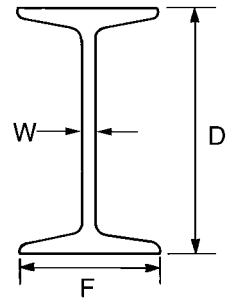
CM Beam specifications

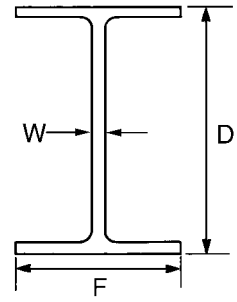
Below you will find the standard sizes, flange widths and weights for the most common American standard and wide flange I-beam shapes. For shapes not included in this chart, consult your CM distributor for assistance.

CM hoist trolley ordering information

Total rated load (lb.)
Trolley speed (in./min.)
Motor voltage
Beam height (in.)
Beam flange width (in.)
Beam weight/ft. (lb.)
Trolley model number
Hoist model number



American standard



Wide flange

Wide flange shapes

Section number	Weight per ft. (lbs.)	Dimensions (in.) F	W	D
W8	10	4	3/16	7 7/8
	18	5 1/4	1/4	8 1/8
	24	6 1/2	1/4	7 7/8
	31	8	5/16	8
W10	12	4	3/16	9 7/8
	22	5 3/4	1/4	10 1/8
	33	8	5/16	9 3/4
	49	10	5/16	10
W12	14	4	3/16	11 7/8
	26	6 1/2	1/4	12 1/4
	40	8	5/16	12
	53	10	3/8	12
	65	12	3/8	12 1/8
W14	22	5	1/4	13 3/4
	30	6 3/4	1/4	13 7/8
	43	8	5/16	13 5/8
	61	10	3/8	13 7/8
	90	14 1/2	7/16	14
W16	26	5 1/2	1/4	15 3/4
	36	7	5/16	15 7/8
	67	10 1/4	3/8	16 3/8
W18	35	6	5/16	17 3/4
	50	7 1/2	3/8	18
	76	11	7/16	18 1/4
W21	44	6 1/2	3/8	20 5/8
	62	8 1/4	3/8	21
	101	12 1/4	1/2	21 3/8
W24	55	7	3/8	23 5/8
	68	9	7/16	23 3/4
	104	12 3/4	1/2	24
W27	84	10	7/16	26 3/4
	146	14	5/8	27 3/8
	99	10 1/2	1/2	29 5/8
	173	15	5/8	30 1/2

The structural shapes illustrated in this chart are representative of the more commonly used sections. If a shape not included in this listing is encountered, consult factory with all dimensions and the weight for assistance.

American standard shapes

Section number	Weight per ft. (lbs.)	Dimensions (in.) F	W	D
S4	7.7	2 5/8	3/16	4
	9.5	2 3/4	5/16	4
S5	10.0	3	3/16	5
S6	12.5	3 3/8	1/4	6
	17.25	3 5/8	7/16	6
S7	15.3	3 5/8	1/4	7
S8	18.4	4	1/4	8
	23.0	4 1/8	7/16	8
S10	25.4	4 5/8	5/16	10
	35.0	5	5/8	10
S12	31.8	5	3/8	12
	35.0	5 1/8	7/16	12
	40.8	5 1/4	7/16	12
	50.0	5 1/2	11/16	12
S15	42.9	5 1/2	7/16	15
	50.0	5 5/8	9/16	15
S18	54.7	6	7/16	18
	70.0	6 1/4	11/16	18
S20	66.0	6 1/4	1/2	20
	75.0	6 3/8	5/8	20
	86.0	7	11/16	20 1/4
	96.0	7 1/4	13/16	20 1/4
S24	80.0	7	1/2	24
	90.0	7 1/8	5/8	24
	100.0	7 1/4	3/4	24
	106.0	7 7/8	5/8	24 1/4
	121.0	8	13/16	24 1/4

The structural shapes illustrated in this chart are representative of the more commonly used sections. If a shape not included in this listing is encountered, consult factory with all dimensions and the weight for assistance.

***⚠WARNING**

Overloading and improper use can result in injury.