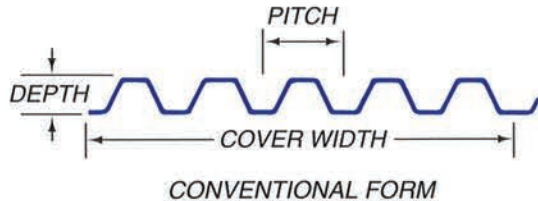


WHEELING BRIDGE DECKING



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 (Metric)

GAGE (BASE METAL THICK- NESS)	FORM TYPE	216	Strongweb	Super 8
	DEPTH (mm)	51	64	76
	PITCH (mm)	216	203	203
	COVER WIDTH (mm)	864	813	610
22 .759mm	Section Modulus mm ³ /mm	14.84	20.54	24.35
	Moment of Inertia mm ⁴ /mm	447.90	707.40	1111.60
	Weight kg/m ²	8.69	9.28	11.28
21 .836mm	Section Modulus mm ³ /mm	16.40	22.58	27.10
	Moment of Inertia mm ⁴ /mm	501.20	779.80	1260.40
	Weight kg/m ²	9.52	10.15	12.35
20 .912mm	Section Modulus mm ³ /mm	17.96	24.57	29.78
	Moment of Inertia mm ⁴ /mm	550.30	850.80	1401.10
	Weight kg/m ²	10.30	10.98	13.38
19 1.062mm	Section Modulus mm ³ /mm	20.97	28.60	35.05
	Moment of Inertia mm ⁴ /mm	640.50	991.40	1679.70
	Weight kg/m ²	11.91	12.69	15.48
18 1.214mm	Section Modulus mm ³ /mm	23.98	32.58	40.54
	Moment of Inertia mm ⁴ /mm	733.30	1134.80	1929.60
	Weight kg/m ²	13.72	14.40	17.91
17 1.367mm	Section Modulus mm ³ /mm	26.94	36.61	45.59
	Moment of Inertia mm ⁴ /mm	826.20	1278.20	2174.00
	Weight kg/m ²	15.38	16.11	20.07
16 1.519mm	Section Modulus mm ³ /mm	29.89	40.65	50.65
	Moment of Inertia mm ⁴ /mm	919.00	1421.60	2419.80
	Weight kg/m ²	16.99	17.87	22.17

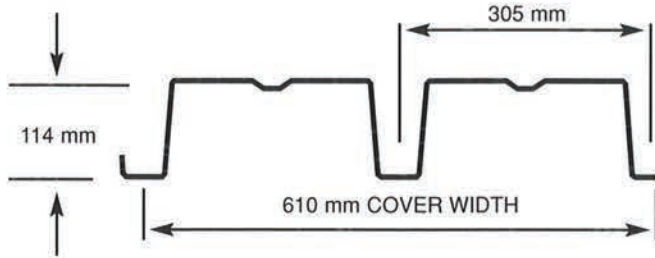
Allowable bending stress (F_b) = 0.725 F_y (19 gage and thinner are formed from Grade 550 steel — Greater thicknesses utilize Grade 275 steel.)

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 (Metric Units)

GAGE	WHEELING 4-1/2" DEEP BRIDGE FORM DECK			
	Thickness (mm)	Sp (mm ³ /mm)	Ip (mm ⁴ /mm)	Weight (kg/m ²)
20	0.912	40.00	2814.21	14.00
19	1.062	47.15	3387.98	16.11
18	1.214	54.25	3990.44	18.26
17	1.367	62.85	4758.20	20.36
16	1.519	70.38	5290.98	22.51

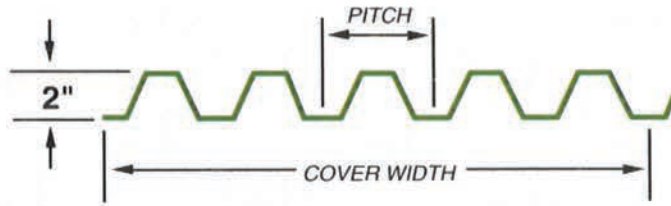
Allowable bending stress (Fb) = 0.725 Fy
 20 Ga thru 18 Ga formed from A-653 Grade 550 Steel.
 17 Ga thru 16 Ga formed from A-653 Grade 275 Steel.

