



SECTION 6

MISCELLANEOUS

Crossties	31
• Wood	
• Concrete	
Conversion Charts	32- 35
What Our Customers Say	36



CROSSTIES

Wood



Concrete



CONVERSION CHARTS

U.S. / METRIC CONVERSION TABLE

Area Conversions:

Multiply	By This Number	To Convert To
hectares	2.47	acres
square kilometers	0.3861	square miles
square meters	1.196	square yards
acres	0.4047	hectares
square feet	0.09290394	square meters
square inches	0.00064516	square meters
square miles	2.59	square kilometers
square yards	0.83612736	square meters

Length Conversions:

Multiply	By This Number	To Convert To
Centimeters	0.03281	feet
Centimeters	0.3937	inches
Cubic meters	35.3145	cubic feet
Kilometers	0.62	miles
Meters	3.2808	feet
Meters	39.37	inches
Meters	0.0006214	miles
Meters	1.0936	yards
Millimeters	0.04	inches
Feet	0.3048	meters
Inches	2.54	centimeters
Inches	25.4	millimeters
Miles	1.609347	kilometers
Yards	0.9144	meters



CONVERSION CHARTS (continued)

U.S. / METRIC CONVERSION TABLE - CONTINUED

Mass (weight) Conversions

Multiply	By This Number	To Convert To
Grains	0.0648	grams
Grams	0.002205	pounds
Metric tons	0.9842	tons (long 2240lbs)
Metric tons	1.1023	tons (short 2000 lbs)
Grains	0.0000648	kilograms
Grams	15.4324	grains
Pounds	0.4535925	kilograms
Tons (long 2240 lbs)	1.016	metric tons
Tons (short 2000 lbs)	907.1848	kilograms
Tons (short 2000 lbs)	0.9072	metric tons

Temperature Conversions

Multiply	By This Number	To Convert To
Fahrenheit	$(^{\circ}\text{F} - 32) / 1.8$	Celsius
Celsius	$(^{\circ}\text{C} * 1.8) + 32$	Fahrenheit
Celsius	Add 273.15	Kelvin
Kelvin	Subtract 273.15	Celsius

Power (Energy) Conversions

Multiply	By This Number	To Convert To
British thermal units	1055.056	joules
Calories	4.1868	joules
Kilowatt-hours	3600000	joules



CONVERSION CHARTS (continued)

U.S. / METRIC CONVERSION TABLE - CONTINUED

Volume Conversions

Multiply	By This Number	To Convert To
Canadian Gallons	4.5461	liters
Hectoliters	2.8378	U.S. bushels
Liters	0.2642	gallons
Liters	0.1135	pecks
Liters	1.8162	pints (dry)
Liters	2.1134	pints (liquid)
Liters	0.908	quarts
Liters	0.9081	quarts (dry)
Liters	1.0567	quarts (liquid)
Cubic Feet	0.02831685	cubic meters
Cubic Inches	0.00001639	cubic meters
Cubic Yards	0.7645549	cubic meters
Fluid Ounces	0.00002957	cubic meters
Fluid Ounces	29.57353	milliliters
Gallons	0.00378543	cubic meters
Gallons	3.7853	liters
Pecks	8.8096	liters
Pints (dry)	0.5506	liters
Pints (liquid)	0.4732	liters
Quarts (dry)	1.1012	liters
Quarts (liquid)	0.9463	liters
U.S. Bushels	0.3524	hectoliters



CONVERSION CHARTS

	DECIMALS	MILLIMETERS
1/64	0.015625	0.397
1/32	.03125	0.794
3/64	.046875	1.191
1/16	.0625	1.588
5/64	.078125	1.984
3/32	.09375	2.381
7/64	.109375	2.778
1/8	.1250	3.175
9/64	.140625	3.572
5/32	.15625	3.969
11/64	.171875	4.366
3/16	.1875	4.763
13/64	.203125	5.159
7/32	.21875	5.556
15/64	.234375	5.953
1/4	.2500	6.350
17/64	.265625	6.747
9/32	.28125	7.144
19/64	.296875	7.541
5/16	.3125	7.938
21/64	.328125	8.334
11/32	.34375	8.731
23/64	.359375	9.128
3/8	.3750	9.525
25/64	.390625	9.922
13/32	.40625	10.319
27/64	.421875	10.716
7/16	.4375	11.113
29/64	.453125	11.509
15/32	.46875	11.906
31/64	.484375	12.303
1/2	.5000	12.700

