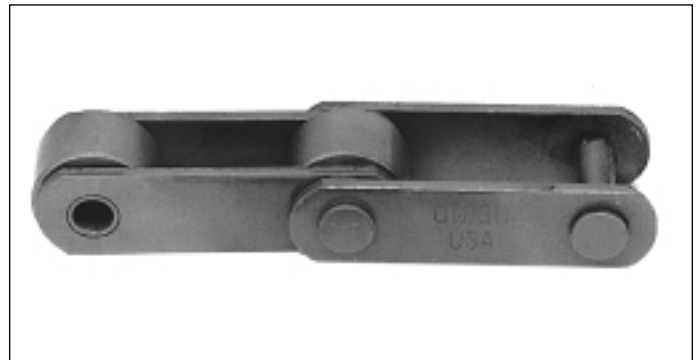
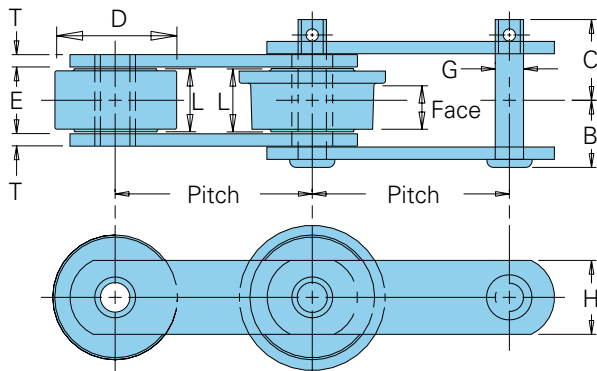


