

**TABLE OF
WEIGHTS & DIMENSIONS
OF RAIL
AS ROLLED BY DIFFERENT MANUFACTURERS**

Drawer #
172
6585

GROSS TONS OF RAIL PER MILE

Rule to find the number of gross tons of rail per mile, divide the weight per yard by 7, and multiply by 11.

Example - For 56 pound rail
 $56 \div 7 = 8 \times 11 = 88$ tons.

The number of tons of 2000 pounds required per mile is very nearly $1\frac{3}{4}$ times the weight per yard.

AMOUNT IN GROSS TONS OF RAILS FOR ONE MILE OF TRACK

WEIGHT per yard	TONS per mile	WEIGHT per yard	TONS per mile
8 lbs.	12.57	65 lbs.	102.12
10 "	15.71	66 "	103.71
12 "	18.86	67 "	105.27
14 "	22.00	68 "	106.86
16 "	25.14	70 "	110.00
20 "	31.43	71 "	111.57
25 "	39.29	72 "	113.14
30 "	47.14	73 "	114.71
35 "	55.00	75 "	117.86
40 "	62.86	78 "	122.57
45 "	70.71	80 "	125.71
48 "	75.43	82 "	128.86
50 "	78.57	85 "	133.57
52 "	81.71	88 "	138.29
55 "	86.43	90 "	141.43
56 "	88.00	92 "	144.57
57 "	89.57	95 "	149.29
60 "	94.29	98 "	154.00
61 "	95.86	100 "	157.14
63 "	99.00	105 "	165.00
		110 "	172.86

GROSS TONS PER 100 LINEAL FEET OF RAIL

WT. OF RAIL	TONS.	WT. OF RAIL	TONS.
48	.71428571	66	.98214286
52	.77380952	67	.99702381
56	.83333333	71	1.05654762
60	.89285714	75	1.11607143
61	.90773809	85	1.26488095
65	.96726190	90	1.33928571
		101	1.50297619

1 1/16"	30 lbs.
1 3/4"	35 "
1 7/8"	40 "
2"	45 "
2 1/8"	50 "
2 1/4"	55 "
2 3/8"	60 "
2 1/2"	65 "
2 5/8"	70 "
2 3/4"	75 "
2 7/8"	80 "
2 9/8"	85 "
2 5/8"	90 "
2 11/16"	95 "
2 3/4"	100 "

WIDTH
OF TREAD

AMERICAN SOCIETY CIVIL ENGINEERS
STANDARD RAIL SECTIONS.

WIDTH OF BASE

3 1/8 "	30 lbs.
3 5/16 "	35 "
3 1/2 "	40 "
3 11/16 "	45 "
3 7/8 "	50 "
4 1/16 "	55 "
4 1/4 "	60 "
4 7/16 "	65 "
4 5/8 "	70 "
4 13/16 "	75 "
5 "	80 "
5 3/16 "	85 "
5 3/8 "	90 "
5 9/16 "	95 "
5 3/4 "	100 "

A.R.A. SERIES "A" RAIL

2 1/4 "	60 lbs.
2 3/8 "	70 "
2 1/2 "	80 "
2 9/16 "	90 "
2 3/4 "	100 "

60 lbs.
70 "
80 "
90 "
100 "



AMERICAN RAILWAY ASSOCIATION
STANDARD RAIL SECTIONS

4 "	60 lbs.
4 1/4 "	70 "
4 5/8 "	80 "
5 1/8 "	90 "
5 1/2 "	100 "

A.R.A. SERIES "B" RAIL

2 1/8 "	60 lbs.
2 3/8 "	70 "
2 7/16 "	80 "
2 9/16 "	90 "
2 11/16 "	100 "

60 lbs.
70 "
80 "
90 "
100 "



AMERICAN RAILWAY ASSOCIATION
STANDARD RAIL SECTIONS

3 11/16 "	60 lbs.
4 3/16 "	70 "
4 7/16 "	80 "
4 49/64 "	90 "
5 9/64 "	100 "

