

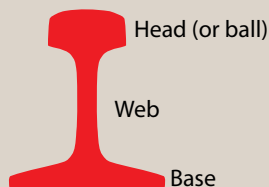
Rail Dimensions

- HT Height
- BW Width of Base
- HW Width of Head
- W Web (at center point)
- HD Depth of Head
- FD Fishing
- BD Depth of Base
- E Bolt Hole Elevation



Identifying Rail

Many sizes of rail have been produced in the last 100 years. It is important to identify the specific pound weight per yard and rail section designation (section is the shape of the rail when viewed on its end). Stamped at intervals on the web of the rail are letters and numbers which identify the weight per yard and rail section. Consult the chart here for an exact rail size designation.



Rails designated by ASCE (especially 12 lb. to 85 lb.) are likely to be used as crane rail. The heavier rails shown are for railroad use.

Data provided courtesy of L.B. Foster Company.

Nominal Weight Per Yard	Type of Rail	DIMENSIONS IN INCHES									SECTION DESIGNATION		
		HT	BW	HW	W	HD	FD	BD	E				
12 lb.	ASCE	2	2	1	3/16	9/16	1 3/32	1 1/32	5/64				
16 lb.	ASCE	2 3/8	2 3/8	1 1/64	7/32	4 1/64	1 23/64	3/8	1 1/16				
20 lb.	ASCE	2 3/8	2 3/8	1 1/32	1/4	23/32	1 15/32	7/16	1 1/64				
25 lb.	ASCE	2 3/4	2 3/4	1 1/2	19/64	25/32	1 31/64	3 1/64	1 15/64				
30 lb.	ASCE	3 1/8	3 1/8	1 1/16	2 1/64	7/8	1 23/32	1 1/32	1 25/64				
35 lb.	ASCE	3 1/16	3 1/16	1 3/4	23/64	6 1/64	1 25/32	3 7/64	1 15/32				
40 lb.	ASCE	3 1/2	3 1/2	1 7/8	25/64	1 1/64	1 55/64	3/8	1 9/16				
45 lb.	ASCE	3 11/16	3 11/16	2	27/64	1 1/16	1 31/32	2 1/32	1 4 1/64				
50 lb.	ASCE	3 3/8	3 3/8	2 1/8	7/16	1 1/8	2 1/16	1 1/16	1 23/32				
55 lb.	ASCE	4 1/16	4 1/16	2 1/4	15/32	1 1 1/64	2 11/64	2 3/32	1 103/128				
60 lb.	ASCE	4 1/4	4 1/4	2 3/8	3 1/64	1 7/32	2 17/64	4 9/64	1 115/128	6040	60 AS	603	
	MISC.	4 1/4	4 1/16	2 5/16	1/2	1 7/16	2 1/8	1 1/16	1 3/4	6051			
65 lb.	ASCE	4 7/16	4 7/16	2 13/32	1/2	1 9/32	2 3/8	2 5/32	1 31/32	6540	65 AS	653	
70 lb.	ASCE	4 3/8	4 3/8	2 7/16	33/64	1 1 1/32	2 15/32	13/16	2 3/64	7040	70 AS	701	
75 lb.	ASCE	4 13/16	4 13/16	2 15/32	17/32	1 27/64	2 35/64	2 7/32	2 15/128	7540	75 AS	753	
	MO. PAC.	4 3/4	4 3/4	2 9/16	9/16	1 1/16	2 15/32	2 1/32	2 5/64	7550	75 MP		
