	1.68	1.33
11	0.11	0.26	0.48	0.90	1.68	2.42	3.13	3.83	5.18	6.49	7.14	7.64	6.06	4.96	4.16	3.30	2.70	2.26	1.93	1.53
12	0.12	0.28	0.53	0.99	1.84	2.65	3.44	4.20	5.69	7.13	7.84	8.71	6.91	5.66	4.74	3.76	3.08	2.58	2.20	1.75
13	0.14	0.31	0.58	1.08	2.01	2.89	3.75	4.58	6.20	7.78	8.55	9.82	7.79	6.38	5.34	4.24	3.47	2.91	2.48	1.97
14	0.15	0.33	0.62	1.17	2.18	3.13	4.06	4.96	6.72	8.43	9.26	10.92	8.71	7.13	5.97	4.74	3.88	3.25	2.78	2.20
15	0.16	0.36	0.67	1.26	2.34	3.38	4.38	5.35	7.24	9.08	9.98	11.76	9.66	7.90	6.62	5.26	4.30	3.61	3.08	2.44
16	0.17	0.39	0.72	1.35	2.51	3.62	4.69	5.73	7.76	9.73	10.70	12.61	10.64	8.71	7.30	5.79	4.74	3.97	3.39	2.69
17	0.18	0.41	0.77	1.44	2.68	3.87	5.01	6.12	8.29	10.39	11.43	13.46	11.65	9.54	7.99	6.34	5.19	4.35	3.71	2.95
18	0.19	0.44	0.82	1.53	2.85	4.11	5.33	6.51	8.82	11.05	12.15	14.32	12.69	10.39	8.71	6.91	5.66	4.74	4.05	3.21
19	0.20	0.47	0.87	1.62	3.03	4.36	5.65	6.90	9.35	11.72	12.88	15.18	13.77	11.27	9.44	7.49	6.13	5.14	4.39	3.48
20	0.22	0.49	0.92	1.71	3.20	4.61	5.97	7.30	9.88	12.39	13.62	16.05	14.87	12.17	10.20	8.09	6.62	5.55	4.74	3.76
21	0.23	0.52	0.97	1.81	3.37	4.86	6.29	7.69	10.41	13.06	14.35	16.91	16.00	13.09	10.97	8.71	7.13	5.97	5.10	4.05
22	0.24	0.55	1.02	1.90	3.55	5.11	6.62	8.09	10.95	13.73	15.09	17.79	17.15	14.04	11.77	9.34	7.64	6.40	5.47	4.34
23	0.25	0.57	1.07	1.99	3.72	5.36	6.94	8.49	11.49	14.40	15.84	18.66	18.34	15.01	12.58	9.98	8.17	6.85	5.85	4.64
24	0.26	0.60	1.12	2.09	3.90	5.61	7.27	8.89	12.03	15.08	16.58	19.54	19.54	16.00	13.41	10.64	8.71	7.30	6.23	4.94
25	0.27	0.63	1.17	2.18	4.07	5.86	7.60	9.29	12.57	15.76	17.33	20.42	20.78	17.01	14.25	11.31	9.26	7.76	6.62	5.26
26	0.29	0.65	1.22	2.28	4.25	6.12	7.93	9.69	13.11	16.44	18.08	21.30	22.04	18.04	15.12	12.00	9.82	8.23	7.03	5.58
28	0.31	0.71	1.32	2.47	4.60	6.63	8.59	10.49	14.21	17.81	19.58	23.08	24.63	20.16	16.89	13.41	10.97	9.20	7.85	6.23
30	0.33	0.76	1.42	2.66	4.96	7.14	9.25	11.31	15.31	19.19	21.10	24.86	27.31	22.36	18.74	14.87	12.17	10.20	8.71	6.91
32	0.36	0.82	1.53	2.85	5.31	7.66	9.92	12.12	16.41	20.58	22.62	26.66	30.09	24.63	20.64	16.38	13.41	11.23	9.59	7.61
35	0.39	0.90	1.68	3.14	5.85	8.43	10.93	13.35	18.08	22.67	24.92	29.37	33.74	28.17	23.61	18.74	15.33	12.85	10.97	8.71
40	0.46	1.04	1.94	3.62	6.76	9.74	12.62	15.43	20.88	26.18	28.79	33.92	38.97	34.42	28.85	22.89	18.74	15.70	13.41	10.64
45	0.52	1.18	2.21	4.12	7.68	11.06	14.33	17.52	23.72	29.73	32.69	38.52	44.25	41.07	34.42	27.31	22.36	18.74	16.00	12.69
Lube	Type A				Type B					Type C										

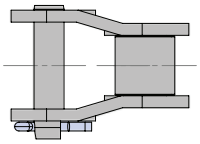
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

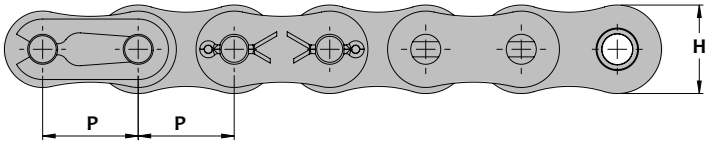
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

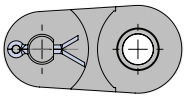
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

60 ASME/ANSI Roller Chain









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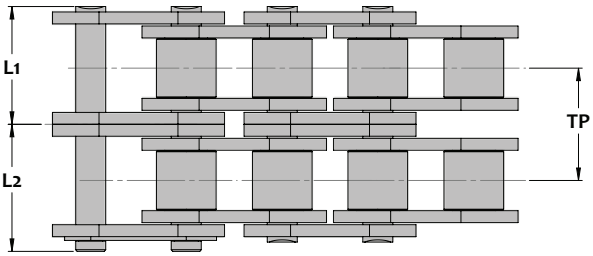
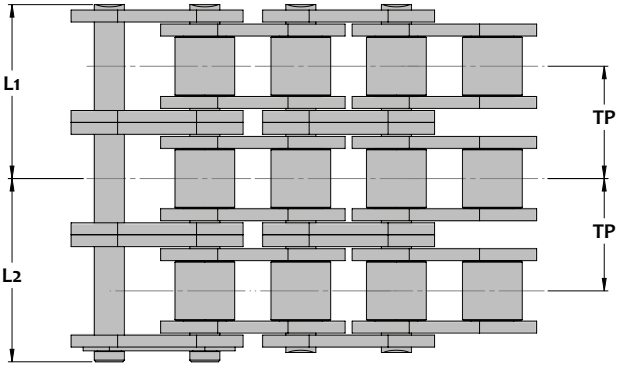




Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction	
		Common Dimensions							Cottered	Riveted
60	inch	0.750	0.500	0.469	0.234	0.094	0.689	160	Yes	Yes
	mm	19.05	12.70	11.91	5.95	2.4	17.5	262		

SENQCIA Chain Number	Units	Number of Strands	Pin Length				Transverse Pitch	Rated Working Load	Average Ultimate Strength	Average Chain Weight
			L1	L2	LR	LC	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
			Pin Lengths and Chain Ratings							
60	inch	1	0.50	0.56	1.00	1.06	-	2,470	10,000	0.98
	mm		12.8	14.1	25.5	26.9	-	1,125	4,545	1.46
60-2	inch	2	0.94	1.01	1.90	1.96	0.898	3,370	19,800	1.98
	mm		24.0	25.7	48.2	49.7	22.8	1,530	9,000	2.95
60-3	inch	3	1.39	1.47	2.80	2.86	0.898	4,950	29,700	2.97
	mm		35.2	37.4	71.2	72.6	22.8	2,250	13,500	4.43
60-4	inch	4	1.86	1.90	3.72	3.76	0.898	6,530	39,600	3.97
	mm		47.2	48.2	94.4	95.4	22.8	2,970	18,000	5.92
60-5	inch	5	2.30	2.35	4.61	4.65	0.898	7,720	49,500	4.97
	mm		58.5	59.7	117.0	118.2	22.8	3,510	22,500	7.41
60-6	inch	6	2.76	2.79	5.51	5.55	0.898	9,100	59,400	5.97
	mm		70.1	70.8	140.0	140.9	22.8	4,135	27,000	8.90

60 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000
9	0.23	0.52	0.97	1.81	2.61	3.38	4.87	6.31	7.71	9.09	10.44	11.77	13.10	11.53	10.00	8.77	6.96	5.70	4.77	4.08
10	0.25	0.59	1.09	2.02	2.92	3.79	5.46	7.06	8.65	10.19	11.70	13.19	14.66	13.50	11.70	10.27	8.15	6.68	5.59	4.77
11	0.28	0.64	1.21	2.25	3.24	4.20	6.05	7.84	9.58	11.29	12.98	14.62	16.26	15.58	13.50	11.85	9.41	7.69	6.45	5.51
12	0.31	0.71	1.33	2.47	3.57	4.61	6.65	8.61	10.52	12.40	14.25	16.07	17.87	17.75	15.39	13.50	10.71	8.77	7.35	6.27
13	0.34	0.78	1.45	2.69	3.89	5.03	7.25	9.38	11.47	13.53	15.54	17.52	19.48	20.01	17.35	15.23	12.08	9.89	8.28	7.08
14	0.36	0.84	1.57	2.92	4.21	5.46	7.86	10.17	12.43	14.65	16.82	18.98	21.10	22.37	19.40	17.02	13.50	11.06	9.26	7.91
15	0.40	0.90	1.69	3.15	4.53	5.87	8.46	10.95	13.39	15.78	18.12	20.44	22.73	24.81	21.50	18.87	14.97	12.27	10.27	8.77
16	0.43	0.97	1.81	3.38	4.85	6.30	9.06	11.74	14.36	16.92	19.44	21.92	24.37	26.80	23.69	20.79	16.50	13.50	11.31	9.66
17	0.46	1.03	1.93	3.61	5.19	6.72	9.68	12.55	15.34	18.07	20.75	23.40	26.02	28.61	25.95	22.77	18.07	14.79	12.40	10.59
18	0.48	1.10	2.05	3.83	5.52	7.14	10.29	13.34	16.31	19.21	22.08	24.89	27.68	30.43	28.27	24.81	19.69	16.11	13.50	11.53
19	0.51	1.17	2.17	4.06	5.84	7.57	10.91	14.14	17.29	20.38	23.40	26.39	29.34	32.27	30.66	26.90	21.35	17.48	14.65	12.51
20	0.54	1.23	2.31	4.29	6.18	8.02	11.54	14.95	18.27	21.53	24.73	27.90	31.02	34.10	33.11	29.06	23.06	18.87	15.82	13.50
21	0.56	1.30	2.43	4.53	6.51	8.45	12.16	15.75	19.26	22.69	26.07	29.41	32.69	35.94	35.63	31.26	24.81	20.31	17.02	14.53
22	0.60	1.37	2.55	4.76	6.85	8.87	12.79	16.57	20.25	23.86	27.41	30.92	34.37	37.80	38.20	33.53	26.61	21.77	18.24	15.58
23	0.63	1.43	2.68	4.99	7.18	9.32	13.42	17.39	21.25	25.04	28.77	32.44	36.07	39.65	40.83	35.83	28.43	23.27	19.50	16.65
24	0.66	1.50	2.80	5.23	7.53	9.76	14.05	18.20	22.25	26.22	30.12	33.97	37.76	41.51	43.53	38.20	30.31	24.81	20.79	17.75
25	0.68	1.57	2.92	5.47	7.87	10.19	14.68	19.02	23.26	27.40	31.47	35.50	39.46	43.39	46.27	40.62	32.23	26.38	22.10	18.87
26	0.72	1.64	3.06	5.70	8.20	10.63	15.32	19.84	24.26	28.58	32.84	37.04	41.18	45.27	49.08	43.07	34.18	27.98	23.45	20.01
28	0.78	1.77	3.31	6.18	8.89	11.51	16.60	21.50	26.27	30.97	35.58	40.12	44.60	49.03	53.43	48.14	38.20	31.26	26.21	22.37
30	0.83	1.90	3.57	6.65	9.58	12.41	17.88	23.16	28.31	33.36	38.32	43.22	48.06	52.83	57.56	53.38	42.36	34.68	29.06	24.81
32	0.90	2.05	3.82	7.13	10.27	13.31	19.17	24.84	30.36	35.76	41.10	46.34	51.53	56.65	61.72	58.74	46.68	38.20	32.01	27.33
35	0.99	2.25	4.21	7.86	11.31	14.66	21.11	27.36	33.45	39.41	45.27	51.05	56.76	62.40	67.99	67.27	53.38	43.70	36.62	31.26
40	1.14	2.60	4.87	9.08	13.07	16.93	24.40	31.60	38.63	45.52	52.29	58.97	65.56	72.09	78.54	82.18	65.23	53.38	44.73	38.20
45	1.30	2.96	5.52	10.31	14.84	19.24	27.71	35.88	43.87	51.69	59.38	66.97	74.46	81.86	89.20	96.46	77.83	63.70	53.38	45.58
Lube	Type A		Type B									Type C								

Kilowatt Capacity Table

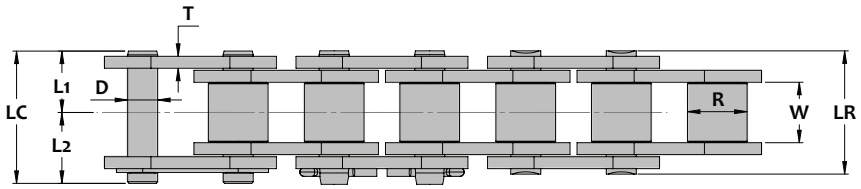
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000
9	0.17	0.39	0.72	1.35	1.95	2.52	3.63	4.71	5.75	6.78	7.79	8.78	9.77	8.60	7.46	6.54	5.19	4.25	3.56	3.04
10	0.19	0.44	0.81	1.51	2.18	2.83	4.07	5.27	6.45	7.60	8.73	9.84	10.94	10.07	8.73	7.66	6.08	4.98	4.17	3.56
11	0.21	0.48	0.90	1.68	2.42	3.13	4.51	5.85	7.15	8.42	9.68	10.91	12.13	11.62	10.07	8.84	7.02	5.74	4.81	4.11
12	0.23	0.53	0.99	1.84	2.66	3.44	4.96	6.42	7.85	9.25	10.63	11.99	13.33	13.24	11.48	10.07	7.99	6.54	5.48	4.68
13	0.25	0.58	1.08	2.01	2.90	3.75	5.41	7.00	8.56	10.09	11.59	13.07	14.53	14.93	12.94	11.36	9.01	7.38	6.18	5.28
14	0.27	0.63	1.17	2.18	3.14	4.07	5.86	7.59	9.27	10.93	12.55	14.16	15.74	16.69	14.47	12.70	10.07	8.25	6.91	5.90
15	0.30	0.67	1.26	2.35	3.38	4.38	6.31	8.17	9.99	11.77	13.52	15.25	16.96	18.51	16.04	14.08	11.17	9.15	7.66	6.54
16	0.32	0.72	1.35	2.52	3.62	4.70	6.76	8.76	10.71	12.62	14.50	16.35	18.18	19.99	17.67	15.51	12.31	10.07	8.44	7.21
17	0.34	0.77	1.44	2.69	3.87	5.01	7.22	9.36	11.44	13.48	15.48	17.46	19.41	21.34	19.36	16.99	13.48	11.03	9.25	7.90
18	0.36	0.82	1.53	2.86	4.12	5.33	7.68	9.95	12.17	14.33	16.47	18.57	20.65	22.70	21.09	18.51	14.69	12.02	10.07	8.60
19	0.38	0.87	1.62	3.03	4.36	5.65	8.14	10.55	12.90	15.20	17.46	19.69	21.89	24.07	22.87	20.07	15.93	13.04	10.93	9.33
20	0.40	0.92	1.72	3.20	4.61	5.98	8.61	11.15	13.63	16.06	18.45	20.81	23.14	25.44	24.70	21.68	17.20	14.08	11.80	10.07
21	0.42	0.97	1.81	3.38	4.86	6.30	9.07	11.75	14.37	16.93	19.45	21.94	24.39	26.81	26.58	23.32	18.51	15.15	12.70	10.84
22	0.45	1.02	1.90	3.55	5.11	6.62	9.54	12.36	15.11	17.80	20.45	23.07	25.64	28.20	28.50	25.01	19.85	16.24	13.61	11.62
23	0.47	1.07	2.00	3.72	5.36	6.95	10.01	12.97	15.85	18.68	21.46	24.20	26.91	29.58	30.46	26.73	21.21	17.36	14.55	12.42
24	0.49	1.12	2.09	3.90	5.62	7.28	10.48	13.58	16.60	19.56	22.47	25.34	28.17	30.97	32.47	28.50	22.61	18.51	15.51	13.24
25	0.51	1.17	2.18	4.08	5.87	7.60	10.95	14.19	17.35	20.44	23.48	26.48	29.44	32.37	34.52	30.30	24.04	19.68	16.49	14.08
26	0.54	1.22	2.28	4.25	6.12	7.93	11.43	14.80	18.10	21.32	24.50	27.63	30.72	33.77	36.61	32.13	25.50	20.87	17.49	14.93
28	0.58	1.32	2.47	4.61	6.63	8.59	12.38	16.04	19.60	23.10	26.54	29.93	33.27	36.58	39.86	35.91	28.50	23.32	19.55	16.69
30	0.62	1.42	2.66	4.96	7.15	9.26	13.34	17.28	21.12	24.89	28.59	32.24	35.85	39.41	42.94	39.82	31.60	25.87	21.68	18.51
32	0.67	1.53	2.85	5.32	7.66	9.93	14.30	18.53	22.65	26.68	30.66	34.57	38.44	42.26	46.04	43.82	34.82	28.50	23.88	20.39
35	0.74	1.68	3.14	5.86	8.44	10.94	15.75	20.41	24.95	29.40	33.77	38.08	42.34	46.55	50.72	50.18	39.82	32.60	27.32	23.32
40	0.85	1.94	3.63	6.77	9.75	12.63	18.20	23.57	28.82	33.96	39.01	43.99	48.91	53.78	58.59	61.31	48.66	39.82	33.37	28.50
45	0.97	2.21	4.12	7.69	11.07	14.35	20.67	26.77	32.73	38.56	44.30	49.96	55.55	61.07	66.54	71.96	58.06	47.52	39.82	34.00
Lube	Type A		Type B									Type C								

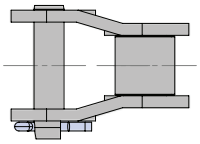
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

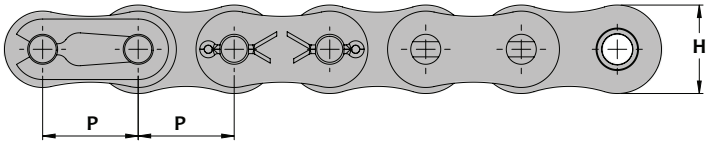
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

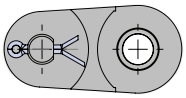
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

80 ASME/ANSI Roller Chain

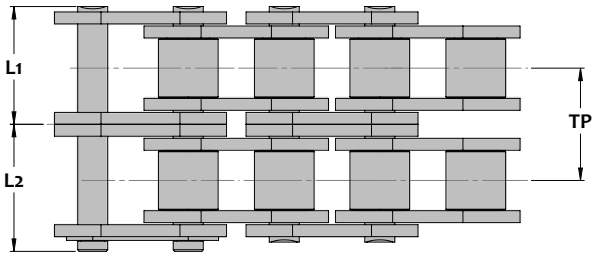


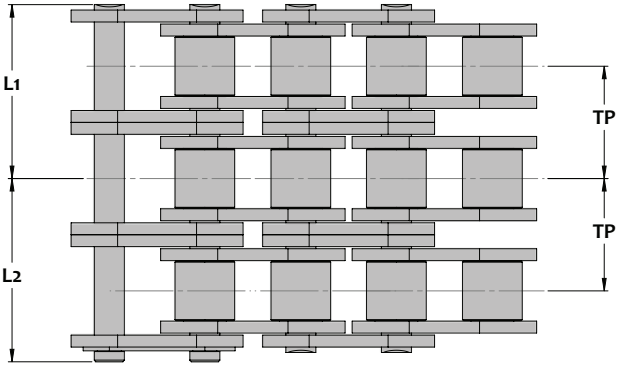






Offset Link





Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction	
									Cottered	Riveted
80	inch	1.000	0.625	0.625	0.312	0.126	0.921	120	Yes	Yes
	mm	25.40	15.88	15.88	7.93	3.2	23.4	198		

SENQCIA Chain Number	Units	Number of Strands	Pin Length				Transverse Pitch	Rated Working Load	Average Ultimate Strength	Average Chain Weight
			L1	L2	LR	LC	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
80	inch	1	0.65	0.75	1.29	1.40	-	4,295	17,650	1.69
	mm		16.4	19.1	32.8	35.5	-	1,950	8,025	2.52
80-2	inch	2	1.21	1.33	2.43	2.54	1.154	5,630	35,300	3.42
	mm		30.8	33.7	61.6	64.5	29.3	2,560	16,045	5.10
80-3	inch	3	1.79	1.91	3.58	3.70	1.154	8,280	53,060	5.15
	mm		45.5	48.6	90.9	94.1	29.3	3,765	24,120	7.68
80-4	inch	4	2.37	2.49	4.74	4.86	1.154	10,900	70,590	6.87
	mm		60.2	63.3	120.4	123.5	29.3	4,955	32,085	10.3
80-5	inch	5	2.95	3.07	5.90	6.02	1.154	12,900	88,350	8.60
	mm		74.9	77.9	149.8	152.8	29.3	5,865	40,160	12.8
80-6	inch	6	3.53	3.64	7.05	7.17	1.154	15,200	105,890	10.3
	mm		89.6	92.5	179.1	182.1	29.3	6,910	48,130	15.4

80 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000
9	0.54	1.22	2.27	4.24	6.10	7.90	11.37	14.73	18.02	21.22	24.38	20.28	17.00	14.52	12.59	11.05	8.77	7.17	6.01	5.13
10	0.60	1.37	2.55	4.75	6.82	8.85	12.75	16.51	20.19	23.78	27.32	23.75	19.91	17.00	14.73	12.94	10.27	8.40	7.04	6.01
11	0.66	1.51	2.82	5.25	7.57	9.81	14.13	18.30	22.37	26.35	30.28	27.41	22.98	19.61	17.00	14.92	11.84	9.69	8.12	6.93
12	0.72	1.66	3.10	5.78	8.31	10.78	15.52	20.11	24.57	28.95	33.27	31.23	26.18	22.35	19.37	17.00	13.49	11.05	9.25	7.90
13	0.79	1.81	3.38	6.30	9.06	11.74	16.92	21.92	26.80	31.57	36.27	35.21	29.52	25.20	21.84	19.17	15.21	12.45	10.43	8.91
14	0.86	1.96	3.66	6.82	9.83	12.72	18.32	23.74	29.02	34.20	39.29	39.36	32.98	28.16	24.41	21.42	17.00	13.91	11.66	9.96
15	0.92	2.10	3.94	7.35	10.58	13.71	19.75	25.58	31.27	36.85	42.33	43.65	36.58	31.23	27.06	23.75	18.85	15.43	12.94	11.05
16	0.99	2.27	4.22	7.88	11.34	14.69	21.17	27.43	33.53	39.50	45.39	48.08	40.29	34.41	29.83	26.18	20.76	17.00	14.25	12.16
17	1.06	2.41	4.50	8.40	12.12	15.70	22.60	29.29	35.79	42.18	48.46	52.65	44.13	37.68	32.67	28.66	22.75	18.62	15.60	13.32
18	1.13	2.57	4.80	8.94	12.88	16.69	24.05	31.15	38.07	44.87	51.54	57.37	48.08	41.06	35.59	31.23	24.79	20.28	17.00	14.52
19	1.19	2.72	5.08	9.48	13.66	17.69	25.48	33.02	40.36	47.56	54.64	61.62	52.14	44.52	38.59	33.87	26.88	22.00	18.43	15.74
20	1.26	2.88	5.38	10.03	14.44	18.70	26.94	34.91	42.67	50.27	57.75	65.13	56.31	48.08	41.68	36.58	29.02	23.75	19.91	17.00
21	1.33	3.03	5.66	10.56	15.21	19.72	28.39	36.80	44.97	52.99	60.88	68.65	60.59	51.73	44.84	39.36	31.23	25.56	21.42	18.28
22	1.39	3.19	5.95	11.11	16.01	20.74	29.87	38.69	47.29	55.72	64.02	72.18	64.97	55.47	48.08	42.20	33.49	27.41	22.98	19.61
23	1.46	3.35	6.25	11.66	16.78	21.76	31.33	40.59	49.61	58.46	67.16	75.74	69.45	59.30	51.39	45.11	35.79	29.30	24.56	20.97
24	1.54	3.50	6.54	12.20	17.57	22.77	32.80	42.49	51.94	61.21	70.32	79.30	74.03	63.20	54.79	48.08	38.16	31.23	26.18	22.35
25	1.61	3.66	6.84	12.75	18.36	23.81	34.28	44.41	54.29	63.97	73.50	82.88	78.70	67.20	58.24	51.13	40.56	33.20	27.83	23.75
26	1.68	3.82	7.13	13.31	19.17	24.83	35.76	46.34	56.64	66.74	76.68	86.46	83.47	71.27	61.77	54.22	43.03	35.21	29.52	25.20
28	1.81	4.14	7.72	14.41	20.76	26.90	38.74	50.20	61.35	72.31	83.06	93.67	93.28	79.65	69.03	60.59	48.08	39.36	32.98	28.16
30	1.96	4.46	8.32	15.54	22.37	28.98	41.74	54.08	66.11	77.90	89.49	100.9	103.5	88.34	76.57	67.20	53.32	43.65	36.58	31.23
32	2.09	4.79	8.93	16.65	23.98	31.07	44.76	57.98	70.88	83.51	95.95	108.2	114.0	97.32	84.36	74.03	58.74	48.08	40.29	34.41
35	2.31	5.27	9.83	18.34	26.42	34.24	49.30	63.87	78.08	92.01	105.7	119.2	130.4	111.3	96.49	84.68	67.20	55.00	46.10	39.36
40	2.67	6.09	11.35	21.19	30.52	39.54	56.96	73.78	90.19	106.3	122.1	137.7	153.1	136.1	117.9	103.5	82.10	67.20	56.31	48.08
45	3.03	6.92	12.90	24.06	34.66	44.91	64.68	83.79	102.4	120.7	138.7	156.4	173.9	162.3	140.6	123.4	97.96	80.19	67.20	57.37
Lube	Type A		Type B						Type C											

Kilowatt Capacity Table

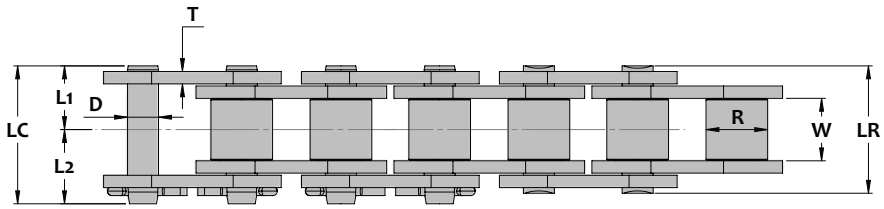
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1400	1600	1800	2000
9	0.40	0.91	1.69	3.16	4.55	5.89	8.48	10.99	13.44	15.83	18.19	15.13	12.68	10.83	9.39	8.24	6.54	5.35	4.48	3.83
10	0.45	1.02	1.90	3.54	5.09	6.60	9.51	12.32	15.06	17.74	20.38	17.72	14.85	12.68	10.99	9.65	7.66	6.27	5.25	4.48
11	0.49	1.13	2.10	3.92	5.65	7.32	10.54	13.65	16.69	19.66	22.59	20.45	17.14	14.63	12.68	11.13	8.83	7.23	6.06	5.17
12	0.54	1.24	2.31	4.31	6.20	8.04	11.58	15.00	18.33	21.60	24.82	23.30	19.53	16.67	14.45	12.68	10.06	8.24	6.90	5.89
13	0.59	1.35	2.52	4.70	6.76	8.76	12.62	16.35	19.99	23.55	27.06	26.27	22.02	18.80	16.29	14.30	11.35	9.29	7.78	6.65
14	0.64	1.46	2.73	5.09	7.33	9.49	13.67	17.71	21.65	25.51	29.31	29.36	24.60	21.01	18.21	15.98	12.68	10.38	8.70	7.43
15	0.69	1.57	2.94	5.48	7.89	10.23	14.73	19.08	23.33	27.49	31.58	32.56	27.29	23.30	20.19	17.72	14.06	11.51	9.65	8.24
16	0.74	1.69	3.15	5.88	8.46	10.96	15.79	20.46	25.01	29.47	33.86	35.87	30.06	25.67	22.25	19.53	15.49	12.68	10.63	9.07
17	0.79	1.80	3.36	6.27	9.04	11.71	16.86	21.85	26.70	31.47	36.15	39.28	32.92	28.11	24.37	21.38	16.97	13.89	11.64	9.94
18	0.84	1.92	3.58	6.67	9.61	12.45	17.94	23.24	28.40	33.47	38.45	42.80	35.87	30.63	26.55	23.30	18.49	15.13	12.68	10.83
19	0.89	2.03	3.79	7.07	10.19	13.20	19.01	24.63	30.11	35.48	40.76	45.97	38.90	33.21	28.79	25.27	20.05	16.41	13.75	11.74
20	0.94	2.15	4.01	7.48	10.77	13.95	20.10	26.04	31.83	37.50	43.08	48.59	42.01	35.87	31.09	27.29	21.65	17.72	14.85	12.68
21	0.99	2.26	4.22	7.88	11.35	14.71	21.18	27.45	33.55	39.53	45.42	51.21	45.20	38.59	33.45	29.36	23.30	19.07	15.98	13.64
22	1.04	2.38	4.44	8.29	11.94	15.47	22.28	28.86	35.28	41.57	47.76	53.85	48.47	41.38	35.87	31.48	24.98	20.45	17.14	14.63
23	1.09	2.50	4.66	8.70	12.52	16.23	23.37	30.28	37.01	43.61	50.10	56.50	51.81	44.24	38.34	33.65	26.70	21.86	18.32	15.64
24	1.15	2.61	4.88	9.10	13.11	16.99	24.47	31.70	38.75	45.66	52.46	59.16	55.23	47.15	40.87	35.87	28.47	23.30	19.53	16.67
25	1.20	2.73	5.10	9.51	13.70	17.76	25.57	33.13	40.50	47.72	54.83	61.83	58.71	50.13	43.45	38.14	30.26	24.77	20.76	17.72
26	1.25	2.85	5.32	9.93	14.30	18.52	26.68	34.57	42.25	49.79	57.20	64.50	62.27	53.17	46.08	40.45	32.10	26.27	22.02	18.80
28	1.35	3.09	5.76	10.75	15.49	20.07	28.90	37.45	45.77	53.94	61.96	69.88	69.59	59.42	51.50	45.20	35.87	29.36	24.60	21.01
30	1.46	3.33	6.21	11.59	16.69	21.62	31.14	40.34	49.32	58.11	66.76	75.3	77.2	65.90	57.12	50.13	39.78	32.56	27.29	23.30
32	1.56	3.57	6.66	12.42	17.89	23.18	33.39	43.25	52.88	62.30	71.58	80.7	85.0	72.60	62.93	55.23	43.82	35.87	30.06	25.67
35	1.72	3.93	7.33	13.68	19.71	25.54	36.78	47.65	58.25	68.64	78.9	88.9	97.3	83.0	71.98	63.17	50.13	41.03	34.39	29.36
40	1.99	4.54	8.47	15.81	22.77	29.50	42.49	55.04	67.28	79.3	91.1	102.7	114.2	101.5	87.9	77.2	61.25	50.13	42.01	35.87
45	2.26	5.16	9.62	17.95	25.86	33.50	48.25	62.51	76.4	90.0	103.4	116.7	129.7	121.1	104.9	92.1	73.08	59.82	50.13	42.80
Lube	Type A		Type B						Type C											

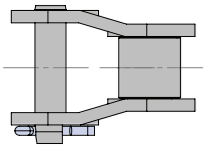
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

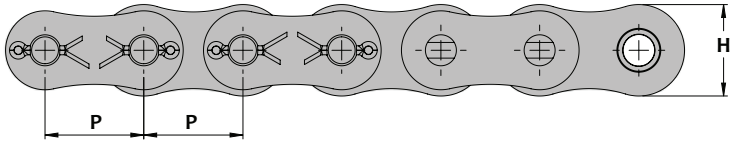
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

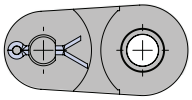
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

100 ASME/ANSI Roller Chain

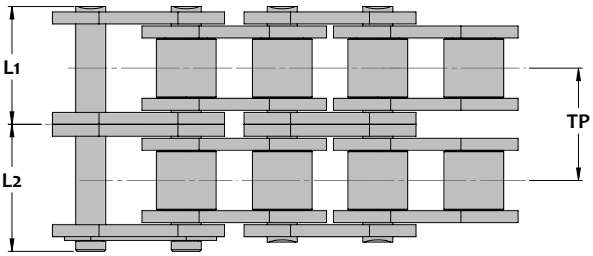


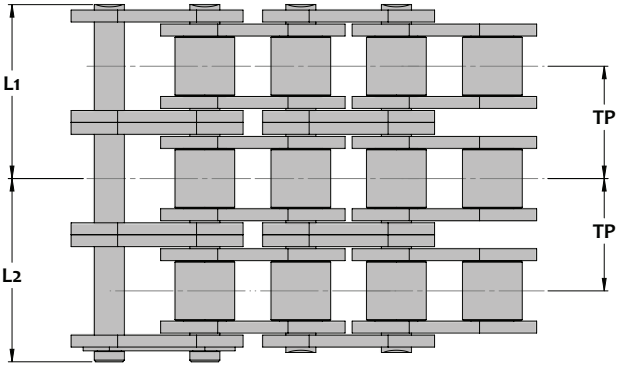






Offset Link





Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction	
									Cottered	Riveted
100	inch	1.250	0.750	0.750	0.375	0.157	1.154	96	Yes	Yes
	mm	31.75	19.05	19.05	9.53	4.0	29.3	158		

Pin Lengths and Chain Ratings

SENQCIA Chain Number	Units	Number of Strands	Pin Length				Transverse Pitch	Rated Working Load	Average Ultimate Strength	Average Chain Weight
			L1	L2	LR	LC	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
100	inch	1	0.78	0.92	1.55	1.69	-	6,610	26,500	2.62
	mm		19.7	23.3	39.4	43.0	-	3,005	12,045	3.91
100-2	inch	2	1.48	1.62	2.96	3.10	1.409	8,650	53,000	5.19
	mm		37.6	41.2	75.1	78.8	35.8	3,930	24,090	7.74
100-3	inch	3	2.19	2.33	4.37	4.51	1.409	12,730	79,500	7.77
	mm		55.5	59.1	110.9	114.6	35.8	5,785	36,135	11.6
100-4	inch	4	2.90	3.04	5.80	5.94	1.409	16,800	106,000	10.3
	mm		73.7	77.1	147.4	150.8	35.8	7,635	48,180	15.4
100-5	inch	5	3.60	3.74	7.20	7.35	1.409	19,850	132,500	12.9
	mm		91.5	95.1	183.0	186.6	35.8	9,025	60,225	19.3
100-6	inch	6	4.31	4.45	8.61	8.76	1.409	23,400	159,000	15.5
	mm		109.4	113.0	218.8	222.4	35.8	10,635	72,275	23.1

100 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1600	1800
9	1.02	2.33	4.34	8.11	11.68	15.12	21.78	28.22	34.49	37.33	29.62	24.25	20.32	17.35	15.04	13.20	11.70	10.47	8.58	7.18
10	1.14	2.61	4.87	9.08	13.08	16.94	24.41	31.62	38.66	43.73	34.71	28.40	23.81	20.32	17.61	15.46	13.71	12.27	10.04	8.42
11	1.27	2.90	5.39	10.07	14.50	18.78	27.05	35.05	42.84	50.44	40.03	32.76	27.47	23.45	20.32	17.84	15.82	14.16	11.58	9.71
12	1.39	3.18	5.92	11.06	15.92	20.62	29.72	38.50	47.06	55.46	45.62	37.33	31.29	26.72	23.15	20.32	18.03	16.13	13.20	11.06
13	1.51	3.46	6.46	12.05	17.36	22.49	32.40	41.98	51.31	60.47	51.43	42.09	35.28	30.12	26.11	22.91	20.32	18.19	14.88	12.48
14	1.65	3.75	7.00	13.06	18.81	24.37	35.11	45.48	55.59	65.51	57.48	47.05	39.42	33.66	29.18	25.60	22.71	20.32	16.64	13.94
15	1.77	4.03	7.53	14.08	20.27	26.26	37.82	48.99	59.89	70.58	63.75	52.17	43.73	37.33	32.36	28.40	25.19	22.53	18.45	15.46
16	1.90	4.33	8.08	15.08	21.73	28.15	40.55	52.53	64.22	75.67	70.23	57.48	48.18	41.13	35.66	31.29	27.75	24.83	20.32	17.04
17	2.02	4.62	8.63	16.11	23.20	30.05	43.30	56.09	68.57	80.79	76.92	62.95	52.76	45.04	39.05	34.26	30.39	27.20	22.25	18.65
18	2.16	4.92	9.18	17.13	24.68	31.97	46.05	59.66	72.92	85.94	83.79	68.59	57.48	49.08	42.53	37.33	33.11	29.62	24.25	20.32
19	2.29	5.21	9.73	18.16	26.17	33.89	48.82	63.24	77.32	91.10	90.88	74.38	62.33	53.23	46.14	40.48	35.91	32.13	26.30	22.04
20	2.41	5.51	10.28	19.20	27.65	35.82	51.60	66.85	81.72	96.29	98.15	80.34	67.32	57.48	49.83	43.73	38.78	34.71	28.40	23.81
21	2.55	5.82	10.84	20.24	29.14	37.76	54.40	70.47	86.14	101.5	105.6	86.43	72.44	61.85	53.61	47.05	41.73	37.33	30.56	25.60
22	2.68	6.11	11.41	21.27	30.64	39.71	57.20	74.10	90.58	106.7	117.3	92.68	77.67	66.31	57.48	50.44	44.75	40.03	32.76	27.47
23	2.82	6.41	11.97	22.32	32.16	41.66	60.01	77.73	95.03	112.0	121.0	99.06	83.03	70.88	61.45	53.93	47.83	42.79	35.03	29.36
24	2.95	6.72	12.52	23.38	33.67	43.62	62.83	81.39	99.50	117.2	129.0	105.6	88.50	75.56	65.50	57.48	50.98	45.62	37.33	31.29
25	3.07	7.01	13.10	24.42	35.19	45.59	65.66	85.07	104.0	122.5	137.2	112.3	94.09	80.34	69.62	61.11	54.20	48.50	39.69	33.27
26	3.20	7.32	13.66	25.48	36.72	47.56	68.50	88.75	108.5	127.8	145.5	119.1	99.79	85.20	73.85	64.81	57.48	51.43	42.09	35.28
28	3.47	7.92	14.80	27.61	39.77	51.53	74.21	96.14	117.5	138.5	159.1	133.1	111.5	95.21	82.53	72.44	64.24	57.48	47.05	39.42
30	3.74	8.54	15.94	29.75	42.84	55.51	79.95	103.6	126.6	149.2	171.4	147.6	123.7	105.6	91.53	80.34	71.25	63.75	52.17	43.73
32	4.02	9.16	17.09	31.89	45.94	59.52	85.72	111.1	135.8	160.0	183.8	162.6	136.2	116.3	100.8	88.50	78.49	70.23	57.48	48.18
35	4.42	10.09	18.83	35.13	50.60	65.56	94.44	122.3	149.6	176.3	202.4	185.9	155.9	133.1	115.3	101.2	89.77	80.34	65.75	55.11
40	5.11	11.65	21.74	40.59	58.46	75.74	109.1	141.3	172.8	203.6	233.9	227.2	190.5	162.6	140.9	123.7	109.7	98.15	80.34	67.32
45	5.80	13.23	24.71	46.09	66.38	86.01	123.9	160.5	196.2	231.2	265.5	271.2	227.2	194.0	168.1	147.6	130.9	117.1	95.86	80.34
Lube	Type A		Type B				Type C													

Kilowatt Capacity Table

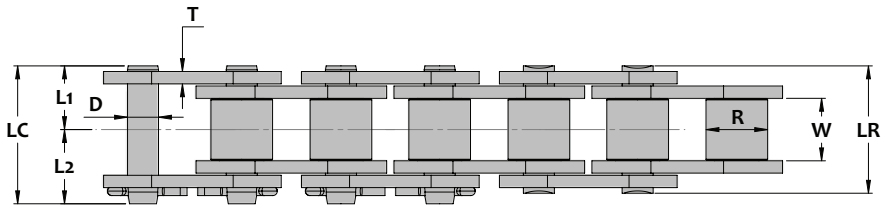
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1600	1800
9	0.76	1.74	3.24	6.05	8.71	11.28	16.25	21.05	25.73	27.85	22.10	18.09	15.16	12.94	11.22	9.85	8.73	7.81	6.40	5.36
10	0.85	1.95	3.63	6.77	9.76	12.64	18.21	23.59	28.84	32.62	25.89	21.19	17.76	15.16	13.14	11.53	10.23	9.15	7.49	6.28
11	0.95	2.16	4.02	7.51	10.82	14.01	20.18	26.15	31.96	37.63	29.86	24.44	20.49	17.49	15.16	13.31	11.80	10.56	8.64	7.24
12	1.04	2.37	4.42	8.25	11.88	15.38	22.17	28.72	35.11	41.37	34.03	27.85	23.34	19.93	17.27	15.16	13.45	12.03	9.85	8.25
13	1.13	2.58	4.82	8.99	12.95	16.78	24.17	31.32	38.28	45.11	38.37	31.40	26.32	22.47	19.48	17.09	15.16	13.57	11.10	9.31
14	1.23	2.80	5.22	9.74	14.03	18.18	26.19	33.93	41.47	48.87	42.88	35.10	29.41	25.11	21.77	19.10	16.94	15.16	12.41	10.40
15	1.32	3.01	5.62	10.50	15.12	19.59	28.21	36.55	44.68	52.65	47.56	38.92	32.62	27.85	24.14	21.19	18.79	16.81	13.76	11.53
16	1.42	3.23	6.03	11.25	16.21	21.00	30.25	39.19	47.91	56.45	52.39	42.88	35.94	30.68	26.60	23.34	20.70	18.52	15.16	12.71
17	1.51	3.45	6.44	12.02	17.31	22.42	32.30	41.84	51.15	60.27	57.38	46.96	39.36	33.60	29.13	25.56	22.67	20.29	16.60	13.91
18	1.61	3.67	6.85	12.78	18.41	23.85	34.35	44.51	54.40	64.11	62.51	51.17	42.88	36.61	31.73	27.85	24.70	22.10	18.09	15.16
19	1.71	3.89	7.26	13.55	19.52	25.28	36.42	47.18	57.68	67.96	67.80	55.49	46.50	39.71	34.42	30.20	26.79	23.97	19.62	16.44
20	1.80	4.11	7.67	14.32	20.63	26.72	38.49	49.87	60.96	71.83	73.22	59.93	50.22	42.88	37.17	32.62	28.93	25.89	21.19	17.76
21	1.90	4.34	8.09	15.10	21.74	28.17	40.58	52.57	64.26	75.7	78.8	64.48	54.04	46.14	39.99	35.10	31.13	27.85	22.80	19.10
22	2.00	4.56	8.51	15.87	22.86	29.62	42.67	55.28	67.57	79.6	87.5	69.14	57.94	49.47	42.88	37.63	33.38	29.86	24.44	20.49
23	2.10	4.78	8.93	16.65	23.99	31.08	44.77	57.99	70.89	83.5	90.3	73.90	61.94	52.88	45.84	40.23	35.68	31.92	26.13	21.90
24	2.20	5.01	9.34	17.44	25.12	32.54	46.87	60.72	74.23	87.5	96.3	78.8	66.02	56.37	48.86	42.88	38.03	34.03	27.85	23.34
25	2.29	5.23	9.77	18.22	26.25	34.01	48.98	63.46	77.6	91.4	102.3	83.8	70.19	59.93	51.94	45.59	40.43	36.18	29.61	24.82
26	2.39	5.46	10.19	19.01	27.39	35.48	51.10	66.21	80.9	95.4	108.5	88.8	74.44	63.56	55.09	48.35	42.88	38.37	31.40	26.32
28	2.59	5.91	11.04	20.60	29.67	38.44	55.36	71.72	87.7	103.3	118.7	99.3	83.2	71.03	61.57	54.04	47.92	42.88	35.10	29.41
30	2.79	6.37	11.89	22.19	31.96	41.41	59.64	77.3	94.5	111.3	127.9	110.1	92.3	78.8	68.28	59.93	53.15	47.56	38.92	32.62
32	3.00	6.83	12.75	23.79	34.27	44.40	63.95	82.9	101.3	119.3	137.1	121.3	101.6	86.8	75.2	66.02	58.55	52.39	42.88	35.94
35	3.30	7.53	14.05	26.21	37.75	48.91	70.45	91.3	111.6	131.5	151.0	138.7	116.3	99.3	86.1	75.5	66.97	59.93	49.05	41.11
40	3.81	8.69	16.22	30.28	43.61	56.50	81.4	105.4	128.9	151.9	174.5	169.5	142.1	121.3	105.1	92.3	81.8	73.22	59.93	50.22
45	4.33	9.87	18.43	34.38	49.52	64.16	92.4	119.7	146.4	172.5	198.1	202.3	169.5	144.7	125.4	110.1	97.6	87.4	71.51	59.93
Lube	Type A		Type B				Type C													