ILLINOIS STEEL COMPANY RAIL SECTIONS

SEC. NOS.		WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
OLD	NEW				
802	841	8	1 9/16	1 9/16	2 5/32
1001	1040	10	1 3/4	1 3/4	1 5/16
1201	1240	12	2	2	1
1401	1440	14	2 1/16	2 1/16	1 1/16
1601	1640	16	2 3/8	2 3/8	1 1/4
2001	2040	20	2 5/8	2 5/8	1 1/2
2501	2540	25	2 7/8	2 7/8	1 3/4
2502	2540	25	2 3/4	2 3/4	1 1/2
3001	3040	30	3	3 1/4	1 25/32
3002	3040	30	3 1/8	3 1/8	1 11/16
3501	3540	35	3 1/32	3 1/32	1 25/32
3502	3540	35	3 5/16	3 5/16	1 3/4
3521	3540	35	3 1/32	3 5/16	1 25/32
4001	4040	40	3 1/2	3 1/2	1 27/32
4004	4040	40 *	3 1/2	3 1/2	1 7/8
4021	4040	40	3 3/16	3 1/2	1 25/32
4501	4540	45	3 3/4	3 11/16	2
4504	4540	45 *	3 11/16	3 11/16	2
4521	4540	45	3 3/8	3 11/16	1 15/16
4801	4840	48	3 3/4	3 13/16	2 1/32
4802	4840	48	3 107/128	3 7/8	2 11/32
4803	4840	48	3 49/64	3 11/16	2 5/64
4821	4840	48	3 29/64	3 11/16	2 1/64
5001	5040	50	3 1/2	3 15/16	2
5004	5040	50	3 27/32	3 13/16	2 1/8
5005	5040	50 *	3 7/8	3 7/8	2 1/8
5201	5240	52	3 3/4	3 63/64	2 1/8
5501	5540	55 *	4 1/16	4 1/16	2 1/4
5606	5640	56	4	4 3/16	2 1/4
5607	5640	56	3 27/32	4	2 5/16
5608	5640	56	4	4 1/16	2 7/32
5610	5640	56	3 3/32	4 1/4	2 7/32
5611	5640	56	3 3/4	4 1/4	2 3/16
5614	5640	56	4 1/4	4 1/4	2 3/16
5615	5640	56	3 3/32	4 5/16	2 3/16

ILLINOIS STEEL COMPANY RAIL SECTIONS

SEC. NOS.		WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
OLD	NEW				
5616	5633	56	4 1/8	4 1/4	2 1/4
6001	6051	60	4 1/16	4 1/4	2 5/16
6007	6051	60	4 1/4	4 1/4	2 1/4
6008	6051	60	4 1/4	4 1/4	2 3/8
6009	6051	60	4 1/4	4 1/4	2 3/8
6012	6051	60	4 1/4	5 3/4	2
6013	6051	60	4 1/8	4 1/4	2 3/8
6014	6051	60	4 1/4	4 1/4	2 5/16
6015	6040	60 *	4 1/4	4 1/4	2 3/8
6017	6033	60	4 13/64	4 1/4	2 21/64
6020	6033	60 +	4	4 1/2	2 1/4
6030	6033	60 ¶	3 11/16	4 3/16	2 1/8
6101	6033	61	4 5/16	4 5/16	2 5/16
6301	6033	63	4 3/16	4 7/16	2 3/8
6501	6033	65	4 7/16	4 3/8	2 3/8
6503	6033	65	4 3/8	4 3/8	2 1/2
6504	6033	65	4 1/2	4 1/2	2 7/16
6506	6033	65	4 3/8	4 3/8	2 5/16
6507	6540	65 *	4 7/16	4 7/16	2 13/32
6508	6540	65	4 3/8	4 3/8	2 1/4
6601	6540	66	4 7/16	4 13/32	2 13/32
6602	6540	66	4 1/2	4 7/32	2 5/16
6603	6540	66	4 9/16	4 1/32	2 3/8
6701	6540	67	4 1/2	4 1/2	2 19/32
6702	6540	67	4 3/8	4 1/2	2 13/32
6703	6540	67	4 1/2	4 1/2	2 7/16
6704	6540	67	4 1/2	4 1/2	2 13/32
6705	6540	67	4 1/2	4 3/8	2 13/32
6706	6733	67	4 1/2	4 1/2	2 13/32
6801	6733	68	4 1/2	4 3/8	2 1/2
7002	6733	70	4	4 3/8	2 35/96
7003	6733	70	4 1/2	4 1/2	2 1/4
7005	6733	70	4 1/2	4 1/2	2 7/16
7006	6733	70	4 3/4	4 3/4	2 11/32
7007	6733	70	4 3/4	4 3/4	2 3/8

* INDICATES A.S.C.E. RAIL SEC'S, + INDICATES A.R.A. SERIES "A" RAIL SEC'S, ¶ INDICATES A.R.A. SERIES "B" RAIL SEC'S.

ILLINOIS STEEL COMPANY RAIL SECTIONS

SEC. NOS.		WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
OLD	NEW				
7008	7040	70	4 3/4	4 5/8	2 1/4
7009		70	4 1/2	4 5/8	2 1/2
7010		70*	4 5/8	4 5/8	2 7/16
7011		70	5 1/2	7	2 1/8
7013		70	4 5/8	4 5/8	2 7/16
7014		70	4 5/8	4 3/4	2 5/8
7020		70†	4 1/4	4 3/4	2 3/8
7030		70†	4 3/4	4 3/4	2 3/8
7101		71	4 9/16	4 9/16	2.4632
7102		71	5 1/2	4 1/4	2 1/32
7103	7250	71	4 3/4	4 3/4	2 7/16
7201		72	4 3/4	4 3/4	2 3/8
7202		72	4 3/4	4 3/4	2 1/2
7203		72	5	6	2 5/16
7204		72	4 1/2	4 13/16	2 1/4
7301		73	4 13/16	4 13/16	2 1/2
7502		75	4 3/4	4 3/4	2 1/2
7505		75	4 3/4	4 3/4	2 13/16
7506		75*	4 13/16	4 13/16	2 13/32
7507		75	4 3/4	5	2 7/16
7508	7540	75	5.57	7	2.195
7509		75	5	5	2 19/64
7512		75	4 3/4	4 3/4	2 9/16
7513		75	5	5	2 9/16
7514		75	4 3/4	4 3/4	2 9/16
7524		75	4 7/16	4 13/16	2 7/16
77501		77 1/2	5	5	2 3/8
7801		78	5	4 3/4	2 15/32
8001		80	5	5	2 1/2
8002		80	5	5	2 9/16
8003	8040	80	4 3/4	5	2 1/2
8004		80*	5	5	2 1/2
8005		80	5	5	2 5/8
8008		80	5	5 1/8	2 23/32
8009		80	5	5	2 13/32

