

TABLE OF RAIL SECTIONS - (DIMENSIONS IN INCHES)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	
WT./ YD. LB.	TYPE	MANUFACTURER AND SECTION NUMBER															RAIL HEIGHT	BASE WIDTH	HEAD WIDTH	WEB THICKNESS	HEAD HEIGHT	WEB HEIGHT	BASE HEIGHT	BASE EDGE THICKNESS	HEAD RADIUS	WEB RADIUS	GAGE CORNER RADIUS	TOP FILLET RADIUS	BOTTOM FILLET RADIUS	HEAD SIDE SLOPE	HEAD BOTTOM ANGLE	BASE ANGLE	HEAD RADIUS WIDTH	WEB CENTER LINE	NEUTRAL AXIS DISTANCE	BOLT CENTER LINE	REFERENCE	
		U.S. STEEL	BETHELEM	ILLINOIS	OLD ILLINOIS	CARNEGIE	TENNESSE TC & I	LACKAWANNA	MIDVALE	COLORADO CF & I	INLAND	CAMBRIA	MARYL. PENN.	DOMINION	ALGOMA	SYDNEY	H	B	HD	W	HH	WH	BH	T	RH	RW	R1	R2	R3	S	A1	A2	CH	WC	N	BC		
79	PA STL. CO. - MD STL. CO.												76				4 ³ / ₄	4 ³ / ₄	2 ⁵ / ₈	5 ₈	1 ⁵ / ₈	2 ¹ / ₃₂	2 ⁵ / ₃₂	1 ₈		12	9	1 ₂	1 ₄	1 ₄	6°	13°	13°			1 ¹⁵ / ₁₆	I	
79.5	FRictionless		79.5-C														5 ³ / ₁₆	5 ³ / ₁₆	1 ¹⁵ / ₁₆	9 ₁₆	2 ¹ / ₃₂	2 ⁹ / ₃₂	7 ₈						4°	13°	13°		2 ¹ / ₆₄		2 ¹ / ₆₄	D, H		
80	ARA-A	8020	80-RA	8020		8020	8020	8031		801							5 ¹ / ₈	4 ⁵ / ₈	2 ¹ / ₂	3 ³ / ₆₄	1 ⁷ / ₁₆	2 ²³ / ₃₂	3 ¹ / ₃₂		14	14	3 ₈	3 ₈	3 ₈	1 ₁₆ To 1	1 To 4	1 To 4		2 ⁹ / ₁₆	2.31	2 ² / ₆₄	C, E, H, J	
	ARA-B	8030	80-RB	8030		8030	8030	8032	569	802							4 ¹⁵ / ₁₆	4 ⁷ / ₁₆	2 ⁷ / ₁₆	3 ⁵ / ₆₄	1 ¹⁵ / ₃₂	2 ¹⁵ / ₃₂	1		12	12	3 ₈	5 ₁₆	5 ₁₆	3°	13°	13°		2 ¹⁵ / ₆₄	2.27	2 ¹⁵ / ₆₄	C, D, E, H, J	
	ASCE	8040	80-AS	8040		8040	8040	800	530	800	8040		251				5	5	2 ¹ / ₂	3 ⁵ / ₆₄	1 ¹ / ₂	2 ⁵ / ₈	7 ₈		12	12	5 ₁₆	1 ₄	1 ₄	VERT.	13°	13°		2 ³ / ₁₆	2.38	2 ³ / ₁₆	A, C, D, E, I, J	
	CAN. NOR.		804	8010		8010	8010	804									5	5	2 ⁹ / ₁₆	3 ⁵ / ₆₄	1 ¹³ / ₃₂	2 ¹¹ / ₁₆	2 ⁹ / ₃₂						1 ₁₆ To 1	13°	13°		2 ¹ / ₄		2 ¹ / ₄	D, H, L		
	DUDLEY	8022	80-DY	8022		8022	8022							220				5 ¹ / ₈	5	2 ² / ₃₂	1 ⁷ / ₃₂	1 ¹ / ₂	2 ³ / ₄	7 ₈		14	14	1 ₄	1 ₂	5 ₁₆	1 ₁₆ To 1	1 To 4	1 To 4		2 ⁵ / ₈		2 ¹ / ₄	A, I, J
