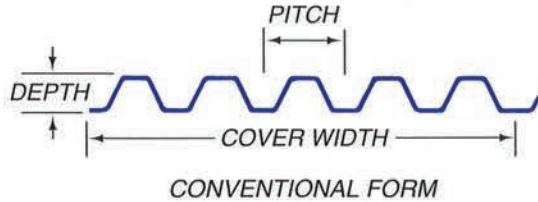


WHEELING BRIDGE DECKING



All deck forms are roll formed from various grades (see table) of Structural Quality Galvanized Sheet Steel conforming to ASTM Designation A-653. Finish is Hot Dipped Galvanized conforming to ASTM Designation A-924 Standard coating weight is G165. In highly corrosive environments, G235 is recommended.

Section Properties (per ft. of width)

GAGE (BASE METAL THICK- NESS)	FORM TYPE	8.5P	Strongweb	Super 8
	DEPTH	2"	2-1/2"	3"
	PITCH	8-1/2"	8"	8"
	COVER WIDTH	34"	32"	24"
22 .0299	Section Modulus In. ³	.276	.382	.453
	Moment of Inertia In. ⁴	.328	.518	.814
	Weight PSF	1.780	1.900	2.310
21 .0329	Section Modulus In. ³	.305	.420	.504
	Moment of Inertia In. ⁴	.367	.571	.923
	Weight PSF	1.950	2.080	2.530
20 .0359	Section Modulus In. ³	.334	.457	.554
	Moment of Inertia In. ⁴	.403	.623	1.026
	Weight PSF	2.110	2.250	2.740
19 .0418	Section Modulus In. ³	.390	.532	.652
	Moment of Inertia In. ⁴	.469	.726	1.230
	Weight PSF	2.440	2.600	3.170
18 .0478	Section Modulus In. ³	.446	.606	.754
	Moment of Inertia In. ⁴	.537	.831	1.413
	Weight PSF	2.810	2.950	3.670
17 .0538	Section Modulus In. ³	.501	.681	.848
	Moment of Inertia In. ⁴	.605	.936	1.592
	Weight PSF	3.150	3.300	4.110
16 .0598	Section Modulus In. ³	.556	.756	.942
	Moment of Inertia In. ⁴	.673	1.041	1.772
	Weight PSF	3.480	3.660	4.540
15 .0673	Section Modulus In. ³	.625	.849	
	Moment of Inertia In. ⁴	.758	1.182	
	Weight PSF	3.900	4.090	
14 .0747	Section Modulus In. ³	.692	.949	
	Moment of Inertia In. ⁴	.842	1.319	
	Weight PSF	4.320	4.530	

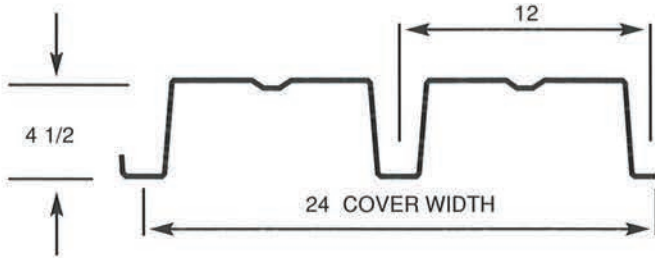
Allowable bending stress (F_b) = 0.725 F_y (19 gage and thinner are formed from Grade 80 steel — Greater thicknesses utilize Grade 40 steel.)

Other Wheeling Products for the Construction Industry

Steel Roof Deck • Form Deck • Composite Floor Deck



WHEELING BRIDGE DECKING



All deck forms are produced from Structural Quality Galvanized Sheet Steel conforming to ASTM Designation A-653. Finish is Hot Dipped Galvanized conforming to ASTM Designation A-924. Standard coating weight is G165. Other weights available.