ILLINOIS STEEL COMPANY RAIL SECTIONS

SEC. NOS.		WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
OLD	NEW				
8010	8533	80	5	5	2 9/16
8020		80†	4 5/8	5 1/8	2 1/2
8030		80†	4 7/16	4 15/16	2 7/16
8501		85	4 3/4	5 1/16	2 3/4
8502		85	5	5 3/16	2 9/16
8503		85	5	5	2 9/16
8504		85*	5 3/16	5 3/16	2 9/16
8506		85	5 3/16	5 3/16	2 23/32
8507		85	5 1/4	5 7/32	2 13/32
8509		85	5	5	2 23/32
8520	8553	85	4 7/8	5 3/8	2 1/2
8521		85	4 7/8	5 3/8	2 17/32
8524		85	5	5 1/8	2 1/2
8530		85	4 5/8	5 1/8	2 1/2
9001		90	5	5	2 7/8
9002		90*	5 3/8	5 3/8	2 5/8
9003		90	5 3/8	5 3/4	2 3/4
9010		90	5	5 3/8	2 5/8
9020		90†	5 1/8	5 5/8	2 9/16
9021		90	5 3/16	5 5/8	2 9/16
9030	9540	90†	4 9/16	5 13/16	2 9/16
9501		95*	5 9/16	5 9/16	2 11/16
10001		100*	5 3/4	5 3/4	2 3/4
10002		100	5 1/2	5 1/2	2 13/16
10003		100	5 1/2	6	3
10004		100	5 1/2	6	2 3/4
10005		100	5 3/4	5 3/4	2 7/8
10020		100†	5 1/2	6	2 3/4
10030		100†	5 3/4	5 41/64	2 23/32
10031		100	5	5 11/16	2 43/64
10035	11040	100	5 9/16	5 45/64	2 9/16
10133		101	5 3/8	5 7/16	2 3/4
11001		110*	6 1/8	6 1/8	2 7/8
7503		75	4 3/4	4 3/4	2 1/2

* INDICATES A.S.C.E. RAIL SEC'S, † INDICATES A.R.A. SERIES "A" RAIL SEC'S, ‡ INDICATES A.R.A. SERIES "B" RAIL SEC'S.

CARNEGIE STEEL COMPANY RAIL SECTIONS

SEC. OLD	NOS. NEW	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
8A	840	8	1 9/16	1 9/16	1 3/16
10A	1040	10	1 3/4	1 3/4	1 5/16
12A	1240	12	2	2	1
14A	1440	14	2 1/16	2 1/16	1 1/16
16A	1640	16	2 3/8	2 3/8	1 1/16
20A	2040	20	2 5/8	2 5/8	1 1/32
25A	2540	25	2 3/4	2 3/4	1 1/2
30A	3040	30	3 1/8	3 1/8	1 1/16
35A	3540	35	3 5/16	3 5/16	1 3/4
40A	4040	40 *	3 1/2	3 1/2	1 7/8
45A	4540	45 *	3 1/16	3 1/16	2
50A	5040	50 *	3 7/8	3 7/8	2 1/8
55A	5540	55 *	4 1/16	4 1/16	2 1/4
56A	5640	56	4 5/16	4 1/16	2 1/16
56H	5633	56	4 1/8	4 1/4	2 1/4
56J		56	4 1/32	4 1/4	2 9/32
56P		56	3 5/16	4	2 19/32
58H		58	4 5/32	4 1/4	2 9/32
58P		58	4	4	2 11/32
60A	6040	60 *	4 1/4	4 1/4	2 3/8
60H	6033	60	4 13/16	4 1/4	2 21/32
60K		60	4 1/4	4 1/4	2 5/16
60M		60	4 1/8	4 1/4	2 3/8
60Q		60	4 1/4	4 5/16	2 13/32
60P		60	4 1/32	4	2 3/8
60R		60	4 1/4	4 1/4	2 1/4
60Rb	6020	60 †	4	4 1/2	2 1/4
60Rb	6030	60 †	3 1/16	4 3/16	2 1/8
61 1/2 N		61 1/2	4 1/4	4 1/4	2 5/16
63H		63	4 1/4	4 1/4	2 3/8
63J		63	4 3/16	4 7/16	2 3/8
65A	6540	65 *	4 7/16	4 7/16	2 13/32
65G		65	4 1/2	4 1/2	2 7/16
66B		66	4 1/2	4 13/32	2 5/16
66K		66	4 9/16	4 11/32	2 3/8