	FRictionless		80-MC-F															5 ³ / ₁₆	5 ³ / ₁₆	1 ¹⁵ / ₁₆	9 ₁₆	2 ¹ / ₃₂	2 ⁹ / ₃₂	7 ₈						4°	13°	13°		2 ¹ / ₆₄			H	
	GREAT NORTHERN				8009				802									5	5	2 ¹³ / ₃₂	5 ₈	1 ⁵ / ₈	2 ¹ / ₂	7 ₈						5°	14°	14°				2 ¹ / ₈	D	
	HOCKING VALLEY									540								5	4 ⁵⁹ / ₆₄	2 ³ / ₆₄	2 ⁹ / ₆₄	1 ⁹⁵ / ₁₂₈	2 ²⁵ / ₆₄	1 ¹¹ / ₁₂₈						4°	13°	13°				2 ¹ / ₁₆	D	
NEW YORK CENTRAL		220	8022	8008	8022	8022	801	543									5 ¹ / ₈	5	2 ² / ₃₂	1 ⁷ / ₃₂	1 ¹ / ₂	2 ³ / ₄	7 ₈		14	14	5 ₁₆	1 ₂	5 ₁₆	1 ₁₆ To 1	1 To 4	1 To 4		2 ⁵ / ₈	2.43	2 ¹ / ₄	C, D	
85	ASCE	8540	85-AS	8540	8504	8540	8540	850	531	851	8540		235				5 ³ / ₁₆	5 ³ / ₁₆	2 ⁹ / ₁₆	9 ₁₆	1 ³⁵ / ₆₄	2 ³ / ₄	5 ⁷ / ₆₄			12	12	5 ₁₆	1 ₄	1 ₄	VERT.	13°	13°		2 ¹ / ₆₄	2.47	2 ¹ / ₆₄	A, C, D, E, I, J
	C. B. & O.	8543	85-CB	8543	8506	8543	8543	855		852							5 ³ / ₁₆	5 ³ / ₁₆	2 ² / ₃₂	9 ₁₆	1 ³⁵ / ₆₄	2 ³ / ₄	5 ⁷ / ₆₄						5°	13°	13°		2 ¹ / ₆₄		2 ¹ / ₆₄	A, D, E		
	CANADIAN PACIFIC	8524	85-CP	8524		8524	8524	856				8524		8501	113		5 ¹ / ₈	5	2 ¹ / ₂	9 ₁₆	1 ⁷ / ₁₆	2 ¹¹ / ₁₆	1	3 ₈	8	8	1 ₄	3 ₈	3 ₈	1 ₃₂ To 1	1 To 4	1 To 4		2 ¹ / ₃₂	2 ¹⁹ / ₆₄	2 ¹ / ₃₂	A, D, J, P	
	HEAD FREE - CAN. PAC													8504	137		5 ¹ / ₄	5	2 ²⁹ / ₆₄	9 ₁₆	1 ⁹ / ₁₆	2 ¹¹ / ₁₆	1	3 ₈	8	8	1 ₄	3 ₈	3 ₈	1 ₂₅ To 1	1 To 4	1 To 4		2 ¹ / ₃₂	2.35	2 ¹ / ₃₂	P	
	DENVER & RIO GRANDE									850							5 ¹ / ₄	5 ¹ / ₄	2 ¹ / ₂	9 ₁₆	1 ³ / ₄	2 ⁵ / ₈	7 ₈						4°	13°	13°		STR.		2 ³ / ₁₆	A, D		
	D. & R. G. / C & S										853						5 ³ / ₈	4 ⁷ / ₈	2 ¹ / ₂	9 ₁₆	1 ¹⁵ / ₃₂	2 ²⁹ / ₃₂	1						1 ₁₆ To 1	1 To 4	1 To 4				2 ²⁹ / ₆₄	D		
	GREAT NORTHERN		854	8553	8509	8553	8553	854									5	5	2 ² / ₃₂	2 ¹ / ₃₂	1 ¹⁹ / ₃₂	2 ¹ / ₂	2 ⁹ / ₃₂						5°	14°	14°		2 ⁵ / ₃₂		2 ⁵ / ₃₂	D, E		
	MISSOURI PACIFIC	8550	853	8550	8507	8550	8550										5 ⁷ / ₃₂	5 ¹ / ₄	2 ¹⁵ / ₃₂	7 ⁵ / ₁₂₈	1 ³ / ₄	2 ³⁹ / ₆₄	5 ⁵ / ₆₄						2° 30'	13°	13°		STR.		2 ²¹ / ₁₂₈	A, D, E, H		