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



EXECUTIVE OFFICES - 1134 MARKET ST., WHEELING WV 26003 304-234-2326

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 (metric)

GAGE (BASE METAL THICKNESS)	FORM TYPE	50N	55N	60N	65N	70N	75N	80N
	DEPTH (mm)	51						
	PITCH (mm)	127	140	152	165	178	191	203
	COVER WIDTH (mm)	635	699	762	660	711	762	813
22 .759mm	Section Modulus mm ³ /mm	15.11	14.41	13.55	12.69	11.88	11.18	10.54
	Moment of Inertia mm ⁴ /mm	467.03	454.74	428.79	405.58	379.63	357.78	337.30
	Weight kg/m ²	10.45	10.00	9.28	9.57	9.32	9.18	9.03
21 .836mm	Section Modulus mm ³ /mm	16.99	16.34	15.38	14.46	13.60	12.80	12.04
	Moment of Inertia mm ⁴ /mm	431.53	510.73	483.42	457.47	430.16	404.21	382.36
	Weight kg/m ²	11.03	10.50	10.16	10.50	10.25	10.06	9.76
20 .912mm	Section Modulus mm ³ /mm	18.82	18.34	17.31	16.34	15.38	14.46	13.66
	Moment of Inertia mm ⁴ /mm	561.26	568.08	538.04	512.10	482.05	453.37	428.79
	Weight kg/m ²	11.91	11.47	11.03	11.42	11.13	10.94	10.84
19 1.062mm	Section Modulus mm ³ /mm	21.88	22.31	21.29	20.22	19.03	17.96	16.99
	Moment of Inertia mm ⁴ /mm	654.12	675.97	650.02	621.34	585.84	553.06	523.02
	Weight kg/m ²	13.67	12.84	12.40	12.79	12.45	12.21	11.96
18 1.214mm	Section Modulus mm ³ /mm	25.00	26.51	25.54	24.35	23.06	21.77	20.65
	Moment of Inertia mm ⁴ /mm	748.34	770.19	766.10	736.05	696.45	659.58	624.07
	Weight kg/m ²	15.38	14.65	14.16	14.65	14.31	13.96	13.82
17 1.367mm	Section Modulus mm ³ /mm	28.06	30.65	29.95	28.71	27.26	25.86	24.52
	Moment of Inertia mm ⁴ /mm	843.93	867.15	882.17	852.13	809.80	768.83	729.22
	Weight kg/m ²	18.02	17.18	15.92	16.45	16.06	15.77	15.53
16 1.519mm	Section Modulus mm ³ /mm	31.18	33.98	35.70	34.73	33.28	31.72	29.95
	Moment of Inertia mm ⁴ /mm	938.16	965.47	976.40	991.42	950.45	908.12	867.15
	Weight kg/m ²	19.97	19.04	17.67	18.26	17.82	17.48	17.23
15 1.709mm	Section Modulus mm ³ /mm	35.00	38.17	40.75	40.75	38.49	36.18	34.09
	Moment of Inertia mm ⁴ /mm	1058.33	1087.00	1099.30	1111.59	1100.66	1058.33	1014.63
	Weight kg/m ²	22.36	21.34	19.77	20.46	19.97	19.53	19.28
14 1.897mm	Section Modulus mm ³ /mm	38.82	42.26	45.16	45.91	43.12	40.54	38.23
	Moment of Inertia mm ⁴ /mm	1175.77	1208.54	1222.20	1234.50	1227.66	1207.18	1160.75
	Weight kg/m ²	24.66	23.63	21.92	22.65	22.12	21.63	21.34

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



EXECUTIVE OFFICES - 1134 MARKET ST., WHEELING, WV 26003 304-234-2326