	S. PAC.	4 13/16	4 1/16	2 1/16	33/64	1 3/8	2 3/8	1 5/16	2 1/4	7524	75 SP	757	
80 lb.	ASCE	5	5	2 1/2	35/64	1 1/2	2 5/8	3/8	2 3/16	8040	80 AS	800	
	DUDLEY	5 1/8	5	2 21/32	17/32	1 1/2	2 3/4	7/8	2 1/4	8022	80 DY		
85 lb.	ASCE	5 1/16	5 1/16	2 9/16	9/16	1 35/64	2 3/4	5 7/64	2 17/64	8540	85 AS	851	
	CAN. PAC.	5 1/8	5	2 1/2	9/16	1 17/16	2 11/16	1	2 11/32	8524	85 CP		
	CB&Q	5 1/16	5 3/16	2 21/32	9/16	1 35/64	2 3/4	5 7/64	2 17/64	8543	85 CB	852	
	MO. PAC.	5 1/32	5 1/4	2 15/32	15/128	1 3/4	2 39/64	5 5/64	2 21/128	8550			
	PS	5 3/8	4 3/8	2 17/32	17/32	1 21/32	2 15/32	1	2 15/64	8531	85 PS		
	PRR	5	5	2 9/16	17/32	1 3/4	2 3/8	7/8	2 1/16	8533	85 PR		
	SOO LINE	5 3/8	4 7/8	2 1/2	9/16	1 15/32	2 29/32	1	2 25/64	8520			
90 lb.	ASCE	5 3/8	5 3/8	2 5/8	9/16	1 19/32	2 55/64	5 9/64	2 45/128	9040	90 AS		
	ARA-A	5 5/8	5 1/8	2 9/16	9/16	1 15/32	3 5/32	1	2 37/64	9020	90 RA	902	
	ARA-B	5 1 1/64	4 49/64	2 9/16	9/16	1 39/64	2 5/8	1 1/32	2 11/32	9030	90 RB	905	
	AT&SF	5 5/8	5 3/16	2 9/16	9/16	1 15/32	3 5/32	1	2 37/64	9021	90 SF	903	
	C&NW	5 17/32	5 3/32	2 1/2	1/2	1 17/32	2 31/32	1 1/32	2 23/64	9035	90 OM		
	D&RG	5 1/2	5 1/8	2 9/16	9/16	1 9/8	2 7/8	1	2 5/8			906	
	GRT. NO.	5 3/8	5	2 5/8	9/16	1 15/32	2 7/8	1 1/32	2 15/32	9024			
	INTRBGH	5	5	2 7/8	11/16	1 25/32	2 11/32	7/8	2 3/64	9050	90 RT		
	U. PAC.	5 3/4	5 3/8	2 3/4	17/32	1 1/2	3 3/8	7/8	2 9/16	9023		901	
	DUDLEY	5 1/2	5	2 21/32	9/16	1 1/2	3 1/32	3 1/32	2 3/8		90 DY		
100 lb.	ASCE	5 3/4	5 3/4	2 3/4	9/16	1 45/64	3 5/64	3 1/32	2 65/128	10040	100 AS		
	PS	5 11/16	5	2 43/64	9/16	1 13/16	2 29/32	1 3/32	2 31/64	10031	100 PS		
	PRR	5 1/2	5 1/2	2 13/16	5/8	1 7/8	2 11/16	1 5/16	2 9/32	10033	100 PR		
	ARA-A	6	5 1/2	2 3/4	9/16	1 9/16	3 3/8	1 1/16	2 3/4	10020	100 RA	1003	
	ARA-B	5 4 1/64	5 5/64	2 21/32	9/16	1 45/64	2 55/64	1 5/64	2 65/128	10030	100 RB	1002	
	AREA	5 5/8	5 3/8	2 11/16	9/16	1 21/32	3 3/32	1 1/16	2 45/64	10025	100 RE	10025	
	C&NW	5 4 1/64	5 5/64	2 9/16	9/16	1 39/64	2 6 1/64	1 5/64	2 79/128	10035	100-DM		
	GRT. NO.	5 3/4	5	2 3/4	9/16	1 9/8	3	1 1/8	2 5/8	10036	100 GN		