CARNEGIE STEEL COMPANY RAIL SECTIONS

SEC. OLD	NOS. NEW	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
67F		67	4 3/8	4 1/2	2 13/32
67H	6733	67	4 1/2	4 1/2	2 13/32
67L		67	4 7/16	4 13/16	2 3/8
68Q		68	4 1/2	4 1/2	2 29/64
68 1/2 P		68 1/2	4 3/8	4 1/2	2 11/32
70A	7040	70 *	4 5/8	4 5/8	2 7/16
70B		70	4 1/2	4 1/2	2 15/32
70D		70	4 1/2	4 5/8	2 1/2
70H	7033	70	4 1/2	4 1/2	2 7/16
70Rb	7020	70 †	4 1/4	4 3/4	2 3/8
70Rb	7030	70 †	4 3/16	4 3/16	2 3/8
71G		71	4 3/4	4 3/4	2 7/16
72K		72	4 3/4	4 3/4	2 1/2
72N	7250	72	4 3/4	4 3/4	2 3/8
75A	7540	75 *	4 13/16	4 13/16	2 15/32
75B	7523	75	5	5	2 9/16
75C		75	4 3/4	4 3/4	2 9/16
75D	7550	75	4 3/4	4 3/4	2 9/16
75E		75	4 5/8	4 5/8	2 39/64
75K	7522	75	5	5	2 9/16
76L		76	5	4 3/4	2 1/2
76M		76	5	4 3/4	2 23/32
77 1/2 M		77 1/2	5	5	2 3/8
78N		78	5	4 3/4	2 15/32
80A	8040	80 *	5	5	2 1/2
80B		80	5	5	2 1/2
80C		80	5	5	2 5/8
80F		80	5	5	2 1/2
80K	8022	80	5	5 1/8	2 21/32
80M		80	5	5	2 13/32
80Rb	8020	80 †	4 5/8	5 1/8	2 1/2
80Rb	8030	80 †	4 7/16	4 15/16	2 7/16
85A	8540	85 *	5 3/16	5 3/16	2 9/16
85D	8550	85	5 1/4	5 7/32	2 15/32
85H	8533	85	5	5	2 9/16

* INDICATES A.S.C.E. RAIL SEC'S, † INDICATES A.R.A. SERIES "A" RAIL SEC'S, ‡ INDICATES A.R.A. SERIES "B" RAIL SEC'S.

CARNEGIE STEEL COMPANY RAIL SECTIONS

SEC. NOS. OLD	NEW	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
85M	8553	85	5	5	2 ²¹ / ₃₂
85N		85	5 ³ / ₁₆	5 ³ / ₁₆	2 ²¹ / ₃₂
85ps	8531	85	4 ⁵ / ₈	5 ¹ / ₈	2 ¹ / ₂
85R	8520	85	4 ⁷ / ₈	5 ³ / ₈	2 ¹ / ₂
90A	9040	90*	5 ³ / ₈	5 ³ / ₈	2 ⁵ / ₈
90G	9034	90	5	5 ³ / ₈	2 ⁵ / ₈
90Ta	9020	90†	5 ¹ / ₈	5 ³ / ₈	2 ⁹ / ₁₆
90rb	9030	90¶	4 ⁴⁹ / ₆₄	5 ¹⁷ / ₆₄	2 ⁹ / ₁₆
90S	9023	90	5 ³ / ₈	5 ³ / ₄	2 ³ / ₄
90X	9021	90	5 ³ / ₁₆	5 ⁵ / ₈	2 ⁹ / ₁₆
95A	9540	95*	5 ⁹ / ₁₆	5 ⁹ / ₁₆	2 ¹ / ₁₆
100A	10040	100*	5 ³ / ₄	5 ³ / ₄	2 ³ / ₄
100H		100	5 ¹ / ₂	5 ¹ / ₂	2 ¹³ / ₁₆
100K	10022	100	5 ¹ / ₂	6	3
100N	10034	100	5 ¹ / ₂	6	2 ³ / ₄
100pr	10032	100	5 ³ / ₈	5 ⁵ / ₈	2 ²¹ / ₃₂
100ps	10031	100	5	5 ¹ / ₁₆	2 ⁴³ / ₆₄
100Ta	10020	100†	5 ¹ / ₂	6	2 ³ / ₄
100rb	10030	100¶	5 ⁹ / ₆₄	5 ⁴ / ₆₄	2 ²¹ / ₃₂
110A		110*	6 ¹ / ₈	6 ¹ / ₈	2 ⁷ / ₈