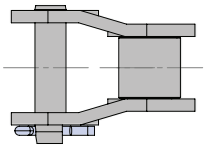
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

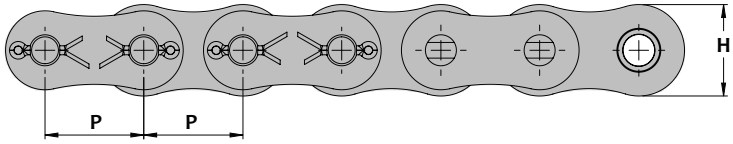
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

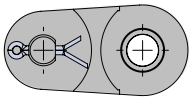
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

120 ASME/ANSI Roller Chain









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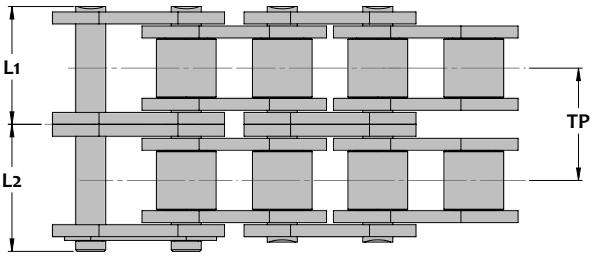
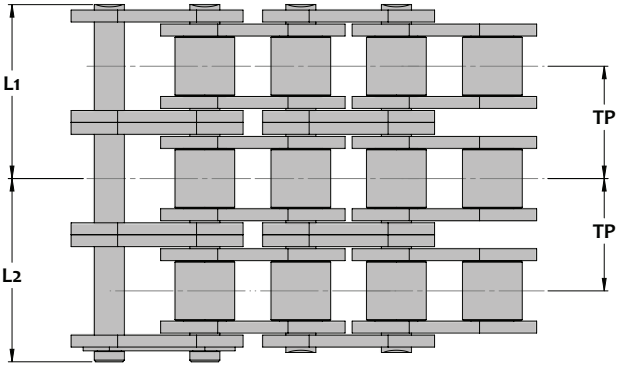




Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction	
									Cottered	Riveted
120	inch	1.500	1.000	0.875	0.437	0.188	1.382	80	Yes	Yes
	mm	38.10	25.40	22.23	11.10	4.8	35.1	132		

SENQCIA Chain Number	Units	Number of Strands	Pin Length				Transverse Pitch	Rated Working Load	Average Ultimate Strength	Average Chain Weight
			L1	L2	LR	LC	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
120	inch	1	0.98	1.13	1.95	2.10	-	8,880	39,000	3.86
	mm		24.8	28.6	49.5	53.4	-	4,035	17,725	5.76
120-2	inch	2	1.87	2.02	3.74	3.89	1.787	11,620	78,000	7.70
	mm		47.5	51.3	94.9	98.8	45.4	5,280	35,455	11.5
120-3	inch	3	2.76	2.91	5.52	5.68	1.787	17,080	117,000	11.5
	mm		70.2	74.0	140.3	144.2	45.4	7,765	53,180	17.2
120-4	inch	4	3.67	3.81	7.33	7.48	1.787	22,550	156,000	15.4
	mm		93.1	96.9	186.1	190.0	45.4	10,250	70,910	22.9
120-5	inch	5	4.56	4.71	9.11	9.27	1.787	26,750	195,000	19.2
	mm		115.8	119.6	231.5	235.4	45.4	12,160	88,635	28.7
120-6	inch	6	5.45	5.60	10.90	11.06	1.787	31,470	234,000	23.0
	mm		138.5	142.3	276.9	280.8	45.4	14,305	106,365	34.4

120 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
9	1.73	3.93	7.33	13.69	19.72	25.54	36.78	47.65	56.78	43.20	34.28	28.06	23.51	20.08	17.40	15.27	13.54	12.12	10.92	9.92
10	1.93	4.41	8.22	15.34	22.09	28.62	41.22	53.39	65.27	50.59	40.15	32.86	27.53	23.51	20.38	17.88	15.86	14.20	12.80	11.62
11	2.14	4.88	9.10	17.00	24.48	31.72	45.68	59.18	72.35	58.36	46.31	37.91	31.77	27.13	23.51	20.63	18.30	16.38	14.77	13.40
12	2.35	5.36	10.00	18.67	26.89	34.84	50.19	65.01	79.48	66.50	52.77	43.20	36.21	30.91	26.80	23.51	20.86	18.66	16.82	15.27
13	2.56	5.84	10.91	20.36	29.32	37.99	54.72	70.88	86.65	74.99	59.50	48.71	40.82	34.85	30.21	26.51	23.51	21.05	18.97	17.23
14	2.77	6.33	11.82	22.05	31.77	41.15	59.28	76.80	93.87	83.81	66.50	54.44	45.62	38.95	33.77	29.62	26.27	23.51	21.21	19.25
15	2.99	6.82	12.73	23.75	34.22	44.34	63.86	82.73	101.1	92.95	73.75	60.38	50.59	43.20	37.44	32.86	29.14	26.07	23.51	21.34
16	3.20	7.32	13.65	25.47	36.69	47.53	68.47	88.71	108.4	102.4	81.26	66.50	55.74	47.59	41.25	36.21	32.10	28.73	25.90	23.51
17	3.42	7.82	14.57	27.20	39.18	50.75	73.11	94.71	115.8	112.1	88.99	72.84	61.05	52.12	45.17	39.65	35.16	31.46	28.36	25.75
18	3.65	8.31	15.51	28.93	41.68	53.98	77.76	100.7	123.2	122.2	96.96	79.36	66.50	56.78	49.22	43.20	38.31	34.28	30.91	28.06
19	3.86	8.81	16.43	30.67	44.18	57.24	82.44	106.8	130.5	132.5	105.1	86.06	72.13	61.58	53.38	46.85	41.54	37.17	33.53	30.43
20	4.08	9.30	17.37	32.41	46.69	60.50	87.13	112.9	138.0	143.1	113.6	92.95	77.90	66.50	57.64	50.59	44.87	40.15	36.21	32.86
21	4.30	9.81	18.31	34.17	49.22	63.77	91.85	119.0	145.5	154.0	122.2	100.0	83.81	71.55	62.02	54.44	48.27	43.20	38.95	35.36
22	4.52	10.32	19.25	35.94	51.76	67.05	96.58	125.1	152.9	165.1	131.0	107.2	89.87	76.73	66.50	58.36	51.77	46.31	41.77	37.91
23	4.75	10.83	20.20	37.69	54.30	70.35	101.3	131.3	160.5	176.5	140.0	114.6	96.06	82.02	71.10	62.40	55.34	49.52	44.65	40.52
24	4.97	11.34	21.15	39.48	56.85	73.66	106.1	137.5	168.0	188.1	149.3	122.2	102.4	87.43	75.78	66.50	58.98	52.77	47.59	43.20
25	5.19	11.85	22.10	41.25	59.42	76.98	110.9	143.6	175.6	200.0	158.7	129.9	108.9	92.95	80.56	70.71	62.71	56.11	50.59	45.92
26	5.42	12.36	23.06	43.04	61.98	80.31	115.7	149.9	183.2	212.1	168.3	137.8	115.5	98.58	85.44	74.99	66.50	59.50	53.66	48.71
28	5.87	13.39	24.99	46.62	67.16	87.00	125.3	162.3	198.5	233.8	188.1	154.0	129.0	110.2	95.50	83.81	74.33	66.50	59.97	54.44
30	6.33	14.42	26.92	50.23	72.35	93.73	135.0	174.9	213.8	251.9	208.6	170.8	143.1	122.2	105.9	92.95	82.43	73.75	66.50	60.38
32	6.78	15.47	28.86	53.86	77.57	100.5	144.8	187.5	229.2	270.1	229.8	188.1	157.6	134.6	116.7	102.4	90.80	81.26	73.27	66.50
35	7.47	17.04	31.80	59.33	85.46	110.7	159.5	206.6	252.5	297.6	262.9	215.2	180.3	154.0	133.5	117.1	103.9	92.95	83.81	76.07
40	8.63	19.68	36.73	68.53	98.71	127.9	184.2	238.6	291.7	343.7	321.2	262.9	220.3	188.1	163.1	143.1	126.9	113.6	102.4	92.95
45	9.80	22.35	41.70	77.83	112.1	145.2	209.2	271.0	331.3	390.4	383.3	313.7	262.9	224.5	194.6	170.8	151.4	135.5	122.2	110.9
Lube	Type A	Type B				Type C														

Kilowatt Capacity Table

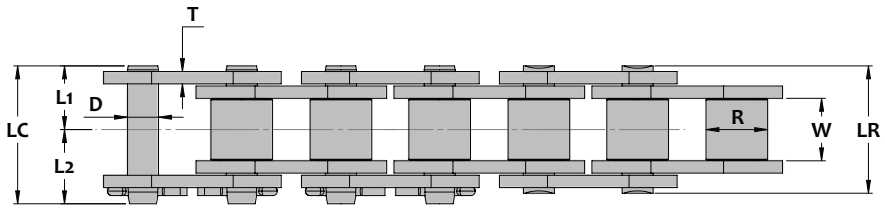
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
9	1.29	2.93	5.47	10.21	14.71	19.05	27.44	35.55	42.36	32.23	25.57	20.93	17.54	14.98	12.98	11.39	10.10	9.04	8.15	7.40
10	1.44	3.29	6.13	11.44	16.48	21.35	30.75	39.83	48.69	37.74	29.95	24.51	20.54	17.54	15.20	13.34	11.83	10.59	9.55	8.67
11	1.60	3.64	6.79	12.68	18.26	23.66	34.08	44.15	53.97	43.54	34.55	28.28	23.70	20.24	17.54	15.39	13.65	12.22	11.02	10.00
12	1.75	4.00	7.46	13.93	20.06	25.99	37.44	48.50	59.29	49.61	39.37	32.23	27.01	23.06	19.99	17.54	15.56	13.92	12.55	11.39
13	1.91	4.36	8.14	15.19	21.87	28.34	40.82	52.88	64.64	55.94	44.39	36.34	30.45	26.00	22.54	19.78	17.54	15.70	14.15	12.85
14	2.07	4.72	8.82	16.45	23.70	30.70	44.22	57.29	70.03	62.52	49.61	40.61	34.03	29.06	25.19	22.10	19.60	17.54	15.82	14.36
15	2.23	5.09	9.50	17.72	25.53	33.08	47.64	61.72	75.45	69.34	55.02	45.04	37.74	32.23	27.93	24.51	21.74	19.45	17.54	15.92
16	2.39	5.46	10.18	19.00	27.37	35.46	51.08	66.18	80.90	76.39	60.62	49.61	41.58	35.50	30.77	27.01	23.95	21.43	19.32	17.54
17	2.55	5.83	10.87	20.29	29.23	37.86	54.54	70.65	86.37	83.66	66.39	54.34	45.54	38.88	33.70	29.58	26.23	23.47	21.16	19.21
18	2.72	6.20	11.57	21.58	31.09	40.27	58.01	75.15	91.87	91.15	72.33	59.20	49.61	42.36	36.72	32.23	28.58	25.57	23.06	20.93
19	2.88	6.57	12.26	22.88	32.96	42.70	61.50	79.67	97.39	98.85	78.44	64.20	53.81	45.94	39.82	34.95	30.99	27.73	25.01	22.70
20	3.04	6.94	12.96	24.18	34.83	45.13	65.00	84.21	102.9	106.8	84.71	69.34	58.11	49.61	43.00	37.74	33.47	29.95	27.01	24.51
21	3.21	7.32	13.66	25.49	36.72	47.57	68.52	88.77	108.5	114.9	91.15	74.60	62.52	53.38	46.27	40.61	36.01	32.23	29.06	26.38
22	3.37	7.70	14.36	26.81	38.61	50.02	72.05	93.34	114.1	123.2	97.73	79.99	67.04	57.24	49.61	43.54	38.62	34.55	31.16	28.28
23	3.54	8.08	15.07	28.12	40.51	52.48	75.59	97.93	119.7	131.7	104.5	85.51	71.66	61.19	53.04	46.55	41.28	36.94	33.31	30.23
24	3.71	8.46	15.78	29.45	42.41	54.95	79.15	102.5	125.3	140.3	111.4	91.15	76.39	65.22	56.53	49.61	44.00	39.37	35.50	32.23
25	3.87	8.84	16.49	30.77	44.33	57.43	82.72	107.2	131.0	149.2	118.4	96.90	81.21	69.34	60.10	52.75	46.78	41.86	37.74	34.26
26	4.04	9.22	17.20	32.11	46.24	59.91	86.29	111.8	136.7	158.2	125.6	102.8	86.13	73.54	63.74	55.94	49.61	44.39	40.03	36.34
28	4.38	9.99	18.64	34.78	50.10	64.90	93.49	121.1	148.1	174.5	140.3	114.9	96.26	82.19	71.24	62.52	55.45	49.61	44.74	40.61
30	4.72	10.76	20.08	37.47	53.97	69.92	100.7	130.5	159.5	187.9	155.6	127.4	106.8	91.15	79.00	69.34	61.49	55.02	49.61	45.04
32	5.06	11.54	21.53	40.18	57.87	74.97	108.0	139.9	171.0	201.5	171.5	140.3	117.6	100.4	87.04	76.39	67.74	60.62	54.66	49.61
35	5.57	12.71	23.72	44.26	63.75	82.59	119.0	154.1	188.4	222.0	196.1	160.5	134.5	114.9	99.56	87.38	77.49	69.34	62.52	56.75
40	6.44	14.68	27.40	51.12	73.64	95.40	137.4	178.0	217.6	256.4	239.6	196.1	164.4	140.3	121.6	106.8	94.68	84.71	76.39	69.34
45	7.31	16.67	31.11	58.06	83.63	108.3	156.1	202.2	247.1	291.2	285.9	234.0	196.1	167.5	145.1	127.4	113.0	101.1	91.15	82.74
Lube	Type A	Type B				Type C														

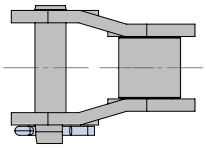
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

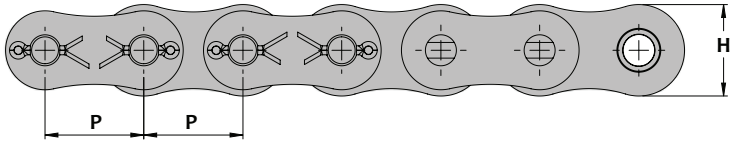
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

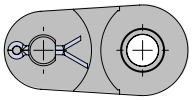
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

140 ASME/ANSI Roller Chain









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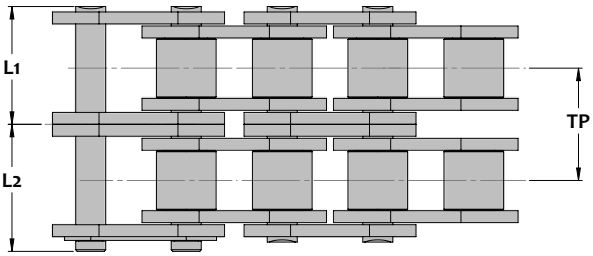
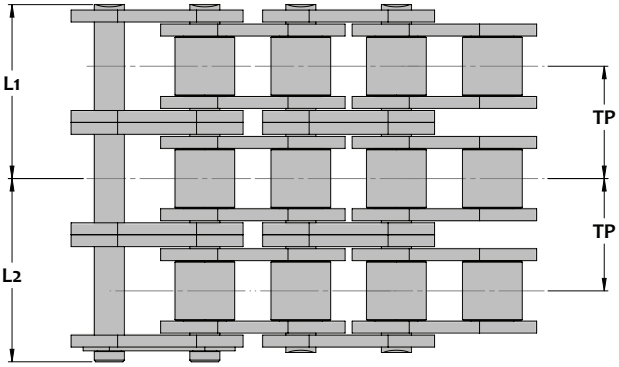




Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction	
									Cottered	Riveted
140	inch	1.750	1.000	1.000	0.500	0.220	1.610	70	Yes	Yes
	mm	44.45	25.40	25.40	12.70	5.6	40.9	116		

SENQCIA Chain Number	Units	Number of Strands	Pin Length				Transverse Pitch	Rated Working Load	Average Ultimate Strength	Average Chain Weight
			L1	L2	LR	LC	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
140	inch	1	1.06	1.23	2.13	2.30	-	11,750	48,600	4.97
	mm		27.0	31.3	54.0	58.3	-	5,340	22,090	7.41
140-2	inch	2	2.03	2.19	4.05	4.22	1.925	15,400	97,200	9.81
	mm		51.5	55.7	102.9	107.2	48.9	7,000	44,180	14.6
140-3	inch	3	2.99	3.17	5.97	6.15	1.925	22,700	145,800	14.7
	mm		75.9	80.4	151.7	156.3	48.9	10,320	66,275	21.9
140-4	inch	4	3.96	4.13	7.92	8.09	1.925	29,900	194,400	19.6
	mm		100.6	104.9	201.2	205.5	48.9	13,590	88,365	29.2
140-5	inch	5	4.93	5.09	9.85	10.02	1.925	35,400	243,000	24.4
	mm		125.1	129.3	250.1	254.4	48.9	16,090	110,455	36.5
140-6	inch	6	5.89	6.06	11.77	11.94	1.925	41,580	291,600	29.3
	mm		149.5	153.8	299.0	303.3	48.9	18,900	132,545	43.7

140 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200
9	2.67	6.09	11.34	21.18	30.50	39.52	48.30	56.92	65.39	73.73	75.24	64.24	55.68	48.86	38.78	31.74	26.60	22.71	19.69	17.28
10	2.99	6.81	12.71	23.73	34.17	44.28	54.12	63.77	73.26	82.61	88.12	75.24	65.21	57.24	45.42	37.17	31.15	26.60	23.06	20.24
11	3.31	7.55	14.09	26.30	37.88	49.08	59.99	70.68	81.21	91.58	101.7	86.80	75.24	66.03	52.40	42.88	35.94	30.68	26.60	23.35
12	3.63	8.30	15.48	28.89	41.61	53.91	65.90	77.65	89.21	100.6	111.8	98.90	85.72	75.24	59.71	48.86	40.95	34.96	30.31	26.60
13	3.97	9.05	16.88	31.50	45.38	58.78	71.85	84.66	97.27	109.7	121.9	111.5	96.66	84.84	67.32	55.11	46.18	39.42	34.17	29.99
14	4.29	9.80	18.28	34.13	49.16	63.67	77.84	91.72	105.4	118.8	132.1	124.6	108.0	94.81	75.24	61.58	51.61	44.06	38.19	33.53
15	4.62	10.56	19.71	36.76	52.95	68.61	83.86	98.81	113.5	128.0	142.3	138.2	119.8	105.1	83.45	68.30	57.24	48.86	42.36	37.17
16	4.96	11.31	21.13	39.41	56.77	73.55	89.91	106.0	121.7	137.3	152.6	152.3	132.0	115.8	91.92	75.24	63.06	53.83	46.66	40.95
17	5.29	12.09	22.55	42.08	60.62	78.53	95.99	113.1	129.9	146.5	162.9	166.8	144.5	126.9	100.7	82.40	69.05	58.95	51.10	44.85
18	5.63	12.86	23.98	44.76	64.48	83.53	102.1	120.3	138.2	155.9	173.3	181.7	157.5	138.2	109.7	89.77	75.24	64.24	55.68	48.86
19	5.98	13.63	25.43	47.45	68.35	88.55	108.2	127.6	146.5	165.2	183.7	197.0	170.8	149.9	119.0	97.36	81.60	69.66	60.39	52.99
20	6.31	14.41	26.88	50.16	72.25	93.59	114.4	134.8	154.9	174.7	194.2	212.8	184.5	161.9	128.5	105.1	88.12	75.24	65.21	57.24
21	6.66	15.19	28.34	52.87	76.15	98.66	120.6	142.1	163.3	184.1	204.7	225.1	198.5	174.2	138.2	113.1	94.81	80.95	70.16	61.58
22	7.00	15.97	29.80	55.59	80.08	103.7	126.8	149.4	171.7	193.6	215.2	236.6	212.8	186.8	148.2	121.3	101.7	86.80	75.24	66.03
23	7.35	16.76	31.26	58.32	84.02	108.8	133.1	156.8	180.1	203.1	225.8	248.3	227.5	199.6	158.4	129.7	108.7	92.79	80.43	70.58
24	7.69	17.53	32.73	61.07	87.98	114.0	139.3	164.2	188.6	212.7	236.4	260.0	242.5	212.8	168.9	138.2	115.8	98.90	85.72	75.24
25	8.03	18.32	34.21	63.82	91.93	119.1	145.6	171.6	197.1	222.3	247.1	271.7	257.8	226.2	179.5	146.9	123.2	105.1	91.14	79.99
26	8.38	19.13	35.68	66.58	95.91	124.3	151.9	179.0	205.6	231.9	257.8	283.4	273.4	239.9	190.4	155.8	130.6	111.5	96.66	84.84
28	9.08	20.71	38.66	72.13	103.9	134.6	164.5	193.9	222.7	251.2	279.3	400.9	305.5	268.2	212.8	174.2	146.0	124.6	108.0	94.81
30	9.79	22.32	41.65	77.72	111.9	145.0	177.3	208.9	240.0	270.6	300.9	330.8	338.9	297.4	236.0	193.2	161.9	138.2	119.8	105.1
32	10.50	23.93	44.65	83.32	120.0	155.5	190.1	224.0	257.3	290.2	322.6	354.7	373.3	327.6	260.0	212.8	178.3	152.3	132.0	115.8
35	11.55	26.37	49.20	91.80	132.2	171.3	209.4	246.7	283.4	319.7	355.4	390.7	425.7	374.8	297.4	243.4	204.0	174.2	151.0	132.5
40	13.35	30.46	56.82	106.0	152.7	197.9	241.9	285.0	327.4	369.2	410.5	451.4	491.8	457.9	363.4	297.4	249.2	212.8	184.5	161.9
45	15.16	34.58	64.53	120.4	173.4	224.7	274.7	323.7	371.8	419.3	466.2	512.6	558.5	546.4	433.6	354.9	297.4	253.9	220.1	193.2
Lube	Type A	Type B				Type C														

Kilowatt Capacity Table

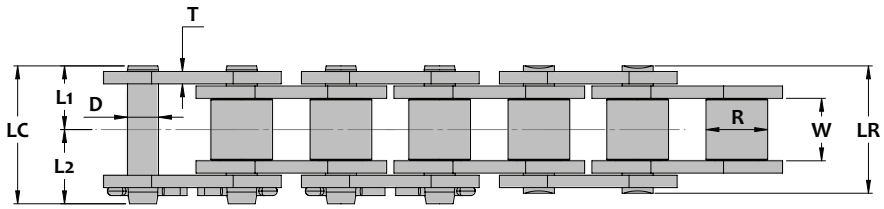
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200
9	1.99	4.54	8.46	15.80	22.75	29.48	36.03	42.46	48.78	55.00	56.13	47.92	41.54	36.45	28.93	23.68	19.84	16.94	14.69	12.89
10	2.23	5.08	9.48	17.70	25.49	33.03	40.37	47.57	54.65	61.63	65.74	56.13	48.65	42.70	33.88	27.73	23.24	19.84	17.20	15.10
11	2.47	5.63	10.51	19.62	28.26	36.61	44.75	52.73	60.58	68.32	75.84	64.75	56.13	49.26	39.09	31.99	26.81	22.89	19.84	17.42
12	2.71	6.19	11.55	21.55	31.04	40.22	49.16	57.93	66.55	75.05	83.44	73.78	63.95	56.13	44.54	36.45	30.55	26.08	22.61	19.84
13	2.96	6.75	12.59	23.50	33.85	43.85	53.60	63.16	72.56	81.82	90.97	83.19	72.11	63.29	50.22	41.11	34.45	29.41	25.49	22.37
14	3.20	7.31	13.64	25.46	36.67	47.50	58.07	68.42	78.60	88.64	98.55	92.97	80.59	70.73	56.13	45.94	38.50	32.87	28.49	25.01
15	3.45	7.88	14.70	27.42	39.50	51.18	62.56	73.71	84.68	95.50	106.2	103.1	89.37	78.44	62.25	50.95	42.70	36.45	31.60	27.73
16	3.70	8.44	15.76	29.40	42.35	54.87	67.07	79.04	90.80	102.4	113.8	113.6	98.46	86.41	68.57	56.13	47.04	40.16	34.81	30.55
17	3.95	9.02	16.82	31.39	45.22	58.58	71.61	84.38	96.94	109.3	121.5	124.4	107.8	94.64	75.10	61.47	51.51	43.98	38.12	33.46
18	4.20	9.59	17.89	33.39	48.10	62.31	76.17	89.76	103.1	116.3	129.3	135.5	117.5	103.1	81.82	66.97	56.13	47.92	41.54	36.45
19	4.46	10.17	18.97	35.40	50.99	66.06	80.75	95.19	109.3	123.3	137.1	147.0	127.4	111.8	88.74	72.63	60.87	51.97	45.05	39.53
20	4.71	10.75	20.05	37.42	53.90	69.82	85.35	100.6	115.5	130.3	144.9	158.8	137.6	120.8	95.83	78.44	65.74	56.13	48.65	42.70
21	4.97	11.33	21.14	39.44	56.81	73.60	89.97	106.0	121.8	137.3	152.7	167.9	148.1	129.9	103.1	84.39	70.73	60.39	52.34	45.94
22	5.22	11.91	22.23	41.47	59.74	77.39	94.61	111.5	128.1	144.4	160.6	176.5	158.8	139.3	110.6	90.49	75.84	64.75	56.13	49.26
23	5.48	12.50	23.32	43.51	62.68	81.20	99.26	117.0	134.4	151.5	168.5	185.2	169.7	148.9	118.2	96.73	81.07	69.22	60.00	52.65
24	5.74	13.08	24.42	45.56	65.63	85.02	103.9	122.5	140.7	158.7	176.4	193.9	180.9	158.8	126.0	103.1	86.41	73.78	63.95	56.13
25	5.99	13.67	25.52	47.61	68.58	88.85	108.6	128.0	147.0	165.8	184.3	202.7	192.3	168.8	133.9	109.6	91.87	78.44	67.99	59.67
26	6.25	14.27	26.62	49.67	71.55	92.70	113.3	133.5	153.4	173.0	192.3	211.5	204.0	179.0	142.1	116.3	97.43	83.19	72.11	63.29
28	6.77	15.45	28.84	53.81	77.51	100.4	122.8	144.6	166.2	187.4	208.3	299.1	227.9	200.1	158.8	129.9	108.9	92.97	80.59	70.73
30	7.30	16.65	31.07	57.98	83.51	108.2	132.3	155.8	179.0	201.9	224.5	246.8	252.8	221.9	176.1	144.1	120.8	103.1	89.37	78.44
32	7.83	17.85	33.31	62.16	89.54	116.0	141.8	167.1	192.0	216.5	240.7	264.6	278.5	244.4	194.0	158.8	133.0	113.6	98.46	86.41
35	8.62	19.67	36.70	68.48	98.64	127.8	156.2	184.1	211.5	238.5	265.1	291.5	317.6	279.6	221.9	181.6	152.2	129.9	112.6	98.84
40	9.96	22.72	42.39	79.10	113.9	147.6	180.4	212.6	244.3	275.5	306.3	336.7	366.9	341.6	271.1	221.9	185.9	158.8	137.6	120.8
45	11.31	25.80	48.14	89.83	129.4	167.6	204.9	241.5	277.4	312.8	347.8	382.4	416.6	407.6	323.4	264.7	221.9	189.4	164.2	144.1
Lube	Type A	Type B				Type C														

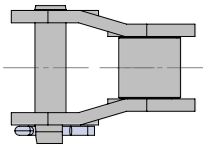
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

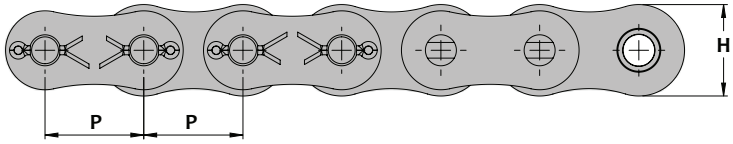
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

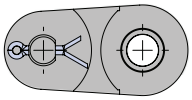
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

160 ASME/ANSI Roller Chain

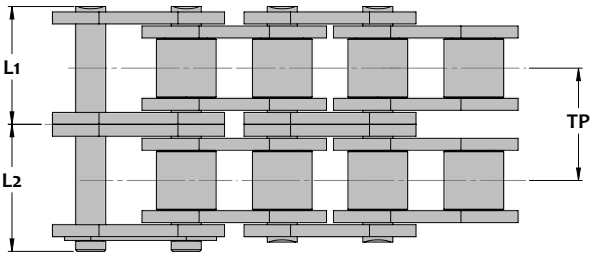


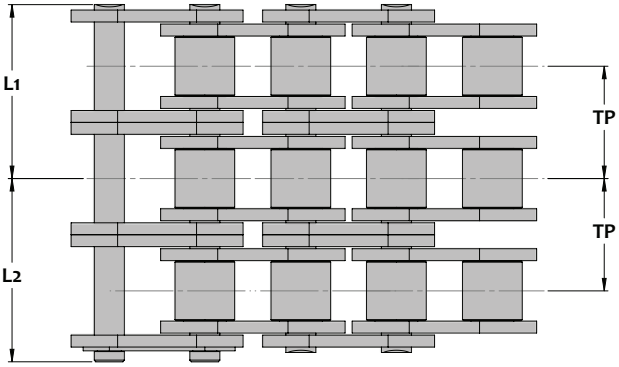






Offset Link





Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction	
									Cottered	Riveted
160	inch	2.000	1.250	1.125	0.562	0.250	1.839	60	Yes	Yes
	mm	50.80	31.75	28.58	14.28	6.4	46.7	98		

Pin Lengths and Chain Ratings

SENQCIA Chain Number	Units	Number of Strands	Pin Length L1	Pin Length L2	Pin Length LR	Pin Length LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
160	inch	1	1.27	1.44	2.53	2.70	-	15,500	63,000	6.56
	mm		32.2	36.5	64.3	68.7	-	7,045	28,635	9.79
160-2	inch	2	2.42	2.59	4.83	5.01	2.303	20,250	126,000	13.0
	mm		61.4	65.8	122.8	127.2	58.50	9,205	57,275	19.5
160-3	inch	3	3.57	3.74	7.14	7.31	2.303	29,900	189,000	19.6
	mm		90.7	95.0	181.3	185.7	58.50	13,590	85,910	29.2
160-4	inch	4	4.73	4.90	9.46	9.63	2.303	39,300	252,000	26.0
	mm		120.2	124.5	240.3	244.7	58.50	17,865	114,545	38.8
160-5	inch	5	5.88	6.06	11.76	11.94	2.303	46,500	315,000	32.5
	mm		149.4	153.9	298.8	303.3	58.50	21,135	143,180	48.4
160-6	inch	6	7.04	7.20	14.07	14.24	2.303	54,800	378,000	38.9
	mm		178.7	183.0	357.4	361.7	58.50	24,910	171,820	58.1

160 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
9	3.87	8.82	16.46	30.72	44.25	57.32	70.07	82.57	94.85	99.89	83.71	71.47	61.96	54.37	48.23	43.15	38.91	35.32	32.25	29.60
10	4.33	9.88	18.45	34.42	49.58	64.24	78.51	92.52	106.3	117.0	98.06	83.71	72.56	63.69	56.47	50.54	45.58	41.37	37.77	34.66
11	4.80	10.95	20.44	38.15	54.96	71.19	87.04	102.5	117.8	132.9	113.1	96.58	83.71	73.47	65.16	58.31	52.57	47.72	43.58	40.00
12	5.28	12.04	22.47	41.92	60.38	78.22	95.60	112.7	129.4	146.0	128.9	110.1	95.39	83.71	74.25	66.43	59.91	54.37	49.65	45.58
13	5.75	13.12	24.49	45.70	65.82	85.27	104.2	122.8	141.1	159.1	145.3	124.1	107.6	94.40	83.71	74.91	67.55	61.31	55.98	51.38
14	6.23	14.22	26.53	49.50	71.30	92.37	112.9	133.1	152.9	172.4	162.5	138.7	120.2	105.5	93.57	83.71	75.48	68.53	62.56	57.43
15	6.72	15.32	28.58	53.34	76.82	99.53	121.7	143.4	164.7	185.7	180.2	153.8	133.3	117.0	103.8	92.84	83.71	75.99	69.38	63.69
16	7.20	16.42	30.64	57.18	82.37	106.7	130.4	153.7	176.5	199.1	198.4	169.4	146.9	128.9	114.3	102.3	92.23	83.71	76.43	70.16
17	7.68	17.53	32.72	61.06	87.94	113.9	139.3	164.1	188.5	212.6	217.3	185.5	160.9	141.2	125.2	112.0	101.0	91.69	83.71	76.84
18	8.18	18.65	34.80	64.95	93.54	121.2	148.1	174.5	200.5	226.1	236.7	202.1	175.2	153.8	136.5	122.1	110.1	99.89	91.21	83.71
19	8.67	19.77	36.89	68.85	99.17	128.5	157.1	185.0	212.6	239.7	256.8	219.3	190.1	166.8	147.9	132.4	119.3	108.3	98.91	90.79
20	9.16	20.90	38.99	72.76	104.8	135.8	166.0	195.6	224.7	253.4	277.3	236.7	205.2	180.2	159.8	142.9	128.9	117.0	106.8	98.06
21	9.65	22.02	41.10	76.70	110.5	143.1	174.9	206.2	236.9	267.2	296.9	254.8	220.8	193.8	171.8	153.8	138.7	125.9	114.9	105.5
22	10.15	23.16	43.22	80.66	116.2	150.5	184.0	216.8	249.1	280.8	312.3	273.2	236.7	207.8	184.3	164.9	148.7	135.0	123.2	113.1
23	10.66	24.30	45.35	84.62	121.9	157.9	193.0	227.5	261.3	294.6	327.6	292.0	253.1	222.1	197.1	176.3	159.0	144.2	131.7	120.9
24	11.15	25.44	47.48	88.61	127.6	165.3	202.1	238.2	273.6	308.6	343.0	311.3	269.8	236.7	210.1	187.9	169.4	153.8	140.5	128.9
25	11.66	26.60	49.62	92.60	133.4	172.8	211.3	248.9	285.9	322.4	358.4	331.0	286.9	251.7	223.3	199.7	180.2	163.5	149.3	137.0
26	12.16	27.75	51.77	96.61	139.1	180.3	220.4	259.7	298.3	336.5	374.0	350.9	304.2	267.0	236.7	211.9	191.0	173.5	158.3	145.3
28	13.18	30.05	56.09	104.7	150.7	195.3	238.7	281.2	323.2	364.5	405.2	392.2	339.9	298.4	264.6	236.7	213.5	193.8	176.9	162.5
30	14.20	32.37	60.42	112.7	162.4	210.5	257.2	303.1	348.1	392.6	436.5	435.0	377.1	331.0	293.4	262.6	236.7	214.9	196.2	180.2
32	15.21	34.72	64.79	120.9	174.1	225.6	275.7	324.9	373.3	420.9	468.1	479.2	415.4	364.6	323.3	289.3	260.9	236.7	216.2	198.4
35	16.77	38.24	71.37	133.2	191.8	248.5	303.8	357.9	411.3	463.7	515.5	548.1	475.2	417.0	369.8	331.0	298.4	270.9	247.3	226.9
40	19.37	44.18	82.44	153.8	221.6	287.0	350.9	413.5	475.1	535.7	595.6	654.8	580.6	509.5	451.9	404.3	364.6	331.0	302.1	277.3
45	22.00	50.17	93.62	174.7	251.6	326.0	398.5	469.6	539.4	608.3	676.4	743.7	692.8	607.9	539.1	482.4	435.0	394.9	360.6	331.0
Lube	Type A	Type B			Type C															

Kilowatt Capacity Table

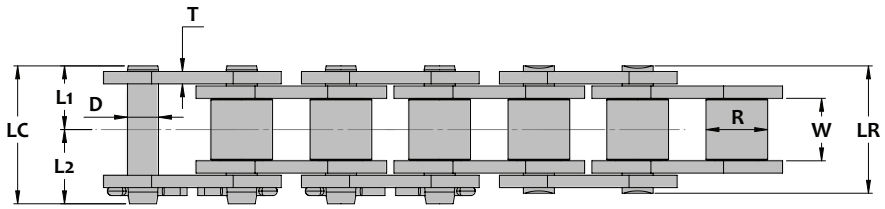
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
9	2.89	6.58	12.28	22.92	33.01	42.76	52.27	61.60	70.76	74.52	62.45	53.32	46.22	40.56	35.98	32.19	29.03	26.35	24.06	22.08
10	3.23	7.37	13.76	25.68	36.99	47.92	58.57	69.02	79.29	87.28	73.15	62.45	54.13	47.51	42.13	37.70	34.00	30.86	28.18	25.86
11	3.58	8.17	15.25	28.46	41.00	53.11	64.93	76.50	87.89	99.11	84.39	72.05	62.45	54.81	48.61	43.50	39.22	35.60	32.51	29.84
12	3.94	8.98	16.76	31.27	45.04	58.35	71.32	84.04	96.55	108.9	96.15	82.10	71.16	62.45	55.39	49.56	44.69	40.56	37.04	34.00
13	4.29	9.79	18.27	34.09	49.10	63.61	77.76	91.63	105.3	118.7	108.4	92.57	80.24	70.42	62.45	55.88	50.39	45.74	41.76	38.33
14	4.65	10.61	19.79	36.93	53.19	68.91	84.24	99.26	114.0	128.6	121.2	103.5	89.67	78.70	69.80	62.45	56.31	51.12	46.67	42.84
15	5.01	11.43	21.32	39.79	57.31	74.25	90.76	106.9	122.9	138.5	134.4	114.7	99.45	87.28	77.41	69.26	62.45	56.69	51.76	47.51
16	5.37	12.25	22.86	42.66	61.45	79.61	97.31	114.7	131.7	148.5	148.0	126.4	109.6	96.15	85.27	76.30	68.80	62.45	57.02	52.34
17	5.73	13.08	24.41	45.55	65.60	84.99	103.9	122.4	140.6	158.6	162.1	138.4	120.0	105.3	93.39	83.57	75.35	68.40	62.45	57.32
18	6.10	13.91	25.96	48.45	69.78	90.40	110.5	130.2	149.6	168.7	176.6	150.8	130.7	114.7	101.8	91.05	82.10	74.52	68.04	62.45
19	6.47	14.75	27.52	51.36	73.98	95.84	117.2	138.0	158.6	178.8	191.6	163.6	141.8	124.4	110.3	98.74	89.03	80.82	73.79	67.73
20	6.83	15.59	29.09	54.28	78.19	101.3	123.8	145.9	167.6	189.0	206.9	176.6	153.1	134.4	119.2	106.6	96.15	87.28	79.69	73.15
21	7.20	16.43	30.66	57.22	82.42	106.8	130.5	153.8	176.7	199.3	221.5	190.1	164.7	144.6	128.2	114.7	103.5	93.91	85.75	78.70
22	7.57	17.28	32.24	60.17	86.67	112.3	137.3	161.7	185.8	209.5	233.0	203.8	176.6	155.0	137.5	123.0	110.9	100.7	91.94	84.39
23	7.95	18.13	33.83	63.13	90.93	117.8	144.0	169.7	194.9	219.8	244.4	217.8	188.8	165.7	147.0	131.5	118.6	107.6	98.28	90.21
24	8.32	18.98	35.42	66.10	95.21	123.3	150.8	177.7	204.1	230.2	255.9	232.2	201.3	176.6	156.7	140.2	126.4	114.7	104.8	96.15
25	8.70	19.84	37.02	69.08	99.50	128.9	157.6	185.7	213.3	240.5	267.4	246.9	214.0	187.8	166.6	149.0	134.4	122.0	111.4	102.2
26	9.07	20.70	38.62	72.07	103.8	134.5	164.4	193.7	222.5	251.0	279.0	261.8	226.9	199.2	176.6	158.1	142.5	129.4	118.1	108.4
28	9.83	22.42	41.84	78.07	112.5	145.7	178.1	209.8	241.1	271.9	302.3	292.6	253.6	222.6	197.4	176.6	159.3	144.6	132.0	121.2
30	10.59	24.15	45.07	84.11	121.2	157.0	191.9	226.1	259.7	292.9	325.6	324.5	281.3	246.9	218.9	195.9	176.6	160.3	146.4	134.4
32	11.35	25.90	48.33	90.18	129.9	168.3	205.7	242.4	278.5	314.0	349.2	357.5	309.9	272.0	241.2	215.8	194.6	176.6	161.3	148.0
35	12.51	28.53	53.24	99.35	143.1	185.4	226.6	267.0	306.8	345.9	384.6	408.9	354.5	311.1	275.9	246.9	222.6	202.1	184.5	169.3
40	14.45	32.96	61.50	114.8	165.3	214.1	261.8	308.5	354.4	399.6	444.3	488.5	433.1	380.1	337.1	301.6	272.0	246.9	225.4	206.9
45	16.41	37.43	69.84	130.3	187.7	243.2	297.3	350.3	402.4	453.8	504.6	554.8	516.8	453.5	402.2	359.9	324.5	294.6	269.0	246.9
Lube	Type A	Type B			Type C															

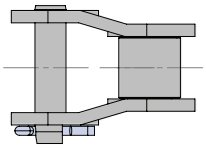
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

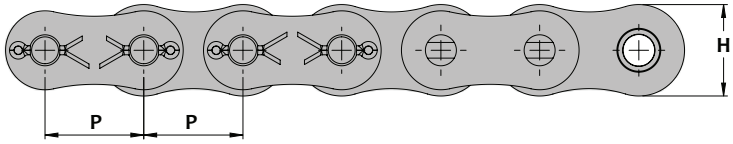
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

