



ALLIED-LOCKE INDUSTRIES

INCORPORATED

Precision Roller Chain • Engineering Class Chain
Agricultural Chain • Sprockets • Environmental Products

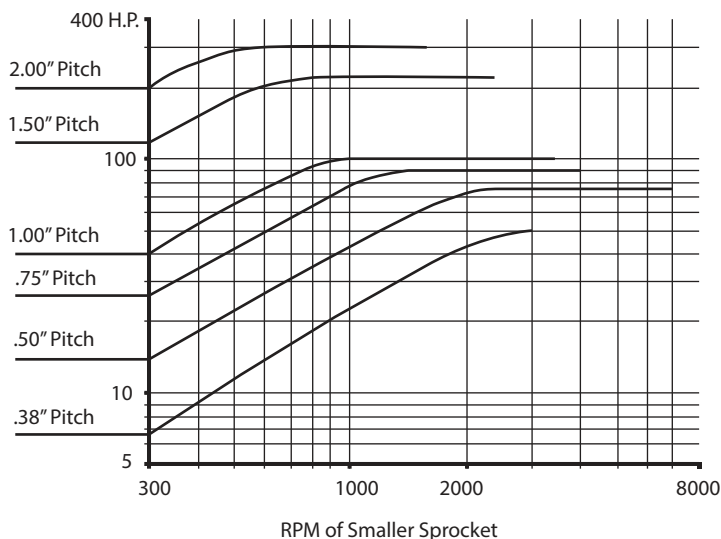
Industrial Inverted Tooth Chain for High Speed and High Load Applications

Inverted tooth chain is especially good for use in high speed and high load applications

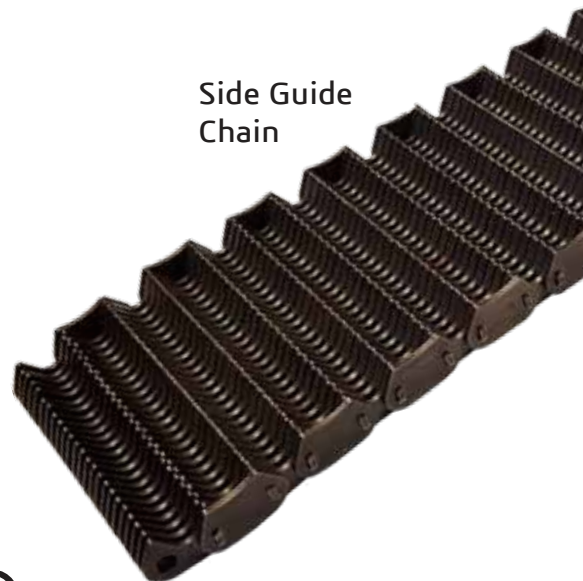
- High Tensile Strength
- Excellent Fatigue Resistance
- Low Noise
- Ultimate Wear Life

Horsepower Capacity

Inverted tooth chains can be operated at loads and speeds that often exceed the capability of belts and other types of chain.

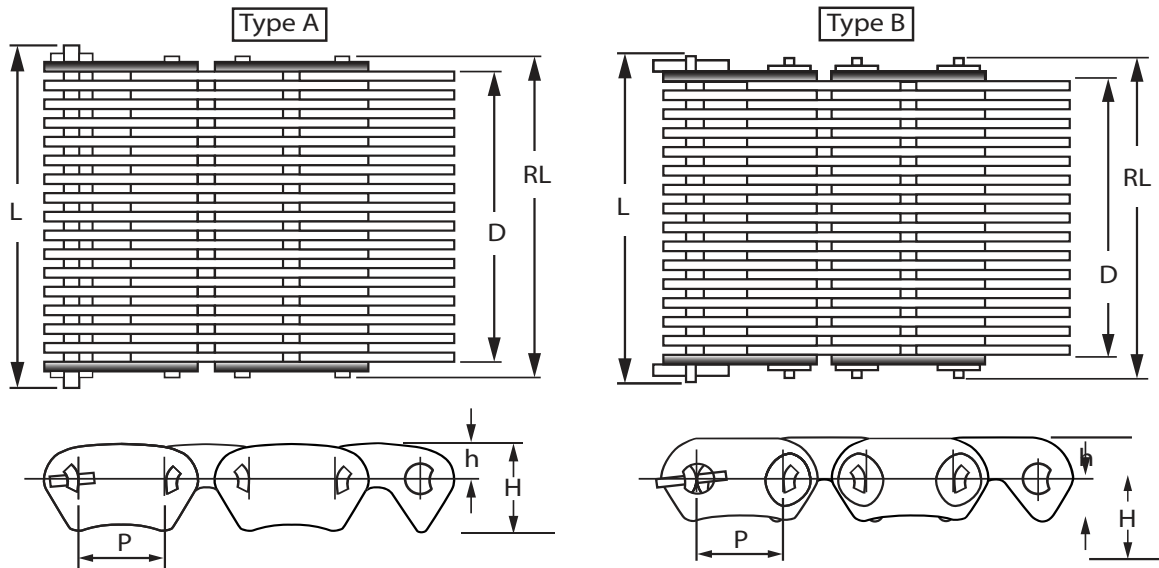


Center Guide Chain



Side Guide Chain

Allied-Locke Excel Series uses the outer sidebars as guides. They are shaded below.