	DECIMALS	MILLIMETERS
33/64	0.515625	13.097
17/32	.53125	13.494
35/64	.546875	13.891
9/16	.5625	14.288
37/64	.578125	14.684
19/32	.59375	15.081
39/64	.609375	15.478
5/8	.6250	15.875
41/64	.640625	16.272
21/32	.65625	16.669
43/64	.671875	17.066
11/16	.6875	17.463
45/64	.703125	17.859
23/32	.71875	18.256
47/64	.734375	18.653
3/4	.7500	19.050
49/64	.765625	19.447
25/32	.78125	19.844
51/64	.796875	20.241
13/16	.8125	20.638
53/64	.828125	21.034
27/32	.84375	21.431
55/64	.859375	21.828
7/8	.8750	22.225
57/64	.890625	22.622
29/32	.90625	23.019
59/64	.921875	23.416
15/16	.9375	23.813
61/64	.953125	24.209
31/32	.96875	24.606
63/64	.984375	25.003
1	1.000	25.400

MM	INCHES	MM	INCHES
.1	.0039	46	1.8110
.2	.0079	47	1.8504
.3	.0118	48	1.8898
.4	.0157	49	1.9291
.5	.0197	50	1.9685
.6	.0236	51	2.0079
.7	.0276	52	2.0472
.8	.0315	53	2.0866
.9	.0354	54	2.1260
1	.0394	55	2.1654
2	.0787	56	2.2047
3	.1181	57	2.2441
4	.1575	58	2.2835
5	.1969	59	2.3228
6	.2362	60	2.3622
7	.2756	61	2.4016
8	.3150	62	2.4409
9	.3543	63	2.4803
10	.3937	64	2.5197
11	.4331	65	2.5591
12	.4724	66	2.5984
13	.5118	67	2.6378
14	.5512	68	2.6772
15	.5906	69	2.7165
16	.6299	70	2.7559
17	.6693	71	2.7953
18	.7087	72	2.8346
19	.7480	73	2.8740
20	.7874	74	2.9134
21	.8268	75	2.9528
22	.8661	76	2.9921
23	.9055	77	3.0315
24	.9449	78	3.0709
25	.9843	79	3.1102
26	1.0236	80	3.1496
27	1.0630	81	3.1890
28	1.1024	82	3.2283
29	1.1417	83	3.2677
30	1.1811	84	3.3071
31	1.2205	85	3.3465
32	1.2598	86	3.3858
33	1.2992	87	3.4252
34	1.3386	88	3.4646
35	1.3780	89	3.5039
36	1.4173	90	3.5433
37	1.4567	91	3.5827
38	1.4961	92	3.6220
39	1.5354	93	3.6614
40	1.5748	94	3.7008
41	1.6142	95	3.7402
42	1.6535	96	3.7795
43	1.6929	97	3.8189
44	1.7323	98	3.8583
45	1.7717	99	3.8976
		100	3.9370

1 mm = .03937"
.001" = .0254 mm



WHAT OUR CUSTOMERS SAY ABOUT US

"Having done business with Lanier Steel for years, I know that when they say they will do something, I can count on it. They always deliver on time, are great people to deal with, and they have a sense of humor."

Kirby Wallace, President/Owner
Rapid Track Service, Inc.
Tyrone, Georgia

"Lanier Steel has been a solid, reputable supplier to Herzog for many years. They have always been timely and responsive to our needs. We look forward to many more years of working with them on our Railroad and Rail Transit projects."