TENNESSEE COAL & IRON COMPANY RAIL SECTIONS

SEC. NOS. OLD	NEW	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
80	841	8	1 ⁹ / ₁₆	1 ⁹ / ₁₆	1 ³ / ₁₆
120	1240	12	2	2	1
160	1640	16	2 ³ / ₈	2 ³ / ₈	1 ¹ / ₆₄
200	2040	20	2 ⁵ / ₈	2 ⁵ / ₈	1 ¹ / ₃₂
250	2540	25	2 ³ / ₄	2 ³ / ₄	1 ¹ / ₂
300	3040	30	3 ¹ / ₈	3 ¹ / ₈	1 ¹ / ₁₆
500	5040	50*	3 ⁷ / ₈	3 ⁷ / ₈	2 ¹ / ₈
501		50.4	3.75	4.076	2.26
502		50	3 ¹⁵ / ₁₆	3 ¹⁵ / ₁₆	2 ¹ / ₁₆
600	6040	60*	4 ¹ / ₄	4 ¹ / ₄	2 ³ / ₈
650	6540	65*	4 ⁷ / ₁₆	4 ⁷ / ₁₆	2 ¹³ / ₃₂
700	7040	70*	4 ⁵ / ₈	4 ⁵ / ₈	2 ⁷ / ₁₆
702		70¶	4 ³ / ₆₄	4 ³⁵ / ₆₄	2 ³ / ₈
750	7540	75*	4 ¹³ / ₁₆	4 ¹³ / ₁₆	2 ¹⁵ / ₃₂
752	7523	75	5	5	2 ⁹ / ₁₆
753		75	5	4 ³ / ₄	2 ¹ / ₂
754		75	4 ¹ / ₂	4 ⁵ / ₆₄	2 ¹ / ₂
755		75	4 ⁷ / ₁₆	4 ¹⁵ / ₁₆	2 ⁷ / ₁₆
800	8040	80*	5	5	2 ¹ / ₂
850	8540	85*	5 ³ / ₁₆	5 ³ / ₁₆	2 ⁹ / ₁₆
854		85	5	5 ¹ / ₄	2 ¹ / ₁₆
855		85	5 ¹ / ₄	5 ⁷ / ₃₂	2 ¹⁵ / ₃₂
900	9040	90*	5 ³ / ₈	5 ³ / ₈	2 ⁵ / ₈
901	9023	90	5 ³ / ₈	5 ³ / ₄	2 ³ / ₄
902	9020	90†	5 ¹ / ₈	5 ⁵ / ₈	2 ⁹ / ₁₆
903	9030	90¶	4 ⁴⁹ / ₆₄	5 ¹⁷ / ₆₄	2 ⁹ / ₁₆
904		90	5 ³ / ₁₆	5 ⁵ / ₈	2 ⁹ / ₁₆
1500		150	6	6	4 ¹ / ₄

* INDICATES A.S.C.E. RAIL SEC'S, † INDICATES A.R.A. SERIES "A" RAIL SEC'S, ¶ INDICATES A.R.A. SERIES "B" RAIL SEC'S.

PENNSYLVANIA STEEL COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD
66	12	2	2	1 1/16
16A	16	2 1/4	2 1/4	1 1/4
48	16	2 11/32	2 11/32	1 7/32
20A	20	2 1/2	2 1/2	1 3/8
47	20	2 1/2	2 1/2	1 7/16
264	25	2 3/4	2 3/4	1 1/2
45	25	2 23/32	2 3/4	1 9/16
44	30	3 5/16	3	1 45/64
269	30	3	3	1 5/8
43	35	3 3/8	3 1/16	1 7/8
265	35	3 1/4	3 1/4	1 3/4
32	40	3 1/2	3 1/2	1 29/32
138	40 *	3 1/2	3 1/2	1 7/8
167	42	3 1/4	3 11/16	1 7/8
239	45	3 1/2	3 3/4	2
36	45	3 5/8	3 5/8	1 15/16
168	45	3 4/10	3 3/4	1 9/10
266	45 *	3 11/16	3 11/16	2
88	48	4	4	1 29/32
22	50	4	4	2 3/32
105	50	4	4 1/8	2 1/16
25	50	4	3 3/4	2 3/32
129	50 *	3 7/8	3 7/8	2 1/8
130	55 *	4 1/16	4 1/16	2 1/4
30	56	4	4	2 3/16
51	56	4 1/32	4 1/4	2 9/32
164	56	4 1/8	4 5/32	2 5/32
7	58	4 1/4	4 1/4	2 3/16
63	58 1/4	4	4	2 11/32
6	60	4 1/4	4 1/4	2 3/8
244	60 *	4 1/4	4 1/4	2 3/8
71	60 1/2	4 1/4	4 5/16	2 3/8
166	61	4 1/4	4 1/2	2 5/16
236	65 *	4 7/16	4 7/16	2 13/32
117	65	4 17/32	5	2 3/8