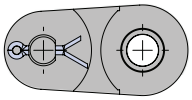
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

180 ASME/ANSI Roller Chain









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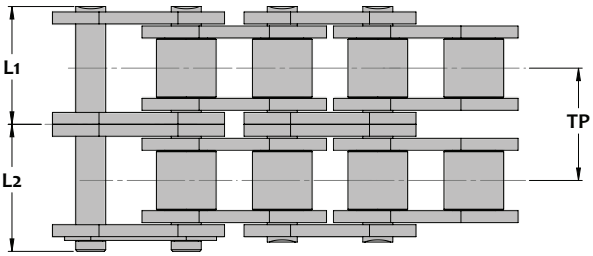
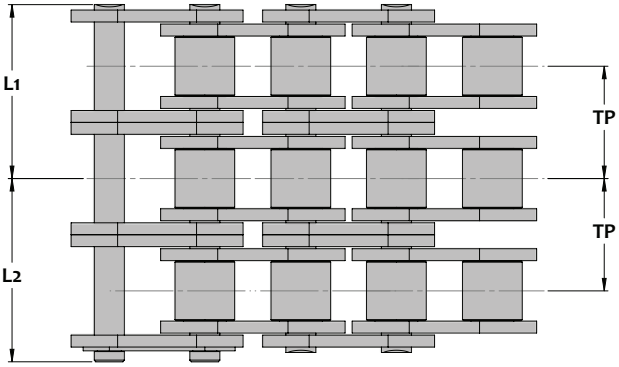




Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions: Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction: Cottered	Available Construction: Riveted
180	inch	2.250	1.406	1.406	0.687	0.283	2.067	54	Yes	Yes
	mm	57.15	35.70	35.70	17.45	7.2	52.5	90		

SENQCIA Chain Number	Units	Number of Strands	Pin Lengths and Chain Ratings: Pin Length L1	Pin Length L2	Pin Length LR	Pin Length LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
180	inch	1	1.43	1.66	2.85	3.09	-	17,750	81,500	8.98
	mm		36.3	42.1	72.5	78.4	-	8,070	37,045	13.4
180-2	inch	2	2.72	2.95	5.44	5.67	2.591	23,300	163,000	17.9
	mm		69.1	74.9	138.2	144.0	65.8	10,590	74,090	26.6
180-3	inch	3	4.03	4.25	8.05	8.28	2.591	34,400	244,500	26.7
	mm		102.3	107.9	204.5	210.2	65.8	15,590	111,135	39.9
180-4	inch	4	5.32	5.54	10.64	10.86	2.591	45,200	326,000	35.6
	mm		135.1	140.8	270.2	275.9	65.8	20,545	148,180	53.1
180-5	inch	5	6.83	6.84	13.23	13.45	2.591	53,310	407,500	44.5
	mm		173.6	173.7	336.0	341.6	65.8	24,230	185,225	66.3
180-6	inch	6	7.91	8.13	15.82	16.04	2.591	62,900	489,000	53.3
	mm		200.9	206.4	401.8	407.3	65.8	28,590	222,275	79.5

180 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
9	5.21	11.89	22.18	41.39	59.62	77.25	94.44	111.3	127.8	109.8	91.98	78.54	68.08	59.75	52.99	47.41	42.75	38.81	35.43	32.52
10	5.84	13.32	24.85	46.39	66.82	86.57	105.8	124.7	143.2	128.6	107.7	91.98	79.73	69.97	62.06	55.54	50.07	45.46	41.50	38.10
11	6.47	14.77	27.56	51.42	74.06	95.95	117.3	138.2	158.8	148.3	124.3	106.1	91.98	80.74	71.60	64.06	57.77	52.44	47.88	43.94
12	7.10	16.22	30.27	56.49	81.35	105.4	128.8	151.8	174.4	169.0	141.7	120.9	104.8	91.98	81.58	73.00	65.82	59.75	54.56	50.07
13	7.75	17.68	33.00	61.58	88.70	114.9	140.5	165.5	190.2	190.6	159.7	136.3	118.2	103.7	91.98	82.31	74.22	67.37	61.51	56.46
14	8.40	19.16	35.75	66.72	96.10	124.5	152.2	179.4	206.0	213.0	178.4	152.4	132.1	115.9	102.8	91.98	82.95	75.29	68.75	63.10
15	9.05	20.64	38.51	71.88	103.5	134.1	163.9	193.2	222.0	236.2	198.0	169.0	146.5	128.6	114.0	102.0	91.98	83.50	76.25	69.97
16	9.71	22.13	41.30	77.06	111.0	143.8	175.7	207.1	237.9	260.2	218.1	186.2	161.4	141.7	125.6	112.4	101.3	91.98	83.99	77.09
17	10.36	23.63	44.09	82.28	118.5	153.5	187.7	221.2	254.0	285.0	238.9	203.9	176.7	155.1	137.5	123.1	111.0	100.8	91.98	84.44
18	11.02	25.13	46.90	87.52	126.1	163.3	199.6	235.3	270.2	304.8	260.2	222.1	192.5	169.0	149.9	134.0	120.9	109.8	100.2	91.98
19	11.68	26.65	49.72	92.79	133.6	173.2	211.7	249.3	286.5	323.1	282.2	240.9	208.8	183.2	162.6	145.4	131.1	119.0	108.7	99.76
20	12.35	28.16	52.55	98.07	141.3	183.0	223.7	263.5	302.8	341.4	304.7	260.2	225.5	198.0	175.6	157.1	141.7	128.6	117.4	107.7
21	13.02	29.69	55.40	103.4	148.9	192.9	235.8	277.9	319.2	359.9	327.9	279.9	242.6	213.0	188.9	169.0	152.4	138.3	126.3	115.9
22	13.69	31.22	58.24	108.7	156.6	202.8	248.0	292.2	335.7	378.6	351.6	300.1	260.2	228.3	202.5	181.2	163.4	148.3	135.4	124.3
23	14.36	32.75	61.11	114.0	164.2	212.9	260.2	306.6	352.1	397.2	375.9	320.9	278.2	244.1	216.5	193.7	174.7	158.6	144.8	132.9
24	15.03	34.29	63.99	119.4	172.0	222.8	272.4	320.9	368.8	415.8	400.5	342.1	296.5	260.2	230.7	206.4	186.2	169.0	154.3	141.7
25	15.71	35.83	66.88	124.8	179.8	232.8	284.7	335.4	385.4	434.6	425.9	363.7	315.1	276.7	245.3	219.6	198.0	179.6	164.1	150.5
26	16.39	37.39	69.77	130.2	187.5	242.9	296.9	350.0	402.0	453.4	451.7	385.7	334.3	293.4	260.2	232.8	209.9	190.6	174.0	159.7
28	17.76	40.51	75.58	141.0	203.2	263.1	321.7	379.1	435.5	491.2	504.8	431.0	373.6	327.9	290.8	260.2	234.6	213.0	194.5	178.4
30	19.13	43.63	81.43	151.9	218.9	283.5	346.6	408.4	469.2	529.1	559.8	478.0	414.3	363.7	322.5	288.6	260.2	236.2	215.7	198.0
32	20.51	46.78	87.31	162.9	234.7	304.0	371.6	437.9	503.1	567.3	616.8	526.5	456.4	400.5	355.2	317.8	286.6	260.2	237.5	218.1
35	22.60	51.54	96.18	179.5	258.6	334.9	409.4	482.4	554.2	624.9	694.9	602.3	522.1	458.2	406.4	363.7	327.9	297.6	271.7	249.5
40	26.10	59.53	111.1	207.4	298.7	386.9	472.9	557.2	640.2	722.0	802.7	735.9	637.9	559.8	496.5	444.2	400.5	363.7	332.0	304.7
45	29.64	67.61	126.2	235.4	339.1	439.4	537.0	632.8	726.9	819.8	911.5	878.2	761.1	668.0	592.5	530.2	478.0	433.9	396.1	363.7
Lube	Type A	Type B			Type C															

Kilowatt Capacity Table

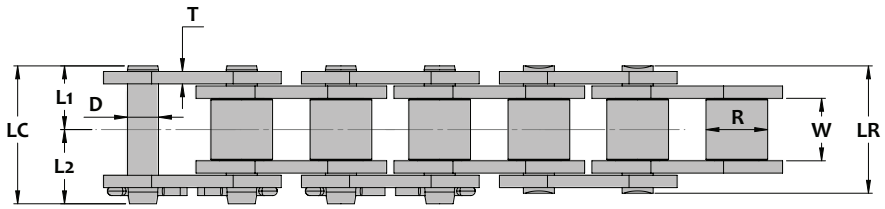
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	10	25	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900
9	3.89	8.87	16.55	30.88	44.48	57.63	70.45	83.01	95.37	81.89	68.62	58.59	50.79	44.57	39.53	35.37	31.89	28.95	26.43	24.26
10	4.36	9.94	18.54	34.61	49.85	64.58	78.94	93.02	106.9	95.91	80.37	68.62	59.48	52.20	46.30	41.43	37.35	33.91	30.96	28.42
11	4.83	11.02	20.56	38.36	55.25	71.58	87.50	103.1	118.4	110.6	92.73	79.17	68.62	60.23	53.41	47.79	43.10	39.12	35.72	32.78
12	5.30	12.10	22.58	42.14	60.69	78.63	96.12	113.3	130.1	126.1	105.7	90.21	78.19	68.62	60.86	54.46	49.10	44.57	40.70	37.35
13	5.78	13.19	24.62	45.94	66.17	85.73	104.8	123.5	141.9	142.2	119.1	101.7	88.17	77.38	68.62	61.40	55.37	50.26	45.89	42.12
14	6.27	14.29	26.67	49.77	71.69	92.87	113.5	133.8	153.7	158.9	133.1	113.7	98.53	86.48	76.69	68.62	61.88	56.17	51.29	47.07
15	6.75	15.40	28.73	53.62	77.23	100.1	122.3	144.1	165.6	176.2	147.7	126.1	109.3	95.91	85.06	76.11	68.62	62.29	56.88	52.20
16	7.24	16.51	30.81	57.49	82.81	107.3	131.1	154.5	177.5	194.1	162.7	138.9	120.4	105.7	93.70	83.84	75.60	68.62	62.66	57.51
17	7.73	17.63	32.89	61.38	88.41	114.5	140.0	165.0	189.5	212.6	178.2	152.1	131.8	115.7	102.6	91.82	82.80	75.16	68.62	62.99
18	8.22	18.75	34.99	65.29	94.04	121.8	148.9	175.5	201.6	227.4	194.1	165.7	143.6	126.1	111.8	100.0	90.21	81.89	74.77	68.62
19	8.71	19.88	37.09	69.22	99.70	129.2	157.9	186.0	213.7	241.0	210.5	179.7	155.8	136.7	121.3	108.5	97.83	88.80	81.08	74.42
20	9.21	21.01	39.20	73.16	105.4	136.5	166.9	196.6	225.9	254.7	227.3	194.1	168.2	147.7	131.0	117.2	105.7	95.91	87.57	80.37
21	9.71	22.15	41.33	77.12	111.1	143.9	175.9	207.3	238.1	268.5	244.6	208.8	181.0	158.9	140.9	126.1	113.7	103.2	94.22	86.48
22	10.21	23.29	43.45	81.09	116.8	151.3	185.0	218.0	250.4	282.4	262.3	223.9	194.1	170.3	151.1	135.2	121.9	110.6	101.0	92.73
23	10.71	24.43	45.59	85.08	122.5	158.8	194.1	228.7	262.7	296.3	280.4	239.4	207.5	182.1	161.5	144.5	130.3	118.3	108.0	99.12
24	11.21	25.58	47.74	89.08	128.3	166.2	203.2	239.4	275.1	310.2	298.8	255.2	221.2	194.1	172.1	154.0	138.9	126.1	115.1	105.7
25	11.72	26.73	49.89	93.09	134.1	173.7	212.4	250.2	287.5	324.2	317.7	271.3	235.1	206.4	183.0	163.8	147.7	134.0	122.4	112.3
26	12.23	27.89	52.05	97.12	139.9	181.2	221.5	261.1	299.9	338.2	337.0	287.7	249.4	218.9	194.1	173.7	156.6	142.2	129.8	119.1
28	13.25	30.22	56.38	105.2	151.6	196.3	240.0	282.8	324.9	366.4	376.6	321.5	278.7	244.6	216.9	194.1	175.0	158.9	145.1	133.1
30	14.27	32.55	60.75	113.4	163.3	211.5	258.6	304.7	350.0	394.7	417.6	356.6	309.1	271.3	240.6	215.3	194.1	176.2	160.9	147.7
32	15.30	34.90	65.13	121.5	175.1	226.8	277.2	326.7	375.3	423.2	460.1	392.8	340.5	298.8	265.0	237.1	213.8	194.1	177.2	162.7
35	16.86	38.45	71.75	133.9	192.9	249.8	305.4	359.9	413.4	466.2	518.4	449.3	389.5	341.8	303.2	271.3	244.6	222.0	202.7	186.1
40	19.47	44.41	82.88	154.7	222.8	288.6	352.8	415.7	477.6	538.6	598.8	549.0	475.9	417.6	370.4	331.4	298.8	271.3	247.7	227.3
45	22.11	50.44	94.12	175.6	253.0	327.8	400.6	472.1	542.3	611.6	680.0	655.1	567.8	498.3	442.0	395.5	356.6	323.7	295.5	271.3
Lube	Type A	Type B			Type C															

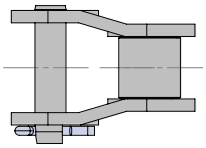
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

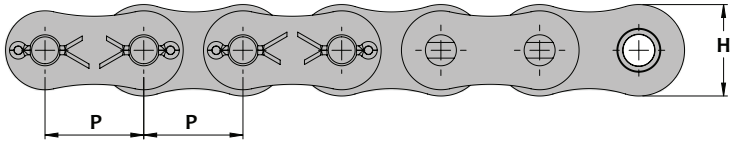
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

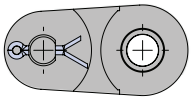
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

200 ASME/ANSI Roller Chain









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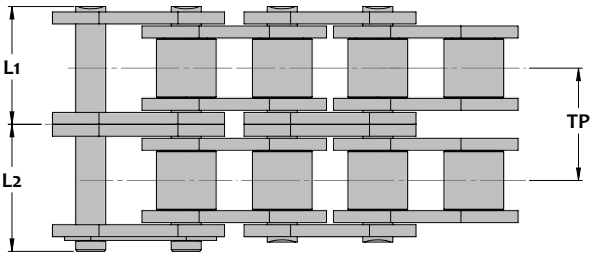
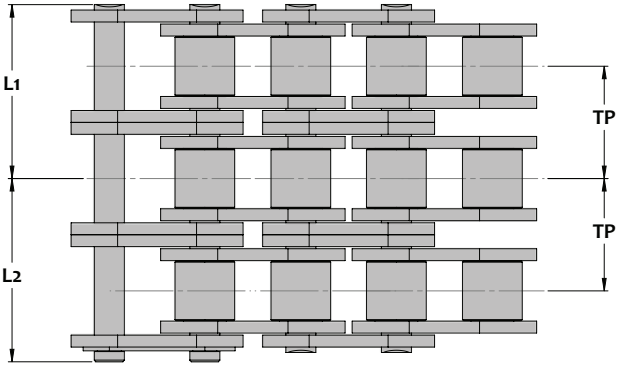




Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction	
									Cottered	Riveted
200	inch	2.500	1.500	1.562	0.781	0.315	2.354	48	Yes	Yes
	mm	63.50	38.10	39.67	19.83	8.0	59.8	80		

SENQCIA Chain Number	Units	Number of Strands	Pin Length L1	Pin Length L2	Pin Length LR	Pin Length LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
200	inch	1	1.55	1.88	3.09	3.43	-	20,900	105,000	11.4
	mm		39.3	47.7	78.5	87.0	-	9,500	47,725	16.9
200-2	inch	2	2.96	3.29	5.91	6.25	2.819	27,430	210,000	22.6
	mm		75.1	83.6	150.2	158.7	71.6	12,470	95,455	33.7
200-3	inch	3	4.37	4.70	8.73	9.06	2.819	40,240	315,000	33.9
	mm		110.9	119.3	221.7	230.2	71.6	18,290	143,180	50.5
200-4	inch	4	5.78	6.13	11.55	11.91	2.819	53,100	420,000	45.2
	mm		146.7	155.7	293.3	302.4	71.6	24,135	190,910	67.3
200-5	inch	5	7.20	7.53	14.39	14.72	2.819	62,750	525,000	56.4
	mm		182.8	191.2	365.5	374.0	71.6	28,525	238,635	84.1
200-6	inch	6	8.61	8.94	17.21	17.54	2.819	74,000	630,000	67.7
	mm		218.6	227.0	437.1	445.6	71.6	15,000	286,365	100.9

200 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																		
	10	15	20	30	40	50	70	100	150	200	250	300	350	400	450	500	550	600	650
9	6.53	9.40	12.17	17.53	22.71	27.76	37.59	51.81	74.62	96.69	118.2	139.3	145.8	119.4	100.1	85.46	74.06	65.00	57.65
10	7.31	10.52	13.63	19.65	25.46	31.11	42.12	58.06	83.62	108.3	132.4	156.0	170.9	139.8	117.2	100.1	86.74	76.14	67.52
11	8.10	11.68	15.12	21.77	28.20	34.49	46.68	64.36	92.69	120.1	146.8	172.9	197.2	161.4	135.3	115.5	100.1	87.83	77.90
12	8.90	12.82	16.61	23.91	30.99	37.88	51.29	70.70	101.8	131.9	161.3	189.9	218.2	183.9	154.0	131.6	114.0	100.1	
13	9.71	13.98	18.11	26.09	33.79	41.30	55.91	77.08	111.0	143.8	175.9	207.1	237.9	207.4	173.7	148.4	128.6	112.8	
14	10.51	15.15	19.61	28.26	36.61	44.75	60.56	83.50	120.3	155.8	190.5	224.4	257.8	231.6	194.1	165.8	143.7	126.1	
15	11.33	16.31	21.13	30.44	39.44	48.20	65.25	89.96	129.6	167.8	205.2	241.8	277.7	257.0	215.3	183.9	159.4	139.8	
16	12.14	17.49	22.65	32.64	42.28	51.69	69.96	96.45	138.9	180.0	220.0	259.2	297.9	283.1	237.3	202.5	175.6	154.0	
17	12.96	18.67	24.20	34.84	45.15	55.19	74.71	103.0	148.3	192.2	234.9	276.8	318.0	310.1	259.8	221.8	192.2	168.8	
18	13.79	19.87	25.74	37.06	48.02	58.70	79.45	109.5	157.8	204.4	249.9	294.4	338.2	337.8	283.1	241.7	209.5	183.9	
19	14.62	21.06	27.28	39.29	50.90	62.23	84.24	116.1	167.3	216.6	264.9	312.1	358.6	366.4	307.0	262.1	227.2	199.3	
20	15.46	22.25	28.83	41.53	53.81	65.78	89.03	122.7	176.8	229.1	280.0	329.9	379.0	395.6	331.5	283.1	245.3		
21	16.29	23.46	30.39	43.78	56.72	69.33	93.85	129.4	186.3	241.4	295.2	347.7	399.5	425.6	356.7	304.6	263.9		
22	17.13	24.66	31.96	46.03	59.64	72.90	98.69	136.0	196.0	253.9	310.3	365.7	420.1	456.4	382.4	326.5	283.1		
23	17.96	25.88	33.53	48.30	62.57	76.49	103.5	142.7	205.6	266.4	325.6	383.6	440.8	487.8	408.8	349.1	342.8		
24	18.82	27.10	35.11	50.56	65.51	80.08	108.4	149.4	215.3	278.8	340.9	401.7	461.5	520.0	435.8	372.1	322.5		
25	19.66	28.32	36.69	52.84	68.47	83.70	113.3	156.2	224.9	291.4	356.3	419.8	482.3	543.8	463.3	395.6	342.9		
26	20.51	29.54	38.28	55.13	71.43	87.32	118.2	163.0	234.7	304.0	371.7	437.9	503.1	567.4	491.4	419.6	363.7		
Lube	Type A		Type B							Type C									

Kilowatt Capacity Table

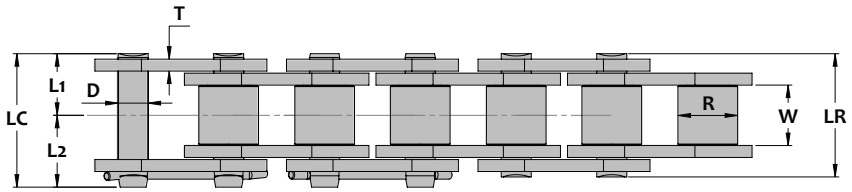
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																		
	10	15	20	30	40	50	70	100	150	200	250	300	350	400	450	500	550	600	650
9	4.87	7.01	9.08	13.08	16.94	20.71	28.04	38.65	55.67	72.13	88.17	103.9	108.8	89.09	74.66	63.75	55.25	48.49	43.01
10	5.45	7.85	10.17	14.66	18.99	23.21	31.42	43.31	62.38	80.82	98.79	116.4	127.5	104.3	87.44	74.66	64.71	56.80	50.37
11	6.04	8.71	11.28	16.24	21.04	25.73	34.82	48.01	69.15	89.58	109.5	129.0	147.1	120.4	100.9	86.13	74.66	65.52	58.11
12	6.64	9.56	12.39	17.84	23.12	28.26	38.26	52.74	75.96	98.41	120.3	141.7	162.8	137.2	114.9	98.14	85.07	74.66	
13	7.24	10.43	13.51	19.46	25.21	30.81	41.71	57.50	82.82	107.3	131.2	154.5	177.5	154.7	129.6	110.7	95.92	84.18	
14	7.84	11.30	14.63	21.08	27.31	33.38	45.18	62.29	89.72	116.2	142.1	167.4	192.3	172.8	144.8	123.7	107.2	94.08	
15	8.45	12.17	15.76	22.71	29.42	35.96	48.68	67.11	96.66	125.2	153.1	180.4	207.2	191.7	160.6	137.2	118.9	104.3	
16	9.06	13.05	16.90	24.35	31.54	38.56	52.19	71.95	103.6	134.3	164.1	193.4	222.2	211.2	177.0	151.1	131.0	114.9	
17	9.67	13.93	18.05	25.99	33.68	41.17	55.73	76.82	110.7	143.4	175.2	206.5	237.2	231.3	193.8	165.5	143.4	125.9	
18	10.29	14.82	19.20	27.65	35.82	43.79	59.27	81.71	117.7	152.5	186.4	219.6	252.3	252.0	211.2	180.3	156.3	137.2	
19	10.91	15.71	20.35	29.31	37.97	46.42	62.84	86.62	124.8	161.6	197.6	232.8	267.5	273.3	229.0	195.5	169.5	148.7	
20	11.53	16.60	21.51	30.98	40.14	49.07	66.42	91.56	131.9	170.9	208.9	246.1	282.7	295.1	247.3	211.2	183.0		
21	12.15	17.50	22.67	32.66	42.31	51.72	70.01	96.51	139.0	180.1	220.2	259.4	298.0	317.5	266.1	227.2	196.9		
22	12.78	18.40	23.84	34.34	44.49	54.38	73.62	101.5	146.2	189.4	231.5	272.8	313.4	340.5	285.3	243.6	211.2		
23	13.40	19.31	25.01	36.03	46.68	57.06	77.24	106.5	153.4	198.7	242.9	286.2	328.8	363.9	305.0	260.4	255.7		
24	14.04	20.22	26.19	37.72	48.87	59.74	80.87	111.5	160.6	208.0	254.3	299.7	344.3	387.9	325.1	277.6	240.6		
25	14.67	21.13	27.37	39.42	51.08	62.44	84.52	116.5	167.8	217.4	265.8	313.2	359.8	405.7	345.6	295.1	255.8		
26	15.30	22.04	28.56	41.13	53.29	65.14	88.18	121.6	175.1	226.8	277.3	326.7	375.3	423.3	366.6	313.0	271.3		
Lube	Type A		Type B							Type C									

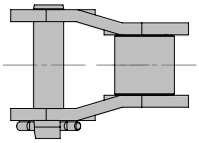
Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

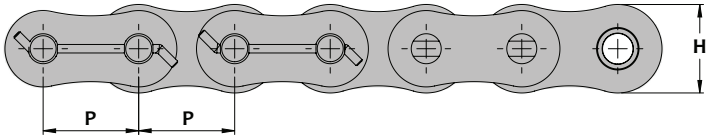
Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

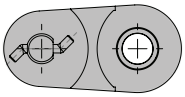
Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

240 ASME/ANSI Roller Chain









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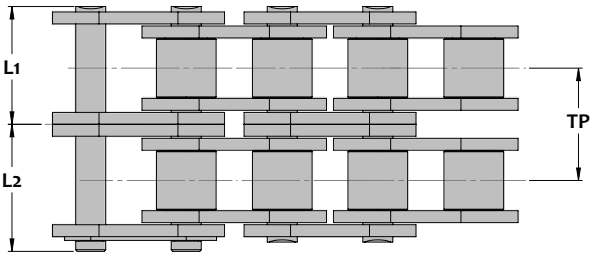
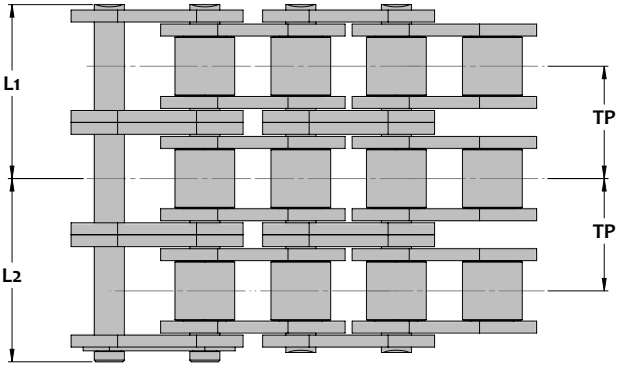




Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Roller Diameter R	Pin Diameter D	Link Plate Thickness T	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction	
									Cottered	Riveted
240	inch	3.000	1.875	1.875	0.936	0.374	2.768	40	Yes	Yes
	mm	76.20	47.63	47.63	23.78	9.5	70.3	66		

SENQCIA Chain Number	Units	Number of Strands	Pin Length				Transverse Pitch	Rated Working Load	Average Ultimate Strength	Average Chain Weight
			L1	L2	LR	LC	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
240	inch	1	1.90	2.20	3.80	4.10	-	29,000	152,200	15.9
	mm		48.2	55.9	96.4	104.1	-	13,180	69,180	23.6
240-2	inch	2	3.63	3.93	7.25	7.55	3.457	37,900	304,400	31.6
	mm		92.1	99.7	184.2	191.8	87.8	17,225	138,365	47.1
240-3	inch	3	5.35	5.65	10.71	11.01	3.457	55,700	456,600	47.3
	mm		136.0	143.6	272.0	279.6	87.8	25,320	207,545	70.6
240-4	inch	4	7.08	7.38	14.17	14.46	3.457	72,840	608,800	63.1
	mm		179.9	187.5	359.8	367.4	87.8	33,110	276,725	94.1
240-5	inch	5	8.81	9.11	17.62	17.92	3.457	86,900	761,000	78.8
	mm		223.8	23.14	447.6	455.2	87.8	39,500	345,910	117.6
240-6	inch	6	10.54	10.83	21.09	21.38	3.457	102,500	913,200	94.6
	mm		267.8	275.2	535.6	543.0	87.8	46,590	415,090	141.1

240 ASME/ANSI Roller Chain

Horsepower Capacity Table

# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	5	10	15	20	25	30	40	50	60	80	100	125	150	175	200	250	300	350	400	450
9	5.63	10.51	15.13	19.60	23.97	28.24	36.58	44.72	52.69	68.27	83.45	102.0	120.2	138.1	155.8	190.3	212.7	168.8	138.2	115.8
10	6.31	11.77	16.96	21.97	26.85	31.64	40.99	50.11	59.05	76.49	93.50	114.3	134.7	154.7	174.5	213.3	249.2	197.7	161.8	135.7
11	7.00	13.04	18.79	24.34	29.76	35.07	45.43	55.54	65.44	84.72	103.6	126.7	149.3	171.4	193.4	236.5	278.6	228.2	186.7	156.4
12	7.68	14.33	20.64	26.74	32.69	38.53	49.91	61.02	71.89	93.14	113.9	139.2	163.9	188.3	212.5	259.7	306.0	259.9	212.7	
13	8.38	15.63	22.51	29.17	35.64	42.01	54.42	66.53	78.38	101.6	124.1	151.7	178.8	205.4	231.6	283.1	333.6	293.0	239.8	
14	9.08	16.93	24.38	31.60	38.62	45.51	58.95	72.06	84.92	110.0	134.5	164.3	193.7	222.5	250.9	306.7	361.5	327.5	268.1	
15	9.77	18.24	26.27	34.03	41.61	49.02	63.51	77.64	91.49	118.5	144.9	177.1	208.7	239.7	270.4	330.4	389.4	363.3	297.3	
16	10.48	19.56	28.16	36.49	44.61	52.56	68.10	83.24	98.08	127.1	155.4	189.9	223.7	257.1	289.8	354.3	417.6	400.1	327.5	
17	11.19	20.88	30.08	38.97	47.63	56.13	72.71	88.87	104.7	135.7	165.8	202.7	238.9	274.4	309.5	378.3	445.8	438.2	358.7	
18	11.90	22.21	31.98	41.45	50.66	59.69	77.33	94.53	111.4	144.3	176.4	215.7	254.2	292.0	329.2	402.4	474.1	477.5	390.8	
19	12.61	23.54	33.91	43.94	53.71	63.28	81.98	100.2	118.1	153.0	187.0	228.6	269.4	309.5	348.9	426.7	502.7	517.8	423.9	
20	13.34	24.88	35.84	46.43	56.77	66.89	86.66	105.9	124.8	161.7	197.7	241.7	284.7	327.1	368.9	450.9	531.4	559.2	457.8	
21	14.06	26.23	37.79	48.95	59.84	70.51	91.34	111.7	131.6	170.5	208.3	254.7	300.1	344.8	388.9	475.3	560.1	601.7	492.5	
22	14.79	27.59	39.73	51.47	62.92	74.14	96.05	117.4	138.4	179.2	219.2	267.8	315.5	362.6	408.8	499.9	588.9	645.2	528.0	
23	15.51	28.94	41.69	54.01	66.02	77.79	100.8	123.2	145.2	188.1	229.9	281.0	331.1	380.4	429.0	524.4	617.8	689.7	564.5	
24	16.23	30.29	43.65	56.54	69.12	81.45	105.5	129.0	152.0	196.9	240.8	294.2	346.6	398.3	449.2	549.1				
25	16.97	31.66	45.62	59.09	72.24	85.12	110.3	134.8	158.8	205.8	251.6	307.5	362.3	416.2	469.4	573.9				
26	17.71	33.04	47.59	61.65	75.36	88.81	115.0	140.6	165.7	214.7	262.5	320.8	378.0	434.3	489.7	598.7				
Lube	Type A		Type B													Type C				

Kilowatt Capacity Table

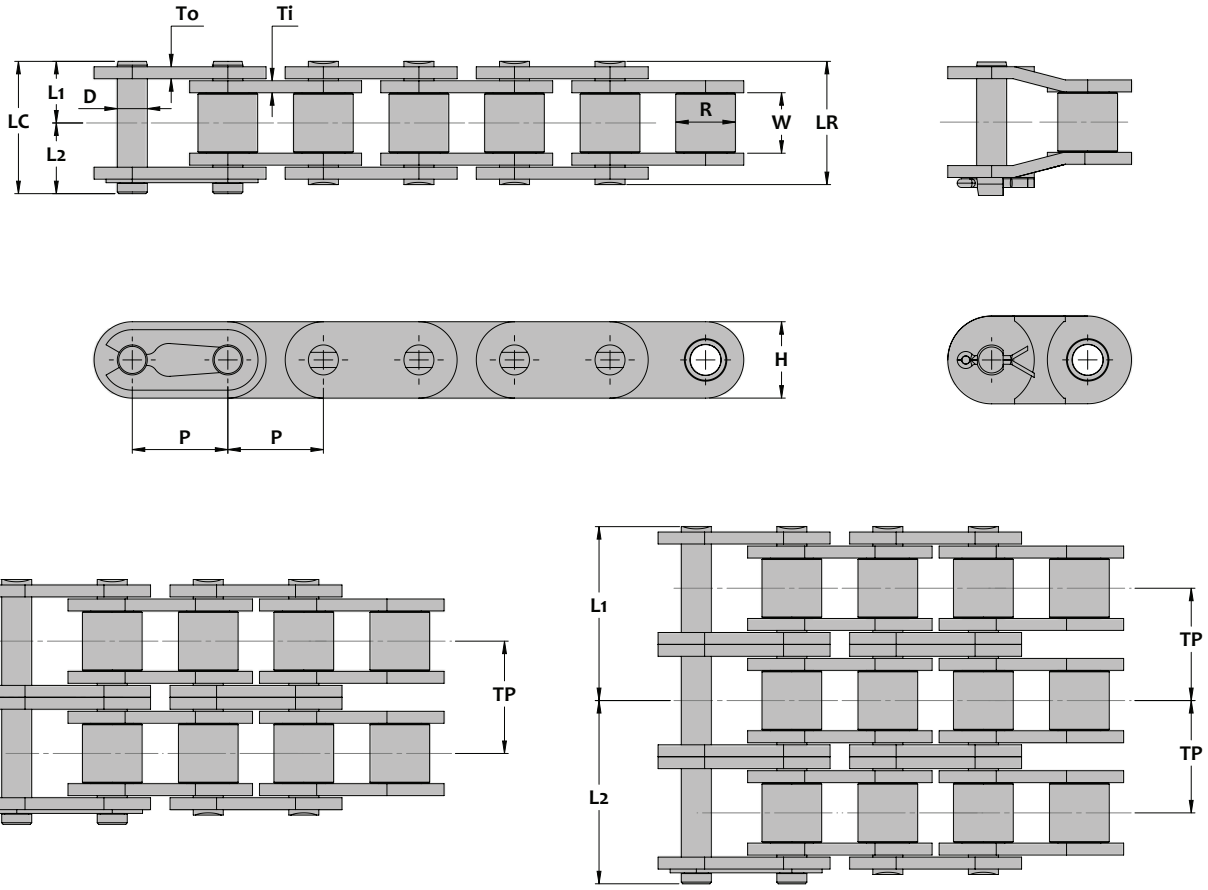
# Teeth Small Sprocket	Maximum Speed of Small Sprocket (rpm)																			
	5	10	15	20	25	30	40	50	60	80	100	125	150	175	200	250	300	350	400	450
9	4.20	7.84	11.29	14.62	17.88	21.07	27.29	33.36	39.31	50.93	62.25	76.10	89.67	103.0	116.2	142.0	158.7	125.9	103.1	86.38
10	4.71	8.78	12.65	16.39	20.03	23.60	30.58	37.38	44.05	57.06	69.75	85.27	100.5	115.4	130.2	159.1	185.9	147.5	120.7	101.2
11	5.22	9.73	14.02	18.16	22.20	26.16	33.89	41.43	48.82	63.20	77.32	94.51	111.4	127.9	144.3	176.4	207.8	170.2	139.3	116.7
12	5.73	10.69	15.40	19.95	24.39	28.74	37.23	45.52	53.63	69.48	84.94	103.8	122.3	140.5	158.5	193.7	228.3	193.9	158.7	
13	6.25	11.66	16.79	21.76	26.59	31.34	40.60	49.63	58.47	75.76	92.60	113.2	133.4	153.2	172.8	211.2	248.9	218.6	178.9	
14	6.77	12.63	18.19	23.57	28.81	33.95	43.98	53.76	63.35	82.07	100.3	122.6	144.5	166.0	187.2	228.8	269.7	244.3	200.0	
15	7.29	13.61	19.60	25.39	31.04	36.57	47.38	57.92	68.25	88.42	108.1	132.1	155.7	178.8	201.7	246.5	290.5	271.0	221.8	
16	7.82	14.59	21.01	27.22	33.28	39.21	50.80	62.10	73.17	94.80	115.9	141.7	166.9	191.8	216.2	264.3	311.5	298.5	244.3	
17	8.35	15.58	22.44	29.07	35.53	41.87	54.24	66.30	78.13	101.2	123.7	151.2	178.2	204.7	230.9	282.2	332.6	326.9	267.6	
18	8.88	16.57	23.86	30.92	37.79	44.53	57.69	70.52	83.10	107.7	131.6	160.9	189.6	217.8	245.6	300.2	353.7	356.2	291.5	
19	9.41	17.56	25.30	32.78	40.07	47.21	61.16	74.77	88.10	114.1	139.5	170.5	201.0	230.9	260.3	318.3	375.0	386.3	316.2	
20	9.95	18.56	26.74	34.64	42.35	49.90	64.65	79.02	93.12	120.6	147.5	180.3	212.4	244.0	275.2	336.4	396.4	417.2	341.5	
21	10.49	19.57	28.19	36.52	44.64	52.60	68.14	83.30	98.15	127.2	155.4	190.0	223.9	257.2	290.1	354.6	417.8	448.9	367.4	
22	11.03	20.58	29.64	38.40	46.94	55.31	71.65	87.59	103.2	133.7	163.5	199.8	235.4	270.5	305.0	372.9	439.3	481.3	393.9	
23	11.57	21.59	31.10	40.29	49.25	58.03	75.18	91.90	108.3	140.3	171.5	209.6	247.0	283.8	320.0	391.2	460.9	514.5	421.1	
24	12.11	22.60	32.56	42.18	51.56	60.76	78.71	96.22	113.4	146.9	179.6	219.5	258.6	297.1	335.1	409.6				
25	12.66	23.62	34.03	44.08	53.89	63.50	82.26	100.6	118.5	153.5	187.7	229.4	270.3	310.5	350.2	428.1				
26	13.21	24.65	35.50	45.99	56.22	66.25	85.82	104.9	123.6	160.2	195.8	239.3	282.0	324.0	365.3	446.6				
Lube	Type A		Type B													Type C				

Lube Type A: Manual or Drip Lubrication
Lube Type B: Bath or Slinger Disc Lubrication
Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

Number of Strands	2	3	4	5	6
Multi-Strand Factor	1.7	2.5	3.3	3.9	4.6

06B British Standard ISO Roller Chain

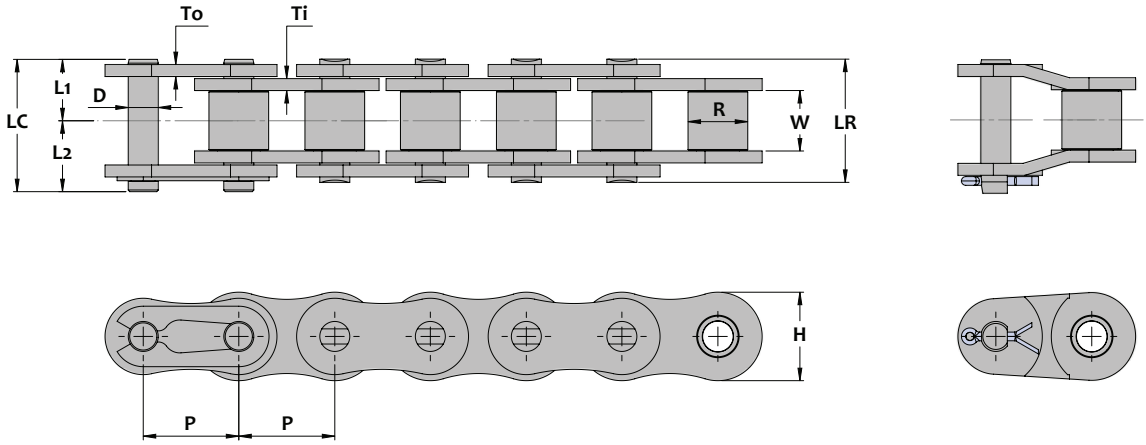


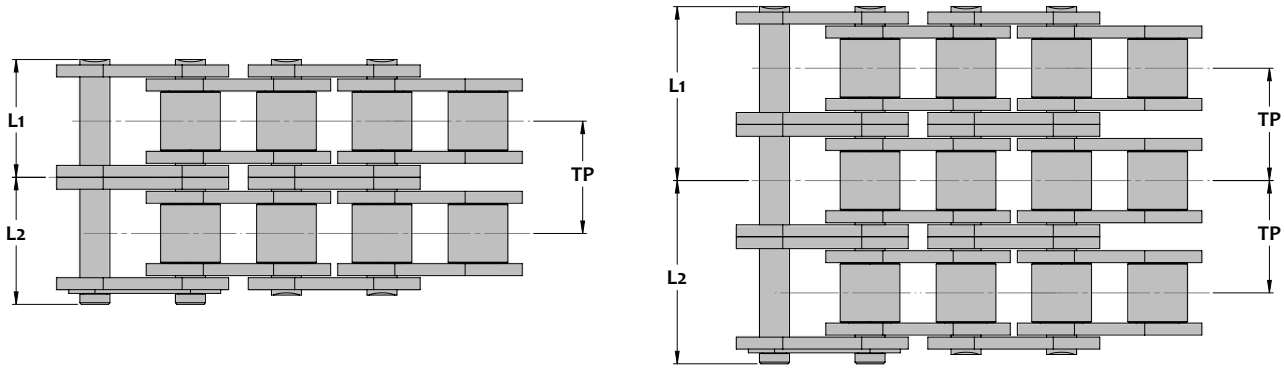
Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions									
		Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness Ti	Link Plate Thickness To	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
06B	inch	0.375	0.225	0.250	0.130	0.050	0.040	0.323	320	No	Yes
	mm	9.525	5.72	6.35	3.28	1.25	1.0	8.2	526		

SENQCIA Chain Number	Units	Pin Lengths and Chain Ratings								
		Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Minimum Ultimate Strength Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
06B	inch	1	0.25	0.28	0.50	0.53	-	400	2,000	2,200	0.27
	mm		6.3	7.1	12.6	13.4	-	182	909	1,000	0.41
06B-2	inch	2	0.45	0.48	0.90	0.93	0.403	680	3,800	4,360	0.52
	mm		11.4	12.3	22.9	23.7	10.24	309	1,725	1,980	0.78
06B-3	inch	3	0.65	0.67	1.31	1.33	0.403	950	5,600	6,430	0.79
	mm		16.6	17.1	33.2	33.7	10.24	432	2,545	2,925	1.18

