Scaffolding Today Inc.
Complete Scaffolding and Accessories
www.scaffoldingtoday.com

1420 Tonnelle Avenue
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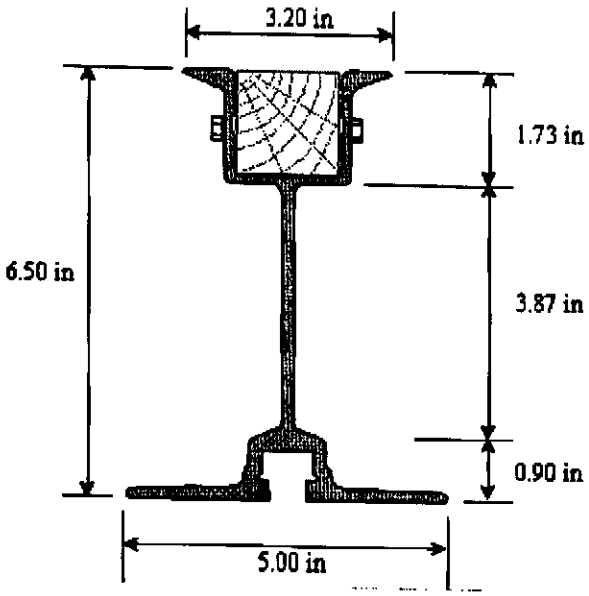
6.5" ALUMINUM BEAM



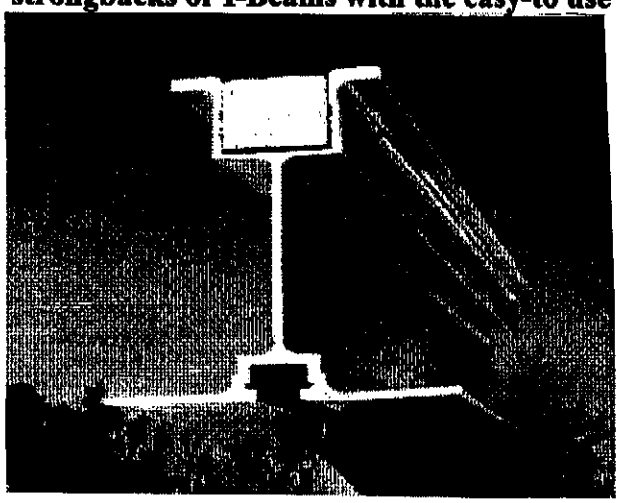
STANDARD LENGTHS

Length (ft)	Length (m)	Weight (lbs) with wood*	Weight (kg) with wood*
10' 6"	3.2	42.0	19.1
12'	3.7	48.0	21.8
14'	4.3	56.0	25.5
16'	4.9	64.0	29.1
18'	5.5	72.0	32.7
21'	6.4	84.0	38.2
24'	7.3	96.0	43.6

Custon lengths available on a Per-Order basis.
*** Beams with plastic nailer weigh approximately 0.5lbs/foot, or 0.75kg/m more than beam with wood.**

The 6.5" Aluminum Beam has been the workhorse of the industry for decades. It's strength and lightweight properties provide an optimal combination for the contractor. Aluminum minimize the number of total horizontal and vertical members required on the job compared to wood. Since it's lightweight compared to steel, the contractor realizes labor productivity through ease of use.

The Beam contains of either a 2x2 weather treated Southern Yellow Pin wood nailer (the hardest of the soft woods) or a weather resistant plastic nailer at it's head. The plastic nailer is formulated to provide nail gripping properties comparable to wood, yet will not become soft in hot weather, nor brittle and crack in cold. The Beam has a T-head A-Bolt slot in it's base for fastening stringers, strongbacks or I-Beams with the easy-to use self-locking A-bolt.