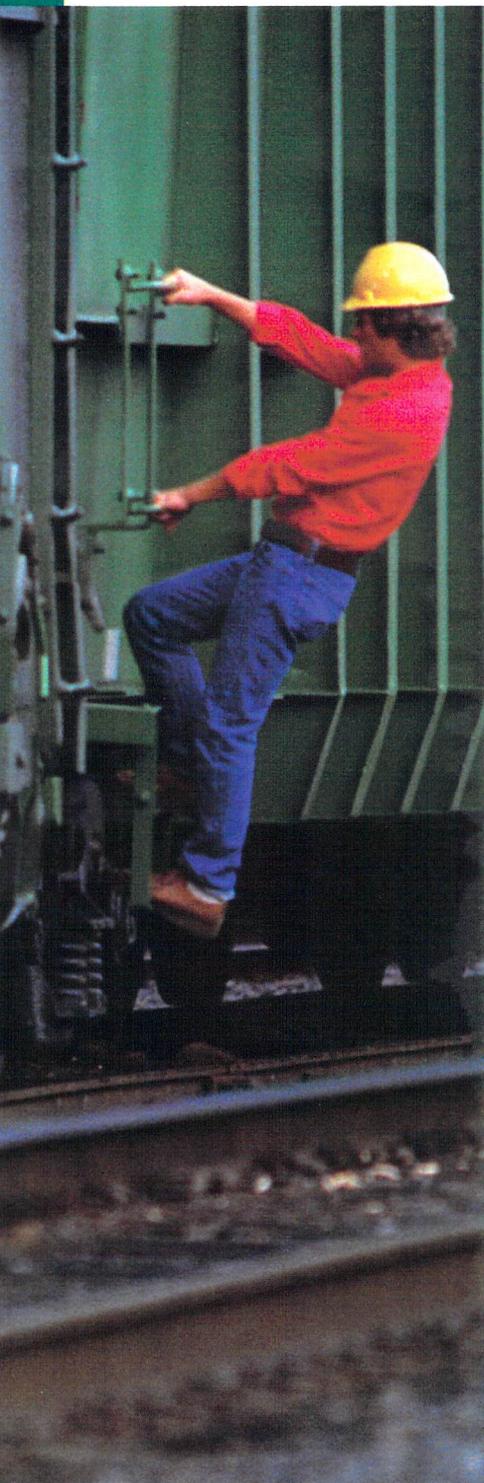
Randy Poggemiller, Vice President - Railroad Division
Herzog Contracting Corp.
St. Joseph, Missouri

"I have been involved in the solicitation of competitive bid quotations as well as purchasing track work materials from Lanier Steel Products since 1991. They have superb knowledge of not only track materials and manufacturers, but also possess the industry insight that allows Lanier Steel Products to remain competitive throughout the nation. They understand the contractor's needs which are exemplified with the honest and reliable service they continue to provide."

Shelby Conrad, Staff Estimator
Washington Group International
Boise, Idaho

"We have been working with Lanier Steel for about two years and they've always provided quick service. In addition, they have a willingness to assist in any way to keep the project moving forward. We would be happy to do business with them on any future projects."

Tom LeBeau, Project Manager
TriCounty Rail Constructors
DelRay Beach, Florida

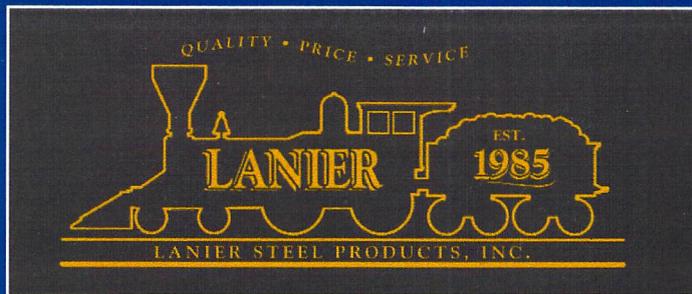


We carry many more items than can be shown here so please call us and we'll be glad to provide personalized service for all of your tracking needs. Use this catalog as your "guide" for ordering track materials.

We'll be glad to provide detailed information, help with sizes, other specifications, and anything else you may need even if it isn't in the catalog.



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