PENNSYLVANIA STEEL COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
145	66	4 1/2	4 17/32	2 5/16
112	66	4 1/2	4 3/8	2 1/2
2	67	4 1/2	4 1/2	2 3/8
62	68	4 1/2	4 1/2	2 15/32
68	68 1/2	4 3/8	4 1/2	2 11/32
113	70	4 1/4	4 15/16	2 3/8
57	70	4 1/2	4 1/2	2 7/16
46	70	4 1/2	4 1/2	2 13/32
97	70	4 3/4	4 3/4	2 7/16
237	70 *	4 5/8	4 3/8	2 7/16
146	74	4 3/4	4 1/16	2 7/16
87	75	4 3/4	4 3/4	2 1/2
289	75	4 3/4	4 3/4	2 9/16
128	75	5	5	2 3/4
92	75	5	5	2 1/2
249	75	5	5	2 9/16
221	75	5	5	2 5/8
214	75 *	4 13/16	4 13/16	2 15/32
248	75	4 3/4	4 3/4	2 9/16
216	76	5	4 3/4	2 1/2
98	78	5	4 3/4	2 15/32
76	79	4 3/4	4 3/4	2 5/8
220	80	5	5 1/8	2 23/32
171	80 ¶	4 7/16	4 15/16	2 7/16
114	80	5	4 15/16	2 1/2
78	80	5	5	2 5/8
169	80 †	4 5/8	5 1/8	2 1/2
251	80 *	5	5	2 1/2
119	83 1/2	5	5	2 5/8
67	85	5	5	2 9/16
156	85	4 1/2	5 1/4	2 1/2
261	85	5	5 1/4	2 11/16
172	85	4 7/8	5 3/8	2 17/32
67A	85	4 5/8	5 1/8	2 1/2
235	85 *	5 3/16	5 3/16	2 9/16

*INDICATES A.S.C.E. RAIL SEC'S, †INDICATES A.R.A. SERIES 'A' RAIL SEC'S, ¶ INDICATES A.R.A. SERIES 'B' RAIL SEC.

PENNSYLVANIA STEEL COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
111	85	4 1/2	5 3/16	2 45/64
77	90	5	5	2 7/8
160	90	5	5 3/8	2 5/8
173	90	5 3/16	5 3/8	2 9/16
162	90 ¶	4 49/64	5 17/64	2 9/16
170	90 †	5 1/8	5 5/8	2 9/16
245	90 *	5 3/8	5 3/8	2 5/8
147	95	5 1/2	5 1/32	3
96	100	5 1/2	5 1/2	2 13/16
100	100	5 1/2	6	2 3/4
96A	100	5	5 1/16	2 43/64
165	100	5 3/8	5 5/8	2 2/32
116	100	5 3/4	6	3
163	100 †	5 1/2	6	2 3/4
247	100 *	5 3/4	5 3/4	2 3/4
161	100 ¶	5 9/64	5 4/64	2 2/32
299	101	5 3/8	5 1/16	2 3/4
290	135	6	6 1/2	3 5/32

BETHLEHEM STEEL COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
65A	65 *	4 7/16	4 7/16	2 13/32
70A	70 *	4 5/8	4 5/8	2 7/16
75C	75	5	4 11/16	2 1/2
75B	75	5	5	2 9/16
75A	75 *	4 13/16	4 13/16	2 15/32
75D	75	5	5	2 9/16
80A	80 *	5	5	2 1/2
85E	85	5	5 1/4	2 11/16
85D	85	4 5/8	5 1/8	2 1/2
85C	85	5.18	5.18	2.635
85B	85 †	4 7/8	5 3/8	2 1/2
85A	85 *	5 3/16	5 3/16	2 9/16
90E	90	5	5	2 7/8
90D	90 †	5 1/8	5 5/8	2 9/16
90C	90 ¶	4 49/64	5 17/64	2 9/16
90B	90	5	5 3/8	2 5/8
90A	90 *	5 3/8	5 3/8	2 5/8
95A	95 *	5 9/16	5 9/16	2 11/16
100G	100 ¶	5 9/64	5 4/64	2 9/16
100F	100 †	5 1/2	6	2 2/32
100E	100	5 3/4	5 3/4	2 7/8
100D	100	5	5 11/16	2 1/2
100C	100	5 1/2	6	2 3/4
100B	100	5 1/2	6	2 3/4
100A	100 *	5 3/4	5 3/4	2 3/4
101H	101	5 3/8	5 7/16	2 3/4
105B	105	5 1/2	6	3
110B	110	5 1/2	6	2 7/8

* INDICATES A.S.C.E. RAIL SEC'S, † INDICATES A.R.A. SERIES "A" RAIL SEC'S, ¶ INDICATES A.R.A. SERIES "B" RAIL SEC'S.