	N. Y. C. & STL. / KCS		85-NK	8521		8521	8521	8531				8521					5 ³ / ₈	4 ⁷ / ₈	2 ¹ / ₃₂	1 ⁷ / ₃₂	1 ²⁹ / ₆₄	2 ¹⁵ / ₁₆	6 ³ / ₆₄			14	14	3 ₈	3 ₈	3 ₈	1 ₁₆ To 1	1 To 4	1 To 4		2 ²³ / ₃₂	2.43	2 ²⁹ / ₆₄	C, E, J, L
	PENNSYLVANIA	8531	85-PS	8531	8530	8531	8531	8530	559			8531					5 ¹ / ₈	4 ⁵ / ₈	2 ¹ / ₂	1 ⁷ / ₃₂	1 ² / ₃₂	2 ¹⁵ / ₃₂	1			10	10	7 ₁₆	1 ₄	1 ₄	VERT.	15°	13°		2 ¹⁵ / ₆₄	2.38	2 ¹⁵ / ₆₄	A, C, D, E
	PENNSYLVANIA		85-PR	8533	8503	8533	8533	852	500					67			5	5	2 ⁹ / ₁₆	1 ⁷ / ₃₂	1 ³ / ₄	2 ³ / ₈	7 ₈	5 ₃₂		10	8	7 ₁₆	1 ₄	1 ₄	4°	13°	13°		2 ¹ / ₁₆		2 ¹ / ₁₆	D, E, I
	SEABOARD (DUDLEY)		85-DY	8522		8522	8522	851						261			5 ¹ / ₄	5	2 ¹¹ / ₁₆	1 ⁷ / ₃₂	1 ⁵ / ₈	2 ³ / ₄	7 ₈			14	14	5 ₁₆	1 ₂	5 ₁₆	1 ₁₆ To 1	1 To 4	1 To 4		2 ⁵ / ₈	2.57	2 ¹ / ₄	C, D, I
SOO LINE	8520		8520		8520	8520										5 ³ / ₈	4 ⁷ / ₈	2 ¹ / ₂	9 ₁₆	1 ¹⁵ / ₃₂	2 ²⁹ / ₃₂	1						3° 34' 35"	14° 2' 11"	14° 2' 11"		2 ²³ / ₃₂		2 ²⁹ / ₆₄	A, D, E, L, M			
WESTERN PACIFIC																5 ¹ / ₄	5 ¹ / ₄	2 ¹ / ₂	9 ₁₆	1 ³ / ₄	2 ⁵ / ₈	7 ₈			10	VERT.	7 ₁₆	5 ₁₆	5 ₁₆	4°	13°	13°				2 ³ / ₁₆	N	
90	ARA-A	9020	90-RA	9020		9020	9020	9031	563	902	9020						5 ⁵ / ₈	5 ¹ / ₈	2 ⁹ / ₁₆	9 ₁₆	1 ¹⁵ / ₃₂	3 ⁵ / ₃₂	1		14	14	3 ₈	3 ₈	3 ₈	1 ₁₆ To 1	1 To 4	1 To 4		2 ²⁹ / ₃₂	2.54	2 ³ / ₆₄	A, C, D, E, J	
	ARA-B	9030	90-RB	9030		9030	9030	9032	561	905	9030						5 ¹⁷ / ₆₄	4 ⁴⁹ / ₆₄	2 ⁹ / ₁₆	9 ₁₆	1 ³⁹ / ₆₄	2 ⁵ / ₈	1 ¹ / ₃₂			12	12	3 ₈	5 ₁₆	5 ₁₆	3°	13°	13°		2 ¹ / ₃₂	2.45	2 ¹ / ₃₂	A, C, D, E, J
	ASCE	9040	90-AS	9040	9002	9040	9040	900	535			9040		245			5 ³ / ₈	5 ³ / ₈	2 ⁵ / ₈	9 ₁₆	1 ¹⁹ / ₃₂	2 ⁵⁵ / ₆₄	5 ⁹ / ₆₄			12	12	5 ₁₆	1 ₄	1 ₄	VERT.	13°	13°		2 ⁴⁵ / ₁₂₈	2.55	2 ⁴⁵ / ₁₂₈	A, C, D, E, I, J
	AT & SF	9021	90-SF	9021		9021	9021	9033			903	9021					5 ⁵ / ₈	5 ³ / ₁₆	2 ⁹ / ₁₆	9 ₁₆	1 ¹⁵ / ₃₂	3 ⁵ / ₃₂	1						1 ₁₆ To 1	1 To 4	1 To 4		2 ²⁹ / ₃₂		2 ³ / ₆₄	A, C, D, E		
	CHI. & NOR. WESTERN	9035	90-DM	9035		9035	9035	904									5 ¹⁷ / ₃₂	5 ³ / ₃₂	2 ¹ / ₂	1 ₂	1 ¹⁷ / ₃₂	2 ³ / ₃₂	1 ¹ / ₃₂															