## Roller Conveyor Plain Chain



## Roller Conveyor Chain Specifications

All dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Width			Roller					Pin			Sidebar		Bushing	Bear- ing Area (in <sup>2</sup> )	Avg. Ult. Stgth. (lbs.)	Max. Work Load (lbs.)	Approx. Wgt. (lbs./ft.)	
		Pin Head to CL	Pin End to CL	In-side	Dia.	Lgth.	Styl. <sup>1</sup>	Matl. <sup>2</sup>	Face Width	Dia.	Styl. <sup>1</sup>	Matl. <sup>2</sup>	Hgt.	Th.	Matl. <sup>2</sup>					Matl. <sup>2</sup>
		<b>B</b>	<b>C</b>	<b>E</b>	<b>D</b>	<b>L</b>			<b>G</b>			<b>H</b>	<b>T</b>							
378R	1.654	1.03	1.25	1.00	.88	.97	T	AHT	.44	A	CHT	1.13	.19	HC	ACH	.61	13,000	2,100	3.7	
378RX	1.654	1.03	1.25	1.00	.88	.97	T	AHT	.44	A	CHT	1.13	.19	CHT	ACH	.60	20,000	2,100	3.7	
US-278R	2.609	1.13	1.31	1.13	.88	1.09	T	AHT	.44	J	CHT	1.13	.19	HC	CCH	.66	13,000	2,300	3.0	
81X	2.609	.91	1.16	1.06	.91	1.00	T	CCH	.44	K	CCH	1.13	.16	CHT	CCH	.61	15,000	2,150	2.5	
87R	2.609	1.20	1.45	1.13	.88	1.06	T	AHT	.44	A	CHT	1.13	.25	HC	CCH	.72	18,000	2,500	3.8	
53R	3.000	1.03	1.25	1.00	1.50	.97	T	PMHT	.44	A	CHT	1.13	.19	CRS	ACH	.61	13,000	2,100	3.9	
93R	3.000	1.28	1.47	1.25	1.50	1.19	T	CCH	.50	A	CHT	1.25	.25	HC	ACH	.88	20,000	3,000	4.8	
119R	3.075	1.59	1.84	1.50	1.25	1.44	T	AHT	.63	A	ACH	1.50	.31	HC	ACH	1.34	28,000	4,600	6.8	
119RX	3.075	1.59	1.84	1.50	1.25	1.44	T	AHT	.63	A	ACH	1.50	.31	CHT	ACH	1.34	48,000	4,600	6.8	
95R	4.000	1.03	1.25	1.00	1.50	.97	T	PMHT	.44	A	CHT	1.13	.19	CRS	ACH	.61	13,000	2,100	3.4	
1188R	4.000	1.13	1.28	1.13	1.75	1.06	T	CRS	.44	A	ACH	1.13	.19	CRS	CCH	.66	13,000	2,100	3.3	
94R	4.000	1.11	1.30	.88	1.50	.81	T	PMHT	.50	A	CHT	1.25	.25	CRS	ACH	.61	19,000	2,400	4.1	
97R	4.000	1.11	1.30	.88	1.75	.81	T	PMHT	.50	A	CHT	1.25	.25	CRS	ACH	.61	19,000	2,400	4.5	
US-90R	4.000	1.11	1.33	1.19	2.00	1.13	T	CCH	.44	A	CHT	1.25	.19	HC	ACH	.69	16,500	2,400	5.3	
83R	4.000	1.38	1.63	1.31	2.00	1.25	T	CCH	.63	A	CHT	1.50	.25	HC	CCH	1.14	22,000	3,650	6.6	
91R	4.000	1.50	1.75	1.31	1.75	1.25	T	CRS	.63	A	CHT	1.50	.31	HC	ACH	1.11	28,000	4,100	7.0	
89R	4.000	1.59	1.88	1.31	2.25	1.25	T	CCH	.63	A	CHT	1.50	.38	HC	CCH	1.10	28,000	4,500	10.6	
84R	4.000	2.08	2.44	2.31	2.25	2.25	T	CCH	.63	A	CHT	1.50	.38	HC	ACH	1.93	28,000	4,700	13.5	
1113R	4.040	1.50	1.75	1.31	2.00	1.25	T	CCH	.63	A	CHT	1.50	.31	HC	ACH	1.09	26,000	4,250	7.4	
50001	5.000	1.48	1.68	1.19	2.25	1.16	T	CCH	.63	A	ACH	1.50	.31	CHT	ACH	1.01	45,000	3,960	7.1	
6053R	6.000	1.03	1.25	1.00	1.50	.97	T	PMHT	.44	A	CHT	1.13	.19	HC	ACH	.61	13,000	2,100	3.1	
US-196R	6.000	1.20	1.45	1.13	2.00	1.06	T	CCH	.44	A	CHT	1.25	.25	HC	CCH	.72	18,000	2,500	5.0	
604R	6.000	1.33	1.58	1.31	2.00	1.25	T	CCH	.56	A	CHT	1.50	.25	HC	ACH	1.01	21,000	3,500	5.4	
607R	6.000	1.33	1.58	1.31	2.50	1.25	T	CCH	.56	A	CHT	1.50	.25	HC	ACH	1.01	21,000	3,500	6.5	
603R	6.000	1.33	1.58	1.31	2.50	1.25	U	AIHT	.88	.56	A	CHT	1.50	.25	HC	ACH	1.01	21,000	3,500	5.5
86R	6.000	1.38	1.63	1.31	2.00	1.25	V	AIHT	.63	A	CHT	1.50	.25	HC	CCH	1.14	22,000	3,600	5.4	
1604 <sup>3</sup>	6.000	1.22	1.44	1.06	3.00	.88	T	CCH	.50	A	ACH	1.25	.25	CHT	CCH	.78	24,000	2,750	5.4	
625R	6.000	1.56	1.81	1.69	3.00	1.63	U	AIHT	1.13	.63	A	CHT	2.00	.25	HC	CCH	1.38	25,000	4,750	9.8
627R	6.000	1.47	1.75	1.31	2.00	1.25	T	CCH	.63	A	CHT	1.50	.31	HC	ACH	1.22	26,000	4,250	6.6	
629R	6.000	1.59	1.84	1.50	3.00	1.44	V	CCH	1.31	.63	A	ACH	1.50	.31	HC	ACH	1.30	26,000	4,650	9.7
628R	6.000	1.59	1.88	1.31	2.25	1.25	T	CRS	.63	A	ACH	1.75	.38	HC	CCH	1.11	28,000	4,500	8.7	

Dimensions shown are nominal. Obtain certified prints for design and construction.

█ Indicates this chain is normally stocked. All others are made-to-order.

<sup>1</sup>Styles for rollers, pins, sidebars and bushings are shown on pages A-17 ~ A-18.

