



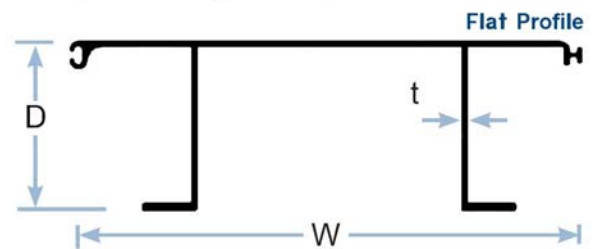
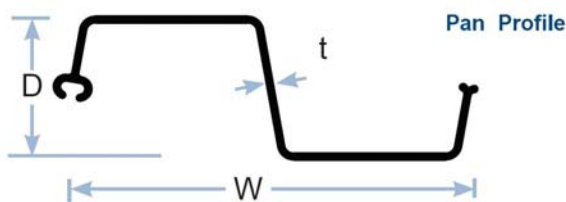
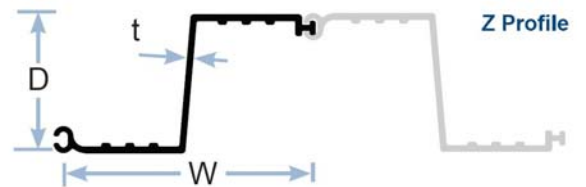
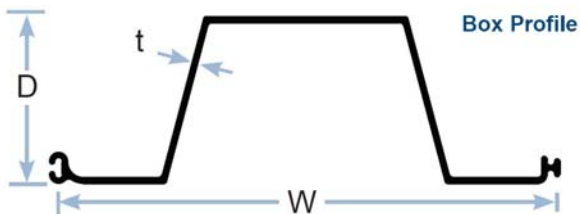
Crane Materials International

ShoreGuard® Sheet Piling Vinyl Specification Chart

Updated January 12, 2010

www.cmiengineer.com (866) 867-3762

	Allowable Moment (M)	Section Modulus (Z)	Moment of Inertia (I)	Thickness (t)	Section Depth (D)	Section Width (W)	Impact Strength	Profile	Standard Color	UV Protection	Standard Packaging	I-Beam Lock	
	ft-lb/ft kN-m/m	in ³ /ft cm ³ /m	in ⁴ /ft cm ⁴ /m	in mm	in mm	in mm	in-lbs/in ² N-mm/mm ²				Sheets/ Bundle		
Vinyl	SG-950	15,147 67.37	56.8 3,054	341 46,567	0.650 16.5	12 305	18 457	17,500 3,063	Z	GREY	YES	6	YES
	SG-750	9,707 43.18	36.4 1,957	182 24,854	0.460 11.7	10 254	12 305	15,000 2,625	Z	GREY	YES	12	YES
	SG-650	7,893 35.11	29.6 1,591	148 20,212	0.385 9.8	10 254	18 457	15,000 2,625	Z	GREY	YES	12	YES
	SG-625	6,507 28.94	24.4 1,312	122 16,660	0.385 9.8	10 254	30 762	15,000 2,625	Box	GREY	YES	6	YES
	Flat Panel	5,387 23.96	20.2 1,086	91 12,430	0.290 7.4	9 229	24 610	13,750 2,406	Flat	GREY	YES	6	YES
	CL-9900	5,333 23.72	20.0 1,075	90 12,290	0.350 8.9	9 229	24 610	13,750 2,406	Box	GREY	YES	20	NO
	SG-550	5,200 23.13	19.5 1,048	78 10,652	0.370 9.4	8 203	12 305	15,000 2,625	Z	GREY	YES	20	YES
	SG-525	4,693 20.87	17.6 946	79 10,788	0.290 7.4	9 229	24 610	13,750 2,406	Box	GREY	YES	20	YES
	CL-9000	4,320 19.22	16.2 871	73 9,969	0.280 7.1	9 229	24 610	13,750 2,406	Box	GREY	YES	20	NO
	SG-425	3,813 16.96	14.3 769	57 7,784	0.285 7.2	8 203	24 610	13,750 2,406	Box	GREY	YES	20	YES
	SG-300	3,120 13.88	11.7 629	41 5,599	0.250 6.4	7 178	12 305	13,750 2,406	Z	GREY	YES	20	YES
	SG-325	2,960 13.17	11.1 597	39 5,326	0.250 6.4	7 178	24 610	13,750 2,406	Box	GREY	YES	20	YES
	SG-225	1,920 8.54	7.2 387	18 2,458	0.225 5.7	5 127	18 457	11,000 1,925	Box	GREY	YES	15	YES
	CL-4500	1,547 6.88	5.8 312	13 1,775	0.215 5.5	4.5 114	12 305	11,000 1,925	Pan	GREY	YES	48	NO