08B British Standard ISO Roller Chain



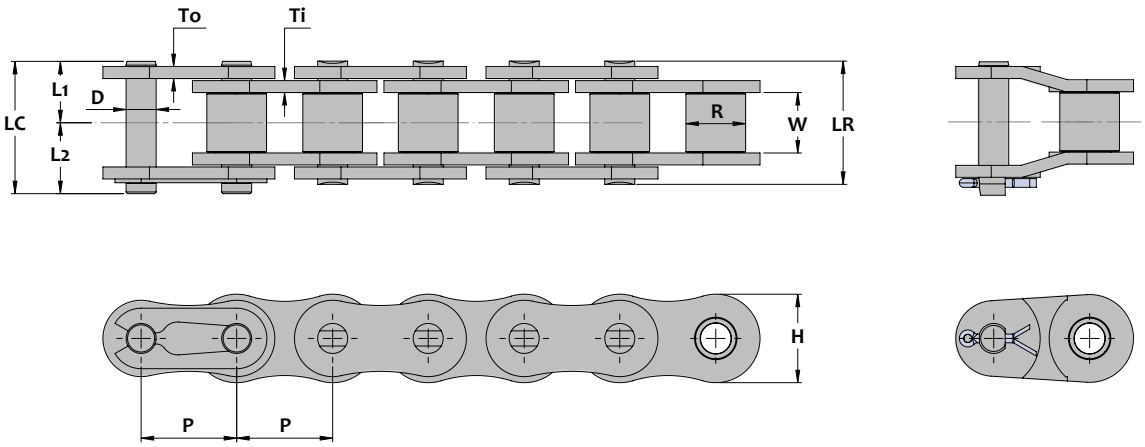


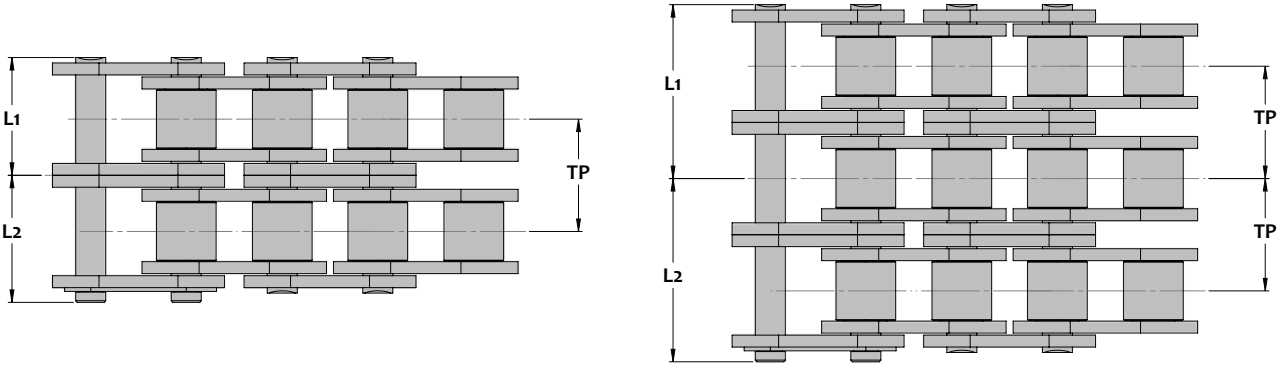
Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness Ti	Link Plate Thickness To	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
		Common Dimensions									
08B	inch	0.500	0.305	0.335	0.175	0.060		0.465	240	No	Yes
	mm	12.7	7.75	8.51	4.45	1.5		11.8	394		

SENQCIA Chain Number	Units	Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Minimum Ultimate Strength Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
			Pin Lengths and Chain Ratings								
08B	inch	1	0.33	0.39	0.66	0.72	-	710	4,000	4,400	0.41
	mm		8.4	9.8	16.7	18.2	-	323	1,820	2,000	0.61
08B-2	inch	2	0.60	0.65	1.20	1.26	0.548	1,210	7,000	7,760	0.84
	mm		15.3	16.6	30.6	31.9	13.92	550	3,180	3,525	1.26
08B-3	inch	3	0.88	0.93	1.75	1.80	0.548	1,770	10,000	11,130	1.26
	mm		22.3	23.5	44.5	45.8	13.92	805	4,545	5,060	1.88

10B British Standard ISO Roller Chain



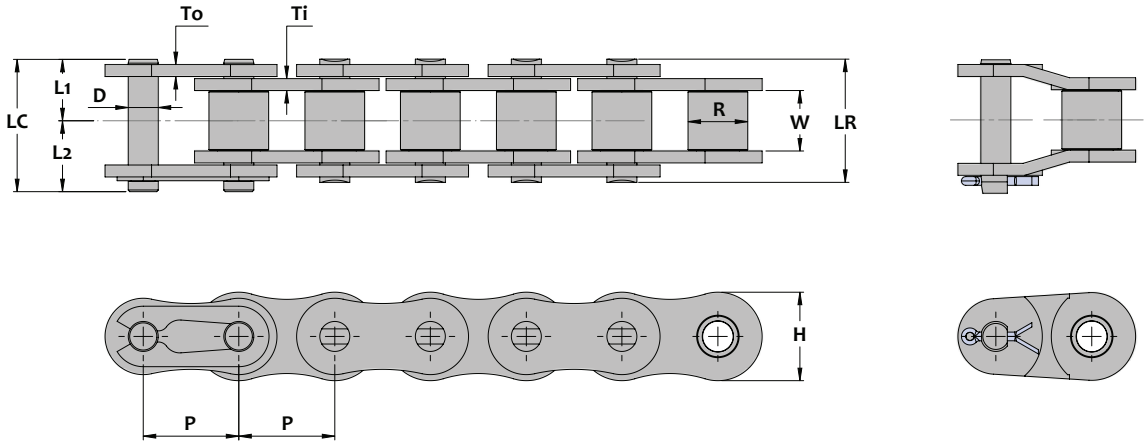


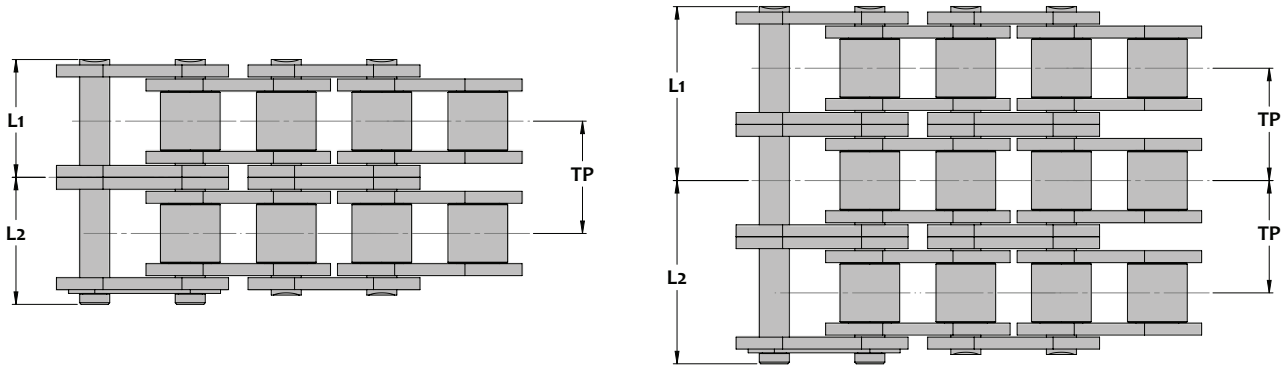
Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness Ti	Link Plate Thickness To	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
		Common Dimensions									
10B	inch	0.625	0.380	0.400	0.200	0.065		0.579	192	No	Yes
	mm	15.875	9.65	10.16	5.08	1.65		14.7	316		

SENQCIA Chain Number	Units	Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Minimum Ultimate Strength Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
			Pin Lengths and Chain Ratings								
10B	inch	1	0.37	0.44	0.75	0.81	-	1,100	5,000	5,600	0.60
	mm		9.5	11.2	19.0	20.7	-	500	2,275	2,545	0.89
10B-2	inch	2	0.70	0.77	1.40	1.47	0.653	1,880	10,000	11,200	1.20
	mm		17.8	19.5	35.6	37.3	16.59	855	4,545	5,090	1.79
10B-3	inch	3	1.03	1.11	2.06	2.14	0.653	2,750	15,000	16,790	1.78
	mm		26.2	28.2	52.4	54.4	16.59	1,250	6,820	7,630	2.66

12B British Standard ISO Roller Chain



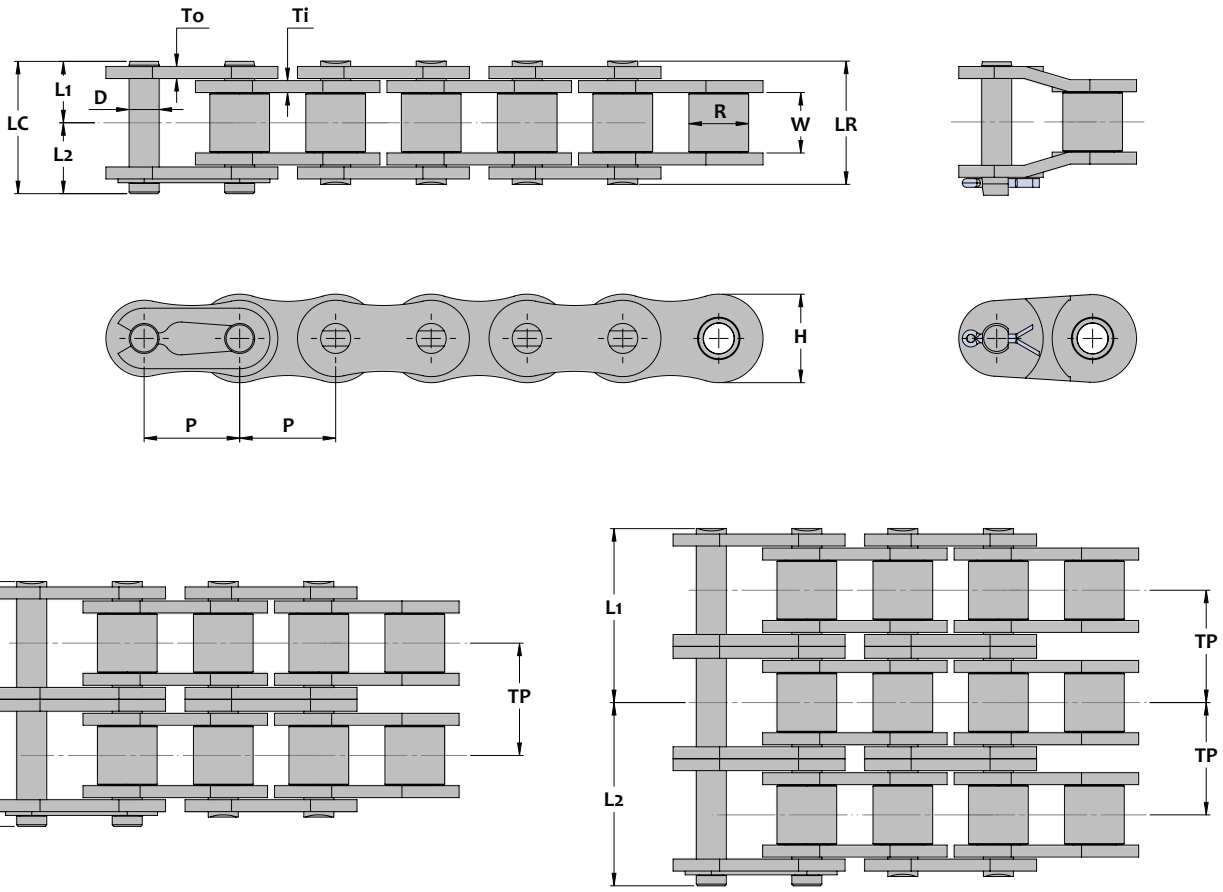


Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness Ti	Link Plate Thickness To	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
		Common Dimensions									
12B	inch	0.750	0.460	0.475	0.225	0.070		0.634	160	No	Yes
	mm	19.05	11.68	12.07	5.72	1.8		16.1	262		

SENQCIA Chain Number	Units	Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Minimum Ultimate Strength Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
			Pin Lengths and Chain Ratings								
12B	inch	1	0.43	0.50	0.87	0.93	-	1,590	6,500	7,190	0.76
	mm		11.0	12.6	22.0	23.6	-	723	2,955	3,270	1.14
12B-2	inch	2	0.82	0.88	1.64	1.70	0.766	2,700	13,000	14,390	1.53
	mm		20.8	22.3	41.6	43.1	19.46	1,225	5,910	6,540	2.28
12B-3	inch	3	1.20	1.26	2.41	2.47	0.766	3,960	19,500	21,580	2.25
	mm		30.6	32.1	61.1	62.7	19.46	1,800	8,865	9,810	3.36

16B British Standard ISO Roller Chain

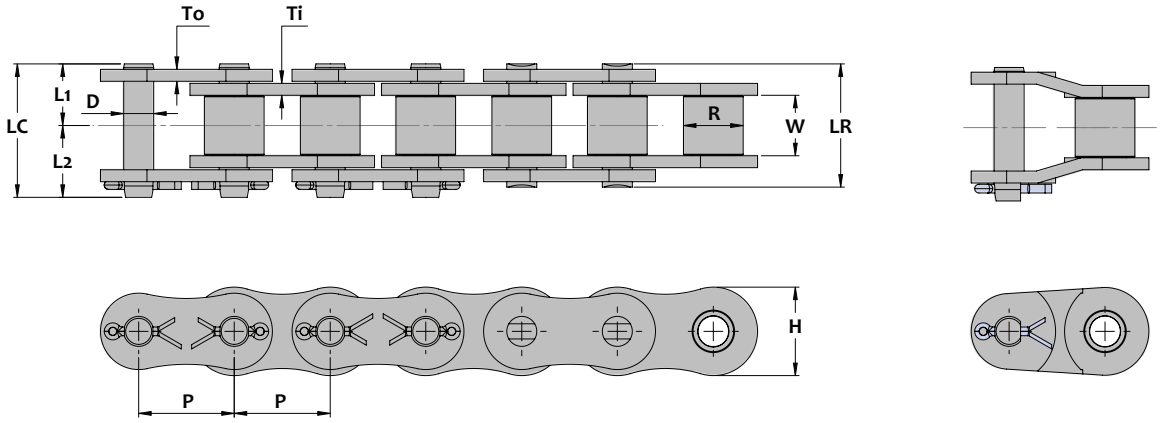


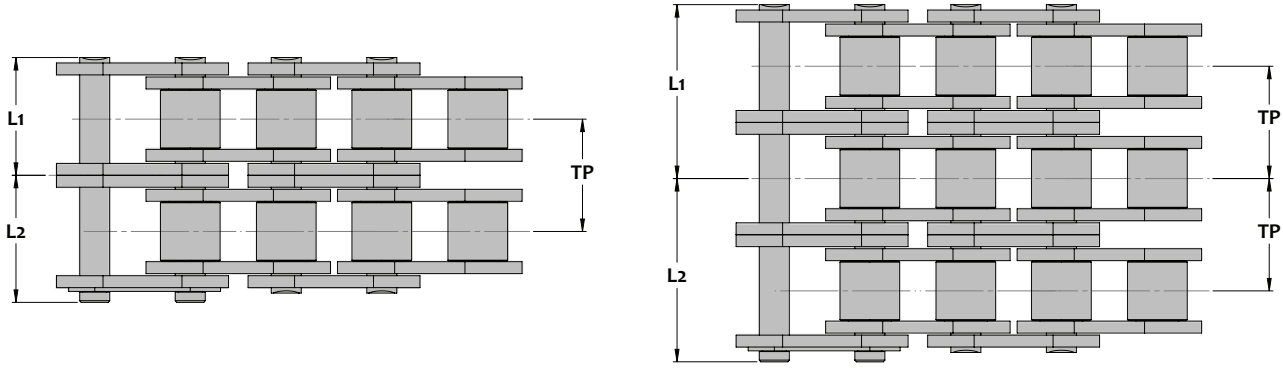
Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions									
		Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness Ti	Link Plate Thickness To	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
16B	inch	1.000	0.670	0.625	0.325	0.157	0.125	0.827	120	No	Yes
	mm	25.4	17.02	15.88	8.26	4.0	3.2	21.0	198		

SENQCIA Chain Number	Units	Pin Lengths and Chain Ratings								
		Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Minimum Ultimate Strength Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
16B	inch	1	0.69	0.81	1.38	1.50	-	3,690	13,700	15,400	1.74
	mm		17.6	20.6	35.1	38.2	-	1,675	6,225	7,000	2.59
16B-2	inch	2	1.32	1.44	2.64	2.76	1.255	4,810	27,400	30,300	3.44
	mm		33.6	36.5	67.2	70.1	31.88	2,185	12,455	13,775	5.13
16B-3	inch	3	1.95	2.08	3.90	4.03	1.255	7,100	41,100	45,010	5.15
	mm		49.6	52.9	99.2	102.5	31.88	3,225	18,682	20,460	7.68

20B British Standard ISO Roller Chain



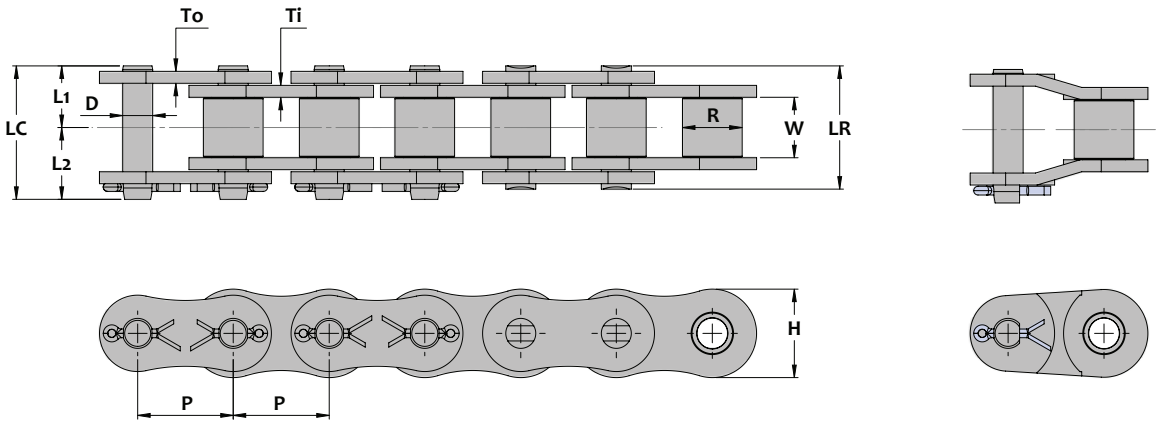


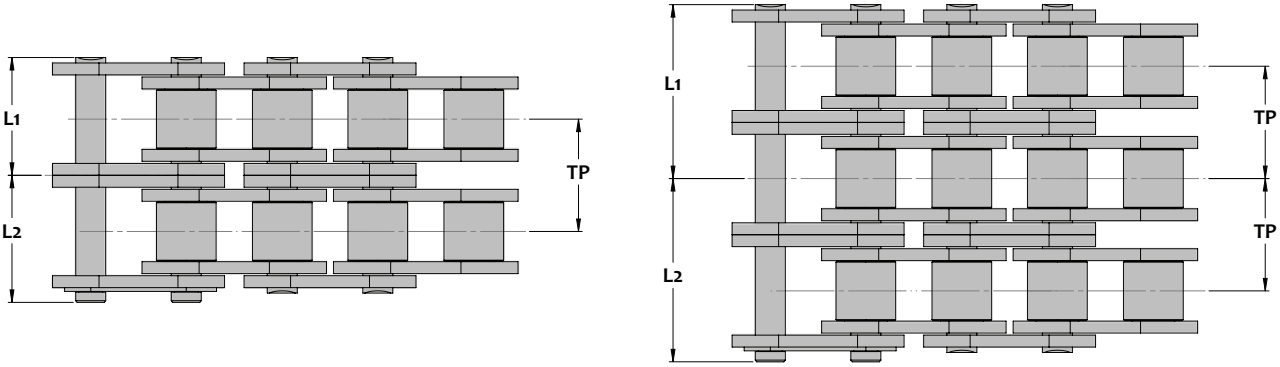
Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions									
		Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness Ti	Link Plate Thickness To	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
20B	inch	1.250	0.770	0.750	0.400	0.177	0.138	1.039	96	Yes	Yes
	mm	31.75	19.56	19.05	10.16	4.5	3.5	26.4	158		

SENQCIA Chain Number	Units	Pin Lengths and Chain Ratings									
		Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Minimum Ultimate Strength Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
20B	inch	1	0.79	0.94	1.58	1.73	-	5,740	21,400	23,800	2.52
	mm		20.1	23.9	40.2	44.0	-	2,610	9,725	10,820	3.76
20B-2	inch	2	1.51	1.66	3.02	3.17	1.435	7,490	42,000	46,700	4.87
	mm		38.4	42.2	76.8	80.6	36.45	3,405	19,090	21,225	7.26
20B-3	inch	3	2.23	2.38	4.46	4.61	1.435	11,020	62,600	69,600	7.28
	mm		56.7	60.5	113.4	117.2	36.45	5,010	28,455	31,635	10.9

24B British Standard ISO Roller Chain



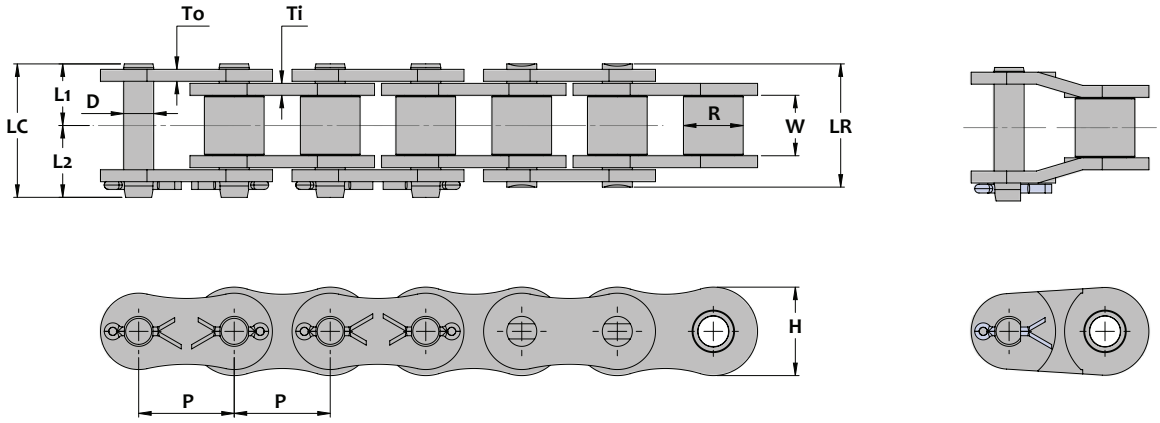


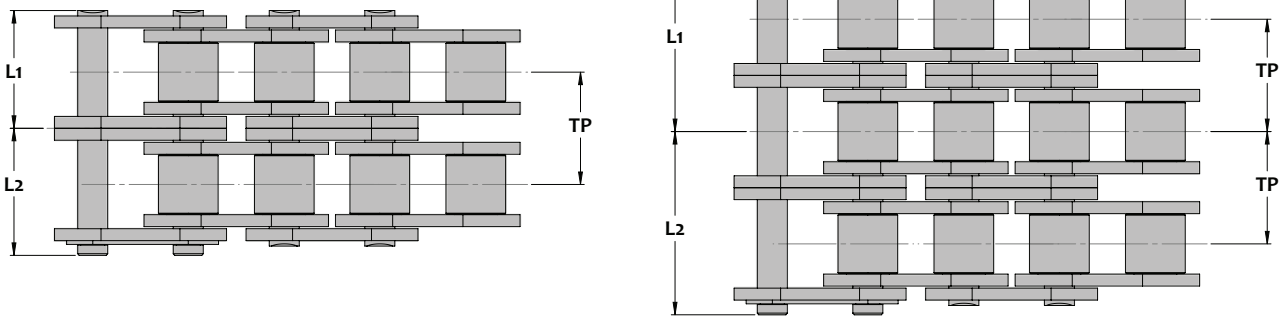
Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions									
		Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness Ti	Link Plate Thickness To	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
24B	inch	1.500	1.000	1.000	0.576	0.232	0.193	1.315	80	Yes	Yes
	mm	38.10	25.4	25.4	14.63	5.9	4.9	33.4	132		

SENQCIA Chain Number	Units	Pin Lengths and Chain Ratings									
		Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Minimum Ultimate Strength Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
24B	inch	1	1.05	1.24	2.10	2.29	-	8,030	36,200	40,400	4.89
	mm		26.7	31.4	53.4	58.1	-	3,650	16,455	18,365	7.29
24B-2	inch	2	2.00	2.19	4.00	4.19	1.904	10,520	72,400	80,800	9.74
	mm		50.9	55.6	101.8	106.5	48.36	4,780	32,910	36,725	14.5
24B-3	inch	3	2.96	3.14	5.92	6.10	1.904	15,470	108,600	121,200	14.6
	mm		75.1	79.8	150.2	154.9	48.36	7,030	49,365	55,090	21.8

28B British Standard ISO Roller Chain



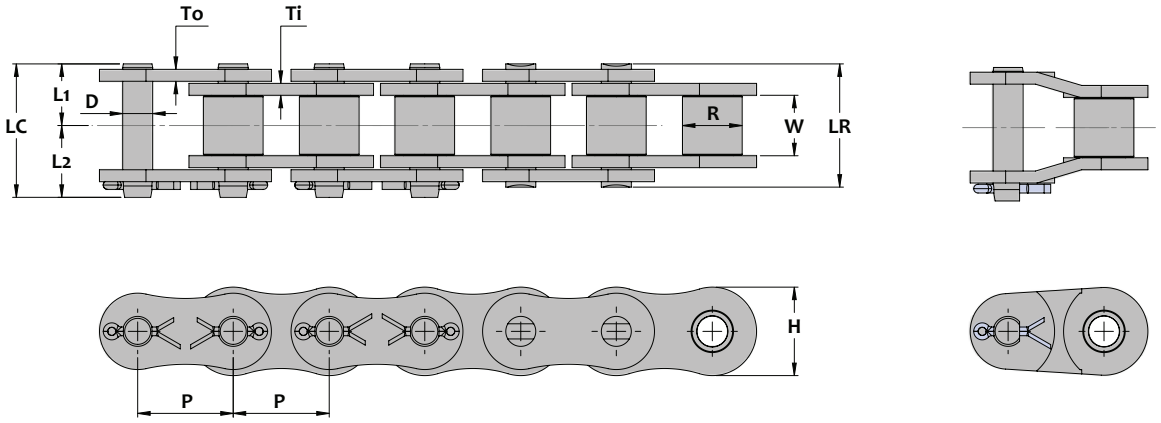


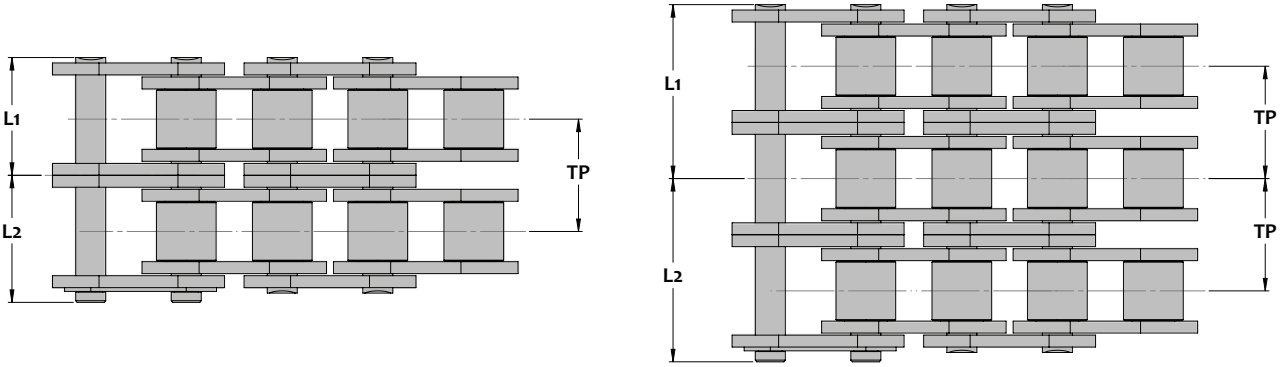
Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions									
		Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness Ti	Link Plate Thickness To	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
28B	inch	1.750	1.220	1.100	0.625	0.291	0.248	1.457	70	Yes	Yes
	mm	44.45	31.00	27.94	15.88	7.4	6.3	37.0	116		

SENQCIA Chain Number	Units	Pin Lengths and Chain Ratings									
		Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Minimum Ultimate Strength Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
28B	inch	1	1.28	1.50	2.56	2.78	-	10,000	45,190	50,300	6.21
	mm		32.6	37.9	65.2	70.5	-	4,545	20,540	22,865	9.26
28B-2	inch	2	2.46	2.66	4.92	5.12	2.345	13,100	85,400	94,900	12.4
	mm		62.4	67.6	124.8	130.0	59.56	5,955	38,820	43,135	18.5
28B-3	inch	3	3.63	3.83	7.26	7.46	2.345	19,290	125,670	139,400	18.5
	mm		92.1	97.5	184.2	189.6	59.56	8,770	57,125	63,635	27.7

32B British Standard ISO Roller Chain





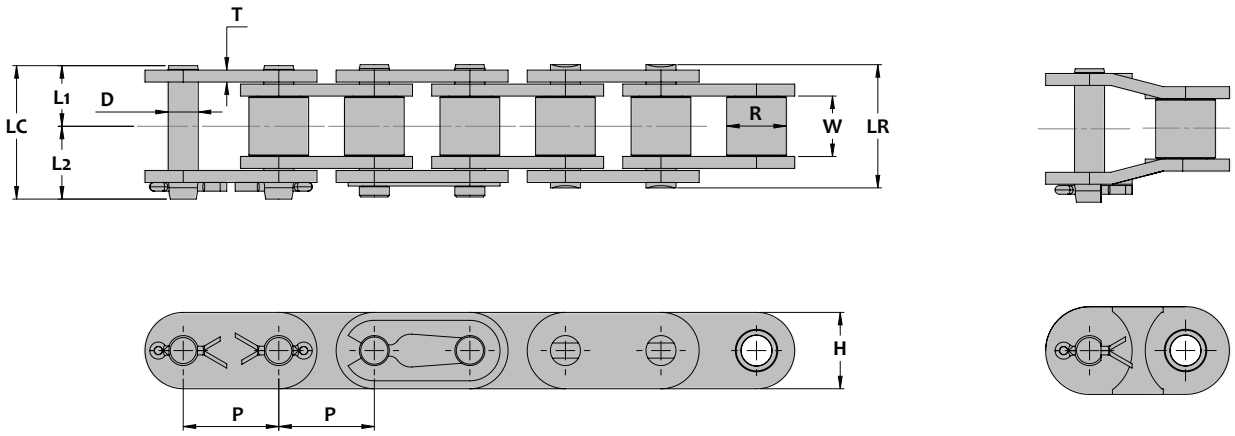
Chain Dimensions

SENQCIA Chain Number	Units	Common Dimensions									
		Chain Pitch P	Inside Width W	Bushing Diameter R	Pin Diameter D	Link Plate Thickness Ti	Link Plate Thickness To	Roller Link Plate Height H	Number of Links in 10ft/5m	Available Construction Cot	Available Construction Riv
32B	inch	2.000	1.220	1.150	0.700	0.272	0.248	1.661	60	Yes	Yes
	mm	50.80	31.00	29.21	17.81	6.9	6.3	42.2	98		

SENQCIA Chain Number	Units	Pin Lengths and Chain Ratings									
		Number of Strands	Pin Lengths L1	Pin Lengths L2	Pin Lengths LR	Pin Lengths LC	Transverse Pitch TP	Rated Working Load Lbs Kg-f	Minimum Ultimate Strength Lbs Kg-f	Average Ultimate Strength Lbs Kg-f	Average Chain Weight Lbs/ft Kg/m
32B	inch	1	1.28	1.52	2.56	2.80	-	11,460	56,200	61,600	6.65
	mm		32.5	38.6	65.0	71.1	-	5,210	25,545	28,000	9.92
32B-2	inch	2	2.43	2.68	4.86	5.11	2.305	14,970	110,000	123,000	13.3
	mm		61.7	68.0	123.4	129.7	58.55	6,805	50,000	55,910	19.8
32B-3	inch	3	3.58	3.83	7.16	7.41	2.305	22,030	163,600	184,300	19.9
	mm		91.0	97.3	182.0	188.3	58.55	10,015	74,365	83,775	29.6

ASME/ANSI Straight (Flat) Side Bar Roller Chain

ASME/ANSI Straight (Flat) Side Bar roller chains are identical to ASME/ANSI standard chains except that the side bar is straight (flat) rather than contoured. These chains are most often used for light to moderate duty material handling conveyors where the side bars are allowed to slide on a conveyor track. The straight side bar design also allows unit materials to sit on top of the chains easily in conveyor applications. The suffix "F" is used after the chain number to denote this series.

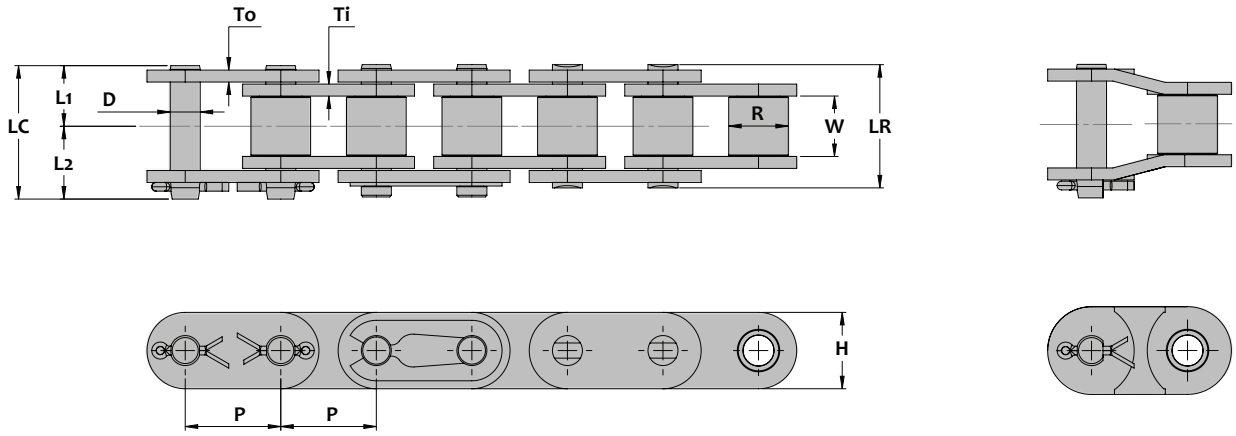


Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.			
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
35F	inch	0.375	0.200	0.188	0.141	0.24	0.27	0.47	0.51	0.354	0.050	2,430	500	0.25
	mm	9.525	5.08	4.78	3.58	6.0	6.9	12.0	12.9	9.0	1.25	1,105	227	0.38
40F	inch	0.500	0.312	0.313	0.156	0.33	0.37	0.65	0.70	0.461	0.060	4,300	935	0.45
	mm	12.70	7.92	7.95	3.96	8.3	9.4	16.6	17.7	11.7	1.5	1,955	425	0.67
50F	inch	0.750	0.400	0.375	0.200	0.40	0.46	0.80	0.86	0.575	0.080	7,200	1,625	0.74
	mm	19.05	10.16	9.53	5.08	11.7	11.7	20.4	21.9	14.6	2.0	3,275	739	1.10
60F	inch	0.750	0.469	0.500	0.234	0.50	0.56	1.01	1.06	0.689	0.094	10,000	2,405	1.09
	mm	19.05	11.91	12.70	5.94	12.8	14.1	25.6	26.9	17.5	2.4	4,545	1,095	1.63
80F	inch	1.000	0.625	0.625	0.312	0.65	0.75	1.29	1.40	0.921	0.126	17,650	4,135	1.89
	mm	25.40	15.88	15.88	7.92	16.4	19.1	32.8	35.5	23.4	3.2	8,025	1,880	2.82
100F	inch	1.250	0.750	0.750	0.375	0.78	0.92	1.55	1.69	1.154	0.157	26,500	6,360	2.93
	mm	31.75	19.05	19.05	9.53	19.7	23.3	39.4	43.0	29.3	4.0	12,045	2,890	4.37
120F	inch	1.500	0.875	1.000	0.437	0.98	1.13	1.95	2.10	1.382	0.188	39,000	8,545	4.33
	mm	38.10	22.23	25.40	11.10	24.8	28.6	49.6	53.4	35.1	4.8	17,725	3,885	6.45
140F	inch	1.750	1.000	1.000	0.500	1.06	1.23	2.13	2.30	1.610	0.220	48,600	11,310	5.56
	mm	44.45	25.40	25.40	12.70	27.0	31.3	54.0	58.3	40.9	5.6	22,090	5,140	8.29
160F	inch	2.000	1.125	1.250	0.562	1.27	1.44	2.54	2.7	1.839	0.250	63,000	14,900	7.35
	mm	50.80	28.58	31.75	14.27	32.2	36.5	64.4	68.7	46.7	6.4	28,635	6,775	11.0
200F	inch	2.500	1.562	1.500	0.781	1.55	1.88	3.09	3.43	2.354	0.315	105,000	18,500	12.7
	mm	63.50	39.67	38.10	19.84	39.3	47.7	78.6	87.0	59.8	8.0	47,725	8,410	19.0
240F	inch	3.000	1.875	1.875	0.936	1.90	2.20	3.80	4.10	2.768	0.374	152,200	25,360	17.8
	mm	76.20	47.63	47.63	23.78	48.2	55.9	96.4	104.1	70.3	9.5	69,180	11,525	26.5

ISO 606B British Standard Straight (Flat) Side Bar Roller Chain

ISO 606B British Standard Straight (Flat) Side Bar roller chains are identical to ISO 606B British Standard chains except that the side bar is straight (flat) rather than contoured. These chains are most often used for light to moderate duty material handling conveyors where the side bars are allowed to slide on a conveyor track. The straight side bar design also allows unit materials to sit on top of the chains easily in conveyor applications. The suffix "F" is used after the chain number to denote this series.

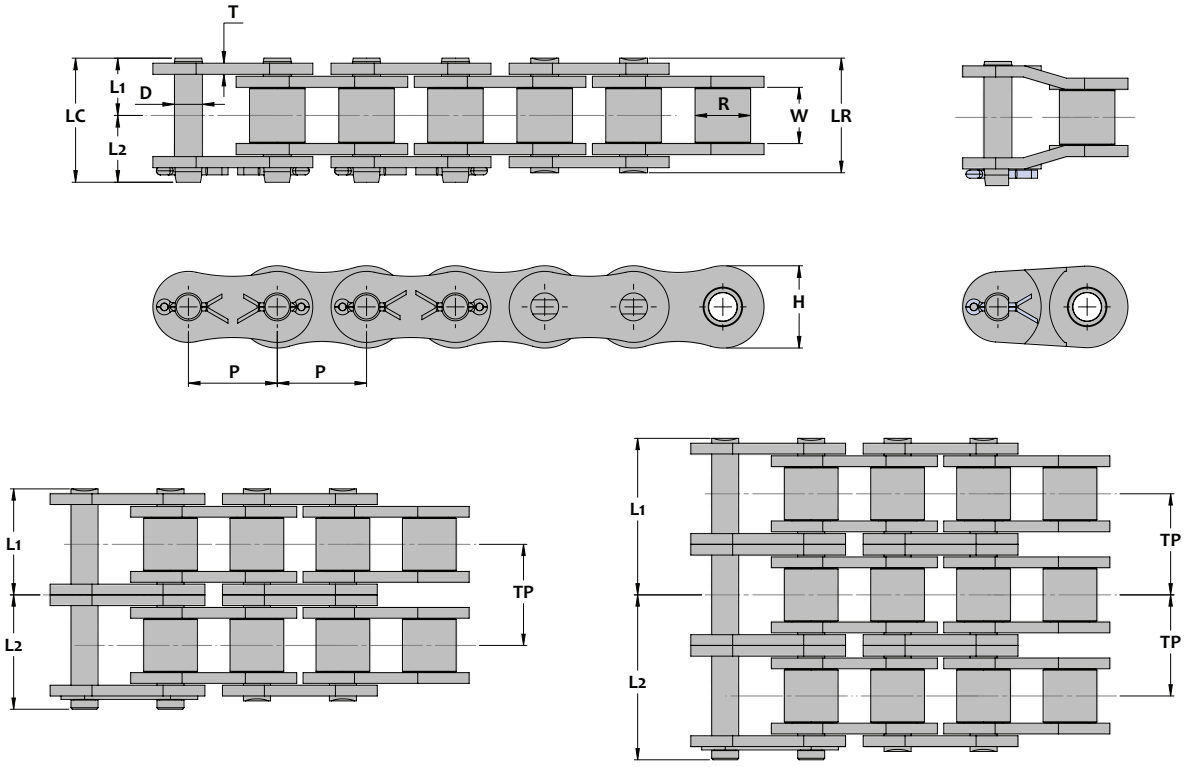


Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate			Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Inside Width	Dia	Dia	Length				Height	Thickness				
		P	W	R	D	L1	L2	LR	LC	H	To	Ti	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
08BF	inch	0.500	0.305	0.335	0.175	0.33	0.38	0.66	0.71	0.465	0.060		4,400	710	0.46
	mm	12.70	8.51	8.51	4.45	8.4	9.6	16.8	18.0	11.8	1.50		2,000	323	0.68
10BF	inch	0.625	0.380	0.400	0.200	0.37	0.44	0.75	0.81	0.579	0.065		5,600	1,100	0.66
	mm	15.875	9.65	10.16	5.08	9.5	11.2	19.0	20.7	14.7	1.65		2,545	500	0.99
12BF	inch	0.750	0.460	0.475	0.225	0.43	0.50	0.87	0.93	0.634	0.071		7,190	1,590	0.85
	mm	19.05	11.68	12.07	5.72	11.0	12.6	22.0	23.6	16.1	1.8		3,270	723	1.27
16BF	inch	1.000	0.673	0.625	0.312	0.69	0.81	1.39	1.50	0.921	0.157	0.125	15,400	2,835	1.94
	mm	25.40	17.1	15.88	7.93	17.6	20.5	35.2	38.1	23.4	4.0	3.2	7,000	1,290	2.90
20BF	inch	1.250	0.772	0.750	0.375	0.79	0.94	1.58	1.73	1.154	0.177	0.138	23,800	4,405	2.82
	mm	31.75	19.6	19.05	9.53	20.1	23.9	40.2	44.0	29.3	4.5	3.5	10,820	2,000	4.21
24BF	inch	1.500	1.000	1.000	0.437	1.05	1.24	2.10	2.29	1.382	0.232	0.193	40,400	6,180	5.47
	mm	38.10	25.4	25.40	11.10	26.7	31.4	53.4	58.1	35.1	5.9	4.9	18,365	2,810	8.16
28BF	inch	1.750	1.220	1.100	0.500	1.28	1.49	2.57	2.78	1.610	0.291	0.248	50,300	7,710	6.95
	mm	44.45	31.0	27.94	12.70	32.6	37.9	65.2	70.5	40.9	7.4	6.3	22,865	3,505	10.4
32BF	inch	2.000	1.244	1.125	0.562	1.28	1.52	2.56	2.80	1.839	0.272	0.248	61,600	8,815	7.45
	mm	50.80	31.6	28.58	14.28	32.5	38.6	65.0	71.1	46.7	6.9	6.3	28,000	4,005	11.1

ASME/ANSI Heavy (H) Series Roller Chain

Heavy Series roller chains are built for power transmission applications that require additional shock load capacity or link plate strength. They are dimensionally equivalent to ASME/ANSI standard chains except that link plates are one size thicker. Single strand chains operate on standard sprockets however multiple strand chains require special sprockets due to their increased transverse pitch. The suffix "H" is used after the chain number to denote this series.