<sup>2</sup>Material: CHT = Carbon heat-treated; CCH = Carbon case hardened; AHT = Alloy heat-treated; CRS = Cold rolled steel; AIHT = Alloy iron heat-treated; ACH = Alloy case hardened; HC = High carbon; PMHT = Powdered metal heat-treated.

<sup>3</sup>Offset sidebar.

<sup>4</sup>CC5 is only provided in high sidebar design.

To locate compatible sprockets for your chain, refer to the Product Cross-Reference in Section D.

Note: Dimensions are subject to change. Contact Union Chain to obtain certified prints for design and construction.

**Roller Conveyor Specifications (Continued)**

All dimensions are in inches unless otherwise indicated.

Chain No.	Pitch	Width			Roller					Pin			Sidebar			Bushing	Bear- ing Area (in. <sup>2</sup> )	Avg. Ult. Stgth. (lbs.)	Max. Work Load (lbs.)	Approx. Wgt. (lbs./ft.)
		Pin Head to CL	Pin End to CL	In- side	Dia.	Lgth.	Sty. <sup>1</sup>	Matl <sup>2</sup>	Face Width	Dia.	Sty. <sup>1</sup>	Matl <sup>2</sup>	Hgt.	Th.	Matl <sup>2</sup>	Matl <sup>2</sup>				
		<b>B</b>	<b>C</b>	<b>E</b>	<b>D</b>	<b>L</b>			<b>G</b>			<b>H</b>	<b>T</b>							
626R	6.000	1.59	1.88	1.31	3.00	1.25	V	CCH	1.13	.63	A	ACH	2.00	.38	HC	CCH	1.10	28,000	4,500	10.7
60001	6.000	1.39	1.68	1.19	2.50	1.16	T	CCH		.63	A	ACH	1.50	.31	CHT	ACH	1.01	45,000	3,960	7.4
1126R <sup>3</sup>	6.000	1.59	1.91	1.31	2.25	1.25	T	CRS		.63	A	ACH	1.50	.38	HC	CCH	1.10	28,000	4,500	8.0
1126RS <sup>3</sup>	6.000	1.59	1.91	1.31	3.00	1.25	T	CCH		.63	A	ACH	1.50	.38	HC	CCH	1.10	28,000	4,500	10.0
2130R <sup>3</sup>	6.000	1.72	2.00	1.31	2.50	1.25	T	CCH		.75	A	ACH	2.00	.38	HC	CCH	1.55	38,000	5,250	11.0
631R	6.000	1.63	2.03	1.38	3.00	1.31	T	CCH		.75	A	CHT	2.00	.38	HC	CCH	1.61	38,000	5,600	12.2
614R	6.000	1.63	2.03	1.38	2.50	1.31	T	CCH		.75	A	CHT	2.00	.38	HC	CCH	1.48	38,000	5,600	11.0
B-663R	6.000	1.94	2.38	2.00	3.00	1.94	U	AIHT	1.50	.75	A	CHT	2.00	.38	HC	ACH	2.07	41,000	7,200	14.0
1630R <sup>3</sup>	6.000	1.66	2.03	1.38	2.50	1.31	T	CCH		.88	A	ACH	2.00	.38	HC	ACH	1.66	43,000	6,500	11.0
2184R <sup>3</sup>	6.000	1.66	2.03	1.38	3.00	1.31	V	PMHT	1.18	.88	J	ACH	2.00	.38	HC	ACH	1.66	43,000	6,500	12.3
2184RX <sup>3</sup>	6.000	1.66	2.03	1.38	3.00	1.31	V	PMHT	1.18	.88	J	ACH	2.00	.38	CHT	ACH	1.66	75,000	6,500	12.0
CC5 <sup>4</sup>	6.000	1.50	1.69	1.38	2.50	1.31	T	CCH		.69	A	CCH	2.50	.31	HC	CCH	1.38	50,000	4,800	11.0