	INTRBGH	5 3/4	5 3/4	2 7/8	9/16	1 45/64	3 5/64	3 1/32	2 65/128	10005	100 RT		
	NY,NH&H	6	5 1/2	2 3/4	19/32	1 23/32	3 11/32	1 5/16	2 39/64	10034	100 NH		
	READING	5 5/8	5 3/8	2 21/32	9/16	1 45/64	2 55/64	1 1/16	2 63/128	10032	100 RG		
101 lb.	DL&W	5 7/16	5 3/8	2 3/4	5/8	1 23/32	2 11/16	1 1/32	2 2 1/8	10133	101 DL		
105 lb.	DL&W	6	5 3/8	2 3/4	5/8	1 23/32	3 1/4	1 1/32	2 2 1/32	10533	105 DL		
	DUDLEY	6	5 1/2	3	5/8	1 3/8	3 13/32	3 1/32	2 4 3/64	10524	105 DY		
110 lb.	AREA	6 1/4	5 1/2	2 25/32	19/32	1 23/32	3 13/32	1 1/8	2 25/64	11025	110 RE	1100	
	GR. NO.	6 1/2	5 1/2	2 3/4	19/32	1 3/8	3 3/4	1 1/8	3	11036	110 GN		
	LE. VAL.	6	5 1/2	2 7/8	19/32	1 7/8	3 1/16	1 1/16	2 1 9/32	11033	110 LV		
112 lb.	AREA	6 5/8	5 1/2	2 23/32	19/32	1 11/16	3 13/16	1 1/8	2 7/8	11228	112 RE	1121	
	TR.	6 3/4	5 1/2	2 1/2	5/8	1 3/4	3 3/8	1 1/8	3 3/8	11229		1122	
113 lb.	SO. PAC.	6 13/16	5 1/2	2 11/16	19/32	1 7/8	3 13/16	1 1/8	3 3/4			1130	
115 lb.	AREA	6 5/8	5 1/2	2 23/32	5/8	1 11/16	3 13/16	1 1/8	2 7/8	11525	115 RE	1150	
	DUDLEY	6 1/2	5 1/2	3	5/8	1 11/16	3 3/4	1 1/16	3 3/8	11522	115 DY		
119 lb.	AREA	6 13/16	5 1/2	2 21/32	5/8	1 7/8	3 13/16	1 1/8	2 7/8	11937	119 RE	1190	
127 lb.	DUDLEY	7	6 1/4	3	2 1/32	1 11/16	4 5/32	1 5/32	3 3/8	12723	127 DY		
130 lb.	PS	6 5/8	5 1/2	3	1 1/16	2	3 13/32	1 7/32	2 3/4	13031	130 PS		
	AREA	6 3/4	6	2 15/16	2 1/32	1 27/32	3 1 1/16	1 7/32	3 1/16	13025	130 RE	1300	
131 lb.	AREA	7 1/8	6	3	2 1/32	1 3/4	4 3/16	1 3/16	3 1/4	13128	131 RE	1311	
132 lb.	AREA	7 1/8	6	3	2 1/32	1 3/4	4 3/16	1 3/16	3 3/32	13228	132 RE	1321	
133 lb.	AREA	7 1/16	6	3	1 1/16	1 15/16	3 15/16	1 3/16	3	13331		1330	
136 lb.	LE. VAL.	7	6 1/2	2 15/16	2 1/32	1 7/8	3 7/8	1 1/4	3 3/16	13633	136 LV		
	AREA	7 5/16	6	2 15/16	1 1/16	1 15/16	4 3/16	1 3/16	3 3/32	13622	136 RE	13637	
140 lb.	AREA	7 5/16	6	3	3/4	2 1/16	4 1/16	1 3/16	3		140 RE		
	PS	7 5/16	6	3	3/4	2 1/16	4 1/16	1 3/16	3	14031	140 PS		
141 lb.	PS	7 1/16	6	3 1/16	1 1/16	2 5/32	4 3/32	1 3/16	3 7/8		141 PS		
152 lb.	PS	8	6 3/4	3	1 1/16	2 7/32	4 7/8	1 9/32	3 3/4	15222	152 PS		
155 lb.	PS	8	6 3/4	3	3/4	2 1/16	4 2 1/32	1 9/32	3 3/8	15531	155 PS		