Chain Dimensions - Single Strand

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.			
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
60H	inch	0.750	0.469	0.500	0.234	0.57	0.65	1.13	1.21	0.689	0.126	12,300	2,405	1.21
	mm	19.05	11.91	12.70	5.94	14.4	16.4	28.8	30.8	17.5	3.2	5,590	1,095	1.80
80H	inch	1.000	0.625	0.625	0.312	0.70	0.82	1.41	1.52	0.921	0.157	20,300	4,135	1.88
	mm	25.40	15.88	15.88	7.92	17.9	20.8	35.7	38.7	23.4	4.0	9,225	1,880	2.81
100H	inch	1.250	0.750	0.750	0.375	0.83	0.97	1.67	1.81	1.154	0.188	30,800	6,360	2.78
	mm	31.75	19.05	19.05	9.53	21.2	24.7	42.4	45.9	29.3	4.8	14,000	2,890	4.14
120H	inch	1.500	0.875	1.000	0.437	1.04	1.21	2.08	2.25	1.382	0.220	41,800	8,540	3.91
	mm	38.10	22.23	25.40	11.10	26.4	30.8	52.8	57.2	35.1	5.6	19,000	3,880	5.83
140H	inch	1.750	1.000	1.000	0.500	1.13	1.31	2.25	2.43	1.610	0.250	54,200	11,310	5.64
	mm	44.45	25.40	25.40	12.70	28.6	33.2	57.2	61.8	40.9	6.4	24,635	5,140	8.41
160H	inch	2.000	1.125	1.250	0.562	1.34	1.54	2.68	2.87	1.839	0.283	68,800	14,900	7.28
	mm	50.80	28.58	31.75	14.27	34.0	39.0	67.9	73.0	46.7	7.2	31,275	6,775	10.9
180H	inch	2.250	1.406	1.406	0.687	1.49	1.72	2.98	3.21	2.067	0.315	83,900	15,870	10.2
	mm	57.15	35.71	35.71	17.45	37.8	43.7	75.6	81.5	52.5	8.0	38,135	7,215	15.2
200H	inch	2.500	1.562	1.500	0.781	1.67	2.01	3.34	3.68	2.354	0.374	116,900	18,500	12.0
	mm	63.50	39.67	38.10	19.84	42.4	51.0	84.8	93.4	59.8	9.5	53,135	8,410	17.9

ASME/ANSI Heavy (H) Series Roller Chain

Chain Dimensions - Double Strand

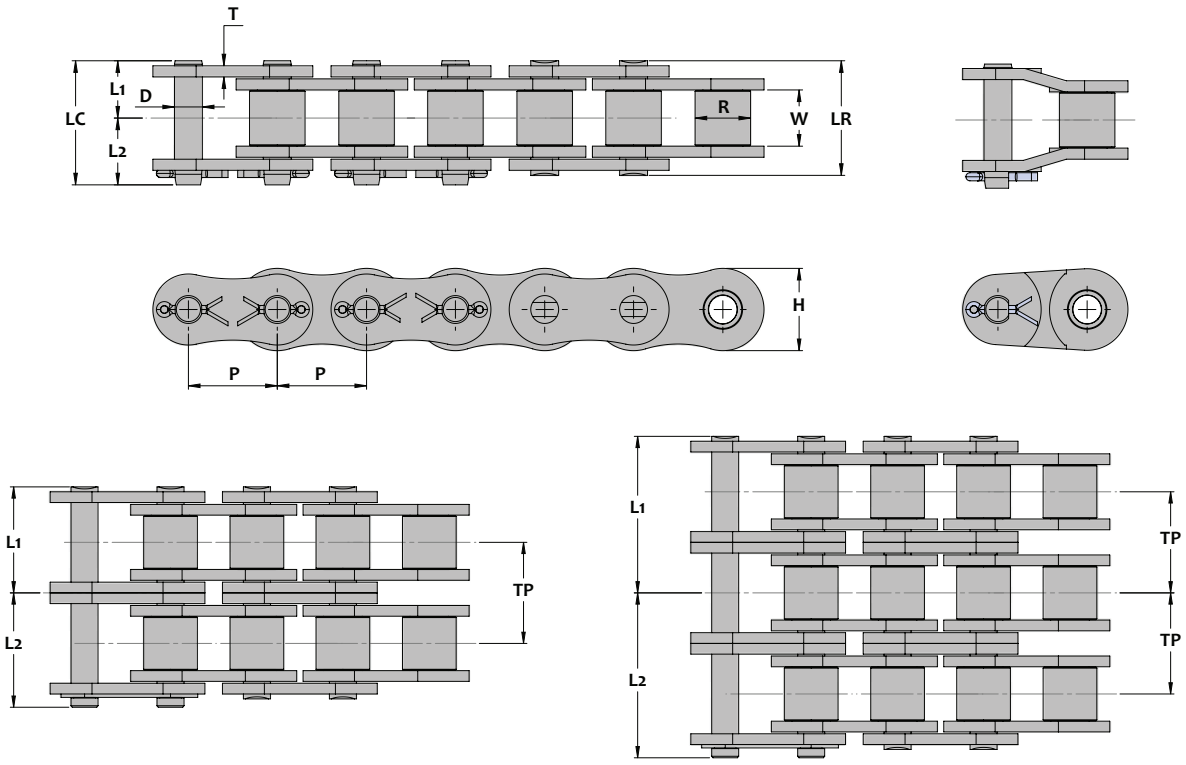
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
60H-2	inch	0.750	0.469	0.500	0.234	1.08	1.17	2.16	2.24	0.689	0.126	1.028	24,600	3,415	2.41
	mm	19.05	11.91	12.70	5.94	27.4	29.6	54.8	57.0	17.5	3.2	26.1	11,180	1,550	3.59
80H-2	inch	1.000	0.625	0.625	0.312	1.35	1.46	2.69	2.81	0.921	0.157	1.283	40,600	5,800	3.71
	mm	25.40	15.88	15.88	7.92	34.2	37.1	68.4	71.3	23.4	4.0	32.6	18,455	2,635	5.54
100H-2	inch	1.250	0.750	0.750	0.375	1.61	1.74	3.21	3.35	1.154	0.188	1.539	61,600	8,790	5.5
	mm	31.75	19.05	19.05	9.53	40.8	44.2	81.6	85.0	29.3	4.8	39.1	28,000	3,995	8.2
120H-2	inch	1.500	0.875	1.000	0.437	2.01	2.17	4.02	4.18	1.382	0.220	1.925	83,600	12,000	7.75
	mm	38.10	22.23	25.40	11.10	51.0	55.1	102.0	106.1	35.1	5.6	48.9	38,000	5,455	11.6
140H-2	inch	1.750	1.000	1.000	0.500	2.15	2.33	4.31	4.49	1.610	0.250	2.055	108,400	15,730	11.1
	mm	44.45	25.40	25.40	12.70	54.7	59.3	109.4	114.0	40.9	6.4	52.2	49,275	7,150	16.6
160H-2	inch	2.000	1.125	1.250	0.562	2.56	2.76	5.11	5.31	1.839	0.283	2.437	137,600	20,970	14.2
	mm	50.80	28.58	31.75	14.27	64.9	70.0	129.8	134.9	46.7	7.2	61.9	62,545	9,530	21.2
180H-2	inch	2.250	1.406	1.406	0.687	2.84	3.06	5.68	5.90	2.067	0.315	2.700	167,800	22,930	20.8
	mm	57.15	35.71	35.71	17.45	72.1	77.7	144.2	149.8	52.5	8.0	68.6	76,275	10,425	31.1
200H-2	inch	2.500	1.562	1.500	0.781	3.21	3.56	6.43	6.77	2.354	0.374	3.083	233,800	28,550	23.6
	mm	63.50	39.67	38.10	19.84	81.6	90.4	163.2	172.0	59.8	9.5	78.3	106,275	12,975	35.2

Chain Dimensions - Triple Strand

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
60H-3	inch	0.750	0.469	0.500	0.234	1.59	1.69	3.17	3.27	0.689	0.126	1.028	36,900	5,010	3.61
	mm	19.05	11.91	12.70	5.94	40.3	42.8	80.6	83.1	17.5	3.2	26.1	16,775	2,275	5.39
80H-3	inch	1.000	0.625	0.625	0.312	1.99	2.11	3.98	4.09	0.921	0.157	1.283	60,900	8,540	5.54
	mm	25.40	15.88	15.88	7.92	50.5	53.5	101.0	104.0	23.4	4.0	32.6	27,680	3,880	8.26
100H-3	inch	1.250	0.750	0.750	0.375	2.38	2.52	4.76	4.90	1.154	0.188	1.539	92,400	12,920	8.22
	mm	31.75	19.05	19.05	9.53	60.4	64.0	120.8	124.4	29.3	4.8	39.1	42,000	5,875	12.3
120H-3	inch	1.500	0.875	1.000	0.437	2.96	3.12	5.93	6.09	1.382	0.220	1.925	125,400	17,640	11.6
	mm	38.10	22.23	25.40	11.10	75.3	79.3	150.6	154.6	35.1	5.6	48.9	57,000	8,020	17.3
140H-3	inch	1.750	1.000	1.000	0.500	3.19	3.37	6.37	6.55	1.610	0.250	2.055	162,600	23,150	16.6
	mm	44.45	25.40	25.40	12.70	80.9	85.5	161.8	166.4	40.9	6.4	52.2	73,910	10,525	24.8
160H-3	inch	2.000	1.125	1.250	0.562	3.78	3.97	7.55	7.75	1.839	0.283	2.437	206,400	30,800	21.2
	mm	50.80	28.58	31.75	14.27	95.9	100.9	191.8	196.8	46.7	7.2	61.9	93,820	14,000	31.5
180H-3	inch	2.250	1.406	1.406	0.687	4.19	4.42	8.38	8.61	2.067	0.315	2.700	251,700	33,500	30.1
	mm	57.15	35.71	35.71	17.45	106.4	112.3	212.8	218.7	52.5	8.0	68.6	114,410	15,225	44.9
200H-3	inch	2.500	1.562	1.500	0.781	4.75	5.10	9.50	9.85	2.354	0.374	3.083	350700	41,810	41.9
	mm	63.50	39.67	38.10	19.84	120.7	129.6	241.4	250.3	59.8	9.5	78.3	159,410	19,005	62.5

ASME/ANSI Through Hardened Pin (E) Series Roller Chain

E-Series roller chains possess alloy steel through hardened pins to significantly improve shock load resistance and increase ultimate strength. These chains are often used on heavy construction or mining equipment when superior toughness is required. E-series roller chains operate on standard ASME/ANSI sprockets . . . Hardened teeth are recommended. The suffix "E" is used after the chain number to denote this series.



Chain Dimensions - Single Strand

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.			
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
60E	inch	0.750	0.469	0.500	0.234	0.50	0.56	1.01	1.06	0.689	0.094	10,300	2,475	0.98
	mm	19.05	11.91	12.70	5.94	12.8	14.1	25.6	26.9	17.5	2.4	4,680	1,125	1.46
80E	inch	1.000	0.625	0.625	0.312	0.65	0.75	1.29	1.40	0.921	0.126	17,850	4,135	1.69
	mm	25.40	15.88	15.88	7.92	16.4	19.1	32.8	35.5	23.4	3.2	8,115	1,880	2.52
100E	inch	1.250	0.750	0.750	0.375	0.78	0.92	1.55	1.69	1.154	0.157	26,750	6,360	2.62
	mm	31.75	19.05	19.05	9.53	19.7	23.3	39.4	43.0	29.3	4.0	12,160	2,890	3.91
120E	inch	1.500	0.875	1.000	0.437	0.98	1.13	1.95	2.10	1.382	0.188	39,100	8,540	3.86
	mm	38.10	22.23	25.40	11.10	24.8	28.6	49.6	53.4	35.1	4.8	17,775	3,882	5.76
140E	inch	1.750	1.000	1.000	0.500	1.06	1.23	2.13	2.30	1.610	0.220	51,000	11,310	4.97
	mm	44.45	25.40	25.40	12.70	27.0	31.3	54.0	58.3	40.9	5.6	23,180	5,140	7.41
160E	inch	2.000	1.125	1.250	0.562	1.27	1.44	2.54	2.7	1.839	0.250	66,100	14,900	6.56
	mm	50.80	28.58	31.75	14.27	32.2	36.5	64.4	68.7	46.7	6.4	30,045	6,775	9.79
180E	inch	2.250	1.406	1.406	0.687	1.43	1.66	2.86	3.09	2.067	0.283	81,600	15,870	8.98
	mm	57.15	35.71	35.71	17.45	36.3	42.1	72.6	78.4	52.5	7.2	37,090	7,215	13.4
200E	inch	2.500	1.562	1.500	0.781	1.55	1.88	3.09	3.43	2.354	0.315	105,700	18,500	11.4
	mm	63.50	39.67	38.10	19.84	39.3	47.7	78.6	87.0	59.8	8.0	48,045	8,409	16.9

ASME/ANSI Through Hardened Pin (E) Series Roller Chain

Chain Dimensions - Double Strand

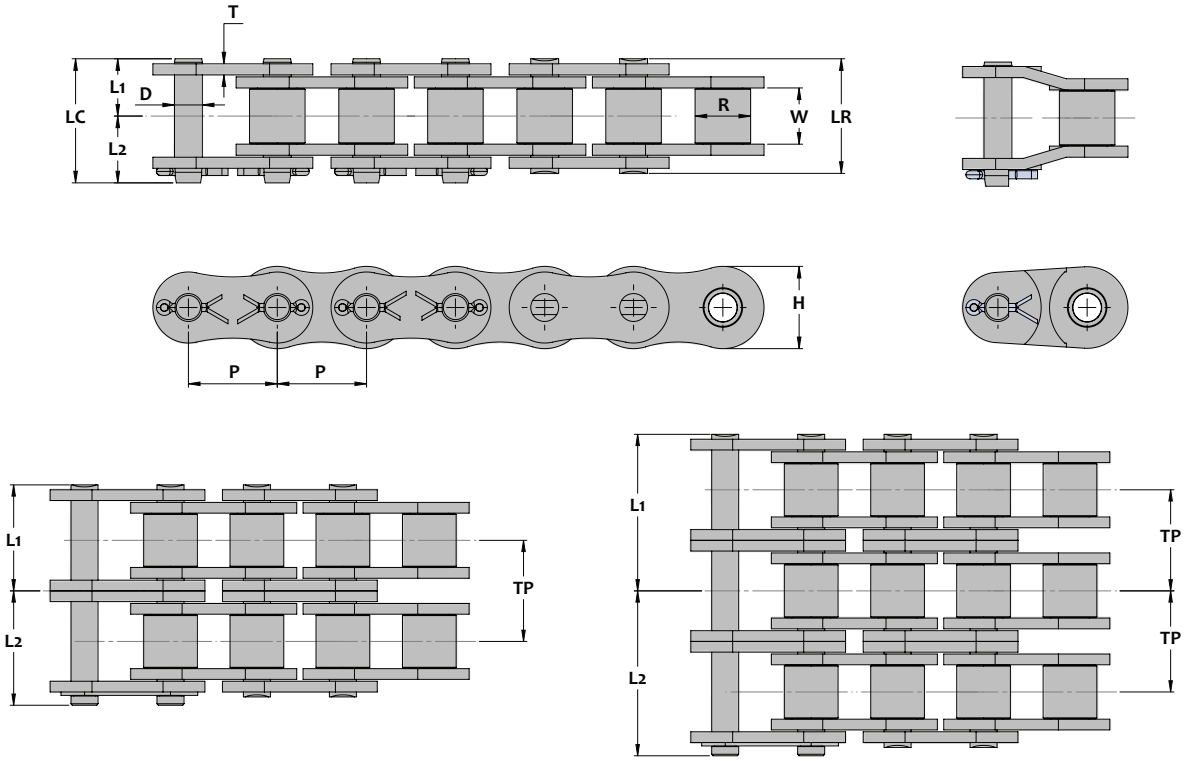
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
60E-2	inch	0.750	0.469	0.500	0.234	0.94	1.01	1.89	1.96	0.689	0.094	0.898	20,590	4,100	1.98
	mm	19.05	11.91	12.70	5.94	24.0	25.7	48.0	26.9	17.5	2.4	22.8	9,360	1,865	2.95
80E-2	inch	1.000	0.625	0.625	0.312	1.21	1.33	2.43	2.54	0.921	0.126	1.154	35,750	6,000	3.42
	mm	25.40	15.88	15.88	7.92	30.8	33.7	61.6	64.5	23.4	3.2	29.3	15,340	2,725	5.10
100E-2	inch	1.250	0.750	0.750	0.375	1.48	1.62	2.96	3.10	1.154	0.157	1.409	53,500	9,170	5.19
	mm	31.75	19.05	19.05	9.53	37.6	41.2	75.2	78.8	29.3	4.0	35.8	24,320	4,170	7.74
120E-2	inch	1.500	0.875	1.000	0.437	1.87	2.02	3.74	3.89	1.382	0.188	1.787	78,200	12,180	7.70
	mm	38.10	22.23	25.40	11.10	47.5	51.3	95.0	98.8	35.1	4.8	45.4	35,545	5,535	11.5
140E-2	inch	1.750	1.000	1.000	0.500	2.03	2.19	4.06	4.22	1.610	0.22	1.925	102,000	16,460	9.81
	mm	44.45	25.40	25.40	12.70	51.5	55.7	103.0	107.2	40.9	5.6	48.9	46,365	7,480	14.6
160E-2	inch	2.000	1.125	1.250	0.562	2.42	2.59	4.83	5.01	1.839	0.250	2.303	132,200	21,360	13.0
	mm	50.80	28.58	31.75	14.27	61.4	65.8	122.8	127.2	46.7	6.4	58.5	60,090	9,710	19.5
180E-2	inch	2.250	1.406	1.406	0.687	2.72	2.95	5.44	5.67	2.067	0.283	2.591	163,210	22,930	17.9
	mm	57.15	35.71	35.71	17.45	69.1	74.9	138.2	144.0	52.5	7.2	65.8	74,185	10,425	26.6
200E-2	inch	2.500	1.562	1.500	0.781	2.96	3.29	5.91	6.25	2.354	0.315	2.819	211,400	29,230	22.6
	mm	63.50	39.67	38.10	19.84	75.1	83.6	150.2	158.7	59.8	8.0	71.6	96,090	13,285	33.7

Chain Dimensions - Triple Strand

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
60E-3	inch	0.750	0.469	0.500	0.234	1.39	1.47	2.77	2.86	0.689	0.094	0.898	30,800	6,180	2.97
	mm	19.05	11.91	12.70	5.94	35.2	37.4	70.7	72.6	17.5	2.4	22.8	14,000	2,810	4.43
80E-3	inch	1.000	0.625	0.625	0.312	1.79	1.91	3.58	3.70	0.921	0.126	1.154	53,500	8,835	5.15
	mm	25.40	15.88	15.88	7.92	45.5	48.6	91.0	94.1	23.4	3.2	29.3	24,320	4,015	7.68
100E-3	inch	1.250	0.750	0.750	0.375	2.19	2.33	4.37	4.51	1.154	0.157	1.409	80,260	13,490	7.78
	mm	31.75	19.05	19.05	9.53	55.5	59.1	111.0	114.6	29.3	4.0	35.8	36,480	6,130	11.6
120E-3	inch	1.500	0.875	1.000	0.437	2.76	2.91	5.53	5.68	1.382	0.188	1.787	117,300	17,940	11.5
	mm	38.10	22.23	25.40	11.10	70.2	74.0	140.4	144.2	35.1	4.8	45.4	53,320	8,155	17.2
140E-3	inch	1.750	1.000	1.000	0.500	2.99	3.17	5.98	6.15	1.610	0.220	1.925	153,000	24,280	14.7
	mm	44.45	25.40	25.40	12.70	75.9	80.4	151.8	156.3	40.9	5.6	48.9	69,545	11,035	21.9
160E-3	inch	2.000	1.125	1.250	0.562	3.57	3.74	7.14	7.31	1.839	0.250	2.303	198,300	31,470	19.6
	mm	50.80	28.58	31.75	14.27	90.7	95.0	181.4	185.7	46.7	6.4	58.5	90,135	14,305	29.2
180E-3	inch	2.250	1.406	1.406	0.687	4.03	4.25	8.06	8.28	2.067	0.283	2.591	244,820	33,720	26.8
	mm	57.15	35.71	35.71	17.45	102.3	107.9	204.6	210.2	52.5	7.2	65.8	111,280	15,325	39.9
200E-3	inch	2.500	1.562	1.500	0.781	4.37	4.70	8.73	9.06	2.354	0.315	2.819	317,100	42,940	33.9
	mm	63.50	39.67	38.10	19.84	110.9	119.3	221.8	230.2	59.8	8.0	71.6	144,135	19,520	50.5

ASME/ANSI Heavy-Through Hardened Pin (HE) Roller Chain

HE-Series roller chains possess alloy steel through hardened pins and one size thicker link plates for maximum toughness. A combination of the features found in the Heavy (H-Series) and E-Series chains provide reliable performance in the toughest applications. Single strand chains operate over standard ASME/ANSI sprockets (hardened teeth recommended), however multiple strand chains require special sprockets due to their increased transverse pitch. The suffix "HE" is used after the chain number to denote this series.



Chain Dimensions - Single Strand

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.			
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
60HE	inch	0.750	0.469	0.500	0.234	0.57	0.65	1.13	1.21	0.689	0.126	12,500	2,475	1.21
	mm	19.05	11.91	12.70	5.94	14.4	16.4	28.8	30.8	17.5	3.2	5,680	1,125	1.80
80HE	inch	1.000	0.625	0.625	0.312	0.70	0.82	1.41	1.52	0.921	0.157	21,000	4,135	1.88
	mm	25.40	15.88	15.88	7.92	17.9	20.8	35.7	38.7	23.4	4.0	9,545	1,880	2.81
100HE	inch	1.250	0.750	0.750	0.375	0.83	0.97	1.67	1.81	1.154	0.188	32,000	6,360	2.78
	mm	31.75	19.05	19.05	9.53	21.2	24.7	42.4	45.9	29.3	4.8	14,545	2,890	4.14
120HE	inch	1.500	0.875	1.000	0.437	1.04	1.21	2.08	2.25	1.382	0.220	43,000	8,540	3.91
	mm	38.10	22.23	25.40	11.10	26.4	30.8	52.8	57.2	35.1	5.6	19,545	3,880	5.83
140HE	inch	1.750	1.000	1.000	0.500	1.13	1.31	2.25	2.43	1.610	0.250	56,600	11,310	5.64
	mm	44.45	25.40	25.40	12.70	28.6	33.2	57.2	61.8	40.9	6.4	25,725	5,140	8.41
160HE	inch	2.000	1.125	1.250	0.562	1.34	1.54	2.68	2.87	1.839	0.283	71,700	14,900	7.28
	mm	50.80	28.58	31.75	14.27	34.0	39.0	67.9	73.0	46.7	7.2	32,590	6,775	10.86
180HE	inch	2.250	1.406	1.406	0.687	1.49	1.72	2.98	3.21	2.067	0.315	99,100	15,870	10.18
	mm	57.15	35.71	35.71	17.45	37.8	43.7	75.6	81.5	52.5	8.0	45,045	7,215	15.18
200HE	inch	2.500	1.562	1.500	0.781	1.67	2.01	3.34	3.68	2.354	0.374	125,600	18,500	11.97
	mm	63.50	39.67	38.10	19.84	42.4	51.0	84.8	93.4	59.8	9.5	57,090	8,410	17.85

ASME/ANSI Heavy-Through Hardened Pin (HE) Series Roller Chain

Chain Dimensions - Double Strand

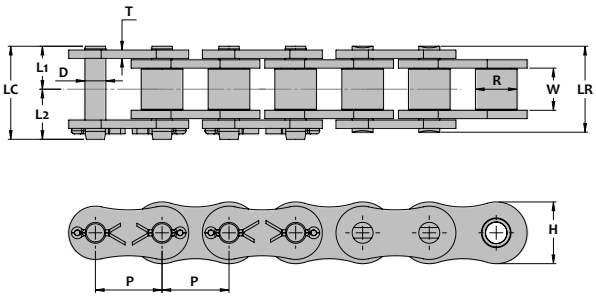
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
60HE-2	inch	0.750	0.469	0.500	0.234	1.08	1.17	2.16	2.24	0.689	0.126	1.028	25,000	4,115	2.41
	mm	19.05	11.91	12.70	5.94	27.4	29.6	54.8	57.0	17.5	3.2	26.1	11,365	1,870	3.59
80HE-2	inch	1.000	0.625	0.625	0.312	1.35	1.46	2.69	2.81	0.921	0.157	1.283	42,000	6,385	3.71
	mm	25.40	15.88	15.88	7.92	34.2	37.1	68.4	71.3	23.4	4.0	32.6	19,090	2,900	5.54
100HE-2	inch	1.250	0.750	0.750	0.375	1.61	1.74	3.21	3.35	1.154	0.188	1.539	64,000	10,140	5.5
	mm	31.75	19.05	19.05	9.53	40.8	44.2	81.6	85.0	29.3	4.8	39.1	29,090	4,610	8.2
120HE-2	inch	1.500	0.875	1.000	0.437	2.01	2.17	4.02	4.18	1.382	0.220	1.925	86,000	13,110	7.75
	mm	38.10	22.23	25.40	11.10	51.0	55.1	102.0	106.1	35.1	5.6	48.9	39,090	5,960	11.56
140HE-2	inch	1.750	1.000	1.000	0.500	2.15	2.33	4.31	4.49	1.610	0.250	2.055	113,200	17,240	11.12
	mm	44.45	25.40	25.40	12.70	54.7	59.3	109.4	114.0	40.9	6.4	52.2	51,455	7,835	16.59
160HE-2	inch	2.000	1.125	1.250	0.562	2.56	2.76	5.11	5.31	1.839	0.283	2.437	143,400	22,480	14.22
	mm	50.80	28.58	31.75	14.27	64.9	70.0	129.8	134.9	46.7	7.2	61.9	65,180	10,220	21.21
180HE-2	inch	2.250	1.406	1.406	0.687	2.84	3.06	5.68	5.90	2.067	0.315	2.700	198,200	27,200	20.83
	mm	57.15	35.71	35.71	17.45	72.1	77.7	144.2	149.8	52.5	8.0	68.6	90,090	12,365	31.06
200HE-2	inch	2.500	1.562	1.500	0.781	3.21	3.56	6.43	6.77	2.354	0.374	3.083	251,200	31,020	23.60
	mm	63.50	39.67	38.10	19.84	81.6	90.4	163.2	172.0	59.8	9.5	78.3	114,180	14,100	35.20

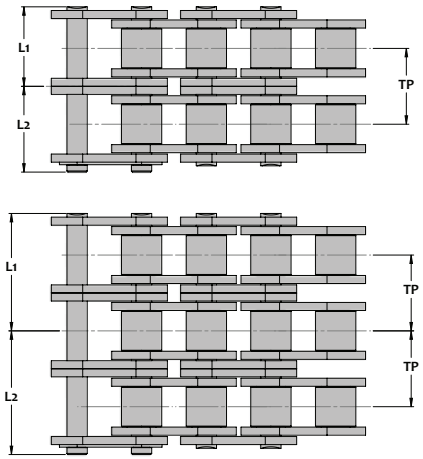
Chain Dimensions - Triple Strand

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
60HE-3	inch	0.750	0.469	0.500	0.234	1.59	1.69	3.17	3.27	0.689	0.126	1.028	37,500	6,045	3.61
	mm	19.05	11.91	12.70	5.94	40.3	42.8	80.6	83.1	17.5	3.2	26.1	17,045	2,750	5.39
80HE-3	inch	1.000	0.625	0.625	0.312	1.99	2.11	3.98	4.09	0.921	0.157	1.283	63,000	9,400	5.54
	mm	25.40	15.88	15.88	7.92	50.5	53.5	101.0	104.0	23.4	4.0	32.6	28,635	4,275	8.26
100HE-3	inch	1.250	0.750	0.750	0.375	2.38	2.52	4.76	4.90	1.154	0.188	1.539	96,000	14,900	8.22
	mm	31.75	19.05	19.05	9.53	60.4	64.0	120.8	124.4	29.3	4.8	39.1	43,635	6,775	12.26
120HE-3	inch	1.500	0.875	1.000	0.437	2.96	3.12	5.93	6.09	1.382	0.220	1.925	129,000	19,290	11.59
	mm	38.10	22.23	25.40	11.10	75.3	79.3	150.6	154.6	35.1	5.6	48.9	58,635	8,770	17.29
140HE-3	inch	1.750	1.000	1.000	0.500	3.19	3.37	6.37	6.55	1.610	0.250	2.055	169,800	25,400	16.61
	mm	44.45	25.40	25.40	12.70	80.9	85.5	161.8	166.4	40.9	6.4	52.2	77,180	11,545	24.77
160HE-3	inch	2.000	1.125	1.250	0.562	3.78	3.97	7.55	7.75	1.839	0.283	2.437	215,100	33,050	21.15
	mm	50.80	28.58	31.75	14.27	95.9	100.9	191.8	196.8	46.7	7.2	61.9	97,775	15,025	31.54
180HE-3	inch	2.250	1.406	1.406	0.687	4.19	4.42	8.38	8.61	2.067	0.315	2.700	297,300	40,240	30.13
	mm	57.15	35.71	35.71	17.45	106.4	112.3	212.8	218.7	52.5	8.0	68.6	135,135	18,290	44.94
200HE-3	inch	2.500	1.562	1.500	0.781	4.75	5.10	9.50	9.85	2.354	0.374	3.083	376,800	45,860	41,810
	mm	63.50	39.67	38.10	19.84	120.7	129.6	241.4	250.3	59.8	9.5	78.3	171,275	20,845	62.53

ASME/ANSI Super (SU) and Super Heavy (HSU) Roller Chain

Super Series roller chains utilize special alloy steels for pins, rollers and link plates to increase strength and durability. In addition quad staked pins improve fatigue strength and hold the assembly together better when challenged in the most severe conditions. Chains are available in standard (SU) and heavy (HSU) versions. Offset links are not available and connecting links will be press fit style. The suffix "SU" is used for Super Series and "HSU" is used for Super Heavy Series, after the chain number to denote this series.





Chain Dimensions - Single Strand SU Series

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.			
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
80SU	inch	1.000	0.625	0.625	0.312	0.65	0.75	1.29	1.40	0.949	0.126	18,950	4,180	1.88
	mm	25.40	15.88	15.88	7.92	16.4	19.1	32.8	35.5	24.1	3.2	8,615	1,900	2.81
100SU	inch	1.250	0.750	0.750	0.375	0.78	0.92	1.55	1.69	1.185	0.157	28,550	6,835	2.86
	mm	31.75	19.05	19.05	9.53	19.7	23.3	39.4	43.0	30.1	4.0	12,975	3,110	4.26
120SU	inch	1.500	0.875	1.000	0.437	0.98	1.13	1.95	2.10	1.425	0.188	41,800	8,815	4.22
	mm	38.10	22.23	25.40	11.10	24.8	28.6	49.6	53.4	36.2	4.8	19,000	4,010	6.30
140SU	inch	1.750	1.000	1.000	0.500	1.06	1.23	2.13	2.30	1.661	0.220	55,100	12,120	5.39
	mm	44.45	25.40	25.40	12.70	27.0	31.3	54.0	58.3	42.2	5.6	25,045	5,510	8.04
160SU	inch	2.000	1.125	1.250	0.562	1.27	1.44	2.54	2.7	1.898	0.250	70,600	15,870	7.24
	mm	50.80	28.58	31.75	14.27	32.2	36.5	64.4	68.7	48.2	6.4	32,090	7,215	10.8
200SU	inch	2.500	1.562	1.500	0.781	1.55	1.88	3.09	3.43	2.374	0.315	110,150	21150	11.8
	mm	63.50	39.67	38.10	19.84	39.3	47.7	78.6	87.0	60.3	8.0	50,070	9,615	17.6
240SU	inch	3.000	1.875	1.875	0.936	1.90	2.20	3.80	4.10	2.850	0.374	163,200	29,670	17.2
	mm	76.20	47.63	4763	23.78	48.2	55.9	96.4	104.1	72.4	9.5	74,180	13,485	25.6

Chain Dimensions - Single Strand HSU Series

80HSU	inch	1.000	0.625	0.625	0.312	0.70	0.82	1.41	1.52	0.949	0.157	22,050	4,630	2.23
	mm	25.40	15.88	15.88	7.92	17.9	20.8	35.7	38.7	24.1	4.0	10,025	2,105	3.33
100HSU	inch	1.250	0.750	0.750	0.375	0.83	0.97	1.67	1.81	1.185	0.188	32,600	7,285	3.27
	mm	31.75	19.05	19.05	9.53	21.2	24.7	42.4	45.9	30.1	4.8	14,820	3,310	4.88
120HSU	inch	1.500	0.875	1.000	0.437	1.04	1.21	2.08	2.25	1.425	0.220	44,050	9,485	4.65
	mm	38.10	22.23	25.40	11.10	26.4	30.8	52.8	57.2	36.2	5.6	20,025	4,310	6.94
140HSU	inch	1.750	1.000	1.000	0.500	1.13	1.31	2.25	2.43	1.661	0.250	57,300	12,790	5.95
	mm	44.45	25.40	25.40	12.70	28.6	33.2	57.2	61.8	42.2	6.4	26,045	5,815	8.87
160HSU	inch	2.000	1.125	1.250	0.562	1.34	1.54	2.68	2.87	1.898	0.283	72,800	16,520	7.85
	mm	50.80	28.58	31.75	14.27	34.0	39.0	67.9	73.0	48.2	7.2	33,090	7,510	11.7

ASME/ANSI Super (SU) and Super Heavy (HSU) Series Roller Chain

Chain Dimensions - Double and Triple Strand SU Series

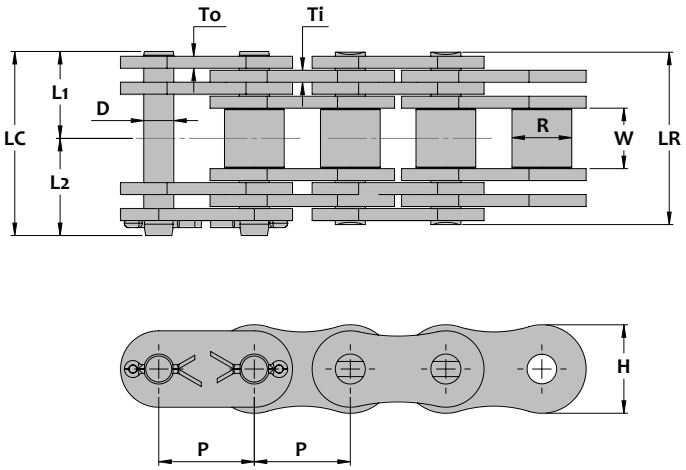
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
80-2SU	inch	1.000	0.625	0.625	0.312	1.21	1.33	2.43	2.54	0.949	0.126	1.154	37,990	7,105	3.78
	mm	25.40	15.88	15.88	7.92	30.8	33.7	61.6	64.5	24.1	3.2	29.3	17,270	3,230	5.63
80-3SU	inch					1.79	1.91	3.58	3.70				56,850	10,450	5.64
	mm					45.5	48.6	90.9	94.1				25,840	4,750	8.41
100-2SU	inch	1.250	0.750	0.750	0.375	1.48	1.62	2.96	3.10	1.185	0.157	1.409	57,100	11,620	5.62
	mm	31.75	19.05	19.05	9.53	37.6	41.2	75.2	78.8	30.1	4.0	35.8	25,955	5,280	8.38
100-3SU	inch					2.19	2.33	4.37	4.51				85,650	17,080	8.43
	mm					55.5	59.1	110.9	114.6				38,930	7,765	12.6
120-2SU	inch	1.500	0.875	1.000	0.437	1.87	2.02	3.74	3.89	1.425	0.188	1.787	83,600	14,970	8.34
	mm	38.10	22.23	25.40	11.10	47.5	51.3	95.0	98.8	36.2	4.8	45.4	38,000	6,805	12.4
120-3SU	inch					2.76	2.91	5.52	5.68				125,400	22,030	12.5
	mm					70.2	74.0	140.3	144.2				57,000	10,015	18.7
140-2SU	inch	1.750	1.000	1.000	0.500	2.03	2.19	4.06	4.22	1.661	0.220	1.925	110,200	20,590	10.7
	mm	44.45	25.40	25.40	12.70	51.5	55.7	103.0	107.2	42.2	5.6	48.9	50,090	9,360	15.9
140-3SU	inch					2.99	3.17	5.97	6.15				165,300	30,350	16.0
	mm					75.9	80.4	151.7	156.3				75,135	13,795	23.8
160-2SU	inch	2.000	1.125	1.250	0.562	2.42	2.59	4.83	5.01	1.898	0.250	2.303	141,200	26,980	14.4
	mm	50.80	28.58	31.75	14.27	61.4	65.8	122.8	127.2	48.2	6.4	58.5	64,180	12,265	21.4
160-3SU	inch					3.57	3.74	7.14	7.31				211,800	39,790	21.5
	mm					120.2	124.5	240.3	244.7				96,275	18,085	32.1
200-2SU	inch	2.500	1.562	1.500	0.781	2.96	3.29	5.91	6.25	2.374	0.315	2.819	220,300	35,970	23.4
	mm	63.50	39.67	38.10	19.84	75.1	83.6	150.2	158.7	60.3	8.0	71.6	100,135	16,350	34.9
240-2SU	inch	3.000	1.875	1.875	0.936	3.63	3.93	7.25	7.55	2.850	0.374	3.457	326,400	50,360	34.1
	mm	76.20	47.63	4763	23.78	92.1	99.7	184.2	191.8	72.4	9.5	87.8	148,365	22,890	50.9

Chain Dimensions - Double Strand HSU Series

80H-2SU	inch	1.000	0.625	0.625	0.312	1.35	1.46	2.69	2.81	0.949	0.157	1.283	44,100	7,870	4.47
	mm	25.40	15.88	15.88	7.92	34.2	37.1	68.4	71.3	24.1	4.0	32.6	20,045	3,575	6.67
100H-2SU	inch	1.250	0.750	0.750	0.375	1.61	1.74	3.21	3.35	1.185	0.188	1.539	65,200	12,390	6.44
	mm	31.75	19.05	19.05	9.53	40.8	44.2	81.6	85.0	30.1	4.8	39.1	29,635	5,630	9.60
120H-2SU	inch	1.500	0.875	1.000	0.437	2.01	2.17	4.02	4.18	1.425	0.220	1.925	88,100	16,120	9.19
	mm	38.10	22.23	25.40	11.10	51.0	55.1	102.0	106.1	36.2	5.6	48.9	40,045	7,325	13.7
140H-2SU	inch	1.750	1.000	1.000	0.500	2.15	2.33	4.31	4.49	1.661	0.250	2.055	114,600	21,740	11.8
	mm	44.45	25.40	25.40	12.70	54.7	59.3	109.4	114.0	42.2	6.4	52.2	52,090	9,880	17.6
160H-2SU	inch	2.000	1.125	1.250	0.562	2.56	2.76	5.11	5.31	1.898	0.283	2.437	145,600	28,080	15.5
	mm	50.80	28.58	31.75	14.27	64.9	70.0	129.8	134.9	48.2	7.2	61.9	66,180	12,765	23.2

Double Capacity Roller Chain

Double Capacity roller chains possess twice the number of link plates as single strand roller chain and therefore have twice the ultimate strength. These combination roller/leaf chains are best used on high load hoist, pull down or other tension linkage applications. They may also be used on slow speed drives where link plate breakage or pin shear is an ongoing problem. Double Capacity roller chains operate on standard ASME/ANSI or ISO 606B British Standard sprockets with hardened teeth. Offset Links are not available for this series.



Chain Dimensions - ASME ANSI Standard

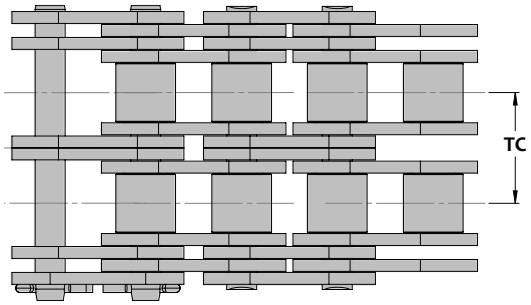
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate			Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Inside Width	Dia	Dia	Length				Height	Thickness				
		P	W	R	D	L1	L2	LR	LC	H	To	Ti	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
80DC	inch	1.000	0.625	0.625	0.312	0.90	1.02	1.80	1.92	0.921	0.125		35,300	5,035	2.92
	mm	25.40	15.88	15.88	7.92	22.8	25.9	45.6	48.7	23.4	3.2		16,045	2,290	4.36
100DC	inch	1.250	0.750	0.750	0.375	1.10	1.24	2.20	2.34	1.154	0.157		52,830	7,530	4.35
	mm	31.75	19.05	19.05	9.53	27.9	31.6	55.8	59.5	29.3	4.0		24,015	3,425	6.48
120DC	inch	1.500	0.875	1.000	0.437	1.36	1.53	2.72	2.89	1.382	0.188		77,110	11,020	6.35
	mm	38.10	22.23	25.40	11.10	34.5	38.8	69.0	73.3	35.1	4.8		35,050	5,010	9.47
140DC	inch	1.750	1.000	1.000	0.500	1.50	1.69	3.01	3.19	1.610	0.220		101,390	14,480	8.29
	mm	44.45	25.40	25.40	12.70	38.2	42.9	76.4	81.1	40.9	5.6		46,085	6,580	12.4
160DC	inch	2.000	1.125	1.250	0.562	1.77	1.97	3.54	3.74	1.839	0.250		125,670	17,940	11.2
	mm	50.80	28.58	31.75	14.27	45.0	50.1	90.0	95.1	46.7	6.4		57,125	8,155	16.7
180DC	inch	2.250	1.406	1.406	0.687	2.00	2.24	4.00	4.24	2.067	0.283		163,210	23,150	14.4
	mm	57.15	35.7	35.7	17.45	50.8	56.9	101.6	107.7	52.5	7.2		74,185	10,525	21.5
200DC	inch	2.500	1.562	1.500	0.781	2.19	2.54	4.38	4.72	2.354	0.315		209,520	29,900	18.8
	mm	63.50	39.67	38.10	19.84	55.6	64.4	111.2	120.0	59.8	8.0		95,235	13,590	28.0
240DC	inch	3.000	1.875	1.875	0.936	2.67	2.97	5.34	5.64	2.768	0.374		304,170	43,390	27.2
	mm	76.20	47.63	4763	23.78	67.8	75.4	135.6	143.2	70.3	9.5		138,260	19,725	40.6

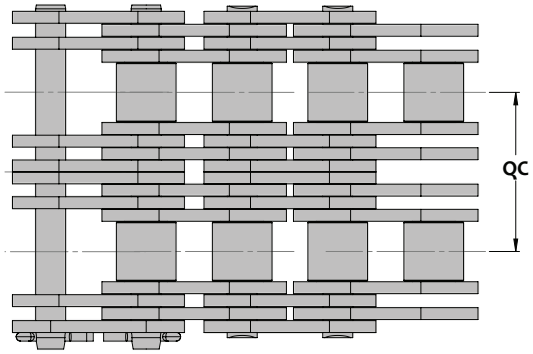
Chain Dimensions - British Standard

16BDC	inch	1.000	0.673	0.625	0.312	0.98	1.11	1.97	2.09	0.921	0.157	0.125	30,800	4,385	2.99
	mm	25.40	17.1	15.88	7.93	25.0	28.2	50.0	53.2	23.4	4.0	3.2	14,000	1,995	4.46
20BDC	inch	1.250	0.772	0.750	0.375	1.10	1.28	2.20	2.38	1.154	0.177	0.138	47,660	6,790	4.28
	mm	31.75	19.6	19.05	9.53	28.0	32.4	56.0	60.4	29.3	4.5	3.5	21,665	3,085	6.38
24BDC	inch	1.500	1.000	1.000	0.437	1.48	1.69	2.97	3.17	1.382	0.232	0.193	80,700	11,510	7.30
	mm	38.10	25.4	25.40	11.10	37.7	42.8	75.4	80.5	35.1	5.9	4.9	36,680	5,230	10.9
28BDC	inch	1.750	1.220	1.100	0.500	1.83	2.06	3.66	3.89	1.610	0.291	0.248	100,490	14,340	9.94
	mm	44.45	31.0	27.94	12.70	46.5	52.3	93.0	98.8	40.9	7.4	6.3	45,675	6,520	14.8
32BDC	inch	2.000	1.244	1.125	0.562	1.82	2.06	3.64	3.88	1.839	0.272	0.248	123,420	17,625	10.4
	mm	50.80	31.6	28.58	14.28	46.2	52.3	92.4	98.5	46.7	6.9	6.3	56,100	8,010	15.5

ASME/ANSI Triple and Quad Capacity Roller Chain

Triple and Quad Capacity roller chains possess three and four times respectively the number of link plates as single strand roller chain and therefore have significantly greater ultimate strength. These combination roller/leaf chains are best used on high load hoist, pull down or other tension linkage applications. Triple and Quad Capacity roller chains operate on special sprockets with hardened teeth. Offset links are not available for this series.