610R	6.000	1.78	2.19	1.69	2.75	1.63	T	CCH		.88	A	ACH	2.25	.38	HC	CCH	2.16	45,000	7,450	13.5
96R	6.000	1.69	2.09	1.50	2.75	1.44	T	CCH		.75	A	ACH	2.00	.38	HC	ACH	1.61	47,000	5,900	11.8
1131R	6.000	1.69	2.09	1.50	3.00	1.44	T	CCH		.75	A	ACH	2.00	.38	HC	ACH	1.61	47,000	5,900	12.5
96RX	6.000	1.69	2.09	1.50	2.75	1.44	T	CCH		.75	A	ACH	2.00	.38	CHT	ACH	1.61	70,000	5,900	11.8
2198RX	6.000	1.97	2.38	1.50	2.75	1.44	V	CCH	1.31	.88	A	AHT	2.25	.50	CHT	ACH	1.80	100,000	7,700	15.3
2178RX	6.000	1.72	2.09	1.50	2.75	1.44	V	CCH	1.31	.88	A	AHT	2.25	.38	CHT	ACH	2.00	85,000	6,900	13.1
800RX	8.000	2.19	2.63	1.81	3.50	1.75	V	CCH	1.63	1.00	K	ACH	3.00	.50	CHT	ACH	2.81	125,000	9,800	22.5
806R	8.000	2.22	2.63	1.81	3.00	1.75	T	CCH		1.00	K	AHT	2.50	.50	CHT	CCH	2.81	95,000	9,800	22.5
896R	8.000	1.69	2.09	1.50	3.50	1.44	V	CCH	1.31	.75	A	ACH	2.00	.38	HC	ACH	1.70	47,000	5,900	14.3
925R	9.000	1.56	1.84	1.69	3.00	1.63	U	AIHT	1.13	.63	A	CHT	2.00	.25	HC	CCH	1.38	25,000	4,150	8.2
B-912R	9.000	1.59	1.88	1.50	3.00	1.44	V	CCH	1.38	.63	A	ACH	2.00	.31	HC	ACH	1.34	47,000	4,650	8.6
B-963R	9.000	1.94	2.34	2.00	3.50	1.94	U	AIHT	1.25	.75	A	CHT	2.00	.38	HC	ACH	2.07	41,000	7,200	13.0
D-963R	9.000	1.94	2.34	2.00	3.50	1.94	V	CCH	1.81	.75	A	CHT	2.00	.38	HC	ACH	2.07	41,000	7,200	13.0
E-963R	9.000	1.94	2.34	2.00	4.00	1.94	W	AIHT	1.25	.75	A	CHT	2.00	.38	HC	ACH	2.07	41,000	7,200	14.0
961R <sup>3</sup>	9.000	2.25	2.69	1.91	1.75	1.91	T	AHT		.88	A	ACH	2.25	.50	HC	CCH	2.56	60,000	9,000	10.0
4004	9.000	2.63	3.03	2.63	3.00	2.56	T	CCH		1.00	K	AHTIH	2.50	.50	HC	ACH	3.63	75,000	12,700	18.0
973R	9.000	2.59	3.06	2.63	5.00	2.56	U1	AIHT	1.75	1.00	K	AHT	2.50	.50	HC	ACH	3.63	75,000	12,700	23.6
B-964R	9.000	2.09	2.47	2.25	4.00	2.19	W	AIHT	1.50	.88	J	CHT	2.50	.38	HC	ACH	2.65	70,000	9,200	17.0
965R	9.000	2.09	2.47	2.25	3.00	2.19	V	CCH	2.06	.88	J	CHT	2.50	.38	HC	ACH	2.65	70,000	9,200	16.5
4009	9.000	2.06	2.50	2.19	3.00	2.13	T	CCH		.88	K	AIH	2.50	.38	AHT	ACH	2.60	67,000	9,200	13.0
4065	9.000	3.06	3.38	3.06	4.25	3.00	V	CCH	2.88	1.25	K	AIH	3.50	.63	HC	CCH	5.40	148,000	18,900	35.7
B-1212R	12.000	1.59	1.88	1.50	3.00	1.44	V	CCH	1.38	.63	A	ACH	2.00	.31	HC	ACH	1.34	41,000	4,650	7.5
B-1263R	12.000	1.94	2.34	2.00	3.50	1.94	U	AIHT	1.25	.75	A	CHT	2.00	.38	HC	CCH	2.07	41,000	7,200	11.0
D-1263R	12.000	1.94	2.34	2.00	3.50	1.94	V	CCH	1.81	.75	A	CHT	2.00	.38	HC	ACH	2.07	41,000	7,200	11.0
E-1263R	12.000	1.94	2.34	2.00	4.00	1.94	W	AIHT	1.25	.75	A	CHT	2.00	.38	HC	ACH	2.07	41,000	7,200	12.0
