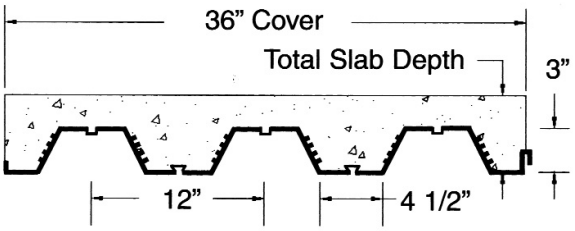
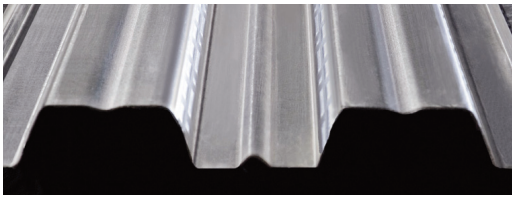
3" COMPOSITE DECK *LIGHTWEIGHT CONCRETE (115 pcf)*





Helpful Hint: 3" Composite deck is used when the spans and loads exceed the capability of 1 1/2" and 2" Composite deck.

Section Properties (Fy=40 ksi)

Gage	Design Thickness	Weight (psf)Glv	Ip(In^4)	Sp(In^3)	Sn(In^3)
22	.0295	1.75	0.774	0.435	0.460
20	.0358	2.03	0.968	0.559	0.582
18	.0474	2.75	1.277	0.780	0.780
16	.0598	3.50	1.614	0.991	0.986

- Section properties calculated in accordance with AISI specifications

Slab Depth	Gage	Max Unshored Clear Span			Superimposed Live Load in Pounds Per Square Foot										
		One	Two	Three	9'-0"	9'-6"	10'-0"	10'-6"	11'-0"	11'-6"	12'-0"	12'-6"	13'-0"	13'-6"	14'-0"
5.5"	22	8-7	11-1	11-5	134	118	105	93	83	74	67	60	54	48	44
	20	9-11	12-5	12-10	191	172	135	120	108	97	88	79	72	65	59
	18	12-0	14-4	14-10	261	234	211	192	174	160	147	115	104	95	87
	16	13-9	16-0	16-5	334	300	271	246	224	205	188	173	160	149	117
6.0"	22	8-2	10-4	10-6	150	132	117	104	93	83	75	67	60	54	49
	20	9-6	12-0	12-5	214	170	151	135	121	109	98	89	80	73	66
	18	11-6	13-9	14-3	292	262	237	215	196	156	142	129	117	107	98
	16	13-1	15-5	15-11	375	337	304	276	251	230	211	195	180	144	132
6.25"	22	8-0	10-0	10-2	158	139	124	110	98	88	79	71	63	57	51
	20	9-4	11-9	12-2	226	179	159	142	128	115	103	94	85	77	70
	18	11-3	13-6	14-0	309	277	250	227	207	165	150	136	124	113	104
	16	12-10	15-2	15-8	397	356	321	291	266	243	223	206	166	152	140
6.5"	22	7-10	9-8	9-10	166	147	130	116	103	92	83	74	67	60	54
	20	9-1	11-7	11-11	238	189	168	150	134	121	109	99	89	81	73
	18	11-0	13-4	13-9	325	292	263	239	218	174	158	143	131	119	109
	16	12-7	14-11	15-5	400	375	339	307	280	256	235	217	175	160	147
7.25"	22	7-1	8-9	8-11	192	169	150	133	119	107	96	86	77	70	63
	20	8-7	11-0	11-5	246	218	194	173	155	140	126	114	103	94	85
	18	10-5	12-8	13-1	376	338	305	248	223	202	183	166	152	138	127
	16	11-10	14-2	14-8	400	400	393	356	325	297	244	222	203	186	171

Notes:
1. Load tables are calculated using section properties based on the steel design thickness shown in the Steel Deck Institute (SDI) design manual.
2. Minimum exterior bearing length requried is 1.5 inches. Minimum interior bearing length is 3 inches. If these minimum lengths are not provided, web crippling must be checked.

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