Chain Dimensions - ASME ANSI Standard

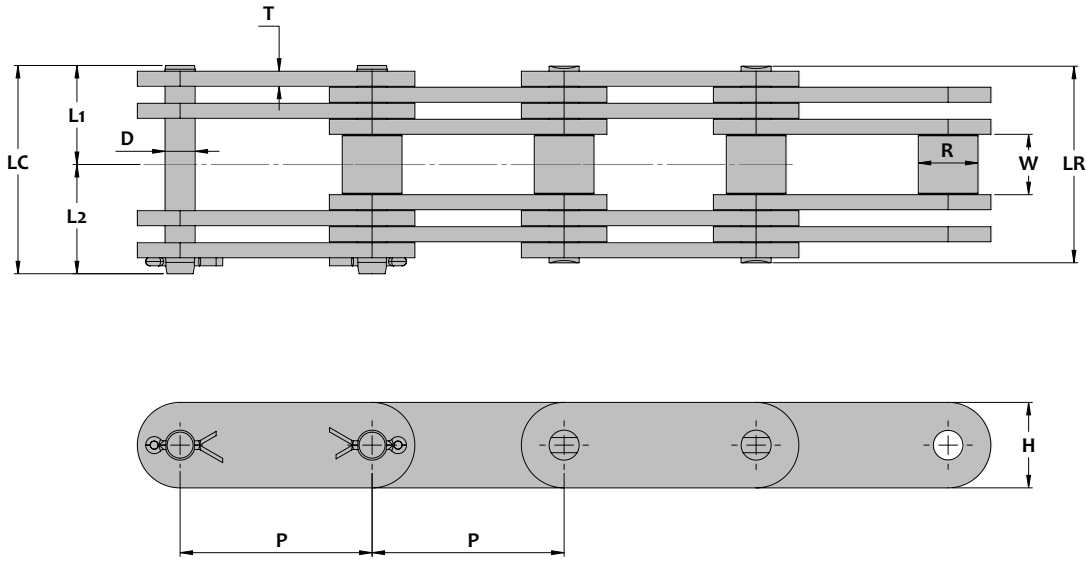
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin Dia	Side Plate			Transverse Pitch		Average Ultimate Strength	
			Inside Width	Dia		Height	Thickness				Triple Capacity	Quad Capacity
		P	W	R	D	H	To	Ti	TC	QC	Lbs Kg-f	Lbs Kg-f
80-TC-QC	inch	1.000	0.625	0.625	0.312	0.921	0.125		1.154	1.657	52,830	70,590
	mm	25.40	15.88	15.88	7.92	23.4	3.2		29.3	42.1	24,015	32,085
100-TC-QC	inch	1.250	0.750	0.750	0.375	1.154	0.157		1.409	2.039	79,130	105,660
	mm	31.75	19.05	19.05	9.53	29.3	4.0		35.8	51.8	35,970	48,025
120-TC-QC	inch	1.500	0.875	1.000	0.437	1.382	0.188		1.787	2.528	115,550	154,220
	mm	38.10	22.23	25.40	11.10	35.1	4.8		45.4	64.2	52,525	70,100
140-TC-QC	inch	1.750	1.000	1.000	0.500	1.610	0.220		1.925	2.807	151,970	202,780
	mm	44.45	25.40	25.40	12.70	40.9	5.6		48.9	71.3	69,075	92,775
160-TC-QC	inch	2.000	1.125	1.250	0.562	1.839	0.250		2.303	3.311	188,390	251,340
	mm	50.80	28.58	31.75	14.27	46.7	6.4		58.5	84.1	85,630	114,245
180-TC-QC	inch	2.250	1.406	1.406	0.687	2.067	0.283		2.591	3.724	244,820	326,420
	mm	57.15	35.7	35.7	17.45	52.5	7.2		65.8	94.6	111,280	148,375
200-TC-QC	inch	2.500	1.562	1.500	0.781	2.354	0.315		2.819	4.079	314,280	419,040
	mm	63.50	39.67	38.10	19.84	59.8	8.0		71.6	103.6	142,855	190,475
240-TC-QC	inch	3.000	1.875	1.875	0.936	2.768	0.374		3.457	4.953	456,140	608,330
	mm	76.20	47.63	4763	23.78	70.3	9.5		87.8	125.8	207,335	276,515

Chain Dimensions - British Standard

16B-TC-QC	inch	1.000	0.673	0.625	0.312	0.921	0.157	0.125	1.256	1.760	46,090	61,600
	mm	25.40	17.1	15.88	7.93	23.4	4.0	3.2	31.9	44.7	20,950	28,000
20B-TC-QC	inch	1.250	0.772	0.750	0.375	1.154	0.177	0.138	1.437	1.988	71,490	95,320
	mm	31.75	19.6	19.05	9.53	29.3	4.5	3.5	36.5	50.5	32,495	43,325
24B-TC-QC	inch	1.500	1.000	1.000	0.437	1.382	0.232	0.193	1.906	2.677	120,950	161,410
	mm	38.10	25.4	25.40	11.10	35.1	5.9	4.9	48.4	68.0	54,825	73,370
28B-TC-QC	inch	1.750	1.220	1.100	0.500	1.610	0.291	0.248	2.346	3.339	150,620	200,980
	mm	44.45	31.0	27.94	12.70	40.9	7.4	6.3	59.6	84.8	68,465	91,220
32B-TC-QC	inch	2.000	1.244	1.125	0.562	1.839	0.272	0.248	2.307	3.299	185,020	246,840
	mm	50.80	31.6	28.58	14.28	46.7	6.9	6.3	58.6	83.8	84,100	112,200

ASME/ANSI Double Pitch Double Capacity Roller Chain

Double Capacity roller chains possess twice the number of link plates as single strand roller chain and therefore have twice the ultimate strength. These combination roller/leaf chains are best used on high load hoist, pull down or other tension linkage applications. They may also be used on slow speed drives where link plate breakage or pin shear is an ongoing problem. Double Capacity roller chains operate on standard ASME/ANSI sprockets with hardened teeth. Offset Links are not available for this series.

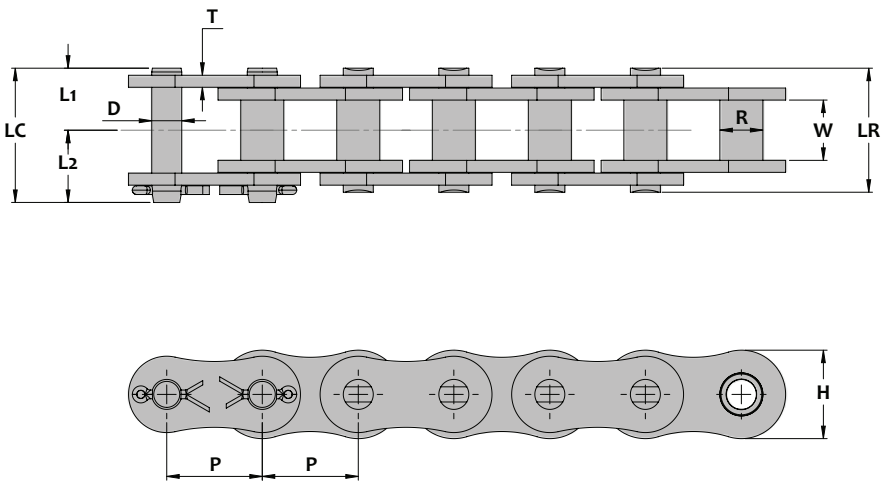


Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Inside Width	Dia.	Dia.	Length				Height	Thickness			
		P	W	R	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040DC	inch	1.000	0.312	0.313	0.156	0.45	0.52	0.91	0.97	0.449	0.060	8,590	905	0.34
	mm	25.40	7.92	7.95	3.96	11.5	13.2	23.0	24.7	11.4	1.5	3,905	411	0.50
C2050DC	inch	1.250	0.400	0.375	0.200	0.57	0.63	1.13	1.20	0.591	0.080	14,340	1,510	0.57
	mm	31.75	10.16	9.53	5.08	14.4	16.1	28.8	30.5	15.0	2.0	8,520	686	0.85
C2060HDC	inch	1.500	0.469	0.500	0.234	0.83	0.91	1.66	1.74	0.669	0.126	24,680	2,600	0.98
	mm	38.10	11.91	12.70	5.95	21.1	23.1	42.2	44.2	17.0	3.2	11,220	1,180	1.46
C2080HDC	inch	2.000	0.625	0.625	0.312	1.02	1.15	2.05	2.17	0.890	0.157	40,560	4,270	1.68
	mm	50.80	15.88	15.88	7.93	26.0	29.1	52.0	55.1	22.6	4.0	18,435	1,940	2.50
C2100HDC	inch	2.500	0.750	0.750	0.375	1.22	1.36	2.44	2.58	1.126	0.189	61,600	6,485	2.55
	mm	63.50	19.05	19.05	9.53	31.0	34.6	62.0	65.6	28.6	4.8	28,000	2,950	3.81
C2120HDC	inch	3.000	0.875	1.000	0.437	1.53	1.7	3.06	3.23	1.374	0.220	83,630	8,805	3.69
	mm	76.20	22.23	25.40	11.10	38.9	43.2	77.8	82.1	34.9	5.6	38,015	4,000	5.50
C2160HDC	inch	4.000	1.125	1.250	0.562	1.92	2.12	3.83	4.04	1.874	0.283	137,580	14,480	6.22
	mm	101.60	28.58	31.75	14.28	48.7	53.9	97.4	102.6	47.6	7.2	62,535	6,580	9.27

ASME/ANSI Rollerless Hoist Chain

ASME/ANSI Rollerless Hoist Chains are designed for high load tension linkage applications such as hoists, lifts or reciprocating motion equipment. Chain pins are through hardened and quad staked for additional strength and holding power. Offset links are not available for these chains. The chain numbers are the same as ASME/ANSI standard Roller Chains except that the last digit is changed to a "5" instead of a "0".

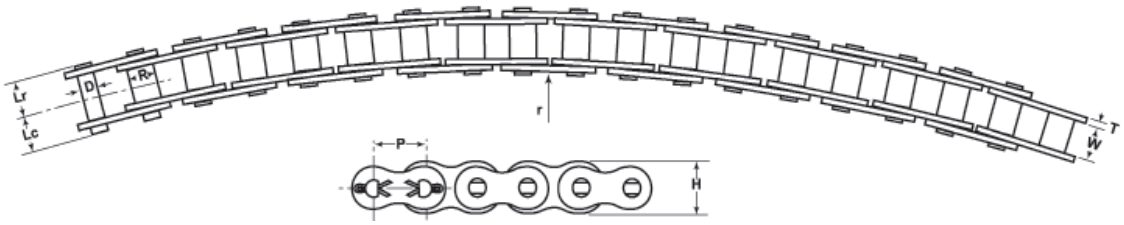


Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Bushing		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Dia	Length				Height	Thick.			
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
65	inch	0.750	0.330	0.500	0.234	0.50	0.56	1.01	1.06	0.689	0.094	10,300	2,475	0.81
	mm	19.05	8.38	12.70	5.94	12.8	14.1	25.6	26.9	17.5	2.4	4,680	1,125	1.21
85	inch	1.000	0.448	0.625	0.312	0.65	0.75	1.29	1.40	0.921	0.126	17,850	4,135	1.41
	mm	25.40	11.38	15.88	7.92	16.4	19.1	32.8	35.5	23.4	3.2	8,115	1,880	2.10
105	inch	1.250	0.533	0.750	0.375	0.78	0.92	1.55	1.69	1.154	0.157	26,750	6,360	2.08
	mm	31.75	13.54	19.05	9.53	19.7	23.3	39.4	43.0	29.3	4.0	12,160	2,890	3.10
125	inch	1.500	0.627	1.000	0.437	0.98	1.13	1.95	2.10	1.382	0.188	39,110	8,540	3.04
	mm	38.10	15.92	25.40	11.10	24.8	28.6	49.6	53.4	35.1	4.8	17,775	3,880	4.53

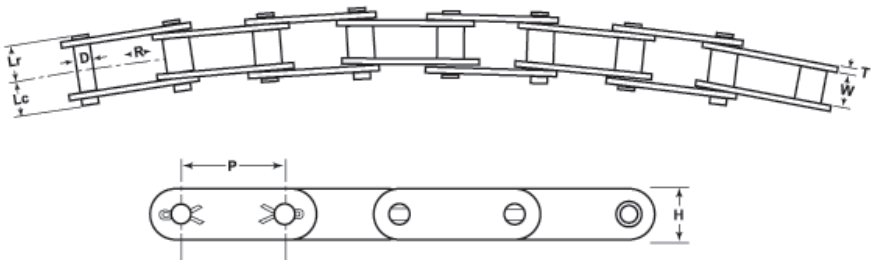
Side Bow (Curved) Roller Chain

Side Bow (Curved) roller chains are designed with extra clearance between pins, bushings and link plates to allow operation around a curved path and/or a required twist.



Chain Dimensions - ASME/ANSI Standard

SENQCIA Chain Number	Units	Chain Pitch	Bushing		Pin			Side Plate		Minimum Curve Radius	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Dia	Length		Height	Thick.				
		P	R	W	D	Lr	Lc	H	T	r	lbs kN	lbs kN	lbs/ft kg/m
40SB	inch	0.500	0.312	0.313	0.141	0.33	0.41	0.461	0.060	13.78	3,350	400	0.42
	mm	12.70	7.92	7.95	3.58	8.5	10.4	11.7	1.5	350	14.9	1.77	0.63
50SB	inch	0.625	0.400	0.375	0.175	0.42	0.49	0.575	0.080	15.75	4,970	705	0.69
	mm	15.875	10.16	9.53	4.45	10.6	12.5	14.6	2.0	400	22.1	3.14	1.03
60SB	inch	0.750	0.469	0.500	0.200	0.52	0.59	0.689	0.094	19.69	6,610	950	0.98
	mm	19.05	11.91	12.70	5.08	13.2	14.9	17.5	2.4	500	29.4	4.22	1.46
80SB	inch	1.000	0.625	0.625	0.281	0.66	0.78	0.921	0.126	23.62	13,020	1,720	1.62
	mm	25.40	15.88	15.88	7.13	16.7	19.7	23.4	3.2	600	57.9	7.65	2.42

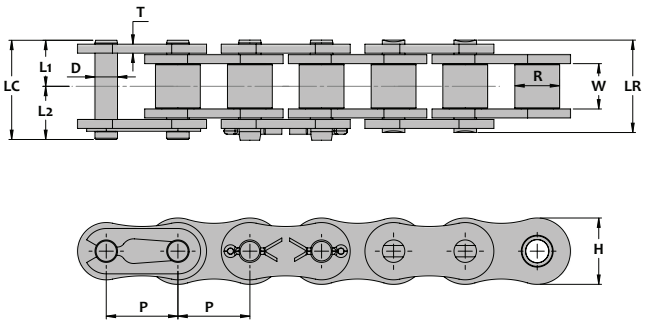


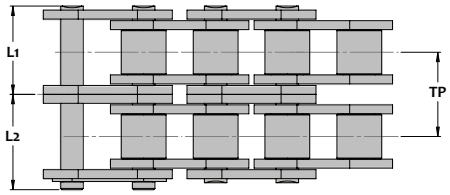
Chain Dimensions - ASME/ANSI Double Pitch

SENQCIA Chain Number	Units	Chain Pitch	Bushing		Pin			Side Plate		Minimum Curve Radius	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Dia	Length		Height	Thick.				
		P	R	W	D	Lr	Lc	H	T	r	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040SB	inch	1.00	0.312	0.313	0.141	0.33	0.41	0.449	0.060	27.56	3,350	400	0.32
	mm	25.40	7.92	7.95	3.58	8.5	10.4	11.4	1.5	700	1,525	182	0.48
C2042SB	inch		0.625										0.55
	mm		15.88										0.82
C2050SB	inch	1.25	0.400	0.375	0.175	0.42	0.49	0.591	0.080	31.50	4,970	705	0.55
	mm	31.75	10.16	9.53	4.45	10.6	12.5	15.0	2.0	800	2,260	320	0.82
C2052SB	inch		0.750										0.84
	mm		19.05										1.26
C2060SB	inch	1.500	0.469	0.500	0.200	0.52	0.59	0.669	0.094	39.37	6,610	950	0.80
	mm	38.10	11.91	12.70	5.08	13.2	14.9	17.0	2.4	1,000	3,005	432	1.20
C2062SB	inch		0.875										1.35
	mm		22.23										2.01

ASME/ANSI Standard Nickel Plated Roller Chain

Nickel Plated roller chains generally provide good performance in mild corrosive applications such as general outdoor service. Lubrication is necessary to prevent rust for long periods of time in most cases. Parts are plated prior to heat treatment to assure maximum corrosion protection to the internal components of the chain. This plating provides a bright shiny finish which is sometimes applied for aesthetic reasons





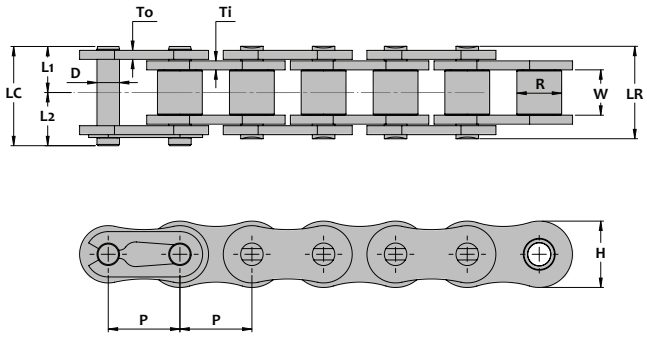
Chain Dimensions - Single Strand

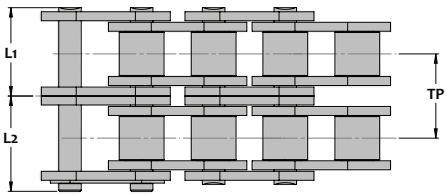
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
25NP	inch	0.250	0.130	0.125	0.091	0.15	0.19	0.30	0.34	0.230	0.030	-	1,050	140	0.10
	mm	6.35	3.20	3.18	2.31	3.8	4.8	7.6	8.6	5.84	0.76	-	475	64	0.15
35NP	inch	0.375	0.200	0.188	0.141	0.24	0.27	0.47	0.51	0.354	0.050	-	2,430	420	0.23
	mm	9.525	5.08	4.78	3.58	6.0	6.9	12.0	12.9	9.0	1.25	-	1,105	191	0.34
41NP	inch	0.500	0.306	0.250	0.141	0.26	0.31	0.52	0.57	0.382	0.050	-	2,600	500	0.30
	mm	12.70	7.77	6.35	3.58	6.6	7.9	13.2	14.5	9.7	1.25	-	1,180	227	0.45
40NP	inch	0.500	0.312	0.313	0.156	0.33	0.38	0.65	0.70	0.461	0.060	-	4,300	685	0.40
	mm	12.70	7.92	7.95	3.96	8.3	9.6	16.6	17.9	11.7	1.5	-	1,955	311	0.60
50NP	inch	0.625	0.400	0.375	0.200	0.40	0.46	0.80	0.87	0.575	0.080	-	7,200	1,210	0.66
	mm	15.875	10.16	9.53	5.08	10.2	11.8	20.4	22.0	14.6	2.0	-	3,275	550	0.98
60NP	inch	0.750	0.469	0.500	0.234	0.50	0.56	1.00	1.06	0.689	0.094	-	10,000	1,630	0.98
	mm	19.05	11.91	12.70	5.95	12.8	14.1	25.5	26.9	17.5	2.4	-	4,545	741	1.46
80NP	inch	1.000	0.625	0.625	0.312	0.65	0.75	1.29	1.40	0.921	0.126	-	17,650	2,850	1.69
	mm	25.4	15.88	15.88	7.93	16.4	19.1	32.8	35.5	23.4	3.2	-	8,025	1,295	2.52
100NP	inch	1.250	0.75	0.750	0.375	0.78	0.92	1.55	1.69	1.154	0.157	-	26,500	4,290	2.62
	mm	31.75	19.05	19.05	9.53	19.7	23.3	39.4	43.0	29.3	4.0	-	12,045	1,950	3.91

Chain Dimensions - Double Strand

35-2NP	inch	0.375	0.200	0.188	0.141	0.44	0.47	0.87	0.91	0.354	0.050	0.398	4,860	710	1.09
	mm	9.525	5.08	4.78	3.58	11.1	11.9	22.2	23.0	9.0	1.25	10.1	2,210	323	1.63
40-2NP	inch	0.500	0.312	0.313	0.156	0.61	0.66	1.21	1.27	0.461	0.060	0.567	8,600	1,160	1.22
	mm	12.70	7.92	7.95	3.96	15.4	16.8	30.8	32.2	11.7	1.5	14.4	3,910	527	1.22
50-2NP	inch	0.625	0.400	0.375	0.200	0.76	0.82	1.51	1.57	0.575	0.080	0.712	14,400	2,040	2.95
	mm	15.875	10.16	9.53	5.08	19.2	20.8	38.4	40.0	14.6	2.0	18.08	6,545	927	2.00
60-2NP	inch	0.750	0.469	0.500	0.234	0.94	1.01	1.90	1.96	0.689	0.094	0.898	19,800	2,765	1.98
	mm	19.05	11.91	12.70	5.95	24.0	25.7	48.2	49.7	17.5	2.4	22.8	9,000	1,255	2.95
80-2NP	inch	1.000	0.625	0.625	0.312	1.21	1.33	2.43	2.54	0.921	0.126	1.154	35,300	4,855	3.42
	mm	25.4	15.88	15.88	7.93	30.8	33.7	61.6	64.5	23.4	3.2	29.3	16,045	2,205	5.10

ISO 606B British Standard Nickel Plated Roller Chain





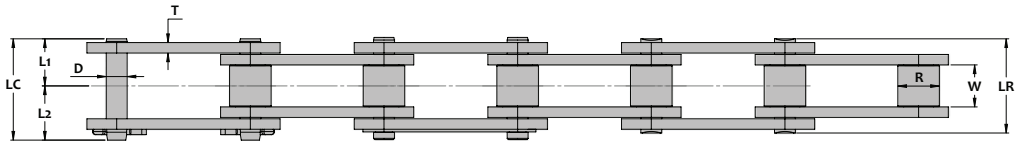
Chain Dimensions - Single Strand

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate			Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Inside Width	Dia.	Dia.	Length				Height	Thickness					
		P	W	R	D	L1	L2	LR	LC	H	To	Ti	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
06BNP	inch	0.375	0.225	0.250	0.130	0.25	0.28	0.50	0.53	0.323	0.040	0.050	-	2,200	400	0.29
	mm	9.525	5.72	6.35	3.28	6.3	7.1	12.6	13.4	8.2	1.0	1.25	-	1,000	182	0.43
08BNP	inch	0.500	0.305	0.335	0.175	0.33	0.39	0.66	0.72	0.465	0.060		-	4,400	705	0.41
	mm	12.70	7.75	8.51	4.45	8.4	9.8	16.7	18.2	11.8	1.5		-	2,000	320	0.61
10BNP	inch	0.625	0.380	0.400	0.200	0.37	0.44	0.75	0.81	0.579	0.065		-	5,600	1,100	0.60
	mm	15.875	9.65	10.16	5.08	9.5	11.2	19.0	20.7	14.7	1.65		-	2,545	500	0.89
12BNP	inch	0.750	0.460	0.475	0.225	0.43	0.50	0.87	0.93	0.634	0.070		-	7,190	1,585	0.76
	mm	19.05	11.68	12.07	5.7	11.0	12.6	22.0	23.6	16.1	1.8		-	3,270	720	1.14
16BNP	inch	1.000	0.670	0.625	0.325	0.69	0.81	1.38	1.50	0.827	0.126	0.157	-	15,400	2,835	1.74
	mm	25.40	17.02	15.88	8.26	17.6	20.6	35.1	38.2	21.0	3.2	4.0	-	7,000	1,290	2.59
20BNP	inch	1.250	0.770	0.750	0.400	0.79	0.94	1.58	1.73	1.039	0.138	0.177	-	23,800	4,405	2.52
	mm	31.75	19.56	19.05	10.16	20.1	23.9	40.2	44.0	26.4	3.5	4.5	-	10,820	2,000	3.76

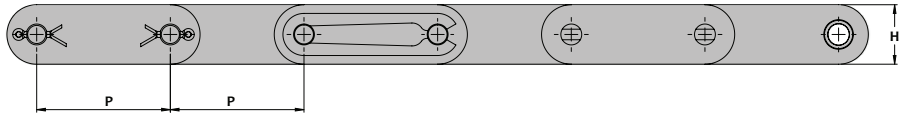
Chain Dimensions - Double Strand

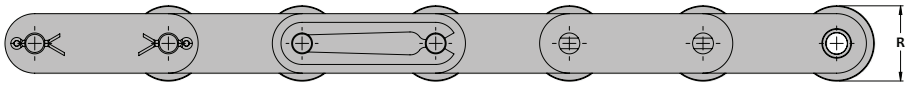
06B-2NP	inch	0.375	0.225	0.250	0.130	0.45	0.48	0.90	0.93	0.323	0.040	0.050	0.403	4,360	675	0.54
	mm	9.525	5.72	6.35	3.28	11.4	12.3	22.9	23.7	8.2	1.0	1.25	10.24	1,980	307	0.81
08B-2NP	inch	0.500	0.305	0.335	0.175	0.60	0.65	1.20	1.26	0.465	0.060		0.548	7,760	1,205	0.84
	mm	12.70	7.75	8.51	4.45	15.3	16.6	30.6	31.9	11.8	1.5		13.92	3,525	548	1.26
10B-2NP	inch	0.625	0.380	0.400	0.200	0.70	0.77	1.40	1.47	0.579	0.065		0.653	11,200	1,875	1.20
	mm	15.875	9.65	10.16	5.08	17.8	19.5	35.6	37.3	14.7	1.65		16.59	5,090	852	1.79
12B-2NP	inch	0.750	0.460	0.475	0.225	0.82	0.88	1.64	1.70	0.634	0.070		0.766	14,390	2,700	1.53
	mm	19.05	11.68	12.07	5.7	20.8	22.3	41.6	43.1	16.1	1.8		19.46	6,540	1,225	2.28
16B-2NP	inch	1.000	0.670	0.625	0.325	1.32	1.44	2.64	2.76	0.827	0.126	0.157	1.255	30,300	4,810	3.44
	mm	25.40	17.02	15.88	8.26	33.6	36.5	67.2	70.1	21.0	3.2	4.0	31.88	13,775	2,185	5.13
20B-2NP	inch	1.250	0.770	0.750	0.400	1.51	1.66	3.02	3.17	1.039	0.138	0.177	1.435	46,700	7,485	4.87
	mm	31.75	19.56	19.05	10.16	38.4	42.2	76.8	80.6	26.4	3.5	4.5	36.45	21,225	3,400	7.26

ASME/ANSI Double Pitch Nickel Plated Roller Chain



Standard Roller





Large Roller

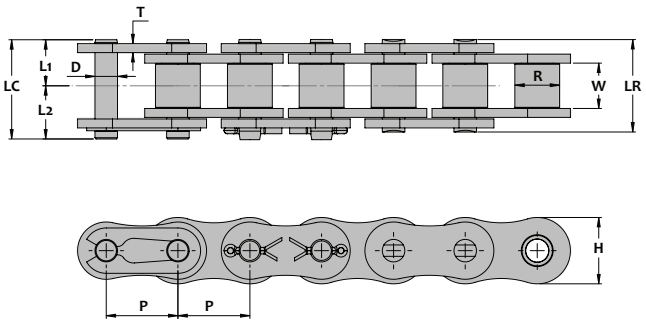
Chain Dimensions - Standard Roller

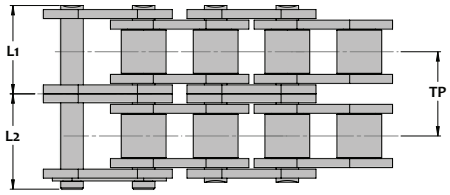
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Dia	Length				Height	Thick.			
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040NP	inch	1.000	0.312	0.313	0.156	0.32	0.41	0.65	0.73	0.449	0.060	3,800	595	0.32
	mm	25.40	7.92	7.95	3.96	8.2	10.3	16.4	18.5	11.4	1.5	1,725	270	0.48
C2050NP	inch	1.250	0.400	0.375	0.200	0.40	0.46	0.80	0.87	0.591	0.080	6,200	970	0.55
	mm	31.75	10.16	9.53	5.08	10.2	11.8	20.4	22.0	15.0	2.0	2,820	441	0.82
C2060HNP	inch	1.500	0.469	0.500	0.234	0.57	0.65	1.13	1.22	0.669	0.126	9,050	1,865	0.93
	mm	38.10	11.91	12.70	5.95	14.4	16.6	28.8	31.0	17.0	3.2	4,115	848	1.38
C2080HNP	inch	2.000	0.625	0.625	0.312	0.70	0.83	1.40	1.53	0.890	0.157	15,500	3,415	1.56
	mm	50.80	15.88	15.88	7.93	17.8	21.0	35.6	38.8	22.6	4.0	7,045	1,550	2.32

Chain Dimensions - Large Roller

C2042NP	inch	1.000	0.625	0.313	0.156	0.32	0.41	0.65	0.73	0.449	0.060	3,800	595	0.55
	mm	25.40	15.88	7.95	3.96	8.2	10.3	16.4	18.5	11.4	1.5	1,725	270	0.82
C2052NP	inch	1.250	0.750	0.375	0.200	0.40	0.46	0.80	0.87	0.591	0.080	6,200	970	0.84
	mm	31.75	19.05	9.53	5.08	10.2	11.8	20.4	22.0	15.0	2.0	2,820	441	1.26
C2062HNP	inch	1.500	0.875	0.500	0.234	0.57	0.65	1.13	1.22	0.669	0.126	9,050	1,865	1.39
	mm	38.10	22.23	12.70	5.95	14.4	16.6	28.8	31.0	17.0	3.2	4,115	848	2.08
C2082HNP	inch	2.000	1.125	0.625	0.312	0.70	0.83	1.40	1.53	0.890	0.157	15,500	3,415	2.25
	mm	50.80	28.58	15.88	7.93	17.8	21.0	35.6	38.8	22.6	4.0	7,045	1,550	3.36

ASME/ANSI Standard 304 Stainless Steel Roller Chain





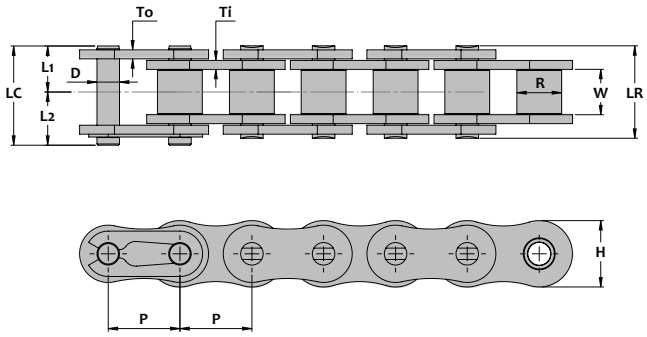
Chain Dimensions - Single Strand

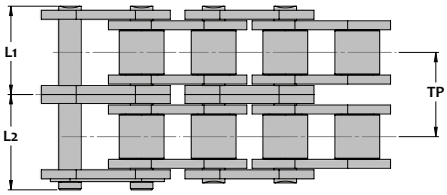
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
25SS	inch	0.250	0.130	0.125	0.091	0.15	0.19	0.30	0.34	0.230	0.030	-	700	27	0.10
	mm	6.35	3.20	3.18	2.31	3.8	4.8	7.6	8.6	5.84	0.76	-	318	12	0.15
35SS	inch	0.375	0.200	0.188	0.141	0.24	0.27	0.47	0.51	0.354	0.050	-	1,400	60	0.23
	mm	9.525	5.08	4.78	3.58	6.0	6.9	12.0	12.9	9.0	1.25	-	636	27	0.34
41SS	inch	0.500	0.306	0.250	0.141	0.26	0.31	0.52	0.57	0.382	0.050	-	1,700	70	0.30
	mm	12.70	7.77	6.35	3.58	6.6	7.9	13.2	14.5	9.7	1.25	-	773	32	0.45
40SS	inch	0.500	0.312	0.313	0.156	0.33	0.38	0.65	0.70	0.461	0.060	-	2,790	100	0.40
	mm	12.70	7.92	7.95	3.96	8.3	9.6	16.6	17.9	11.7	1.5	-	1,270	45	0.60
50SS	inch	0.625	0.400	0.375	0.200	0.40	0.46	0.80	0.87	0.575	0.080	-	4,560	150	0.66
	mm	15.875	10.16	9.53	5.08	10.2	11.8	20.4	22.0	14.6	2.0	-	2,075	68	0.98
60SS	inch	0.750	0.469	0.500	0.234	0.50	0.56	1.00	1.06	0.689	0.094	-	6,160	230	0.98
	mm	19.05	11.91	12.70	5.95	12.8	14.1	25.5	26.9	17.5	2.4	-	2,800	105	1.46
80SS	inch	1.000	0.625	0.625	0.312	0.65	0.75	1.29	1.40	0.921	0.126	-	10,590	400	1.69
	mm	25.4	15.88	15.88	7.93	16.4	19.1	32.8	35.5	23.4	3.2	-	4,815	182	2.52
100SS	inch	1.250	0.75	0.750	0.375	0.78	0.92	1.55	1.69	1.154	0.157	-	12,790	570	2.62
	mm	31.75	19.05	19.05	9.53	19.7	23.3	39.4	43.0	29.3	4.0	-	5,815	259	3.91

Chain Dimensions - Double Strand

35-2SS	inch	0.375	0.200	0.188	0.141	0.44	0.47	0.87	0.91	0.354	0.050	0.398	2,800	120	1.09
	mm	9.525	5.08	4.78	3.58	11.1	11.9	22.2	23.0	9.0	1.25	10.1	1,275	55	1.63
40-2SS	inch	0.500	0.312	0.313	0.156	0.61	0.66	1.21	1.27	0.461	0.060	0.567	5,580	200	1.22
	mm	12.70	7.92	7.95	3.96	15.4	16.8	30.8	32.2	11.7	1.5	14.4	2,535	91	1.22
50-2SS	inch	0.625	0.400	0.375	0.200	0.76	0.82	1.51	1.57	0.575	0.080	0.712	9,120	310	2.95
	mm	15.875	10.16	9.53	5.08	19.2	20.8	38.4	40.0	14.6	2.0	18.08	4,145	141	2.00
60-2SS	inch	0.750	0.469	0.500	0.234	0.94	1.01	1.90	1.96	0.689	0.094	0.898	12,320	460	1.98
	mm	19.05	11.91	12.70	5.95	24.0	25.7	48.2	49.7	17.5	2.4	22.8	5,600	209	2.95
80-2SS	inch	1.000	0.625	0.625	0.312	1.21	1.33	2.43	2.54	0.921	0.126	1.154	21,180	800	3.42
	mm	25.4	15.88	15.88	7.93	30.8	33.7	61.6	64.5	23.4	3.2	29.3	9,625	364	5.10

ISO 606B British Standard 304 Stainless Steel Roller Chain





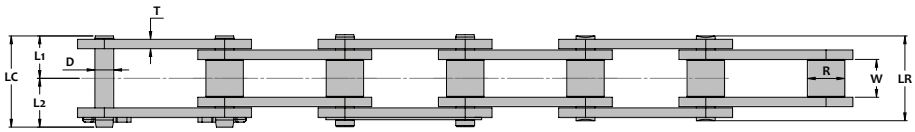
Chain Dimensions - Single Strand

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate			Trans. Pitch	Minimum Ultimate Strength	Rated Working Load	Average Chain Weight
			Inside Width	Dia.	Dia.	Length				Height	Thickness					
		P	W	R	D	L1	L2	LR	LC	H	To	Ti	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
06BSS	inch	0.375	0.225	0.250	0.130	0.25	0.28	0.50	0.53	0.323	0.040	0.050	-	1,390	60	0.29
	mm	9.525	5.72	6.35	3.28	6.3	7.1	12.6	13.4	8.2	1.0	1.25	-	632	27	0.43
08BSS	inch	0.500	0.305	0.335	0.175	0.33	0.39	0.66	0.72	0.465	0.060		-	2,315	105	0.41
	mm	12.70	7.75	8.51	4.45	8.4	9.8	16.7	18.2	11.8	1.5		-	1,050	48	0.61
10BSS	inch	0.625	0.380	0.400	0.200	0.37	0.44	0.75	0.81	0.579	0.065		-	3,530	145	0.60
	mm	15.875	9.65	10.16	5.08	9.5	11.2	19.0	20.7	14.7	1.65		-	1,605	66	0.89
12BSS	inch	0.750	0.460	0.475	0.225	0.43	0.50	0.87	0.93	0.634	0.070		-	4,070	195	0.76
	mm	19.05	11.68	12.07	5.7	11.0	12.6	22.0	23.6	16.1	1.8		-	1,850	89	1.14
16BSS	inch	1.000	0.670	0.625	0.325	0.69	0.81	1.38	1.50	0.827	0.126	0.157	-	9,490	455	1.74
	mm	25.40	17.02	15.88	8.26	17.6	20.6	35.1	38.2	21.0	3.2	4.0	-	4,315	207	2.59

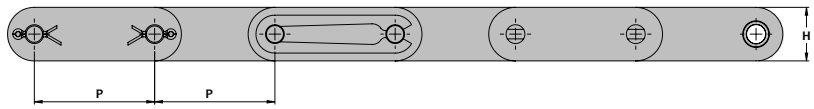
Chain Dimensions - Double Strand

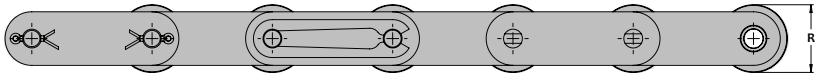
06B-2SS	inch	0.375	0.225	0.250	0.130	0.45	0.48	0.90	0.93	0.323	0.040	0.050	0.403	2,780	120	0.54
	mm	9.525	5.72	6.35	3.28	11.4	12.3	22.9	23.7	8.2	1.0	1.25	10.24	1,265	55	0.81
08B-2SS	inch	0.500	0.305	0.335	0.175	0.60	0.65	1.20	1.26	0.465	0.060		0.548	4,630	210	0.84
	mm	12.70	7.75	8.51	4.45	15.3	16.6	30.6	31.9	11.8	1.5		13.92	2,105	95	1.26
10B-2SS	inch	0.625	0.380	0.400	0.200	0.70	0.77	1.40	1.47	0.579	0.065		0.653	7,060	290	1.20
	mm	15.875	9.65	10.16	5.08	17.8	19.5	35.6	37.3	14.7	1.65		16.59	3,210	132	1.79
12B-2SS	inch	0.750	0.460	0.475	0.225	0.82	0.88	1.64	1.70	0.634	0.070		0.766	8,140	390	1.53
	mm	19.05	11.68	12.07	5.7	20.8	22.3	41.6	43.1	16.1	1.8		19.46	3,700	177	2.28
16B-2SS	inch	1.000	0.670	0.625	0.325	1.32	1.44	2.64	2.76	0.827	0.126	0.157	1.255	18,970	910	3.44
	mm	25.40	17.02	15.88	8.26	33.6	36.5	67.2	70.1	21.0	3.2	4.0	31.88	8,625	414	5.13

ASME/ANSI Double Pitch 304 Stainless Steel Roller Chain



Standard Roller





Large Roller

Chain Dimensions - Standard Roller

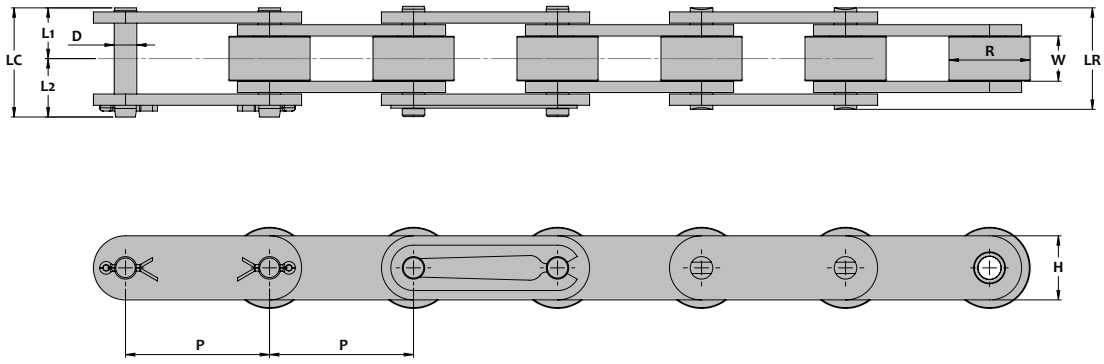
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.			
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040SS	inch	1.000	0.312	0.313	0.156	0.32	0.41	0.65	0.73	0.449	0.060	2,790	100	0.32
	mm	25.40	7.92	7.95	3.96	8.2	10.3	16.4	18.5	11.4	1.5	1,270	45	0.48
C2050SS	inch	1.250	0.400	0.375	0.200	0.40	0.46	0.80	0.87	0.591	0.080	4,560	150	0.55
	mm	31.75	10.16	9.53	5.08	10.2	11.8	20.4	22.0	15.0	2.0	2,075	68	0.82
C2060HSS	inch	1.500	0.469	0.500	0.234	0.57	0.65	1.13	1.22	0.669	0.126	6,160	250	0.93
	mm	38.10	11.91	12.70	5.95	14.4	16.6	28.8	31.0	17.0	3.2	2,800	114	1.38
C2080HSS	inch	2.000	0.625	0.625	0.312	0.70	0.83	1.40	1.53	0.890	0.157	10,590	420	1.56
	mm	50.80	15.88	15.88	7.93	17.8	21.0	35.6	38.8	22.6	4.0	4,815	191	2.32
C2100HSS	inch	2.500	0.750	0.750	0.375	0.83	0.97	1.66	1.80	1.126	0.189	12,790	600	2.32
	mm	63.50	19.05	19.05	9.53	21.1	24.6	42.2	45.7	28.6	4.8	5,815	273	3.46
C2120HSS	inch	3.000	0.875	1.000	0.437	1.04	1.21	2.07	2.24	1.374	0.220	17,200	900	3.30
	mm	76.20	22.23	25.40	11.10	26.3	30.7	52.6	57.0	34.9	5.6	7,820	409	4.92

Chain Dimensions - Large Roller

C2042SS	inch	1.000	0.625	0.313	0.156	0.32	0.41	0.65	0.73	0.449	0.060	2,790	100	0.55
	mm	25.40	15.88	7.95	3.96	8.2	10.3	16.4	18.5	11.4	1.5	1,270	45	0.82
C2052SS	inch	1.250	0.750	0.375	0.200	0.40	0.46	0.80	0.87	0.591	0.080	4,560	150	0.84
	mm	31.75	19.05	9.53	5.08	10.2	11.8	20.4	22.0	15.0	2.0	2,075	68	1.26
C2062HSS	inch	1.500	0.875	0.500	0.234	0.57	0.65	1.13	1.22	0.669	0.126	6,160	250	1.39
	mm	38.10	22.23	12.70	5.95	14.4	16.6	28.8	31.0	17.0	3.2	2,800	114	2.08
C2082HSS	inch	2.000	1.125	0.625	0.312	0.70	0.83	1.40	1.53	0.890	0.157	10,590	420	2.25
	mm	50.80	28.58	15.88	7.93	17.8	21.0	35.6	38.8	22.6	4.0	4,815	191	3.36
C2102HSS	inch	2.500	1.562	0.750	0.375	0.83	0.97	1.66	1.80	1.126	0.189	12,790	600	3.78
	mm	63.50	39.67	19.05	9.53	21.1	24.6	42.2	45.7	28.6	4.8	5,815	273	5.64
C2122HSS	inch	3.000	1.750	1.000	0.437	1.04	1.21	2.07	2.24	1.374	0.220	17,200	900	5.28
	mm	76.20	44.45	25.40	11.10	26.3	30.7	52.6	57.0	34.9	5.6	7,820	409	7.87

ASME/ANSI Double Pitch 304 Stainless Steel-Plastic Rollers

Plastic Roller Double Pitch chains are made with 304 stainless steel (AISI 18-8) components. The roller is a polyacetal resin which provides smooth quiet operation, resists corrosion and is ideal for a wide variety of conveyor applications. Attachments are available. Care must be taken not to exceed the Rated Working Load of the rollers (shown in the table below) when the chain is directly carrying the weight of the conveyed product. The rated working load of the chain itself due to chain tension is also reduced as a result of reduced allowable loads between the plastic roller and the sprocket teeth.



