

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	RW-12	2-1/2 x 3/16	15.11	1.1718	0.9374	0.9374	16.27	17.52	19.39
	RW-12A	2-1/2 x 1/4	17.23	1.5243	1.2194	1.2194	19.78	20.61	22.27
	RW-12B	2-1/2 x 5/16	19.25	1.8601	1.4880	1.4880	23.18	23.60	25.05
	RW-12C	2-1/2 x 3/8	21.18	2.1802	1.7441	1.7441	26.49	26.48	27.73
	RW-14	3 x 3/16	16.64	2.0250	1.3502	1.3502	21.23	21.93	23.52
	RW-14A	3 x 1/4	19.23	2.6341	1.7561	1.7561	26.28	26.38	27.68
	RW-14B	3 x 5/16	21.68	3.2142	2.1431	2.1431	31.19	30.68	31.68
	RW-14C	3 x 3/8	24.03	3.7674	2.5116	2.5116	35.94	34.84	35.53
	RW-16A	3-1/2 x 1/4	21.22	4.1829	2.3902	2.3902	33.97	33.20	34.06
	RW-16B	3-1/2 x 5/16	24.12	5.1041	2.9166	2.9166	40.64	39.05	39.50
	RW-16C	3-1/2 x 3/8	26.88	5.9825	3.4185	3.4185	47.11	44.71	44.75
	RW-18A	4 x 1/4	23.21	6.2439	3.1221	3.1221	42.84	41.06	41.43
	RW-18B	4 x 5/16	26.55	7.6190	3.8094	3.8094	51.55	48.71	48.54
	RW-18C	4 x 3/8	29.73	8.9302	4.4651	4.4651	60.01	56.10	55.39
	RW-20A	4-1/2 x 1/4	25.2	8.8902	3.9515	3.9515	52.89	49.98	49.78
	RW-20B	4-1/2 x 5/16	28.98	10.8482	4.8215	4.8215	63.92	59.66	58.77
	RW-20C	4-1/2 x 3/8	32.58	12.7151	5.6511	5.6511	74.62	69.01	67.45
	RW-22A	5 x 1/4	27.19	12.1951	4.8782	4.8782	64.12	59.94	59.10
RW-22B	5 x 5/16	31.41	14.8809	5.9525	5.9525	77.74	71.89	70.22	
RW-22C	5 x 3/8	35.42	17.4418	6.9767	6.9767	90.95	83.44	80.93	
ASTM A-588 STEEL	RW-12	2-1/2 x 3/16	15.11	1.1718	0.9374	0.9374	20.21	21.02	22.68
	RW-12A	2-1/2 x 1/4	17.23	1.5243	1.2194	1.2194	24.95	25.20	26.57
	RW-12B	2-1/2 x 5/16	19.25	1.8601	1.4880	1.4880	29.55	29.23	30.32
	RW-12C	2-1/2 x 3/8	21.18	2.1802	1.7441	1.7441	34.01	33.13	33.94
	RW-14	3 x 3/16	16.64	2.0250	1.3502	1.3502	26.91	26.97	28.26
	RW-14A	3 x 1/4	19.23	2.6341	1.7561	1.7561	33.73	32.99	33.86
	RW-14B	3 x 5/16	21.68	3.2142	2.1431	2.1431	40.35	38.80	39.27
	RW-14C	3 x 3/8	24.03	3.7674	2.5116	2.5116	46.77	44.40	44.47
	RW-16A	3-1/2 x 1/4	21.22	4.1829	2.3902	2.3902	44.11	42.19	42.48
	RW-16B	3-1/2 x 5/16	24.12	5.1041	2.9166	2.9166	53.11	50.09	49.83
	RW-16C	3-1/2 x 3/8	26.88	5.9825	3.4185	3.4185	61.85	57.73	56.92
	RW-18A	4 x 1/4	23.21	6.2439	3.1221	3.1221	56.08	52.81	52.43
	RW-18B	4 x 5/16	26.55	7.6190	3.8094	3.8094	67.84	63.13	62.02
	RW-18C	4 x 3/8	29.73	8.9302	4.4651	4.4651	79.26	73.11	71.28
	RW-20A	4-1/2 x 1/4	25.2	8.8902	3.9515	3.9515	69.65	64.85	63.70
	RW-20B	4-1/2 x 5/16	28.98	10.8482	4.8215	4.8215	84.54	77.91	75.85
	RW-20C	4-1/2 x 3/8	32.58	12.7151	5.6511	5.6511	98.99	90.53	87.56
	RW-22A	5 x 1/4	27.19	12.1951	4.8782	4.8782	84.81	78.30	76.29
RW-22B	5 x 5/16	31.41	14.8809	5.9525	5.9525	103.19	94.43	91.29	
RW-22C	5 x 3/8	35.42	17.4418	6.9767	6.9767	121.03	110.01	105.75	

*Must have two or more intermediate support