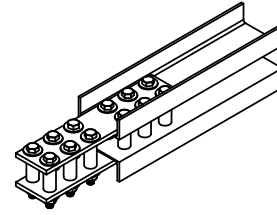


# WB-6 Wale

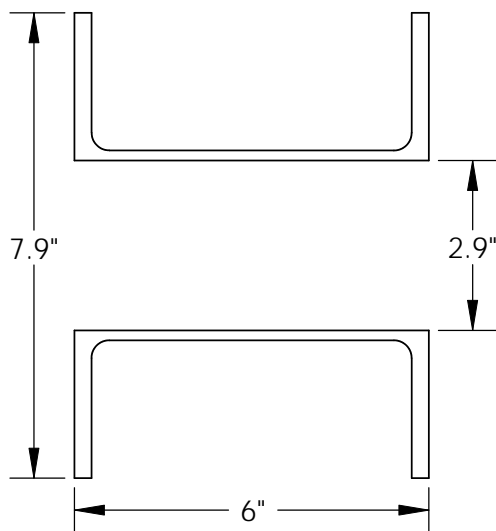


<b>Max Allowable Bending Moment</b>	16,835 ft-lbs**	22,825 N-m**
<b>Max Allowable Point Load*</b>	27,886 lb**	124,040 N**
<b>Section Modulus (Z)</b>	9.7 in <sup>3</sup>	159 cm <sup>3</sup>
<b>Moment of Inertia (I)</b>	29 in <sup>4</sup>	1,207 cm <sup>4</sup>
<b>Design Modulus of Elasticity (E)</b>	10 x 10 <sup>6</sup> psi	68,900 Mpa
<b>Material</b>	6061-T6 Marine Grade Aluminum	
<b>Required Components</b>	WB-6 Rod Kit	
<b>Standard Colors</b>	Mill Finish	
<b>Standard Packaging</b>	40ft C-channel (2x), Splice Kit, Nylon & SS Fasteners	

\* when used with WB-6 Rod Kit

\*\* Stress combinations should be checked using:

$$\left( \frac{\text{Induced Bending Moment}}{\text{Max Allowable Bending Moment}} \right)^{1.5} + \left( \frac{\text{Induced Point Load}}{\text{Max Allowable Point Load}} \right)^{1.5} \leq 1.0$$



Span (L) (ft)	Max Allowable Uniform Load (Bending Moment/ Point Load)	Deflection Allowable Uniform Load (lbs/ft)			
		L/90	L/180	L/240	L/360
4	5,229	----	----	----	----
5	3,835	----	----	----	3,437
6	2,937	----	----	----	1,989
7	2,321	----	----	1,879	1,253
8	1,880	----	1,678	1,259	839
9	1,552	----	1,179	884	589
10	1,303	----	859	644	430
11	1,108	----	646	484	323
12	954	----	497	373	249
13	829	782	391	293	196
14	727	626	313	235	157
15	643	509	255	191	127

Physical properties are defined by ASTM testing standards, The Aluminum Association Design Manual, The Naval Facilities Design Manual DM 7.2, The US Army Corps of Engineers General Design Guide: PVC Sheet Pile and/or standard engineering practice. The values shown are nominal and may vary. The information found in this document is believed to be true and accurate. No warranties of any kind are made as to the suitability of any CMI product for particular applications or the results obtained there from. Crane Materials International is a Crane Building Products® company. ShoreGuard®, The ShoreGuard Seawall System™, C-Loc®, TimberGuard®, GeoGuard®, Dura Dock®, Shore-All®, GatorGates®, GatorDock Elite™, ArmorWare™, ArmorRod™, Box Profile™, UltraComposite™, Elite Wall™, Elite Panel™, Elite Fascia Panel™, Flat Panel™, XCRTM, XCR Technology™, XCR Vinyl™, GatorBridge™, Gator Aluminum™, Gator Sheet Piling™, GatorDock™, I-Beam Lock™, Textured Slate™, Crane Materials International™ logo, CMI Sheet Piling Solutions™, Aqua Terra System™, Endurance™, Endurance CSPTM, Polaris™, Eclipse™, GridSpine™, 21 Poly™, PileClaw™, SheerScape™, SheerScape Retaining Wall Systems™, Sheer Panel™ and CMI Waterfront Solutions™ are trademarks, service marks or trade names of Crane Materials International, United States and International Patent numbers 4,674,921; 4,690,588; 5,292,208; 5,145,287; 6,000,883; 6,033,155; 6,053,666; D420,154; 6,575,667; 7,059,807; 7,056,066; 7,025,539; 7,393,482; 5,503,503; 5,803,672; 6,231,271; 1,245,061CA and other patents pending. © 2011 Crane Materials International. All Rights Reserved.