LACKAWANNA STEEL COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
120	12	2	2	1
140	14	2 1/16	2 1/16	1 1/16
160	16	2 3/8	2 3/8	1 1/16
200	20	2 5/8	2 5/8	1 1/32
250	25	2 3/4	2 3/4	1 1/2
300	30	3 1/8	3 1/8	1 1/16
350	35	3 9/16	3 5/16	1 3/4
400	40	3 1/2	3 1/2	1 7/8
450	45	3 1/16	3 1/16	2
500	50 *	3 7/8	3 7/8	2 1/8
550	55 *	4 1/16	4 1/16	2 1/4
550X	55	4 1/16	4 1/16	2 35/128
600	60 *	4 1/4	4 1/4	2 3/8
600X	60	4 5/32	4 1/4	2 9/32
650	65 *	4 7/16	4 7/16	2 13/32
653	65	4 7/16	4 7/16	2 5/16
654	65	4 3/8	4 3/8	2 1/4
700	70 *	4 5/8	4 5/8	2 7/16
701	70	4 5/8	4 3/4	2 5/8
721	72	4 3/4	4 3/4	2 3/8
722	72	4 5/8	4 5/16	2 7/16
741	74	4 3/4	4 1/16	2 7/16
750	75 *	4 13/16	4 13/16	2 13/32
752	75	5	5	2 1/2
753	75	5	4 1/16	2 1/2
754	75	4 3/4	4 3/4	2 9/16
775	77.5	5	5	2 3/8
781	78	5	4 3/4	2 13/32
798	79	5 1/2	8	2 1/4
800	80	5	5	2 1/2
801	80 *	5	5 1/8	2 21/32
802	80	5	5	2 13/32
8031	80 †	4 5/8	5 1/8	2 1/2
8032	80 †	4 7/16	4 15/16	2 7/16
804	80	5	5	2 9/16

LACKAWANNA STEEL COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
817	81	6	7	2 1/2
850	85 *	5 3/16	5 3/16	2 9/16
851	85	5	5 1/4	2 1/16
852	85	5	5	2 9/16
853	85	5 1/4	5 7/32	2 15/32
8530	85	4 5/8	5 1/8	2 1/2
8531	85	4 7/8	5 3/8	2 17/32
855	85	5 3/16	5 3/16	2 21/32
900	90 *	5 3/8	5 3/8	2 5/8
901	90	5	5 1/2	2 21/32
902	90	5	5	2 7/8
903	90	5 3/8	5 1/2	2 13/16
9030	90	5	5 3/8	2 5/8
9031	90 †	5 1/8	5 5/8	2 9/16
9032	90 †	4 49/64	5 1/16	2 9/16
9033	90	5 3/16	5 5/8	2 9/16
911	91	5 3/8	5 1/4	2 5/8
951	95.4	5 1/2	5 1/32	3
957	95	6	7	3
1000	100 *	5 3/4	5 3/4	2 3/4
1001	100	5 1/2	6	3
1002	100	5 1/2	6	2 3/4
1003	100	5 1/2	5 1/2	2 13/16
1030	100	5	5 1/16	2 43/64
1031	100 †	5 1/2	6	2 3/4
1005	100	5 3/4	5 3/4	2 7/8
10130	101	5 3/8	5 7/16	2 3/4
1051	105	5 1/2	6	3

* INDICATES A.S.C.E. RAIL SECS, † INDICATES A.R.A. SERIES "A" RAIL SECS, ‡ INDICATES A.R.A. SERIES "B" RAIL SECS.

CAMBRIA STEEL COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
580	12	2	2	1
579	16	2 3/8	2 3/8	1 11/64
578	20	2 5/8	2 5/8	1 11/32
577	25	2 3/4	2 3/4	1 1/2
576	30	3 1/8	3 1/8	1 11/16
505	30	3 5/16	3	1 11/16
507	35	3 3/8	3 1/16	1 27/32
575	35	3 5/16	3 5/16	1 3/4
508	40	3 1/2	3 1/2	1 27/32
545	40 *	3 1/2	3 1/2	1 7/8
501	45	3 3/4	3 3/4	1 59/64
549	45 *	3 11/16	3 11/16	2
502	48 and 50	3 61/64	4	2 3/64
542	50 *	3 7/8	3 7/8	2 1/8
537	55 *	4 1/16	4 1/16	2 1/4
511	56 and 58	3 53/64	4	2 19/64
512	56	4 13/64	4 1/4	2 9/64
503	56 and 60	4 1/8	4 1/4	2 1/4
514	60	3 7/8	4	2 13/32
509	60	4 1/16	4 1/4	2 51/16
527	60	4 1/4	4 1/4	2 51/16
571	60 ¶	3 11/16	4 3/16	2 1/8
568	60 †	4	4 1/2	2 1/4
533	60 *	4 1/4	4 1/4	2 3/8
518	65	4 3/16	4 13/32	2 1/4
534	65 *	4 7/16	4 7/16	2 13/32
515	67	4 29/64	4 1/2	2 23/64
547	66	4 1/2	4 13/32	2 51/16
516	68	4 1/2	4 1/2	2 29/64
532	70 *	4 5/8	4 5/8	2 7/16
504	70 and 72	4 1/2	4 1/2	2 7/16
570	70 ¶	4 3/64	4 35/64	2 3/8
567	70 †	4 1/4	4 3/4	2 3/8
528	75	4 3/4	4 3/4	2 9/16
529	75 *	4 13/16	4 13/16	2 15/32

