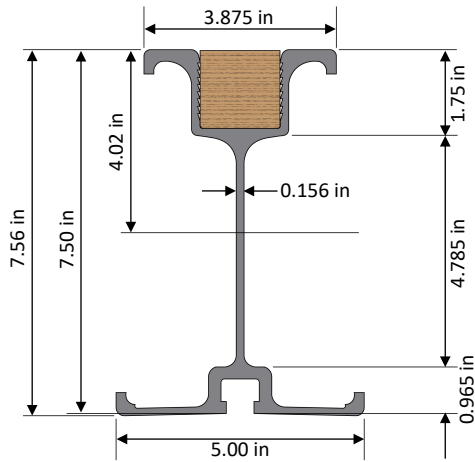


ALUMINUM STRINGERS

MAGNUM
DURA-CLAMP
CIRCA-FLEX
HI-LOAD
AL-SPEED

UNISPAN
FORMWORK AND SHORING SYSTEMS



Standard Lengths	Part No.	Standard Lengths	Part No.
4' 0"	04SB	13' 0"	13SB
4' 6"	046SB	13' 6"	136SB
6' 0"	06SB	14' 0"	14SB
7' 0"	07SB	15' 0"	15SB
8' 0"	08SB	16' 0"	16SB
10' 0"	10SB	17' 0"	17SB
10' 6"	106SB	18' 0"	18SB
11' 0"	11SB	20' 0"	20SB
12' 0"	12SB	24' 0"	24SB
12' 6"	126SB		

Aluminum Stringer - Design Chart

Notes:

1. R denoted reaction governed. With beam fully supported on 8" (200mm) J-Head. For different support conditions consult engineering for capacity.
2. E denoted half bearing at member end governed.
3. V denoted shear governed.
4. M denoted moment governed.
5. D denoted deflection governed (deflection < L/360).
6. Value with * denoted deflection governs with deflection limited to 6mm (or ¼").
7. Factor of Safety = 2.2:1

SPAN (ft)	ALLOWABLE DEFLECTION (in)	1 SPAN (lbs/ft)	2 SPAN (lbs/ft)	3 SPAN (lbs/ft)
4.00	0.13	5558 V	3270 R	3716 R
4.50	0.15	4722 M	2907 R	3303 R
5.00	0.17	3825 M	2616 R	2973 R
5.50	0.18	3077 D	2378 R	2703 R
6.00	0.20	2370 D	2180 R	2477 R
6.50	0.22	1864 D	2012 R	2287 R
7.00	0.23	1493 D	1869 R	2123 R
7.50	0.25	1214 D * 1214	1744 R	1982 R
8.00	0.27	1000 D * 938	1635 R	1858 R * 1769
8.50	0.28	834 D * 736	1539 R	1573 D * 1388
9.00	0.30	702 D * 585	1380 M	1325 D * 1104
9.50	0.32	597 D * 471	1238 M * 1136	1127 D * 890
10.00	0.33	512 D * 384	1118 M * 925	966 D * 725
10.50	0.35	442 D * 316	1014 M * 761	835 D * 596
11.00	0.37	385 D * 262	924 M * 632	726 D * 495
11.50	0.38	337 D * 220	811 D * 529	635 D * 414
12.00	0.40	296 D * 185	714 D * 466	559 D * 349

Overall height.....	7.50 in
Base width.....	5.00 in
Nominal weight (excluding nailing strip).....	4.63 lb/ft
(including nailing strip).....	5.53 lb/ft
*Allowable bottom flange bearing at beam ends (end reaction).....	8.1 kips
*Allowable bottom flange bearing between beam ends (interior reaction).....	16.4 kips
Allowable Shear.....	10.0 kips
Allowable Bending Moment (bottom flange in compression).....	182.3 kip-in
Allowable Bending Moment (top flange in compression).....	167.7 kip-in

Bolt slots accept ½" (12.7mm) standard square head, hex head or A-bolts.

UNISPAN USA
1355 E Archwood Ave, Akron, OH 44306
1840 Marty Fladell Dr, Delray Beach, FL 33444
Ohio: (330) 247-1618 Florida: (561) 513-6737