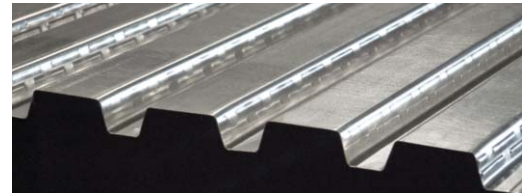
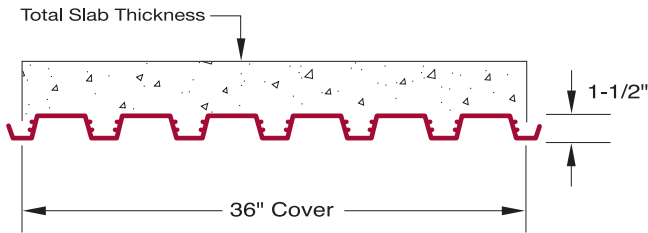


# 1 1/2" COMPOSITE DECK NORMAL WEIGHT CONCRETE (145 pcf)



30" Cover and Integral Hangar Tabs also available

## Section Properties (Fy=40 ksi)

Gage	Design Thickness	Weight (psf) Glv	Ip (In <sup>4</sup> )	In (In <sup>4</sup> )	Sp (In <sup>3</sup> )	Sn (In <sup>3</sup> )
22	.0295	1.61	0.1536	0.1888	0.1818	0.1902
20	.0358	2.04	0.2	0.2301	0.23	0.2433
18	.0474	2.70	0.2903	0.3061	0.3134	0.3256
16	.0598	3.20	0.3869	0.3869	0.4029	0.4104

Helpful Hint: 1-1/2" Composite deck is used when the slab and support to support distance are both moderate in size.

- 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	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	
4.0"	22	5'-3"	6'-12"	7'-0"	400	397	329	276	234	200	173	150	130	114	100	
	20	6'-1"	8'-1"	8'-3"	400	400	395	332	283	242	210	182	160	140	124	
	18	7'-4"	9'-7"	9'-11"	400	400	400	400	347	298	259	226	198	175	155	
	16	8'-6"	10'-9"	11'-1"	400	400	400	400	376	324	281	246	216	191	169	
4.5"	22	5'-4"	7'-2"	7'-3"	400	400	400	340	289	247	213	185	162	142	125	
	20	6'-3"	8'-4"	8'-5"	400	400	400	400	349	299	259	226	198	174	154	
	18	7'-7"	9'-10"	10'-2"	400	400	400	400	400	369	320	280	246	217	193	
	16	8'-9"	10'-12"	11'-4"	400	400	400	400	400	400	349	305	268	237	211	
5.0"	22	4'-9"	6'-4"	6'-5"	400	400	400	400	345	296	255	222	194	170	150	
	20	5'-6"	7'-4"	7'-5"	400	400	400	400	400	358	310	271	237	209	185	
	18	6'-7"	8'-8"	8'-12"	400	400	400	400	400	400	384	336	295	261	232	
	16	7'-8"	9'-9"	10'-1"	400	400	400	400	400	400	400	367	324	286	255	
5.5"	22	4'-6"	6'-1"	6'-2"	400	400	400	400	400	345	298	260	227	199	176	
	20	5'-3"	7'-1"	7'-2"	400	400	400	400	400	400	363	317	278	245	217	
	18	6'-3"	8'-4"	8'-7"	400	400	400	400	400	400	400	394	347	307	273	
	16	7'-3"	9'-4"	9'-8"	400	400	400	400	400	400	400	400	380	337	300	
6.0"	22	4'-4"	5'-10"	5'-11"	400	400	400	400	400	396	342	298	261	229	202	
	20	5'-0"	6'-9"	6'-10"	400	400	400	400	400	400	400	400	364	320	282	250
	18	6'-0"	8'-0"	8'-3"	400	400	400	400	400	400	400	400	400	399	353	314
	16	6'-12"	8'-12"	9'-3"	400	400	400	400	400	400	400	400	400	400	389	346

- 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 required is 1.5 inches. Minimum interior bearing length is 3 inches. If these minimum lengths are not provided, web crippling must be checked.

For the latest SDI standards and publications, please visit: [sdi.org](http://sdi.org)

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