

SIMPLE 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	1172	0.937	0.937	14.01	15.51	17.33
	RW-12A	2-1/2 x 1/4	17.23	1524	1.219	1.219	16.82	17.99	19.82
	RW-12B	2-1/2 x 5/16	19.25	1860	1.488	1.488	19.55	20.38	22.04
	RW-12C	2-1/2 x 3/8	21.18	2180	1.744	1.744	22.19	22.69	24.18
	RW-14	3 x 3/16	16.64	2025	1.350	1.350	17.98	19.04	20.82
	RW-14A	3 x 1/4	19.23	2634	1.756	1.756	22.03	22.60	24.14
	RW-14B	3 x 5/16	21.68	3214	2.143	2.143	25.95	26.05	27.34
	RW-14C	3 x 3/8	24.03	3767	2.512	2.512	29.75	29.37	30.43
	RW-16A	3-1/2 x 1/4	21.22	4183	2.390	2.390	28.17	28.06	29.25
	RW-16B	3-1/2 x 5/16	24.12	5104	2.917	2.917	33.51	32.74	33.60
	RW-16C	3-1/2 x 3/8	26.88	5983	3.419	3.419	38.69	37.27	37.80
	RW-18A	4 x 1/4	23.21	6244	3.122	3.122	35.27	34.35	35.14
	RW-18B	4 x 5/16	26.55	7619	3.809	3.809	42.24	40.47	40.83
	RW-18C	4 x 3/8	29.73	8930	4.465	4.465	49.01	43.38	46.32
	RW-20A	4-1/2 x 1/4	25.2	8890	3.952	3.952	43.31	41.48	41.82
	RW-20B	4-1/2 x 5/16	28.98	10848	4.822	4.822	52.13	49.22	49.02
	RW-20C	4-1/2 x 3/8	32.58	12715	5.651	5.651	60.70	56.71	55.96
	RW-22A	5 x 1/4	27.19	12195	4.878	4.878	52.30	49.45	49.28
	RW-22B	5 x 5/16	31.41	14881	5.953	5.953	63.19	59.01	58.17
	RW-22C	5 x 3/8	35.42	17442	6.977	6.977	--	68.25	66.74
ASTM A-588 STEEL									
	RW-12	2-1/2 x 3/16	15.11	1172	0.937	0.937	17.17	18.32	20.14
	RW-12A	2-1/2 x 1/4	17.23	1524	1.219	1.219	20.96	21.66	23.26
	RW-12B	2-1/2 x 5/16	19.25	1860	1.488	1.488	24.64	24.88	26.26
	RW-12C	2-1/2 x 3/8	21.18	2180	1.744	1.744	28.21	28.00	29.15
	RW-14	3 x 3/16	16.64	2025	1.350	1.350	22.53	23.08	24.61
	RW-14A	3 x 1/4	19.23	2634	1.756	1.756	27.99	27.89	29.09
	RW-14B	3 x 5/16	21.68	3214	2.143	2.143	33.28	32.54	33.41
	RW-14C	3 x 3/8	24.03	3767	2.512	2.512	38.42	37.02	37.58
	RW-16A	3-1/2 x 1/4	21.22	4183	2.390	2.390	36.28	35.25	35.98
	RW-16B	3-1/2 x 5/16	24.12	5104	2.917	2.917	43.49	41.57	41.86
	RW-16C	3-1/2 x 3/8	26.88	5983	3.419	3.419	50.48	47.68	47.53
	RW-18A	4 x 1/4	23.21	6244	3.122	3.122	45.86	43.75	43.94
	RW-18B	4 x 5/16	26.55	7619	3.809	3.809	55.27	52.00	51.62
	RW-18C	4 x 3/8	29.73	8930	4.465	4.465	64.41	59.99	59.03
	RW-20A	4-1/2 x 1/4	25.2	8890	3.952	3.952	56.72	53.38	52.96
	RW-20B	4-1/2 x 5/16	28.98	10848	4.822	4.822	68.63	63.83	62.68
	RW-20C	4-1/2 x 3/8	32.58	12715	5.651	5.651	80.19	79.93	72.05
	RW-22A	5 x 1/4	27.19	12195	4.878	4.878	68.85	64.14	63.03
	RW-22B	5 x 5/16	31.41	14881	5.953	5.953	83.55	77.04	75.03
	RW-22C	5 x 3/8	35.42	17442	6.977	6.977	97.83	89.51	86.60