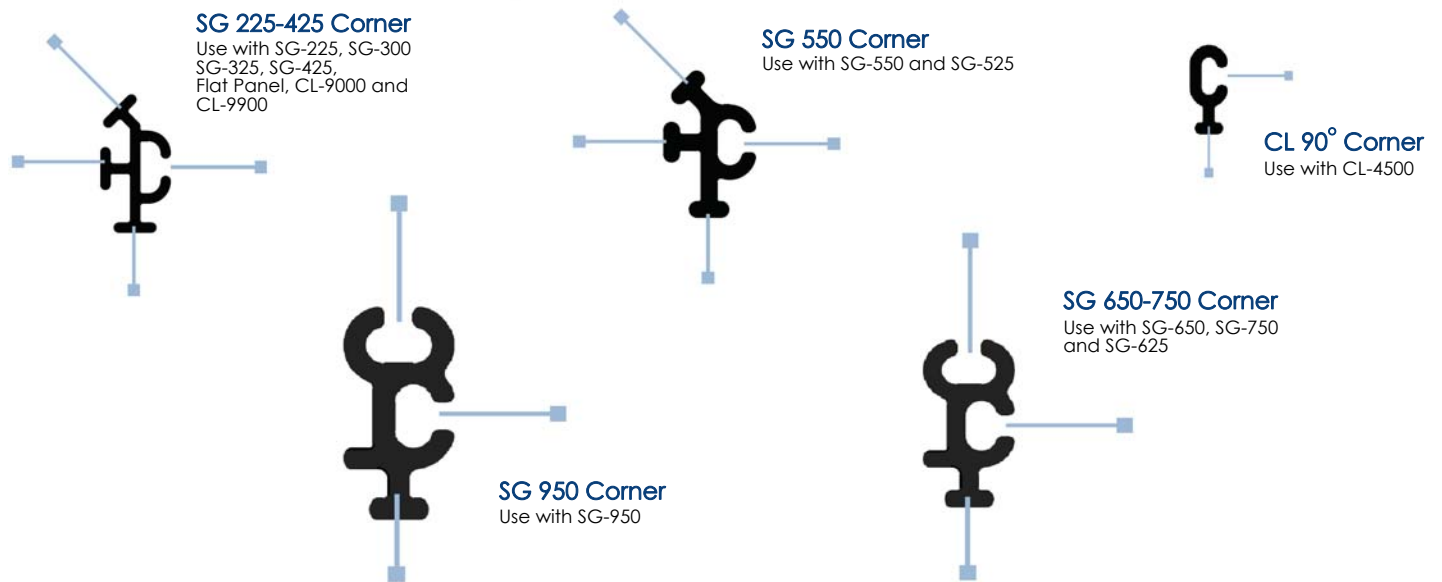
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Determining Bending Strength

Sample Vinyl Calculation: SG-650

$$\begin{aligned}
 M &= Z \times \sigma_{\text{allow}} \\
 &= 29.6 \text{ in}^3 / \text{ft} \times 3,200 \text{ psi} \\
 &= 94,720 \text{ in-lbs/ft} / 12 \text{ in/ft} \\
 &= 7,893 \text{ ft-lbs/ft}
 \end{aligned}$$

Corner Pieces for Sheet Piling



Capping Compatibility Chart

Profile	Related Sheet Piling
AW-575, AW-575 STR	SG-225, CL-4500
AW-850, AW-850 STR	SG-300, SG-325, SG-425, SG-550
AW-855, AW-855 STR	SG-300, SG-325, SG-425, SG-550
AW-1075, AW-1075 STR	SG-525, SG-625, SG-650, SG-750, CL-9000, CL-9900, Flat Panel
AW-1500	SG-950



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