B-1266R	12.000	1.88	2.16	1.63	3.25	1.56	V	CCH	1.38	.75	A	CHT	2.00	.38	HC	CCH	1.79	41,000	6,300	9.5
1276R	12.000	1.94	2.22	2.00	4.00	1.94	U	AIHT	1.25	.75	A	CHT	2.50	.31	HC	CCH	1.97	41,000	7,200	12.0
1273R	12.000	2.59	3.06	2.63	5.00	2.56	U1	AIHT	1.75	1.00	K	CHT	2.50	.50	HC	ACH	3.63	75,000	12,700	21.5
B-1264R	12.000	2.09	2.47	2.25	4.00	2.19	W	AIHT	1.50	.88	J	CHT	2.50	.38	HC	ACH	2.65	70,000	9,200	15.0
1265R	12.000	2.09	2.47	2.25	3.00	2.19	V	CCH	2.06	.88	J	CHT	2.50	.38	HC	ACH	2.65	70,000	10,000	12.7
1271R	12.000	2.66	3.06	2.75	5.00	2.69	W	AIHT	1.75	1.25	K	AHT	3.00	.50	HC	CCH	4.69	100,000	16,400	27.0
B-1863R	18.000	1.94	2.34	2.00	3.50	1.94	V	AIHT	1.81	.75	A	CHT	2.00	.38	HC	ACH	2.07	41,000	7,200	9.5
D-1863R	18.000	1.94	2.34	2.00	3.50	1.94	U	AIHT	1.25	.75	A	CHT	2.00	.38	HC	ACH	2.07	41,000	7,200	9.5
F-1863R	18.000	1.94	2.34	2.00	4.00	1.94	U1	AIHT	1.25	.75	A	CHT	2.00	.38	HC	ACH	2.07	41,000	7,200	10.0
B-1864R	18.000	2.09	2.47	2.25	4.00	2.19	W	AIHT	1.50	.88	J	CHT	2.50	.38	HC	ACH	2.65	70,000	9,200	12.0
G-1864R	18.000	2.09	2.47	2.25	4.00	2.19	V	CCH	2.00	.88	J	CHT	2.50	.38	HC	ACH	2.65	70,000	9,200	11.0
1873R	18.000	2.59	3.06	2.63	5.00	2.56	U1	AIHT	1.75	1.00	K	AHT	2.50	.50	HC	ACH	3.63	75,000	12,700	17.0
1871R	18.000	2.66	3.06	2.75	5.00	2.69	W	AIHT	1.75	1.25	K	AHT	3.00	.50	HC	ACH	4.69	100,000	16,400	21.0
1866R	18.000	3.03	3.47	2.75	6.00	2.69	U1	AIHT	1.88	1.25	K	CCH	3.00	.63	HC	CCH	5.01	115,000	17,500	26.5
1867R	18.000	3.28	3.59	3.00	6.00	2.94	U1	AIHT	1.88	1.50	K	CCH	3.50	.63	HC	CCH	6.39	150,000	22,300	31.5

Dimensions shown are nominal. Obtain certified prints for design and construction.

Indicates this chain is normally stocked. All others are made-to-order.

<sup>1</sup>Styles for rollers, pins, sidebars, and bushings are shown on pages A-17 ~ A-18.

<sup>2</sup>Material: CHT = Carbon heat-treated; CCH = Carbon case hardened; AHT = Alloy heat-treated; CRS = Cold rolled steel; AIHT = Alloy iron heat-treated; ACH = Alloy case hardened; HC = High carbon; PMHT = Powdered metal heat-treated.

<sup>3</sup>Offset sidebar.

<sup>4</sup>CC5 is only provided in high sidebar design.

To locate compatible sprockets for your chain, refer to the Product Cross-Reference in Section D.

Note: Dimensions are subject to change. Contact Union Chain to obtain certified prints for design and construction.