Section Properties (English Units)

GAGE	WHEELING 4-1/2" DEEP BRIDGE FORM DECK			
	Thickness (in)	Sp (in ³ /ft)	Ip (in ⁴ /ft)	Weight (psf)
20	0.0359	0.744	2.060	2.87
19	0.0418	0.877	2.480	3.30
18	0.0478	1.009	2.921	3.74
17	0.0538	1.169	3.483	4.17
16	0.0598	1.309	3.873	4.61

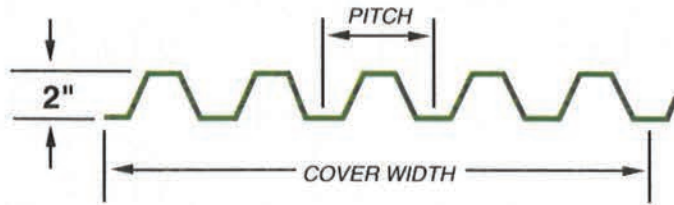
Allowable bending stress (Fb) = 0.725 Fy
 20 Ga thru 18 Ga formed from A-653 Grade 50 or Grade 80 Steel.
 17 Ga thru 16 Ga formed from A-653 Grade 40 Steel.

Other Wheeling Products for the Construction Industry
 Steel Roof Deck • Form Deck • Composite Floor Deck



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WHEELING BRIDGE DECKING



All deck forms are produced from Structural Quality Galvanized Sheet Steel conforming to ASTM Designation A-653. Finish is Hot Dipped Galvanized conforming to ASTM Designation A-924. Standard coating weight is G165. Other weights available.

Manufacturing Location: Beech Bottom, W.V.

Section Properties (per ft. of width)

GAGE (BASE METAL THICKNESS)	FORM TYPE	50N	55N	60N	65N	70N	75N	80N
	DEPTH	2"						
	PITCH	5"	5 1/2"	6"	6 1/2"	7"	7 1/2"	8"
	COVER WIDTH	25"	27 1/2"	30"	26"	28"	30"	32"
22 .0299	Section Modulus in. ³	.281	.268	.252	.236	.221	.208	.196
	Moment of Inertia In. ⁴	.342	.333	.314	.297	.278	.262	.247
	Weight PSF	2.140	2.050	1.900	1.960	1.910	1.880	1.850
21 .0329	Section Modulus in. ³	.316	.304	.286	.269	.253	.238	.224
	Moment of Inertia In. ⁴	.376	.374	.354	.335	.315	.296	.280
	Weight PSF	2.260	2.150	2.080	2.150	2.100	2.060	2.000
20 .0359	Section Modulus in. ³	.350	.341	.322	.304	.286	.269	.254
	Moment of Inertia In. ⁴	.411	.416	.394	.375	.353	.332	.314
	Weight PSF	2.440	2.350	2.260	2.340	2.280	2.240	2.220
19 .0418	Section Modulus in. ³	.407	.415	.396	.376	.354	.334	.316
	Moment of Inertia In. ⁴	.479	.495	.476	.455	.429	.405	.383
	Weight PSF	2.800	2.630	2.540	2.620	2.550	2.500	2.450
18 .0478	Section Modulus in. ³	.465	.493	.475	.453	.429	.405	.384
	Moment of Inertia In. ⁴	.548	.564	.561	.539	.510	.483	.457
	Weight PSF	3.150	3.000	2.900	3.000	2.930	2.860	2.830
17 .0538	Section Modulus in. ³	.522	.570	.557	.534	.507	.481	.456
	Moment of Inertia In. ⁴	.618	.635	.646	.624	.593	.563	.534
	Weight PSF	3.690	3.520	3.260	3.370	3.290	3.230	3.180
16 .0598	Section Modulus in. ³	.580	.632	.664	.646	.619	.590	.557
	Moment of Inertia In. ⁴	.687	.707	.715	.726	.696	.665	.635
	Weight PSF	4.090	3.900	3.620	3.740	3.650	3.580	3.530
15 .0673	Section Modulus in. ³	.651	.710	.758	.758	.716	.673	.634
	Moment of Inertia In. ⁴	.775	.796	.805	.814	.806	.775	.743
	Weight PSF	4.580	4.370	4.050	4.190	4.090	4.000	3.950
14 .0747	Section Modulus in. ³	.722	.786	.840	.854	.802	.754	.711
	Moment of Inertia In. ⁴	.861	.885	.895	.904	.899	.884	.850
	Weight PSF	5.050	4.840	4.490	4.640	4.530	4.430	4.370

22 Ga thru 17 Ga formed from A-653 Grade 50 or Grade 80 Steel.
16 Ga thru 14 Ga formed from A-653 Grade 40 Steel.

Other Wheeling Products for the Construction Industry

Steel Roof Deck • Form Deck • Composite Floor Deck



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