Chain Dimensions - Large Plastic Roller

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load		Roller Crush Strength	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.		Chain Tension	Roller Load		
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2042SS-D	inch	1.000	0.625	0.313	0.156	0.32	0.41	0.65	0.73	0.449	0.060	2,790	100	45	550	0.33
	mm	25.40	15.88	7.95	3.96	8.2	10.3	16.4	18.5	11.4	1.5	1,270	45	20	250	0.49
C2052SS-D	inch	1.250	0.750	0.375	0.200	0.40	0.46	0.80	0.87	0.591	0.080	4,560	160	70	770	0.57
	mm	31.75	19.05	9.53	5.08	10.2	11.8	20.4	22.0	15.0	2.0	2,075	73	32	350	0.85
C2062HSS-D	inch	1.500	0.875	0.500	0.234	0.57	0.65	1.13	1.22	0.669	0.126	6,160	230	110	880	0.98
	mm	38.10	22.23	12.70	5.95	14.4	16.6	28.8	31.0	17.0	3.2	2,800	105	50	400	1.46
C2082HSS-D	inch	2.000	1.125	0.625	0.312	0.70	0.83	1.40	1.53	0.890	0.157	10,590	400	200	1,540	1.77
	mm	50.80	28.58	15.88	7.93	17.8	21.0	21.0	35.6	22.6	4.0	4,815	182	91	700	2.64

Maintenance Free Roller Chain - General Information

General Information

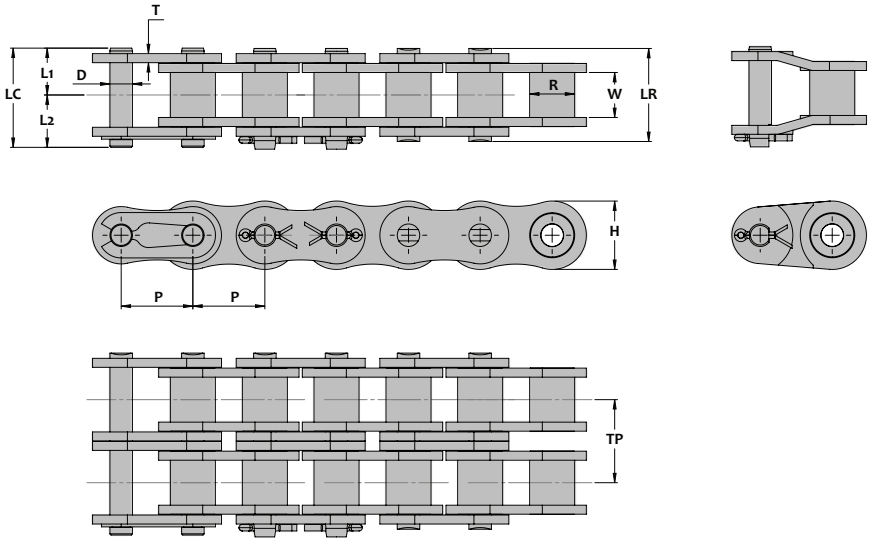
We offer one of the most extensive lines of specialty Maintenance Free roller chain products available to fit a wide array of special application needs. Designers can choose the series that best fits the particular needs of the application. These chains should be specified only when circumstances prohibit the use of lubricating oil since, in general, a well lubricated standard chain will offer longer life compared with a maintenance free chain. In some applications however lubrication isn't possible and so the use of a self lubricated or sealed roller chain is necessary.

General Properties of Maintenance Free Roller Chain Products

Product Group	Series Name	Features	Temperature Range	Max Chain Speeds
Sintered Type Oil Impregnated Bushings	Sintered Bushed (SL-Series) Chains	Oil impregnated powdered metal sintered bushings release oil to the chain joint due to the friction developed between the pin and bushing as the chain articulates over the sprocket teeth. These chains are rollerless and thus use thick sectioned powdered metal bushings which can hold a high volume of oil.	14°F - 140°F -10°C to 60°C	250 ft/min 75 m/min
	Freedom Series® PT Type Roller Chains	Oil impregnated powdered metal sintered bushings release oil to the chain joint due to the friction developed between the pin and bushing as the chain articulates over the sprocket teeth. These chains possess rollers to smooth the action over sprocket teeth. Roller link plates are one size thicker to increase strength. Side plates and pins have special coatings to prevent rust.	14°F - 140°F -10°C to 60°C	250 ft/min 75 m/min
	Freedom Series® C-Type Roller Chains	Same as above except that the side plates are all standard thickness. The strength of the CS Type chains is less than the PT Type but greater than the SL type. Attachments with standard dimensions can be used for this series and thus they are often used on small material handling conveyors.	14°F - 140°F -10°C to 60°C	250 ft/min 75 m/min
Sealed Type Roller Chains	O-Ring Chains	Specified on smaller pitch roller chains O-Ring chains utilize a rubber seal to keep lubricating grease in while preventing the penetration of dirt and other contaminants into the pin/bushing bearing area.	14°F - 140°F -10°C to 60°C	Depends on chain size. See specification table on page 99.
	Seal Guard® Roller Chains	Specified on larger pitch roller chains Seal Guard® chains utilize a stainless steel seal to keep lubricating grease in while preventing the penetration of dirt and other contaminants into the pin/bushing bearing area.	14°F - 140°F -10°C to 60°C Special Grease available to 300°F (150°C)	170 ft/min 50 m/min

ASME/ANSI Standard Self-Lube (SL) Series Roller Chain

Self-Lube (SL) chains feature oil impregnated sintered steel bushings, which release oil to the critical pin/bushing bearing area during operation and reabsorb it when the chain is at rest. The chains never need to be lubricated in service. They possess oversized bushings which will operate on standard sprockets. **CAUTION: The ultimate strength and working load ratings of SL-Series chains are less than their carbon steel counterparts. This fact should be considered when replacing standard carbon steel chains with SL-Series self lubricating chains.**



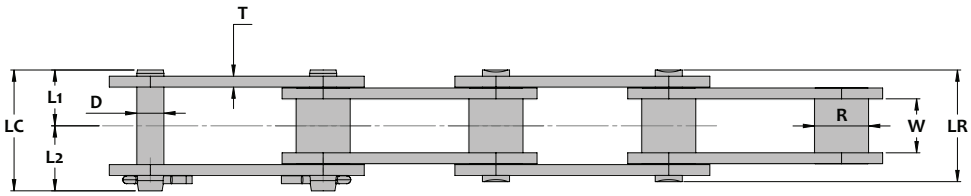
Chain Dimensions - Single Strand

SENQCIA Chain Number	Units	Chain Pitch	Bushing		Pin					Side Plate		Trans. Pitch	Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Dia	Length				Height	Thick.				
		P	R	W	D	L1	L2	LR	LC	H	T	TP	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
40SL	inch	0.500	0.312	0.313	0.156	0.33	0.38	0.65	0.70	0.461	0.060	-	2,860	660	0.42
	mm	12.70	7.92	7.95	3.96	8.3	9.6	16.6	17.9	11.7	1.5	-	1,300	300	0.63
50SL	inch	0.625	0.400	0.375	0.200	0.40	0.46	0.80	0.87	0.575	0.080	-	4,410	1,100	0.69
	mm	15.875	10.16	9.53	5.08	10.2	11.8	20.4	22.0	14.6	2.0	-	2,005	500	1.03
60SL	inch	0.750	0.469	0.500	0.234	0.50	0.56	1.00	1.06	0.689	0.094	-	6,390	1,540	0.98
	mm	19.05	11.91	12.70	5.95	12.8	14.1	25.5	26.9	17.5	2.4	-	2,905	700	1.46
80SL	inch	1.000	0.625	0.625	0.312	0.65	0.75	1.29	1.40	0.921	0.126	-	11,470	2,655	1.74
	mm	25.4	15.88	15.88	7.93	16.4	19.1	32.8	35.5	23.4	3.2	-	5,215	1,205	2.60
100SL	inch	1.250	0.75	0.750	0.375	0.78	0.92	1.55	1.69	1.154	0.157	-	18,520	3,980	2.54
	mm	31.75	19.05	19.05	9.53	19.7	23.3	39.4	43.0	29.3	4.0	-	8,420	1,810	3.79
120SL	inch	1.500	0.875	1.000	0.437	0.98	1.13	1.95	2.10	1.382	0.188	-	26,530	5,735	3.74
	mm	38.10	22.23	25.40	11.10	24.8	28.6	49.5	53.4	35.1	4.8	-	12,060	2,605	5.58

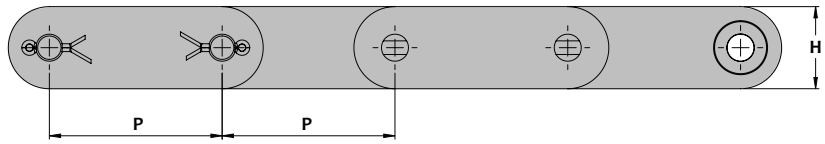
Chain Dimensions - Double Strand

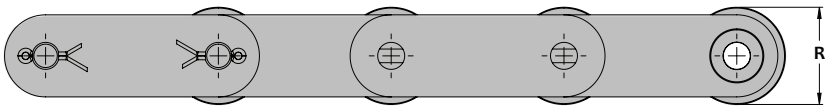
40-2SL	inch	0.500	0.312	0.313	0.156	0.61	0.66	1.21	1.27	0.461	0.060	0.567	5,710	1,125	0.87
	mm	12.70	7.92	7.95	3.96	15.4	16.8	30.8	32.2	11.7	1.5	14.4	2,595	511	1.30
50-2SL	inch	0.625	0.400	0.375	0.200	0.76	0.82	1.51	1.57	0.575	0.080	0.712	8,810	1,870	1.41
	mm	15.875	10.16	9.53	5.08	19.2	20.8	38.4	40.0	14.6	2.0	18.08	4,005	850	2.10
60-2SL	inch	0.750	0.469	0.500	0.234	0.94	1.01	1.90	1.96	0.689	0.094	0.898	12,770	2,610	2.01
	mm	19.05	11.91	12.70	5.95	24.0	25.7	48.2	49.7	17.5	2.4	22.8	5,805	1,185	3.00
80-2SL	inch	1.000	0.625	0.625	0.312	1.21	1.33	2.43	2.54	0.921	0.126	1.154	22,930	4,500	3.49
	mm	25.4	15.88	15.88	7.93	30.8	33.7	61.6	64.5	23.4	3.2	29.3	10,425	2,045	5.20

ASME/ANSI Double Pitch Self-Lube (SL) Series Roller Chain



Standard Roller





Large Roller

Chain Dimensions - Standard Roller

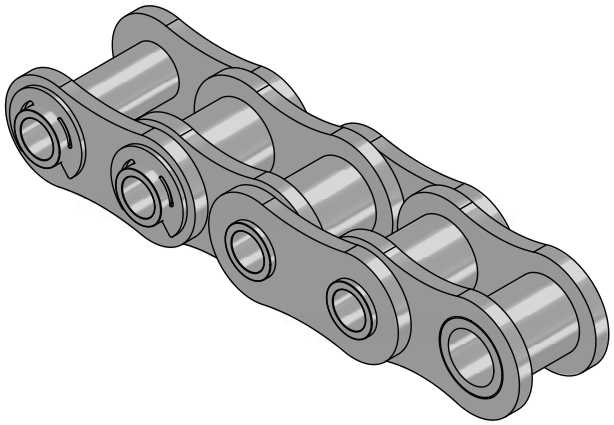
SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin					Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Dia	Length				Height	Thick.			
		P	R	W	D	L1	L2	LR	LC	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040SL	inch	1.000	0.312	0.313	0.156	0.32	0.41	0.65	0.73	0.475	0.060	2,860	660	0.32
	mm	25.40	7.92	7.95	3.96	8.2	10.3	16.4	18.5	12.06	1.5	1,300	300	0.48
C2050SL	inch	1.250	0.400	0.375	0.200	0.40	0.49	0.80	0.89	0.594	0.080	4,410	1,100	0.55
	mm	31.75	10.16	9.53	5.08	10.2	12.4	20.3	22.6	15.1	2.0	2,005	500	0.82
C2060SL	inch	1.500	0.469	0.500	0.234	0.50	0.56	1.00	1.06	0.712	0.094	6,390	1,540	0.80
	mm	38.10	11.91	12.70	5.95	12.8	14.1	25.5	26.9	18.1	2.4	2,905	700	1.20
C2080SL	inch	2.000	0.625	0.625	0.312	0.65	0.75	1.29	1.40	0.950	0.126	11,470	2,655	1.33
	mm	50.80	15.88	15.88	7.93	16.4	19.1	32.8	35.5	24.1	3.2	5,215	1,205	1.99

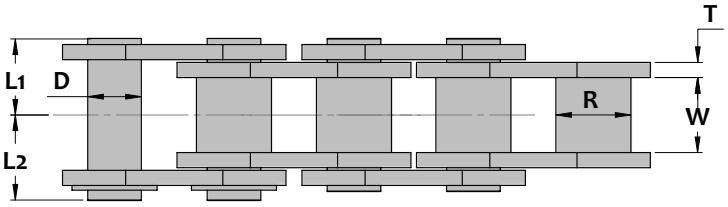
Chain Dimensions - Larger Roller

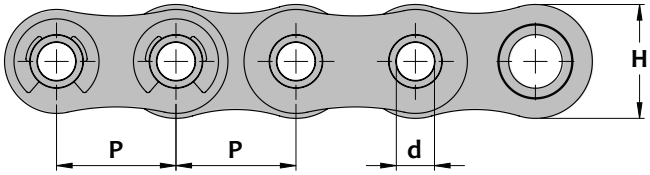
C2042SL	inch	1.000	0.625	0.313	0.156	0.32	0.41	0.65	0.73	0.475	0.060	2,860	660	0.55
	mm	25.40	15.88	7.95	3.96	8.2	10.3	16.4	18.5	12.06	1.5	1,300	300	0.82
C2052SL	inch	1.250	0.750	0.375	0.200	0.40	0.49	0.80	0.89	0.594	0.080	4,410	1,100	0.84
	mm	31.75	19.05	9.53	5.08	10.2	12.4	20.3	22.6	15.1	2.0	2,005	500	1.26
C2062SL	inch	1.500	0.875	0.500	0.234	0.50	0.56	1.00	1.06	0.712	0.094	6,390	1,540	1.19
	mm	38.10	22.23	12.70	5.95	12.8	14.1	25.5	26.9	18.1	2.4	2,905	700	1.78
C2082SL	inch	2.000	1.125	0.625	0.312	0.65	0.75	1.29	1.40	0.950	0.126	11,470	2,655	2.03
	mm	50.80	28.58	15.88	7.93	16.4	19.1	32.8	35.5	24.1	3.2	5,215	1,205	3.03

ASME/ANSI Standard Carbon Steel Hollow Pin Chain

ASME/ANSI Hollow Pin chains offer versatility in conveyor design by allowing for the insertion of through rods or other attachments through the hollow pins. Our solid cold forged solid (i.e. seamless) hollow pins provide for superior wear performance. These chains are also available in Nickel Plate or Perfect Coat Plus® if corrosion resistance is required.



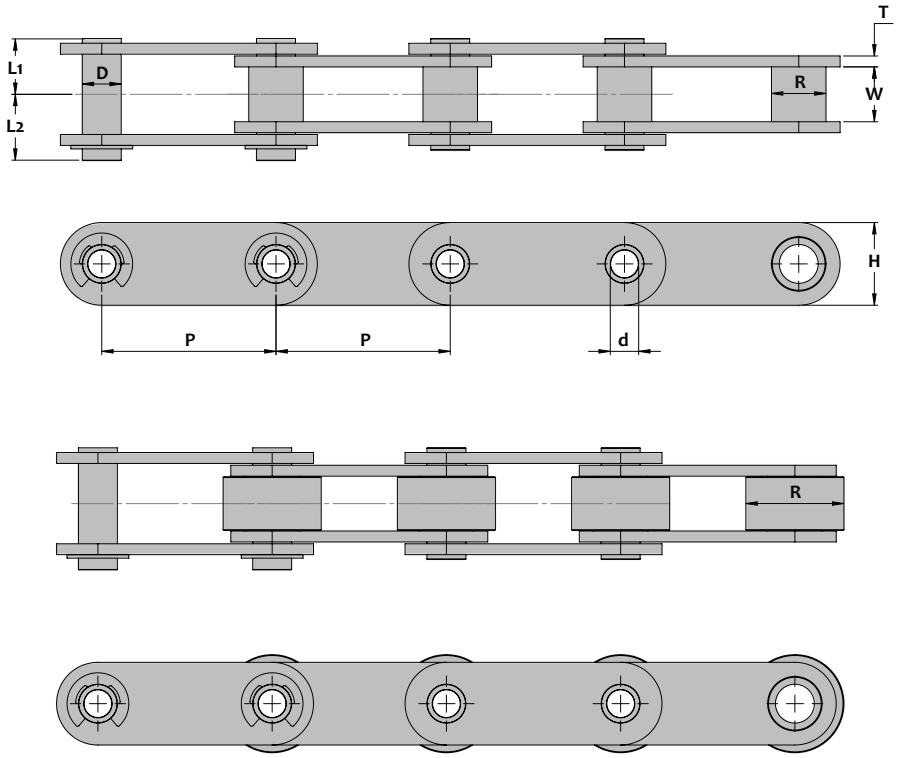




Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Bushing		Pin				Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Diameter		Length		Height	Thick.			
		P	R	W	D	d	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
40HP	inch	0.500	0.312	0.313	0.222	0.159	0.33	0.36	0.472	0.060	2,860	400	0.39
	mm	12.70	7.92	7.95	5.63	4.03	8.4	9.2	12.0	1.5	1,300	182	0.58
50HP	inch	0.625	0.400	0.375	0.279	0.202	0.40	0.44	0.591	0.080	4,410	705	0.67
	mm	15.875	10.16	9.53	7.09	5.13	10.1	11.2	15.0	2.0	2,005	320	0.97
60HP	inch	0.750	0.469	0.500	0.326	0.238	0.51	0.56	0.713	0.094	6,390	950	0.98
	mm	19.05	11.91	12.70	8.29	6.04	13.0	14.2	18.1	2.4	2,905	432	1.46
80HP	inch	1.000	0.625	0.625	0.446	0.318	0.64	0.71	0.949	0.126	11,470	1,720	1.66
	mm	25.4	15.88	15.88	11.34	8.08	16.2	18.1	24.1	3.2	5,215	782	2.47

ASME/ANSI Double Pitch Carbon Steel Hollow Pin Chain



Chain Dimensions - Standard Roller

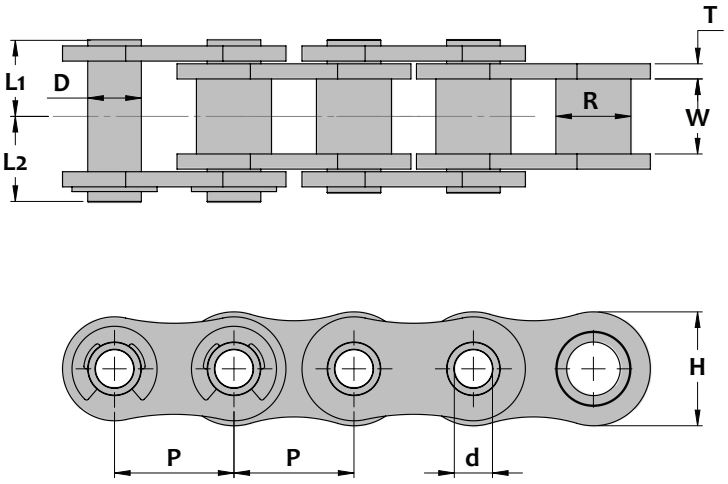
SENQCIA Chain Number	Units	Chain Pitch	Bushing/Roller		Pin				Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Diameter		Length		Height	Thick.			
		P	R	W	D	d	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040HP	inch	1.000	0.312	0.313	0.222	0.159	0.33	0.36	0.472	0.060	2,860	400	0.31
	mm	25.40	7.92	7.95	5.63	4.03	8.4	9.2	12.0	1.5	1,300	182	0.46
C2050HP	inch	1.250	0.400	0.375	0.279	0.202	0.40	0.44	0.591	0.080	4,410	705	0.51
	mm	31.75	10.16	9.53	7.09	5.13	10.1	11.2	15.0	2.0	2,005	320	0.76
C2060HP	inch	1.500	0.469	0.500	0.326	0.238	0.51	0.56	0.713	0.094	6,390	950	0.75
	mm	38.10	11.91	12.70	8.29	6.04	13.0	14.2	18.1	2.4	2,905	432	1.12
C2080HP	inch	2.000	0.625	0.625	0.446	0.318	0.64	0.71	0.949	0.126	11,470	1,720	1.33
	mm	50.80	15.88	15.88	11.34	8.08	16.2	18.1	24.1	3.2	5,215	782	1.98

Chain Dimensions - Large Roller

C2042HP	inch	1.000	0.625	0.313	0.222	0.159	0.33	0.36	0.472	0.060	2,860	400	0.54
	mm	25.40	15.88	7.95	5.63	4.03	8.4	9.2	12.0	1.5	1,300	182	0.81
C2052HP	inch	1.250	0.750	0.375	0.279	0.202	0.40	0.44	0.591	0.080	4,410	705	0.84
	mm	31.75	19.05	9.53	7.09	5.13	10.1	11.2	15.0	2.0	2,005	320	1.25
C2062HP	inch	1.500	0.875	0.500	0.326	0.238	0.51	0.56	0.713	0.094	6,390	950	1.20
	mm	38.10	22.23	12.70	8.29	6.04	13.0	14.2	18.1	2.4	2,905	432	1.79
C2082HP	inch	2.000	1.125	0.625	0.446	0.318	0.64	0.71	0.949	0.126	11,470	1,720	2.13
	mm	50.80	28.58	15.88	11.34	8.08	16.2	18.1	24.1	3.2	5,215	782	3.17

ASME/ANSI Standard Stainless Steel Hollow Pin Chain

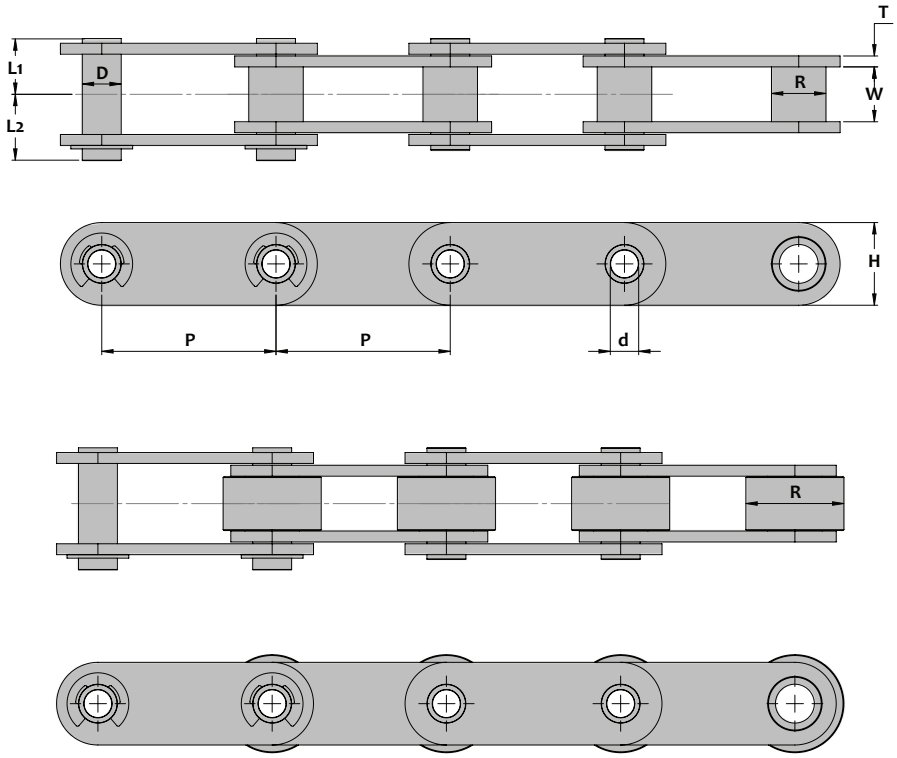
ASME/ANSI Hollow Pin chains are made from AISI Type 304 stainless steel for excellent corrosion and temperature resistance. These chains are often found in many food processing applications.



Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Bushing		Pin				Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Diameter		Length		Height	Thick.			
		P	R	W	D	d	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
40SSHP	inch	0.500	0.312	0.313	0.222	0.159	0.33	0.36	0.472	0.060	1,720	100	0.39
	mm	12.70	7.92	7.95	5.63	4.03	8.4	9.2	12.0	1.5	782	45	0.58
50SSHP	inch	0.625	0.400	0.375	0.279	0.202	0.40	0.44	0.591	0.080	2,650	155	0.67
	mm	15.875	10.16	9.53	7.09	5.13	10.1	11.2	15.0	2.0	1,205	70	0.97
60SSHP	inch	0.750	0.469	0.500	0.326	0.238	0.51	0.56	0.713	0.094	3,840	230	0.98
	mm	19.05	11.91	12.70	8.29	6.04	13.0	14.2	18.1	2.4	1,745	105	1.46
80SSHP	inch	1.000	0.625	0.625	0.446	0.318	0.64	0.71	0.949	0.126	6,970	400	1.66
	mm	25.4	15.88	15.88	11.34	8.08	16.2	18.1	24.1	3.2	3,170	182	2.47

ASME/ANSI Double Pitch Stainless Steel Hollow Pin Chain



Chain Dimensions - Standard Roller

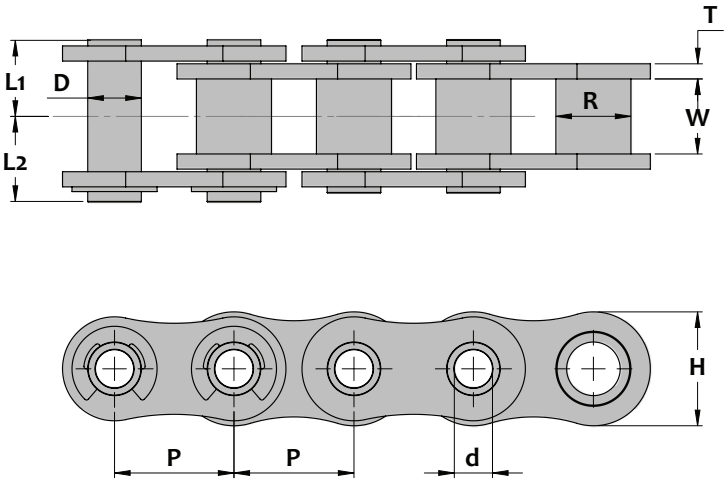
SENQCIA Chain Number	Units	Chain Pitch	Bushing/Roller		Pin				Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Diameter		Length		Height	Thick.			
		P	R	W	D	d	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040SSHP	inch	1.000	0.312	0.313	0.222	0.159	0.33	0.36	0.472	0.060	1,720	100	0.31
	mm	25.40	7.92	7.95	5.63	4.03	8.4	9.2	12.0	1.5	782	45	0.46
C2050SSHP	inch	1.250	0.400	0.375	0.279	0.202	0.40	0.44	0.591	0.080	2,650	155	0.51
	mm	31.75	10.16	9.53	7.09	5.13	10.1	11.2	15.0	2.0	1,205	70	0.76
C2060SSHP	inch	1.500	0.469	0.500	0.326	0.238	0.51	0.56	0.713	0.094	3,840	230	0.75
	mm	38.10	11.91	12.70	8.29	6.04	13.0	14.2	18.1	2.4	1,745	105	1.12
C2080SSHP	inch	2.000	0.625	0.625	0.446	0.318	0.64	0.71	0.949	0.126	6,970	400	1.33
	mm	50.80	15.88	15.88	11.34	8.08	16.2	18.1	24.1	3.2	3,170	182	1.98

Chain Dimensions - Large Roller

C2042SSHP	inch	1.000	0.625	0.313	0.222	0.159	0.33	0.36	0.472	0.060	1,720	100	0.54
	mm	25.40	15.88	7.95	5.63	4.03	8.4	9.2	12.0	1.5	782	45	0.81
C2052SSHP	inch	1.250	0.750	0.375	0.279	0.202	0.40	0.44	0.591	0.080	2,650	155	0.84
	mm	31.75	19.05	9.53	7.09	5.13	10.1	11.2	15.0	2.0	1,205	70	1.25
C2062SSHP	inch	1.500	0.875	0.500	0.326	0.238	0.51	0.56	0.713	0.094	3,840	230	1.20
	mm	38.10	22.23	12.70	8.29	6.04	13.0	14.2	18.1	2.4	1,745	105	1.79
C2082SSHP	inch	2.000	1.125	0.625	0.446	0.318	0.64	0.71	0.949	0.126	6,970	400	2.13
	mm	50.80	28.58	15.88	11.34	8.08	16.2	18.1	24.1	3.2	3,170	182	3.17

ASME/ANSI Standard Self-Lube Hollow Pin Chain

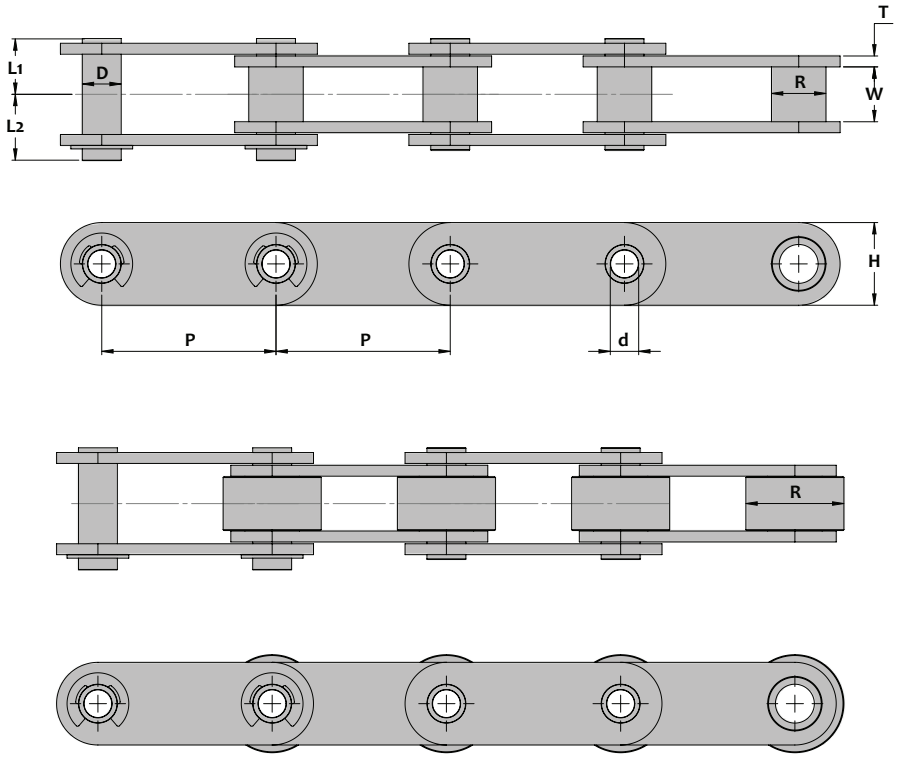
ASME/ANSI Hollow Pin chains are made from AISI Type 304 stainless steel for excellent corrosion and temperature resistance. These chains are often found in many food processing applications.



Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Bushing		Pin				Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia.	Inside Width	Diameter		Length		Height	Thick.			
		P	R	W	D	d	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
40SLHP	inch	0.500	0.312	0.313	0.222	0.159	0.33	0.36	0.472	0.060	2,860	400	0.39
	mm	12.70	7.92	7.95	5.63	4.03	8.4	9.2	12.0	1.5	1,300	182	0.58
50SLHP	inch	0.625	0.400	0.375	0.279	0.202	0.40	0.44	0.591	0.080	4,410	705	0.67
	mm	15.875	10.16	9.53	7.09	5.13	10.1	11.2	15.0	2.0	2,005	320	0.97
60SLHP	inch	0.750	0.469	0.500	0.326	0.238	0.51	0.56	0.713	0.094	6,390	950	0.98
	mm	19.05	11.91	12.70	8.29	6.04	13.0	14.2	18.1	2.4	2,905	432	1.46
80SLHP	inch	1.000	0.625	0.625	0.446	0.318	0.64	0.71	0.949	0.126	11,470	1,720	1.66
	mm	25.4	15.88	15.88	11.34	8.08	16.2	18.1	24.1	3.2	5,215	782	2.47

ASME/ANSI Double Pitch Self-Lube Hollow Pin Chain



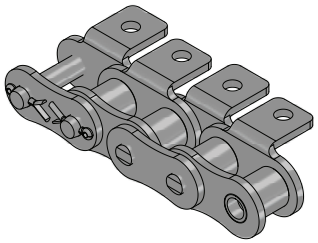
Chain Dimensions - Standard Roller

SENQCIA Chain Number	Units	Chain Pitch	Bushing/Roller		Pin				Side Plate		Average Ultimate Strength	Rated Working Load	Average Chain Weight
			Dia	Inside Width	Diameter		Length		Height	Thick.			
		P	R	W	D	d	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040SLHP	inch	1.000	0.312	0.313	0.222	0.159	0.33	0.36	0.472	0.060	2,860	400	0.31
	mm	25.40	7.92	7.95	5.63	4.03	8.4	9.2	12.0	1.5	1,300	182	0.46
C2050SLHP	inch	1.250	0.400	0.375	0.279	0.202	0.40	0.44	0.591	0.080	4,410	705	0.51
	mm	31.75	10.16	9.53	7.09	5.13	10.1	11.2	15.0	2.0	2,005	320	0.76
C2060SLHP	inch	1.500	0.469	0.500	0.326	0.238	0.51	0.56	0.713	0.094	6,390	950	0.75
	mm	38.10	11.91	12.70	8.29	6.04	13.0	14.2	18.1	2.4	2,905	432	1.12
C2080SLHP	inch	2.000	0.625	0.625	0.446	0.318	0.64	0.71	0.949	0.126	11,470	1,720	1.33
	mm	50.80	15.88	15.88	11.34	8.08	16.2	18.1	24.1	3.2	5,215	782	1.98

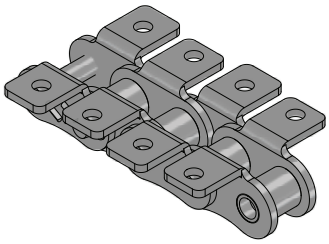
Chain Dimensions - Large Roller

C2042SLHP	inch	1.000	0.625	0.313	0.222	0.159	0.33	0.36	0.472	0.060	2,860	400	0.54
	mm	25.40	15.88	7.95	5.63	4.03	8.4	9.2	12.0	1.5	1,300	182	0.81
C2052SLHP	inch	1.250	0.750	0.375	0.279	0.202	0.40	0.44	0.591	0.080	4,410	705	0.84
	mm	31.75	19.05	9.53	7.09	5.13	10.1	11.2	15.0	2.0	2,005	320	1.25
C2062SLHP	inch	1.500	0.875	0.500	0.326	0.238	0.51	0.56	0.713	0.094	6,390	950	1.20
	mm	38.10	22.23	12.70	8.29	6.04	13.0	14.2	18.1	2.4	2,905	432	1.79
C2082SLHP	inch	2.000	1.125	0.625	0.446	0.318	0.64	0.71	0.949	0.126	11,470	1,720	2.13
	mm	50.80	28.58	15.88	11.34	8.08	16.2	18.1	24.1	3.2	5,215	782	3.17

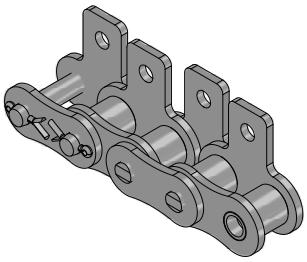
Attachment Roller Chain - Single Pitch Nomenclature



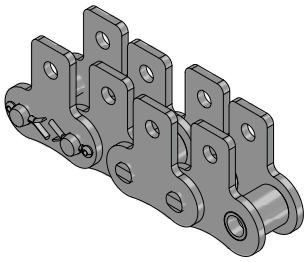
A-1
Bent Lug
One Side - One Hole



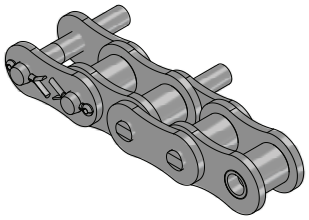
K-1
Bent Lug
Two Sides - One Hole



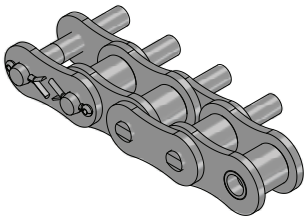
SA-1
Straight Lug
One Side - One Hole



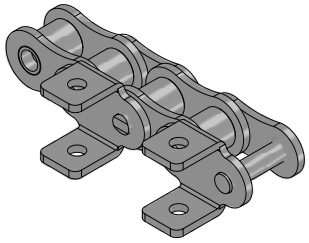
SK-1
Straight Lug
Two Sides - One Hole



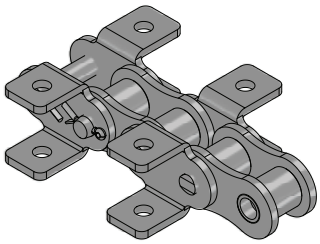
D-1
Extended Pin
One Pin Extended
per Pin Link



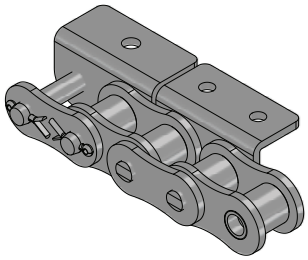
D-3
Extended Pin
Both Pins Extended
per Pin Link



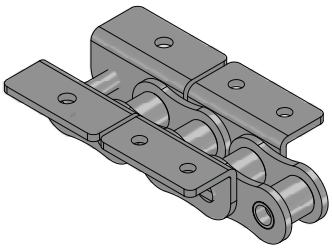
AA-1
Bent Double Lug
Up and Down
One Side - One Hole



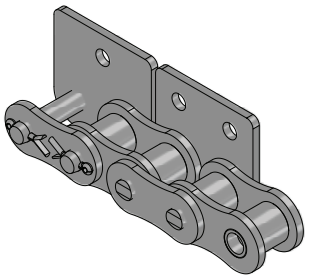
KK-1
Bent Double Lug
Up and Down
Two Sides - One Hole



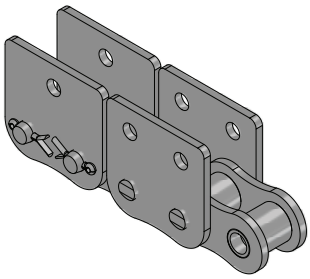
WA-1 or WA-2
Wide Contour
Bent Lug
One Side
One Hole (WA-1)
Two Holes (WA-2)



WK-1 or WK-2
Wide Contour
Bent Lug
Two Sides
One Hole (WK-1)
Two Holes (WK-2)



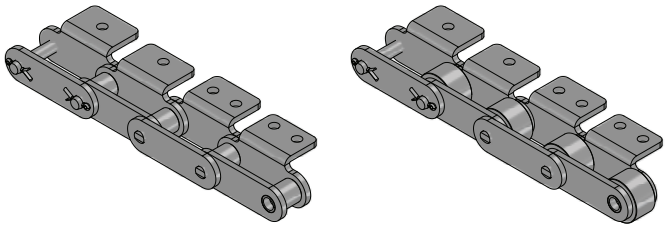
WSA-1 or WSA-2
Wide Contour
Straight Lug
One Side
One Hole (WSA-1)
Two Holes (WSA-2)



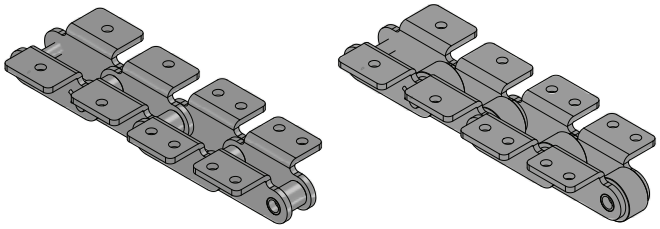
WSK-1 or WSK-2
Wide Contour
Straight Lug
Two Sides
One Hole (WSK-1)
Two Holes (WSK-2)

Attachment Roller Chain - Double Pitch Nomenclature

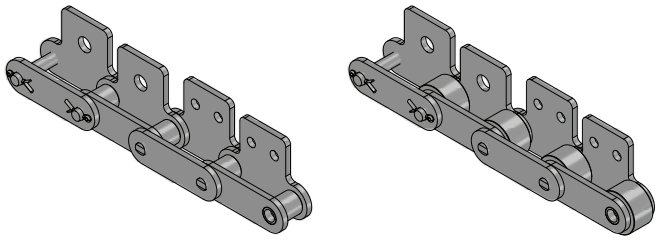
A-1/A-2 Bent Lug - One Side
One Hole (A-1) Two Holes (A-2)



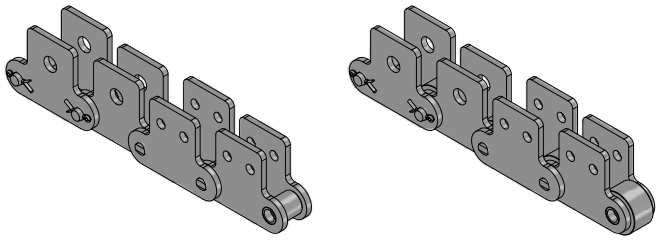
K-1/K-2 Bent Lug - Two Sides
One Hole (K-1) Two Holes (K-2)



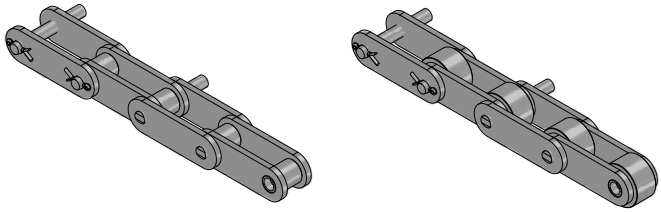
SA-1/SA-2 Straight Lug - One Side
One Hole (SA-1) Two Holes (SA-2)



