

Updated April 3, 2017

Product	Allowable Moment (M)	Stiffness (EI)	Section Modulus (Z)	Moment of Inertia (I)	Thickness Web/Flange (t)	Section Depth (D)	Section Width (W)	Material	Profile
	ft-lb/ft kN-m/m	lb-in <sup>2</sup> /ft kN-m <sup>2</sup> /m	in <sup>3</sup> /ft cm <sup>3</sup> /m	in <sup>4</sup> /ft cm <sup>4</sup> /m	in mm	in mm	in mm		
UC-95	48,750 216.84	1,988 18,717	58.5 3,145	497 67,870	0.54 13.7	17 432	30 762	FRP Composite	Z
UC-75	31,667 140.85	1,064 10,018	38 2,043	266 36,325	0.400 / 0.430 10.2 / 10.9	14 356	24 610	FRP Composite	Z
PZH-159	27,625 122.88	850 8,003	17 914	85 11,610	0.220 / 0.270 5.6 / 6.9	10 254	15 381	Aluminum	Z
PZH-153	21,125 93.96	650 6,120	13 699	65 8,876	0.183 4.6	10 254	15 381	Aluminum	Z
UC-50	17,333 77.10	416 3,917	20.8 1,118	104 14,200	0.325 / 0.355 8.3 / 9.0	10 254	36 914	FRP Composite	Box
SG-950	15,147 67.37	130 1,220	56.8 3,054	341 46,567	0.715 18.1	12 305	18 457	Vinyl	Z
PZH-7	14,625 65.05	270 2,542	9 484	27 3,687	0.245 6.2	6 152	12 305	Aluminum	Z
PZH-3	11,863 52.77	220 2,071	7.3 393	22 3,004	0.183 4.6	6 152	12 305	Aluminum	Z
UC-30	10,833 48.19	208 1,958	13 698	52 7,101	0.250 / 0.265 6.4 / 6.7	8 203	18 457	FRP Composite	Z
SG-850	9,920 44.12	71 665	37.2 2,000	186 25,400	0.515 13.1	10 254	18 457	Vinyl	Z
SG-825	9,787 43.53	84 787	36.7 1,973	220 30,043	0.485 12.2	12 305	30 762	Vinyl	Box
PZH-1	9,750 43.37	180 1,695	6 323	18 2,458	0.145 3.7	6 152	12 305	Aluminum	Z
FP-575	8,320 37.01	35 326	31.2 1,677	91 12,430	0.29 / 0.475 7.4 / 12.1	9 229	24 610	Vinyl	Flat
SG-650	7,893 35.11	56 530	29.6 1,591	148 20,212	0.385 9.8	10 254	18 457	Vinyl	Z
PZM-19	6,663 29.64	82 772	4.1 220	8.2 1,120	0.170 / 0.183 4.3 / 4.6	4 102	12 305	Aluminum	Z
SG-625	6,507 28.94	46 437	24.4 1,312	122 16,660	0.385 9.8	10 254	30 762	Vinyl	Box
PZM-16	5,850 26.02	71 669	3.6 194	7.1 970	0.140 / 0.155 3.6 / 3.9	4 102	12 305	Aluminum	Z
FP-475	5,467 24.32	17 161	20.5 1,102	45 6,145	0.25 / 0.24 6.4 / 6.1	7 178	24 610	Vinyl	Flat
CL-9900	5,333 23.72	34 322	20 1,075	90 12,290	0.35 8.9	9 229	24 610	Vinyl	Box
AWM-8	4,550 20.24	55 518	2.8 151	5.5 751	0.121 3.1	4 102	12 305	Aluminum	Pan
CL-9000	4,320 19.22	28 261	16.4 882	74 10,105	0.28 7.1	9 229	24 610	Vinyl	Box
SG-425	3,813 16.96	22 204	14.3 769	57 7,784	0.285 7.2	8 203	24 610	Vinyl	Box
AWM-3	3,575 15.90	44 414	2.2 118	4.4 601	0.095 2.4	4 102	12 305	Aluminum	Pan
SG-325	2,960 13.17	15 140	11.1 597	39 5,326	0.25 6.4	7 178	24 610	Vinyl	Box
AWL-8	2,275 10.12	17 160	1.4 75	1.7 232	0.11 2.8	2.5 64	12 305	Aluminum	Pan
AWL-3	1,950 8.67	15 141	1.2 65	1.5 205	0.095 2.4	2.5 64	12 305	Aluminum	Pan
SG-225	1,920 8.54	7 64	7.2 387	18 2,458	0.225 5.7	5 127	18 457	Vinyl	Box

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™, 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; 4,690,598; 5,292,208; 5,145,287; 6,000,883; 6,033,155; 6,053,666; 0420,154; 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; 7,914,237 and other patents pending. © 2014 Crane Materials International. All Rights Reserved.