

AASHTO WHEEL LOAD SPAN TABLE

CONTINUOUS BEAM MOMENT*

	TYPE	SIZE OF MAIN BARS	Weight lbs per Sq. Ft.	I in ⁴ per Foot	Sec. Modulus In ³ per Foot		Maximum Allowable Grating Span in Inches		
					ST	SB	H10	H15	H20
ASTM A-36 STEEL	RWL-16A	3-1/2 x 1/4	17.16	2.8702	1.9796	1.4000	27.71	26.38	26.96
	RWL-16B	3-1/2 x 5/16	18.68	3.3908	2.2687	1.6908	32.60	30.41	30.57
	RWL-16C	3-1/2 x 3/8	20.18	3.8891	2.5458	1.9719	37.39	34.36	34.09
	RWL-18A	4 x 1/4	18.15	4.2849	2.5827	1.8304	34.70	32.18	32.18
	RWL-18B	4 x 5/16	19.91	5.0605	2.9567	2.2113	41.10	37.47	36.09
	RWL-18C	4 x 3/8	21.63	5.8039	3.3165	2.5795	47.37	42.63	41.51
	RWL-20A	4-1/2 x 1/4	19.15	6.0901	3.2483	2.3200	42.64	38.79	38.11
	RWL-20B	4-1/2 x 5/16	21.14	7.1931	3.7189	2.8034	50.76	45.50	44.11
	RWL-20C	4-1/2 x 3/8	23.09	8.2464	4.1707	3.2687	58.69	52.02	49.94
	RWL-22A	5 x 1/4	20.14	8.3302	3.9742	2.8686	51.54	46.19	44.76
	RWL-22B	5 x 5/16	22.37	9.8339	4.5502	3.4641	61.55	54.45	52.15
	RWL-22C	5 x 3/8	24.55	11.2766	5.1064	4.0393	71.34	62.52	59.35
ASTM A-588 STEEL	RWL-16A	3-1/2 x 1/4	17.16	2.8702	1.9796	1.4000	35.66	32.99	32.90
	RWL-16B	3-1/2 x 5/16	18.68	3.3908	2.2687	1.6908	42.26	38.44	37.77
	RWL-16C	3-1/2 x 3/8	20.18	3.8891	2.5458	1.9719	48.72	43.76	42.52
	RWL-18A	4 x 1/4	18.15	4.2849	2.5827	1.8304	45.09	40.83	39.94
	RWL-18B	4 x 5/16	19.91	5.0605	2.9567	2.2113	53.73	47.96	46.32
	RWL-18C	4 x 3/8	21.63	5.8039	3.3165	2.5795	62.20	54.93	52.55
	RWL-20A	4-1/2 x 1/4	19.15	6.0901	3.2483	2.3200	55.81	49.74	47.95
	RWL-20B	4-1/2 x 5/16	21.14	7.1931	3.7189	2.8034	66.78	58.80	56.05
	RWL-20C	4-1/2 x 3/8	23.09	8.2464	4.1707	3.2687	77.48	67.61	63.92
	RWL-22A	5 x 1/4	20.14	8.3302	3.9742	2.8686	67.83	59.73	56.93
	RWL-22B	5 x 5/16	22.37	9.8339	4.5502	3.4641	81.34	70.89	66.91
	RWL-22C	5 x 3/8	24.55	11.2766	5.1064	4.0393	94.57	81.78	76.63

*Must have two or more intermediate support