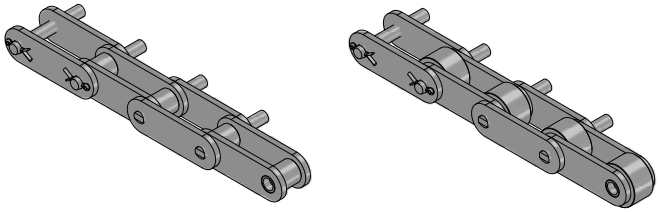
SK-1/SK-2 Straight Lug - Two Sides
One Hole (SK-1) Two Holes (SK-2)



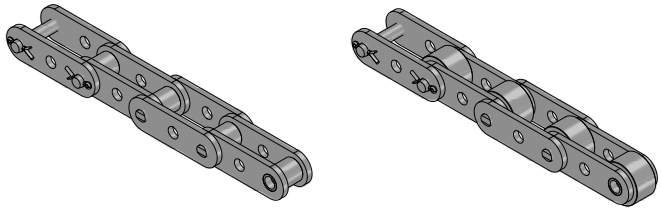
D-1 Extended Pin
One Pin Extended per Pin Link



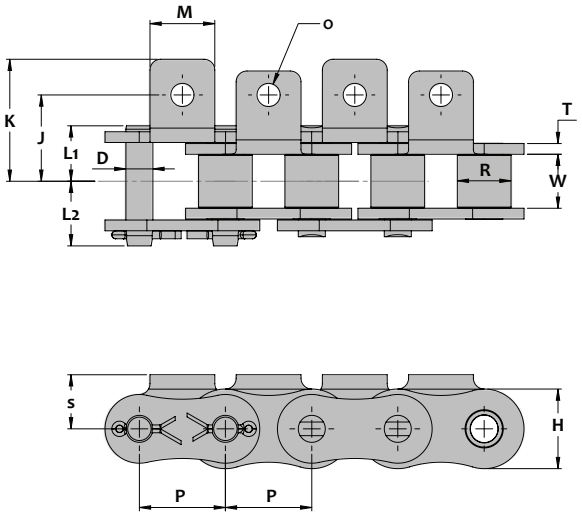
D-3 Extended Pin
Both Pins Extended per Pin Link



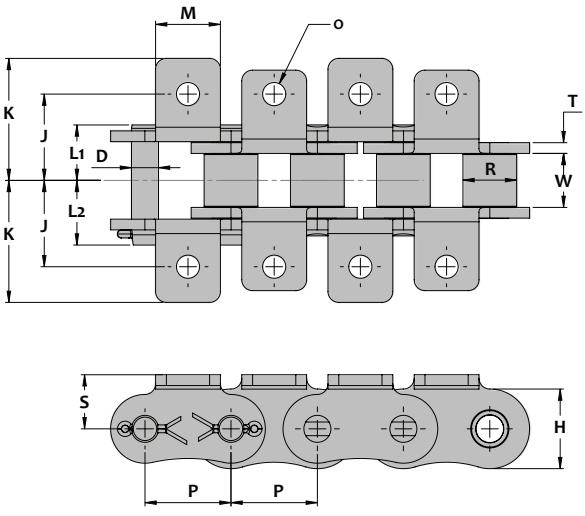
GK-1 Mid Pitch Hole
Both Sides



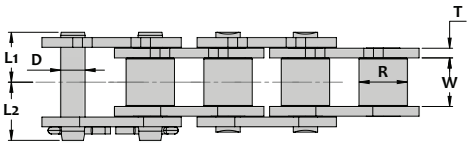
ASME/ANSI Standard Attachment Roller Chain

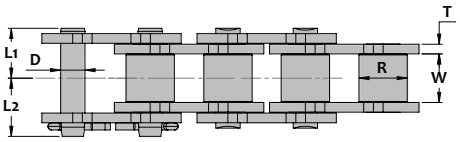


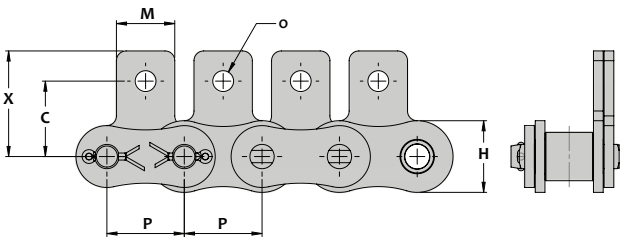
A-1 Attachment



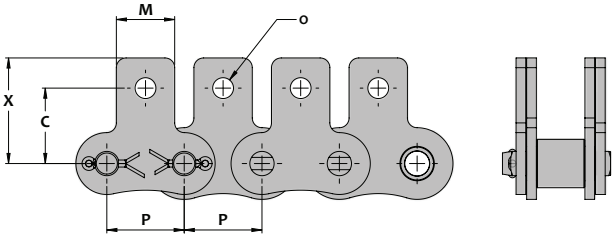
K-1 Attachment



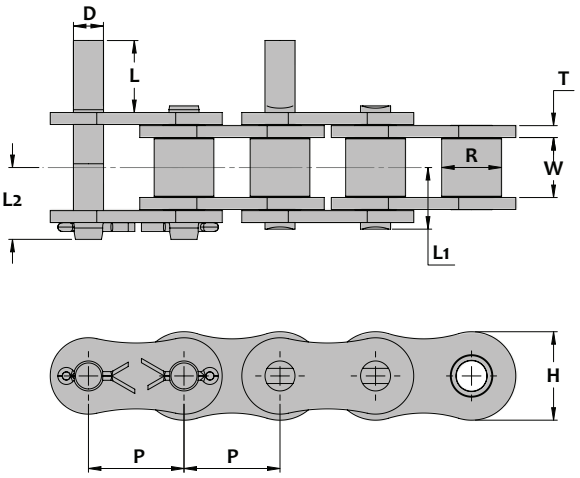




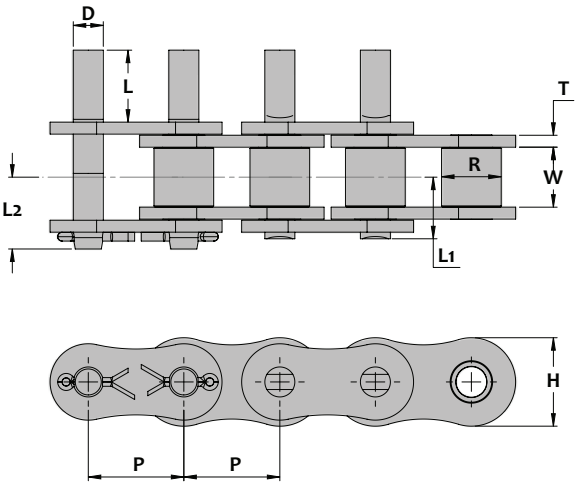
SA-1 Attachment



SK-1 Attachment



D-1 Attachment



D-3 Attachment

ASME/ANSI Standard Attachment Roller Chain

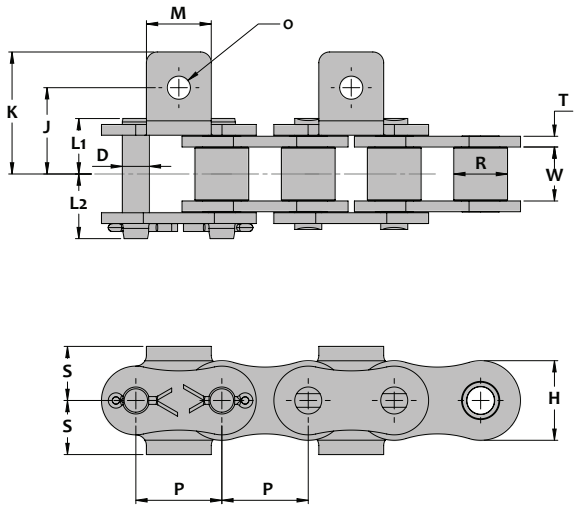
Attachment Dimensions and Weights

SENQCIA Chain Number	Units	Attachment Dimensions									Additional Weight/Attachment		
		All Attachments		Bent Lug			Straight Lug		Extended Pins		A, SA	K, SK	Ext. Pin
		M	O	S	J	K	C	X	D	L	Lbs/pc g/pc	Lbs/pc g/pc	Lbs/pc g/pc
35	inch	0.312	0.134	0.250	0.375	0.56	0.375	0.571	0.141	0.375	0.002	0.004	0.002
	mm	7.9	3.4	6.4	9.5	14.3	9.5	14.5	3.58	9.5	0.9	1.8	0.8
40	inch	0.375	0.142	0.312	0.500	0.68	0.500	0.728	0.156	0.375	0.003	0.005	0.002
	mm	9.5	3.6	7.9	12.7	17.3	12.7	18.5	3.96	9.5	1.2	2.4	1.0
50	inch	0.500	0.205	0.406	0.625	0.92	0.625	0.906	0.200	0.469	0.009	0.018	0.004
	mm	12.7	5.2	10.3	15.9	23.3	15.9	23.0	5.08	11.9	4.0	8.0	2.0
60	inch	0.625	0.205	0.469	0.750	1.11	0.720	1.051	0.234	0.563	0.014	0.029	0.007
	mm	15.9	5.2	11.9	19.1	28.1	18.3	26.7	5.95	14.3	6.5	13	3.0
80	inch	0.75	0.268	0.625	1.000	1.41	0.969	1.358	0.312	0.750	0.029	0.057	0.015
	mm	19.1	6.8	15.9	25.4	35.9	24.6	34.5	7.93	19.1	13	26	7.0
100	inch	1.000	0.346	0.780	1.250	1.74	1.250	1.693	0.375	0.937	0.060	0.12	0.026
	mm	25.4	8.8	19.8	31.8	44.3	31.8	43.0	9.53	23.8	27	54	12
120	inch	1.125	0.413	0.906	1.500	2.15	1.441	2.024	0.437	1.382	0.10	0.21	0.044
	mm	28.6	10.5	23.0	38.1	54.7	38.6	51.4	11.1	35.1	47	94	20
140	inch	1.366	0.472	1.125	1.750	2.49	1.748	2.484	0.500	1.610	0.14	0.29	0.066
	mm	34.7	12.0	28.6	44.5	63.2	44.4	63.1	12.7	40.9	65	130	30
160	inch	1.5	0.551	1.250	2.000	2.83	2.000	2.736	0.562	1.839	0.19	0.39	0.10
	mm	38.1	14.0	31.8	50.8	71.9	50.8	69.5	14.28	46.7	88	176	45

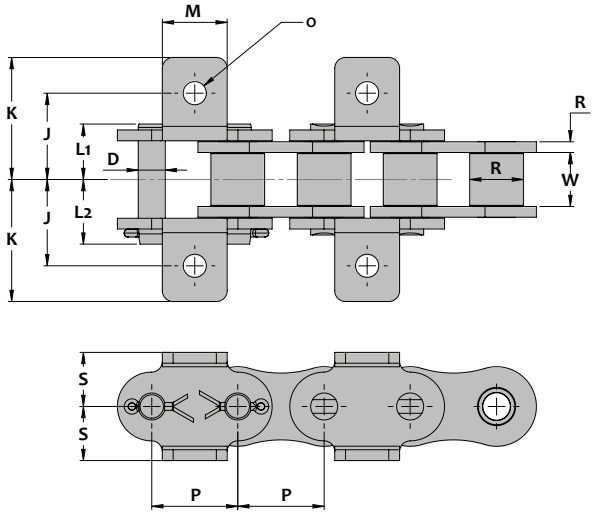
Base Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin			Side Plate		Rated Working Load				Ave Chain Weight
			Roller Dia.	Inside Width	Pin Dia.	Pin Length		Height	Thick.	Carbon Steel	304SS	600SS	Freedom Series C-Type	
		P	R	W	D	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
35	inch	0.375	0.200	0.188	0.141	0.24	0.27	0.354	0.050	365	60	90	-	0.23
	mm	9.525	5.08	4.78	3.58	6.0	6.9	9.0	1.25	166	27	41	-	0.34
40	inch	0.500	0.312	0.313	0.156	0.33	0.38	0.461	0.060	640	100	150	545	0.40
	mm	12.70	7.92	7.95	3.96	8.3	9.6	11.7	1.5	291	45	68	248	0.60
50	inch	0.625	0.400	0.375	0.200	0.40	0.46	0.575	0.080	1,000	150	225	850	0.66
	mm	15.875	10.16	9.53	5.08	10.2	11.8	14.6	2.0	455	68	102	386	0.98
60	inch	0.750	0.469	0.500	0.234	0.50	0.56	0.689	0.094	1,500	230	345	1,275	0.98
	mm	19.05	11.91	12.70	5.95	12.8	14.1	17.5	2.4	682	105	157	580	1.46
80	inch	1.000	0.625	0.625	0.312	0.65	0.75	0.921	0.126	2,570	400	600	2,185	1.69
	mm	25.4	15.88	15.88	7.93	16.4	19.1	23.4	3.2	1,170	182	273	993	2.52
100	inch	1.250	0.75	0.750	0.375	0.78	0.92	1.154	0.157	3,740	570	-	3,180	2.62
	mm	31.75	19.05	19.05	9.53	19.7	23.3	29.3	4.0	1,700	259	-	1,445	3.91
120	inch	1.500	0.875	1.000	0.437	0.98	1.13	1.382	0.188	5,640	-	-	4,795	3.86
	mm	38.10	22.23	25.40	11.10	24.8	28.6	35.1	4.8	2,565	-	-	2,180	5.76
140	inch	1.750	1.000	1.000	0.500	1.06	1.23	1.610	0.220	6,710	-	-	-	4.97
	mm	44.45	25.40	25.40	12.70	27.0	31.3	40.9	5.6	3,050	-	-	-	7.41
160	inch	2.000	1.125	1.250	0.562	1.27	1.44	1.839	0.250	9,270	-	-	-	6.56
	mm	50.80	28.58	31.75	14.27	32.2	36.5	46.7	6.4	4,215	-	-	-	9.79

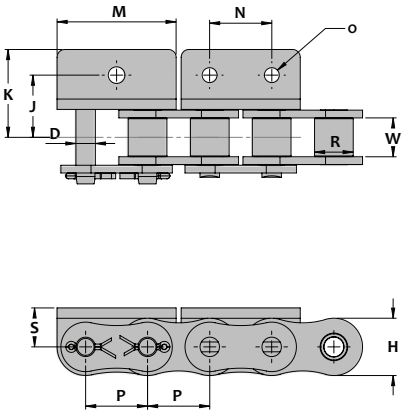
ASME/ANSI Specialty Attachment Roller Chain



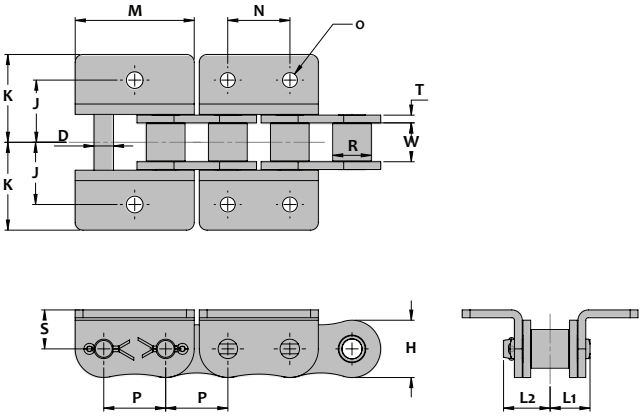
AA-1 Attachment



KK-1 Attachment



WA-1/WA-2 Attachment



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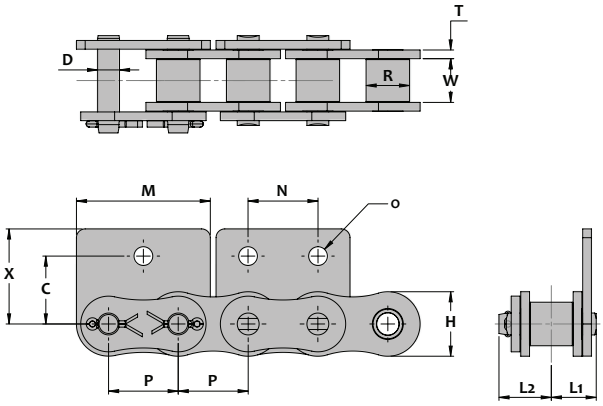

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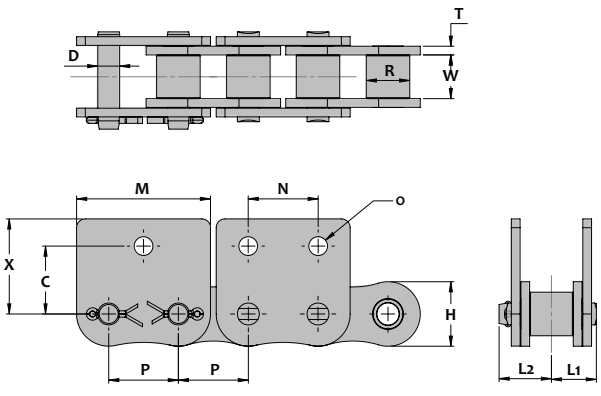


WSK-1/WSK-2 Attachment

ASME/ANSI Specialty Attachment Roller Chain

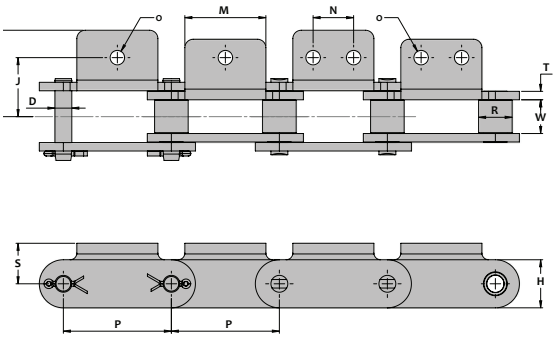
Attachment Dimensions and Weights

SENQCIA Chain Number	Units	Attachment Dimensions									Additional Weight/Attachment			
		All Attachments			Bent Lug			Straight Lug		AA, KK	WA, WSA	WK, WSK	AA	KK
		M	O	N	S	J	K	C	X	M	Lbs/pc g/pc	Lbs/pc g/pc	Lbs/pc g/pc	Lbs/pc g/pc
40	inch	0.957	0.142	0.500	0.312	0.500	0.68	0.500	0.681	0.375	0.007	0.014	0.007	0.014
	mm	24.3	3.6	12.7	7.9	12.7	17.3	12.7	17.3	9.5	3.2	6.4	3.2	6.4
50	inch	1.197	0.205	0.625	0.406	0.625	0.92	0.625	0.909	0.500	0.015	0.031	0.013	0.026
	mm	30.4	5.2	15.9	10.3	15.9	23.3	15.9	23.1	12.7	6.8	14	5.9	12
60	inch	1.457	0.205	0.750	0.469	0.750	1.11	0.720	1.067	0.625	0.026	0.053	0.024	0.049
	mm	37.0	5.2	19.1	11.9	19.1	28.1	18.3	27.1	15.9	12	24	11	22
80	inch	1.913	0.268	1.000	0.625	1.000	1.41	0.969	1.358	0.75	0.062	0.12	0.051	0.10
	mm	48.6	6.8	25.4	15.9	25.4	35.9	24.6	34.5	19.1	28	56	23	46
100	inch	2.402	0.346	1.250	0.780	1.250	1.74	1.250	1.693	1.000	0.12	0.24	0.11	0.21
	mm	61.0	8.8	31.8	19.8	31.8	44.3	31.8	43.0	25.4	55	110	48	96

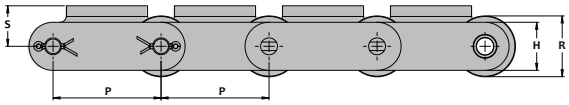
Base Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin			Side Plate		Rated Working Load				Ave Chain Weight
			Roller Dia.	Inside Width	Pin Dia.	Pin Length		Height	Thick.	Carbon Steel	304SS	600SS	Freedom Series C-Type	
		P	R	W	D	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
40	inch	0.500	0.312	0.313	0.156	0.33	0.38	0.461	0.060	640	100	150	545	0.40
	mm	12.70	7.92	7.95	3.96	8.3	9.6	11.7	1.5	291	45	68	248	0.60
50	inch	0.625	0.400	0.375	0.200	0.40	0.46	0.575	0.080	1,000	150	225	850	0.66
	mm	15.875	10.16	9.53	5.08	10.2	11.8	14.6	2.0	455	68	102	386	0.98
60	inch	0.750	0.469	0.500	0.234	0.50	0.56	0.689	0.094	1,500	230	345	1,275	0.98
	mm	19.05	11.91	12.70	5.95	12.8	14.1	17.5	2.4	682	105	157	580	1.46
80	inch	1.000	0.625	0.625	0.312	0.65	0.75	0.921	0.126	2,570	400	600	2,185	1.69
	mm	25.4	15.88	15.88	7.93	16.4	19.1	23.4	3.2	1,170	182	273	993	2.52
100	inch	1.250	0.75	0.750	0.375	0.78	0.92	1.154	0.157	3,740	570	-	3,180	2.62
	mm	31.75	19.05	19.05	9.53	19.7	23.3	29.3	4.0	1,700	259	-	1,445	3.91

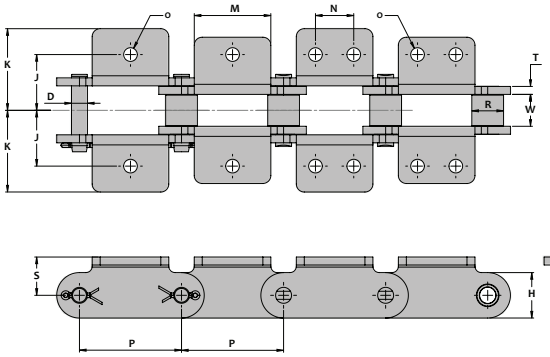
ASME/ANSI Double Pitch Attachment Roller Chain



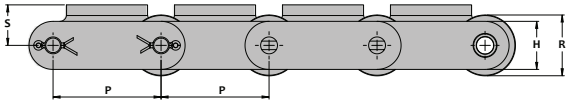
A-1/A-2 Attachment



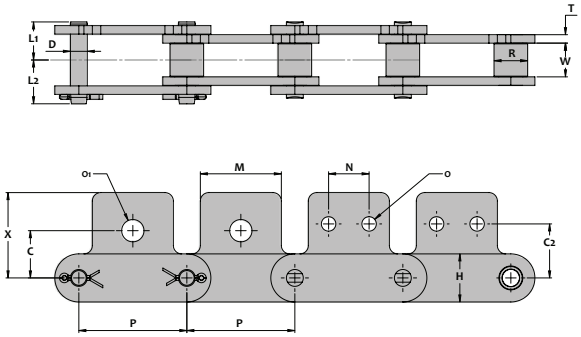
Large Roller



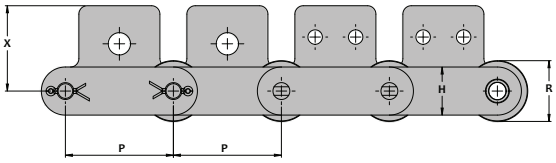
K-1/K-2 Attachment



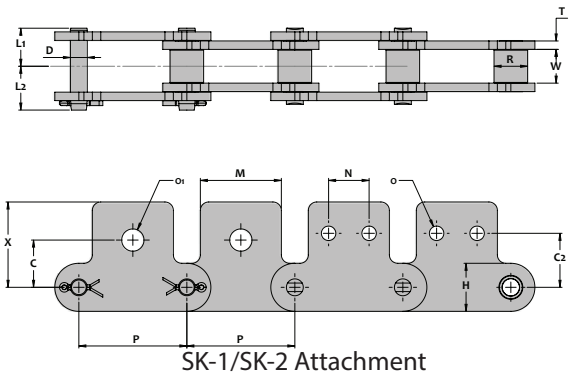
Large Roller



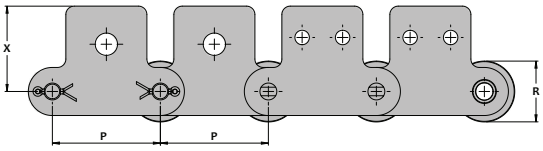
SA-1/SA-2 Attachment



Large Roller



SK-1/SK-2 Attachment



Large Roller

ASME/ANSI Double Pitch Attachment Roller Chain

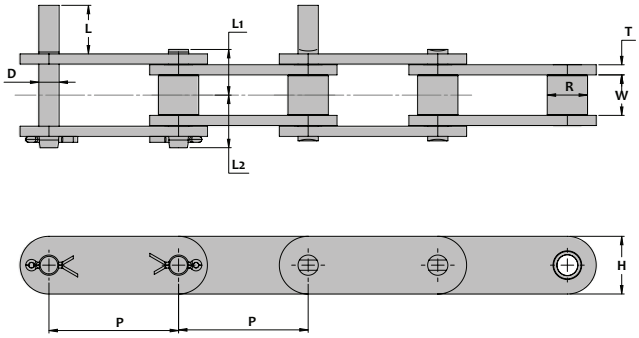
Attachment Dimensions and Weights

SENQCIA Chain Number	Units	Attachment Dimensions										Additional Weight/Attachment			
		All Attachments		Attachment Holes		Bent Lugs			Straight Lugs			A	K	SA	SK
		M	N	O	O1	S	J	K	C	C2	X	Lbs/pc g/pc	Lbs/pc g/pc	Lbs/pc g/pc	Lbs/pc g/pc
C2040 C2042	inch	0.750	0.375	0.142	0.205	0.358	0.500	0.75	0.437	0.531	0.78	0.007	0.014	0.006	0.012
	mm	19.1	9.5	3.6	5.2	9.1	12.7	19.1	11.1	13.5	19.8	3.2	6.3	2.7	5.4
C2050 C2052	inch	0.937	0.469	0.205	0.268	0.437	0.625	0.95	0.563	0.625	0.97	0.014	0.028	0.013	0.026
	mm	23.8	11.9	5.2	6.8	11.1	15.9	24.2	14.3	15.9	24.6	6.3	13	5.9	12
C2060H C2062H	inch	1.125	0.563	0.205	0.346	0.579	0.843	1.23	0.689	0.750	1.21	0.033	0.066	0.033	0.066
	mm	28.6	14.3	5.2	8.8	14.7	21.4	31.2	17.5	19.1	30.6	15	30	15	30
C2080H C2082H	inch	1.500	0.750	0.268	0.413	0.75	1.094	1.60	0.875	1.000	1.58	0.070	0.14	0.071	0.14
	mm	38.1	19.1	6.8	10.5	19.1	27.8	40.6	22.2	25.4	40.2	32	63	32	64
C2100H C2102H	inch	1.875	0.937	0.346	0.551	0.921	1.312	1.97	1.125	1.250	1.98	0.14	0.28	0.15	0.29
	mm	47.6	23.8	8.8	14.0	23.4	33.3	50.0	28.6	31.8	50.3	64	129	66	132
C2120H C2122H	inch	2.250	1.125	0.413	0.630	1.094	1.563	2.44	1.312	1.469	2.41	0.23	0.45	0.22	0.43
	mm	57.2	28.6	10.5	16.0	27.8	39.7	61.9	33.3	37.3	61.1	102	205	98	196

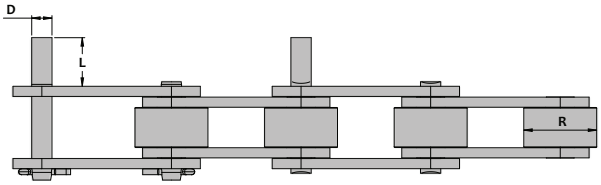
Base Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin			Side Plate		Rated Working Load				Ave Chain Weight
			Roller Dia.	Inside Width	Pin Dia.	Pin Length		Height	Thick.	Carbon Steel	304SS	600SS	Freedom Series C-Type	
		P	R	W	D	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040 C2042	inch	1.000	0.312 0.625	0.313	0.156	0.32	0.41	0.449	0.060	600	100	150	545	0.32 0.55
	mm	25.40	7.92 15.88	7.95	3.96	8.2	10.3	11.4	1.5	273	45	68	248	0.48 0.82
C2050 C2052	inch	1.250	0.400 0.750	0.375	0.200	0.40	0.46	0.591	0.080	990	150	225	850	0.55 0.84
	mm	31.75	10.16 19.05	9.53	5.08	10.2	11.8	15.0	2.0	450	68	102	386	0.82 1.26
C2060H C2062H	inch	1.500	0.469 0.875	0.500	0.234	0.57	0.65	0.669	0.126	1,440	250	375	1,275	0.93 1.39
	mm	38.10	11.91 22.23	12.70	5.95	14.4	16.6	17.0	3.2	655	114	170	993	1.38 2.08
C2080H C2082H	inch	2.000	0.625 1.125	0.625	0.312	0.70	0.83	0.890	0.157	2,460	420	630	2,185	1.56 2.25
	mm	50.80	15.88 28.58	15.88	7.93	17.8	21.0	22.6	4.0	1,120	191	286	993	2.32 3.36
C2100H C2102H	inch	2.500	0.750 1.562	0.750	0.375	0.83	0.97	1.126	0.189	3,760	600	-	-	2.32 3.78
	mm	63.50	19.05 39.67	19.05	9.53	21.1	24.6	28.6	4.8	1,710	273	-	-	3.46 5.64
C2120H C2122H	inch	3.000	0.875 1.750	1.000	0.437	1.04	1.21	1.374	0.220	5,430	900	-	-	3.30 5.28
	mm	76.20	22.23 44.45	25.40	11.10	26.3	30.7	34.9	5.6	2,470	409	-	-	4.92 7.87

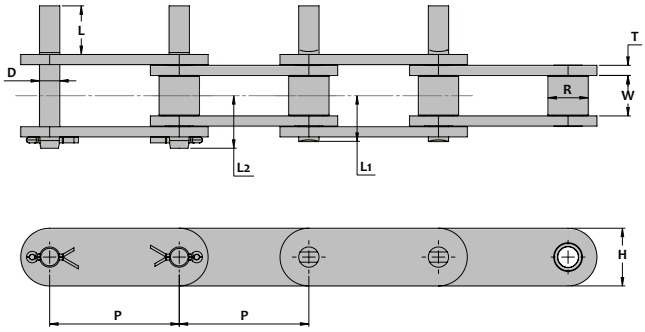
ASME/ANSI Double Pitch Attachment Roller Chain



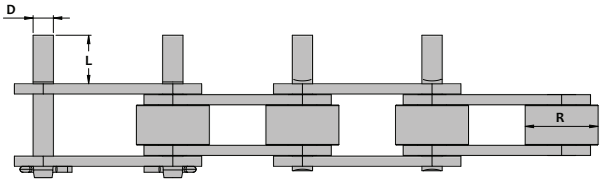
D-1 Attachment



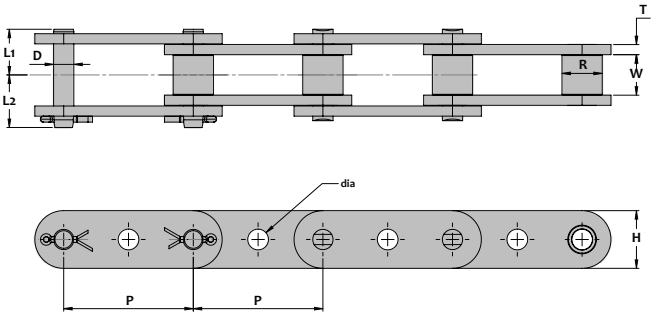
Large Roller



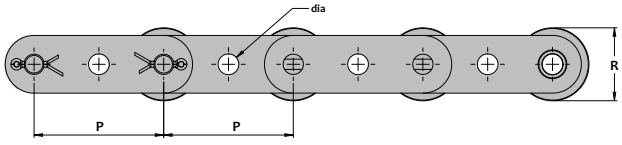
D-3 Attachment



Large Roller



GK-1 Attachment



Large Roller

ASME/ANSI Double Pitch Attachment Roller Chain

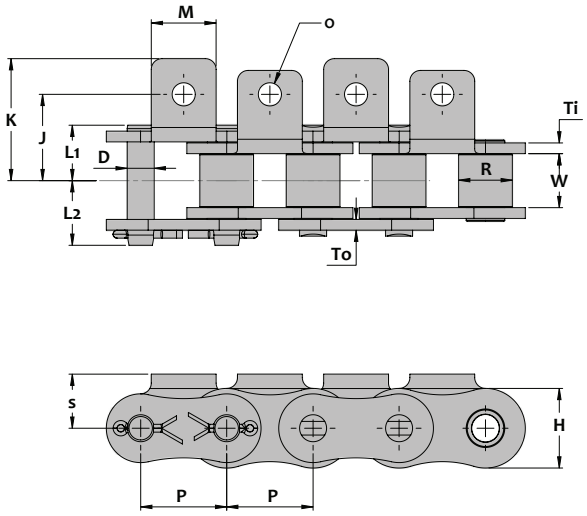
Attachment Dimensions and Weights

SENQCIA Chain Number	Units	Extended Pins			GK-1 Attachments					
				Additional Weight per extended pin	Attachment Hole Diameter					
		D	L	Lb/pc g/pc	dia					
C2040 C2042	inch	0.156	0.375	0.001	0.160					
	mm	3.96	9.5	0.5	4.06					
C2050 C2052	inch	0.200	0.469	0.002	0.200	0.205	0.240	0.250	0.315	0.325
	mm	5.08	11.9	1.0	5.08	5.21	6.10	6.35	8.00	8.26
C2060H C2062H	inch	0.234	0.563	0.004		0.240	0.250	0.280	0.320	
	mm	5.95	14.3	2.0		6.10	6.35	7.11	8.13	
C2080H C2082H	inch	0.312	0.750	0.007			0.315	0.320		
	mm	7.93	19.1	3.0			8.00	8.13		
C2100H C2102H	inch	0.375	0.937	0.015	0.400					
	mm	9.53	23.8	7.0	10.16					
C2120H C2122H	inch	0.437	1.125	0.026	0.475					
	mm	11.10	28.6	12.0	12.07					

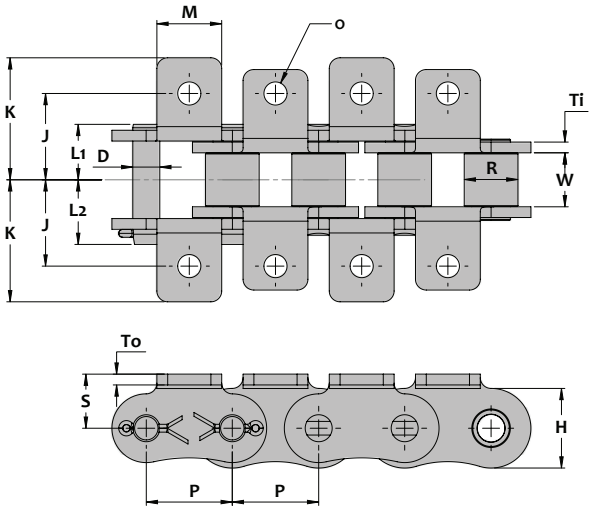
Base Chain Specifications

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin			Side Plate		Rated Working Load				Ave Chain Weight
			Roller Dia.	Inside Width	Pin Dia.	Pin Length		Height	Thick.	Carbon Steel	304SS	600SS	Freedom Series C-Type	
		P	R	W	D	L1	L2	H	T	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
C2040 C2042	inch	1.000	0.312 0.625	0.313	0.156	0.32	0.41	0.449	0.060	600	100	150	545	0.32 0.55
	mm	25.40	7.92 15.88	7.95	3.96	8.2	10.3	11.4	1.5	273	45	68	248	0.48 0.82
C2050 C2052	inch	1.250	0.400 0.750	0.375	0.200	0.40	0.46	0.591	0.080	990	150	225	850	0.55 0.84
	mm	31.75	10.16 19.05	9.53	5.08	10.2	11.8	15.0	2.0	450	68	102	386	0.82 1.26
C2060H C2062H	inch	1.500	0.469 0.875	0.500	0.234	0.57	0.65	0.669	0.126	1,440	250	375	1,275	0.93 1.39
	mm	38.10	11.91 22.23	12.70	5.95	14.4	16.6	17.0	3.2	655	114	170	993	1.38 2.08
C2080H C2082H	inch	2.000	0.625 1.125	0.625	0.312	0.70	0.83	0.890	0.157	2,460	420	630	2,185	1.56 2.25
	mm	50.80	15.88 28.58	15.88	7.93	17.8	21.0	22.6	4.0	1,120	191	286	993	2.32 3.36
C2100H C2102H	inch	2.500	0.750 1.562	0.750	0.375	0.83	0.97	1.126	0.189	3,760	600	-	-	2.32 3.78
	mm	63.50	19.05 39.67	19.05	9.53	21.1	24.6	28.6	4.8	1,710	273	-	-	3.46 5.64
C2120H C2122H	inch	3.000	0.875 1.750	1.000	0.437	1.04	1.21	1.374	0.220	5,430	900	-	-	3.30 5.28
	mm	76.20	22.23 44.45	25.40	11.10	26.3	30.7	34.9	5.6	2,470	409	-	-	4.92 7.87

ISO 606B British Standard Attachment Roller Chain



A-1 Attachment



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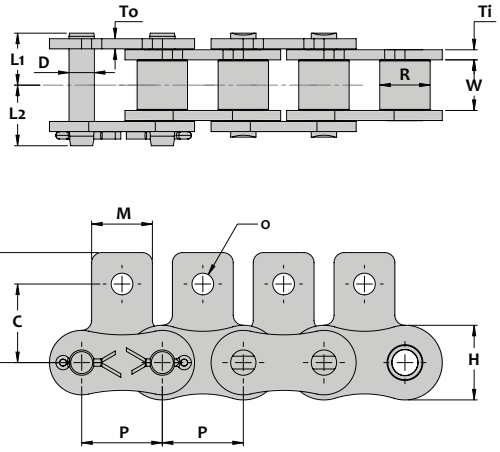

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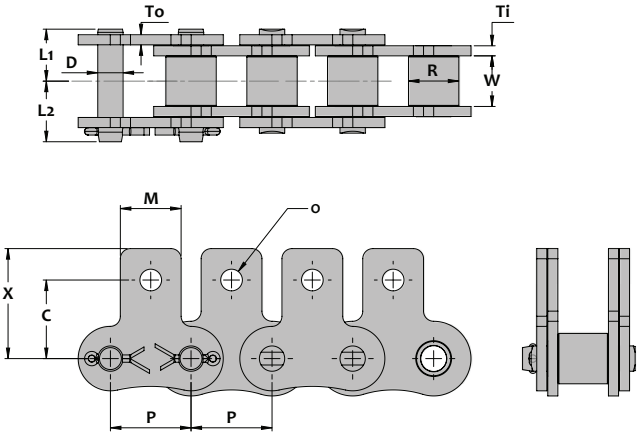
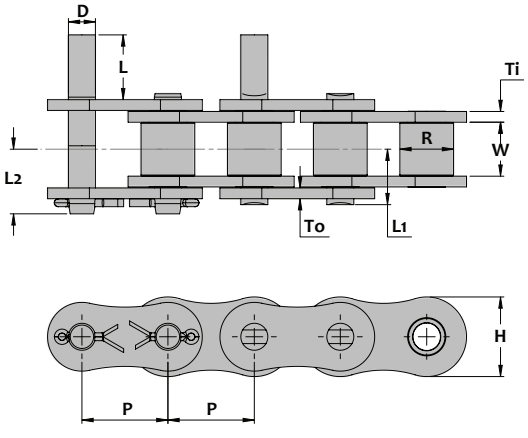
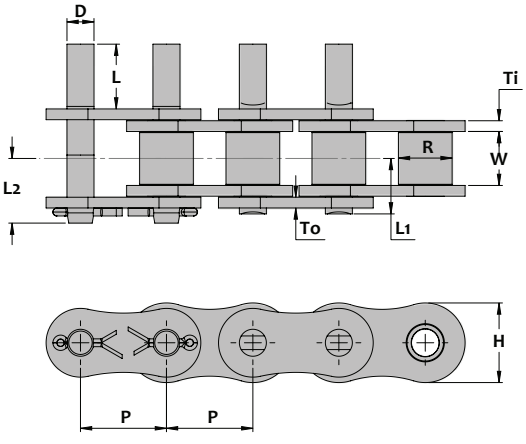


SK-1 Attachment



D-1 Attachment



D-3 Attachment

ISO 606B British Standard Attachment Roller Chain

Attachment Dimensions and Weights

SENQCIA Chain Number	Units	Attachment Dimensions									Additional Weight/Attachment		
		All Attachments		Bent Lug			Straight Lug		Extended Pin		A, SA	K, SK	Ext Pin
		M	O	S	J	K	C	X	D	L	Lbs/pc g/pc	Lbs/pc g/pc	Lbs/pc g/pc
08B	inch	0.433	0.169	0.335	0.543	0.82	0.539	0.819	0.175	0.583	0.004	0.009	0.004
	mm	11.0	4.3	8.5	13.8	20.9	13.7	20.8	4.45	14.8	2.0	4.0	1.8
10B	inch	0.551	0.209	0.413	0.622	0.95	0.650	0.980	0.200	0.693	0.007	0.014	0.006
	mm	14.0	5.3	10.5	15.8	24.2	16.5	24.9	5.06	17.6	3.2	6.4	2.8
12B	inch	0.709	0.252	0.480	0.693	1.07	0.728	1.106	0.225	0.815	0.010	0.020	0.009
	mm	18.0	6.4	12.2	17.6	27.3	18.5	28.1	5.72	20.7	4.5	9.0	4.1
16B	inch	0.945	0.331	0.669	1.142	1.65	1.079	1.575	0.326	1.311	0.44	0.088	0.031
	mm	24.0	8.4	17.0	29.0	41.9	27.4	40.0	8.28	33.3	20	40	14
20B	inch	1.181	0.413	0.827	1.358	1.94	1.299	1.870	0.400	1.508	0.055	0.110	0.054
	mm	30.0	10.5	21.0	34.5	49.3	33.0	47.5	10.16	38.3	25	50	24.3

Base Chain Dimensions

SENQCIA Chain Number	Units	Chain Pitch	Roller		Pin			Side Plate			Rated Working Load			Ave Chain Weight
			Roller Dia.	Inside Width	Pin Dia.	Pin Length		Height	Thickness		Carbon Steel	304SS	Freedom Series C-Type	
		P	R	W	D	L1	L2	H	Ti	To	Lbs Kg-f	Lbs Kg-f	Lbs Kg-f	Lbs/ft Kg/m
08B	inch	0.500	0.335	0.305	0.175	0.33	0.39	0.465	0.060		705	105	600	0.41
	mm	12.70	8.51	7.75	4.45	8.4	9.8	11.8	1.5		320	48	273	0.61
10B	inch	0.625	0.400	0.380	0.200	0.37	0.44	0.579	0.065		895	145	760	0.60
	mm	15.875	10.16	9.65	5.08	9.5	11.2	14.7	1.65		407	66	345	0.89
12B	inch	0.750	0.475	0.460	0.225	0.43	0.50	0.634	0.070		1,150	195	980	0.76
	mm	19.05	12.07	11.68	5.72	11.0	12.6	16.1	1.8		523	89	445	1.14
16B	inch	1.000	0.625	0.670	0.325	0.69	0.81	0.827	0.157	0.125	2,460	455	2,090	1.74
	mm	25.4	15.88	17.02	8.26	17.6	20.6	21.0	4.0	3.2	1,120	207	950	2.59
20B	inch	1.250	0.750	0.770	0.400	0.79	0.94	1.039	0.177	0.138	3,810	-	3,240	2.52
	mm	31.75	19.05	19.56	10.16	20.1	23.9	26.4	4.5	3.5	1,730	-	1,475	3.76