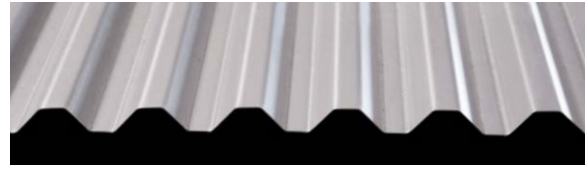
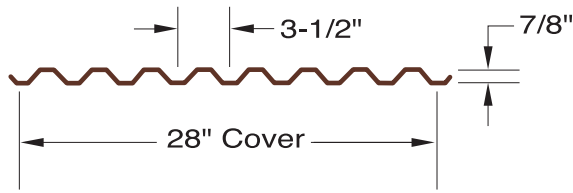


FORM DECK TYPE "HD" (HEAVY DUTY FORM DECK)



Section Properties (Fy=80 ksi)

Helpful Hint: Heavy Duty form deck is used when the spans and loads exceed the capability of standard form deck.

Gage	Design Thickness	Weight (psf) Glv	Ip(In ⁴)	In(In ⁴)	Sp(In ³)	Sn(In ³)
26	.0179	1.10	0.0288	0.0288	0.0601	0.0605
24	.0238	1.40	0.0387	0.0386	0.0855	0.0855
22	.0295	1.60	0.048	0.048	0.1059	0.106
20	.0358	2.03	0.0583	0.0583	0.1277	0.1278

- Section properties calculated in accordance with AISI specifications

Maximum Construction Clear Spans

Slab Depth	Gage	Weight PSF	NW Concrete 145 PCF			Weight PSF	LW Concrete 110 PCF		
			1 Span	2 Span	3 Span		1 Span	2 Span	3 Span
2.5"	26	24	3-5	4-6	4-6	18	3-9	4-10	4-11
	24	24	4-7	5-11	6-1	18	4-11	6-5	6-5
	22	24	5-4	7-0	7-1	19	5-8	7-5	7-7
	20	25	6-0	7-11	7-5	19	6-6	8-7	8-1
3.0"	26	30	3-4	4-4	4-5	23	3-6	4-7	4-8
	24	30	4-3	5-8	5-9	23	4-7	6-1	6-1
	22	30	4-11	6-7	6-7	23	5-5	7-1	7-2
	20	31	5-8	7-6	6-11	24	6-1	8-1	7-6
3.5"	26	36	3-2	4-2	4-3	27	3-5	4-5	4-6
	24	36	4-1	5-5	5-6	28	4-4	5-9	5-10
	22	36	4-9	6-3	6-1	28	5-1	6-9	6-8
	20	37	5-4	7-1	6-6	28	5-10	7-9	7-1
4.0"	26	42	3-0	4-0	4-1	32	3-3	4-3	4-4
	24	42	3-11	5-2	5-3	32	4-3	5-7	5-8
	22	42	4-6	6-0	5-10	32	4-11	6-6	6-5
	20	43	5-1	6-9	6-2	33	5-6	7-5	6-9
4.5"	26	48	2-11	3-10	3-11	36	3-2	4-2	4-3
	24	48	3-9	4-11	5-0	37	4-0	5-4	5-5
	22	49	4-3	5-9	5-7	37	4-8	6-3	6-1
	20	49	4-10	6-6	5-11	37	5-4	7-1	6-6
5.0"	26	54	2-10	3-9	3-9	41	3-1	4-0	4-1
	24	54	3-7	4-10	4-10	41	3-11	5-2	5-3
	22	55	4-1	5-4	5-4	42	4-6	6-0	5-10
	20	55	4-8	6-3	5-8	42	5-1	6-10	6-2
5.5"	26	60	2-9	3-8	3-8	46	2-11	3-11	3-11
	24	60	3-6	4-8	4-8	46	3-9	5-0	5-1
	22	61	3-11	5-4	5-2	46	4-4	5-10	5-8
	20	61	4-5	6-0	5-6	46	4-11	6-8	6-2

For the latest SDI standards and publications, please visit: sdi.org

FORM TYPE "HD" (HEAVY DUTY FORM DECK) continued...

Span Condition	Gage	Design Criteria	Uniform Total Load in Pounds Per Square Foot (Dead and Live)								
			3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"
One	26	36000	165	121	93	73	59	49	41		
		L/240	74	46	31	22					
		L/180	99	62	41	29					
	24	36000	235	172	132	104	84	69	58		
		L/240	99	62	41	29	21				
		L/180	132	83	55	39	28				
	22	36000		214	163	129	104	86			
		L/240		77	52	36	26	20			
		L/180		103	69	48	35	26			
	20	36000			197	156	126	104			
		L/240			63	44	32	24			
		L/180			84	59	43	32			
Two	26	36000	171	125	96	76	61	50	42	36	31
		L/240	*	112	75	53	38	29	22		
		L/180	*	*	*	70	51	38	29		
	24	36000	233	171	131	103	84	69	58	49	42
		L/240	*	150	100	70	51	38	29	23	
		L/180	*	200	134	94	68	51	39		
	22	36000		211	162	128	103	85	72	61	52
		L/240		187	125	88	64	48	37	29	23
		L/180		*	167	117	85	64	49	38	31
	20	36000			196	154	125	103	87	74	64
		L/240			152	106	77	58	45	35	28
		L/180			*	142	103	78	60	47	37
Three or More	26	36000	213	157	120	95	77	63	53		
		L/240	140	88	59	41	30	22			
		L/180	187	118	79	55	40	30			
	24	36000		214	164	129	105	86	72	62	53
		L/240		118	79	55	40	30	23		
		L/180		157	105	74	54	40	31		
	22	36000		264	202	160	129	107	90	76	
		L/240		146	98	69	50	37	29	22	
		L/180		195	131	92	67	50	38	30	
	20	36000			245	193	156	129	108	92	80
		L/240			119	84	61	46	35	27	22
		L/180			159	112	81	61	47	37	29

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