CAMBRIA STEEL COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
530	80 *	5	5	2 1/2
540	80	4 59/64	5	2 31/64
543	80	5	5 1/8	2 21/32
569	80 ¶	4 7/16	4 15/16	2 7/16
566	80 †	4 5/8	5 1/8	2 1/2
506	85	5	5	2 11/16
500	85	5	5	2 9/16
531	85 *	5 3/16	5 3/16	2 9/16
559	85	4 5/8	5 1/8	2 1/2
561	90 ¶	4 43/64	5 17/64	2 9/16
563	90 †	5 1/8	5 5/8	2 9/16
535	90 *	5 3/8	5 3/8	2 5/8
550	95 *	5 9/16	5 9/16	2 11/16
558	100	5	5 11/16	2 43/64
520	100	5 1/2	5 1/2	2 13/16
564	100 ¶	5 9/64	5 41/64	2 21/32
565	100 †	5 1/2	6	2 3/4
536	100 *	5 3/4	5 3/4	2 3/4
572	110	5 1/2	6	2 13/16
573	120	5 3/4	6 1/4	2 7/8
574	130	6	6 1/2	2 15/16

* INDICATES A.S.C.E. RAIL SEC'S, † INDICATES A.R.A. SERIES "A" RAIL SEC'S, ¶ INDICATES A.R.A. SERIES "B" RAIL SEC'S.

COLORADO FUEL & IRON COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
500	50 *	3 ⁷ / ₈	3 ⁷ / ₈	2 ¹ / ₈
550	55 *	4 ¹ / ₁₆	4 ¹ / ₁₆	2 ¹ / ₄
603	60 *	4 ¹ / ₄	4 ¹ / ₄	2 ³ / ₈
653	65 *	4 ⁷ / ₁₆	4 ⁷ / ₁₆	2 ¹³ / ₃₂
701	70 *	4 ⁵ / ₈	4 ⁵ / ₈	2 ⁷ / ₁₆
753	75 *	4 ¹³ / ₁₆	4 ¹³ / ₁₆	2 ¹⁵ / ₃₂
754	75	5	5	2 ⁹ / ₁₆
756	75	4 ³ / ₄	4 ³ / ₄	2 ⁹ / ₁₆
757	75	4 ⁷ / ₁₆	4 ⁵ / ₁₆	2 ⁷ / ₁₆
800	80 *	5	5	2 ¹ / ₂
801	80 †	4 ⁵ / ₈	5 ¹ / ₈	2 ¹ / ₂
850	85	5 ¹ / ₄	5 ¹ / ₄	2 ¹ / ₂
851	85 *	5 ³ / ₁₆	5 ³ / ₁₆	2 ⁹ / ₁₆
852	85	5 ³ / ₁₆	5 ³ / ₁₆	2 ²¹ / ₃₂
853	85	4 ⁷ / ₈	5 ³ / ₈	2 ¹ / ₂
900	90 *	5 ³ / ₈	5 ³ / ₈	2 ⁵ / ₈
902	90 †	5 ¹ / ₈	5 ⁵ / ₈	2 ⁹ / ₁₆
903	90	5 ³ / ₁₆	5 ⁵ / ₈	2 ⁹ / ₁₆
904	90	5	5 ³ / ₈	2 ³ / ₈
905	90 †	4 ⁷ / ₁₆	5 ¹ / ₁₆	2 ⁹ / ₁₆
950	95 *	5 ³ / ₁₆	5 ³ / ₁₆	2 ¹ / ₁₆
1000	100 *	5 ³ / ₄	5 ³ / ₄	2 ³ / ₄
1002	100 †	5 ⁹ / ₁₆	5 ⁴ / ₁₆	2 ²¹ / ₃₂
1100	110 *	6 ¹ / ₈	6 ¹ / ₈	2 ⁷ / ₈

DOMINION IRON & STEEL COMPANY RAIL SECTIONS

SEC. NO.	WT. RAIL	BASE INCHES	HEIGHT INCHES	TREAD INCHES
6001	60	4 ¹ / ₄	4 ¹ / ₄	2 ³ / ₈
6501	65	4 ³ / ₈	4 ¹ / ₂	2 ³ / ₁₆
7001	70	4 ⁵ / ₈	4 ⁵ / ₈	2 ¹ / ₁₆
7501	75	4 ¹³ / ₁₆	4 ¹³ / ₁₆	2 ⁷ / ₁₆
8001	80	5	5	2 ¹ / ₂
8002	80	5	5 ¹ / ₁₆	2 ¹ / ₂
8003	80	5	5	2 ¹ / ₂
8501	85	5	5 ¹ / ₈	2 ¹ / ₁₆
10001	100	5 ³ / ₄	5 ³ / ₄	2 ³ / ₄

*INDICATES ASCE RAIL SECT. †INDICATES A.R.A. SERIES "A" RAIL SECT. ‡INDICATES A.R.A. SERIES "B" RAIL SECT.