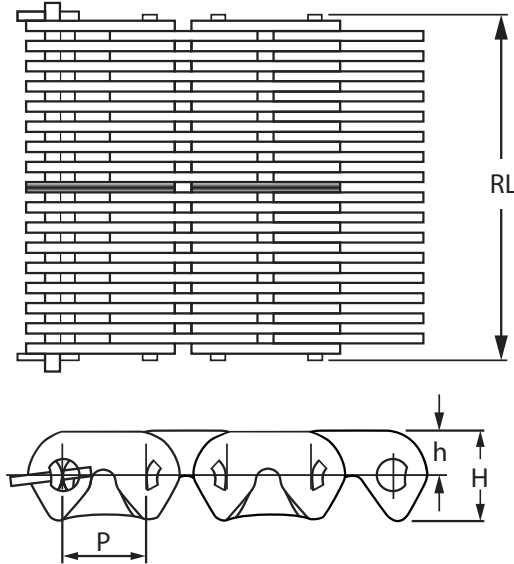


CHAIN #	CHAIN TYPE	PITCH P	WIDTH	HEIGHT ABOVE PITCH LINE	HEIGHT	DISTANCE BETWEEN GUIDES (min)	RIVET LENGTH	CONN. PIN LENGTH	AVERAGE ULTIMATE TENSILE STRENGTH (LB)	CHAIN WEIGHT (LB/Ft)
				h	H	D	RL	L		
EX303	A	0.375	0.75	0.17	0.43	0.69	0.89	1.03	6,173	0.7
EX304			1.00			0.94	1.15	1.28	8,267	0.9
EX306			1.50			1.44	1.65	1.78	12,346	1.3
EX308			2.00			1.94	2.15	2.29	16,535	1.7
EX312			3.00			2.94	3.15	3.29	24,692	2.6
EX404	A	0.500	1.00	0.22	0.57	0.94	1.15	1.28	11,023	1.1
EX406			1.50			1.44	1.65	1.78	16,535	1.7
EX408			2.00			1.94	2.15	2.29	22,046	2.3
EX412			3.00			2.94	3.15	3.29	33,069	2.4
EX416			4.00			3.94	4.15	4.29	44,092	4.6
EX606	A/B	0.750	1.50	0.34 (TYPE A)	0.85 (TYPE A)	1.52	1.53	1.54	24,692	2.6
EX608			2.00			2.00	2.01	2.02	33,069	3.5
EX612			3.00	0.41 (TYPE B)	0.82 (TYPE B)	3.00	3.01	3.02	49,604	5.2
EX616			4.00	4.00	4.01	4.02	66,139	6.9		
EX620			5.00	5.00	5.01	5.02	82,673	8.6		
EX808	A/B	1.000	2.00	0.45 (TYPE A)	1.14 (TYPE A)	2.00	2.03	2.02	44,092	4.6
EX812			3.00			3.00	3.03	3.02	66,139	6.9
EX816			4.00	0.54 (TYPE B)	1.10 (TYPE B)	4.00	4.03	4.02	88,185	9.2
EX820			5.00	5.00	5.03	5.02	110,231	11.5		
EX824			6.00	6.00	6.03	6.02	132,277	13.8		
EX1212	B	1.500	3.00	0.81	1.65	2.98	3.01	3.02	99,208	10.4
EX1216			4.00			3.98	4.01	4.02	132,277	13.8
EX1220			5.00			4.98	5.01	5.02	165,347	17.3
EX1224			6.00			5.98	6.01	6.02	198,416	20.7
EX1612	B	2.000	3.00	1.08	2.19	2.98	3.02	3.02	132,277	13.8
EX1616			4.00			3.98	4.02	4.02	176,370	18.4
EX1620			5.00			4.98	5.02	5.02	220,462	23.0
EX1624			6.00			5.98	6.02	6.02	264,554	27.6

Type A and Type B have different link profiles.
 Type A can sustain higher load and speed. It is for high performance conditions.
 Chains on this page are "Side Guide" style. Connecting Links are available.
 Widths other than listed are available upon request.



Allied-Locke Silent Series uses the inner-most sidebars as guides. They are shaded below.