PHYSICAL SPECIFICATIONS

42.0Overall	6.50 in	165 mm.
Base Width	5.00 in.	127 mm
Width, Inverted Top Hat Section	3.20 in	81 mm
Cross Sectional Area (w/o nailer)	2.7 in.^{2}	1723 mm^2
Nominal Weight (without nailer)	3.2 lb/ft	4.7 kg/m
Nominal Weight (with wood nailer)	4 lb/ft	5.9 kg/m

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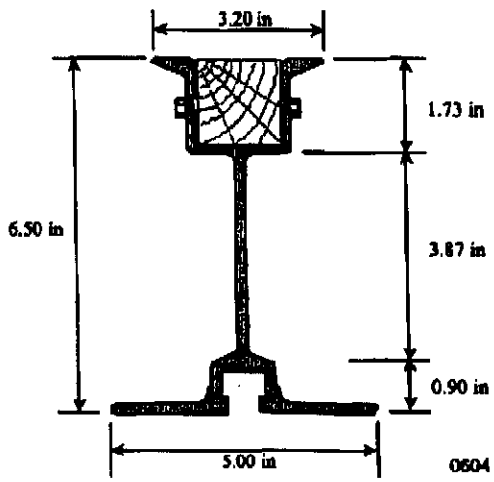
Load Chart

Span (ft)	Deflection (in) L/360	Load (lbs/ft) L/360	Deflection (in) L/270	Load (lbs/ft) L/270
4	0.13	2364	0.18	2,364
5	0.17	1875	0.22	1,875
6	0.20	1188	0.27	1,302
7	0.23	748	0.31	957
8	0.27	501	0.36	668
9	0.30	352	0.40	469
10	0.33	257	0.44	342
11	0.37	193	0.49	257
12	0.40	148	0.53	198
13	0.43	117	0.58	156
14	0.47	94	0.62	125
15	0.50	76	0.67	101
16	0.53	63	0.71	84
17	0.57	52	0.76	70
18	0.60	44	0.80	59
19	0.63	37	0.84	50
20	0.67	32	0.89	43

Physical Specifications

Overall Height	6.50 in.
Base Width	5.00 in.
Width, Inverted Top Hat Section	3.20 in.
Cross Sectional Area (w/o nailer)	2.67 $in.^2$
Nominal Weight (w/o nailer)	3.15 lb/ft
Nominal Weight (w/ nailer)	4 lb/ft
Moment of Inertia (Ixx)	16.98 $in.^4$
Moment of Inertia (Iyy)	2.64 $in.^4$
Section Modulus, Sxx (max)	6.25 $in.^3$
Section Modulus, Sxx (min)	4.42 $in.^3$
Modulus of Elasticity, E	10.2E6 psi

Deflection data based on simple spans.
F.O.S.= 2.2 to 1. Beam to be laterally supported.
All data is provided as guidelines only.



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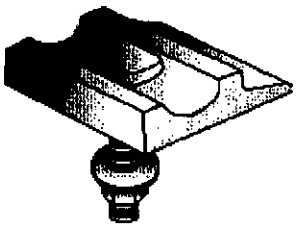
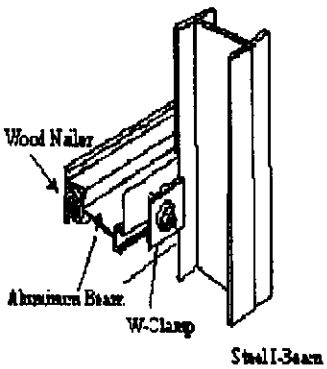
W-CLAMP ASSEMBLY





W-Clamps secure slotted beam to any flat surface of concrete shoring and forming members. Shown here, a W-Clamp clasps 6½" aluminum beam to a steel I-beam. The W-Clamp could be used here, or to connect to a flat stringer beam base.

Beam and Strongback contain T-head A-Bolt slots which allow the ease of self-locking bolts. W-Clamps come assembled with these self-locking bolts.

The lip of the pad is specially tapered to clamp down on any flat surface. W-Pads are also sold separately for joining steel or aluminum to wood via a lag bolt.

The versatility of the W-Clamp makes is a most popular choice in shoring systems throughout the world.