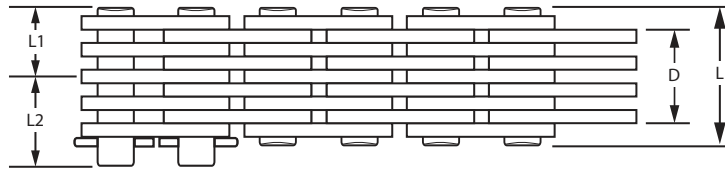


CHAIN #	PITCH	WIDTH	HEIGHT ABOVE PITCH LINE (min)	HEIGHT (max)	RIVET LENGTH	AVERAGE ULTIMATE TENSILE STRENGTH (LB)	CHAIN WEIGHT (LB/Ft)		
	P		W	h	H			RL	
SC302*	0.375	0.50	0.19	0.40	0.77	1,874	0.4		
SC303		0.75			0.89			2,866	0.5
SC304		1.00			1.15			3,748	0.7
SC305		1.25			1.40			4,740	0.9
SC306		1.50			1.65			5,622	1.3
SC308		2.00			2.15			7,496	1.5
SC403	0.500	0.75	0.25	0.53	0.89	5,622	0.7		
SC404		1.00			1.15			7,496	1.0
SC405		1.25			1.40			9,370	1.3
SC406		1.50			1.65			11,244	1.5
SC408		2.00			2.15			14,991	2.0
SC410		2.50			2.65			18,739	2.5
SC412		3.00			3.15			22,597	3.0
SC414		3.50			3.65			26,235	3.5
SC606	0.750	1.50	0.38	0.80	1.70	16,976	2.3		
SC608		2.00			2.20			22,597	3.0
SC610		2.50			2.70			28,109	3.8
SC612		3.00			3.20			33,841	4.5
SC616		4.00			4.20			45,084	6.0
SC620		5.00			5.20			56,218	7.5
SC812	1.000	3.00	0.50	1.06	3.24	45,084	6.0		
SC816		4.00			4.24			60,076	8.0
SC820		5.00			5.24			74,957	10.0
SC824		6.00			6.24			90,059	12.0

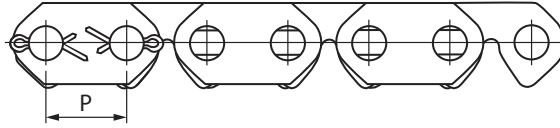
* SC302 has outer guides. Distance between guides is 0.46"
 Except for the SC302, chains on this page are "Center Guide" style.
 Silent chain series are with 2 pin joints. Connecting links are available.
 Widths other than listed are available upon request.



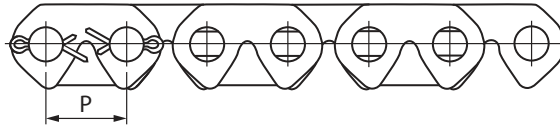
3/16" Pitch Silent Chain



Side Guide Profile



Center Guide Profile



CHAIN #	GUIDE TYPE	PITCH	WIDTH	DISTANCE BETWEEN GUIDES (min)		RIVET LENGTH		CONNECTOR PIN LENGTH		AVERAGE ULTIMATE TENSILE STRENGTH (LB)	CHAIN WEIGHT (LB/Ft)
				D	L	L1	L2				
SC0305	Side	0.187	0.16	0.09	0.20	0.11	0.14	507	0.07		
SC0307	Side		0.22	0.16	0.26	0.14	0.17	750	0.10		
SC0309	Side		0.28	0.22	0.33	0.17	0.20	992	0.12		
SC0311	Side		0.34	0.28	0.39	0.20	0.23	1,257	0.15		
SC0315	Side		0.47	0.41	0.52	0.27	0.30	1,764	0.20		
SC0319	Center		0.59	-	0.64	0.33	0.36	2,315	0.25		
SC0325	Center		0.78	-	0.83	0.42	0.45	2,976	0.33		
SC0331	Center		0.97	-	1.01	0.52	0.54	3,748	0.40		

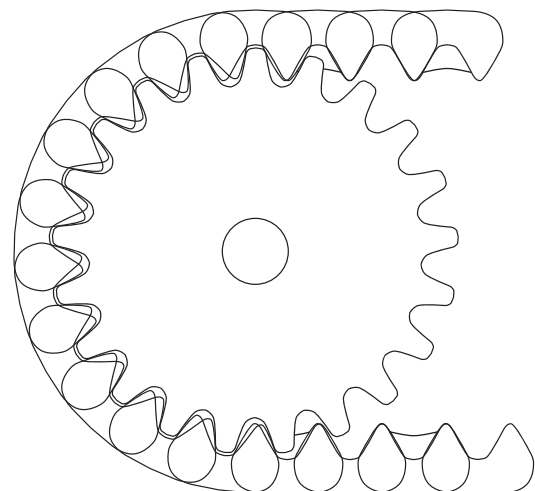
Other inverted tooth chain sizes and duplex chain are also available. Please contact us for more information.



Plant 2
Dixon, IL

High Speed Performance

Less chordal action and joint friction, when compared to roller chain.



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T- 800.435.7752
F- 800.462.3130
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