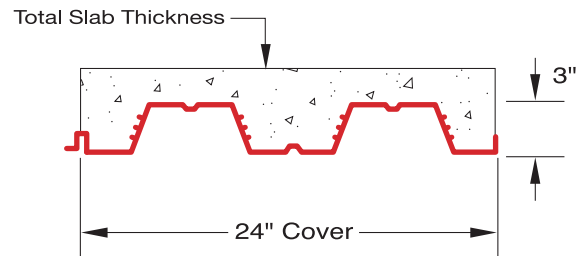
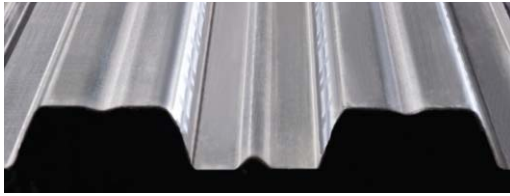


3" COMPOSITE DECK

(NORMAL WEIGHT CONCRETE - 145 pcf)



3" Composite deck is used when the spans and loads exceed the capabilities of 1-1/2" and 2" Composite deck.



36" Cover and Integral Hangar Tabs also available

Section Properties (Fy=40 ksi)

Gage	Design Thickness	Weight (psf) Glv	I _p (In ⁴)	I _n (In ⁴)	S _p (In ³)	S _n (In ³)
22	.0295	1.75	0.7744	0.7467	0.4182	0.4584
20	.0358	2.03	0.9659	0.9369	0.5315	0.5634
18	.0474	2.75	1.2947	1.2659	0.7474	0.7548
16	.0598	3.50	1.6351	1.5984	0.9869	0.9558

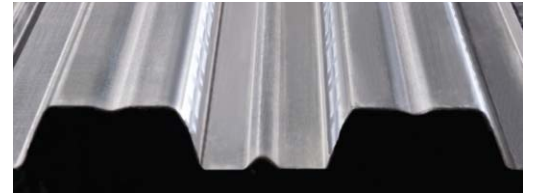
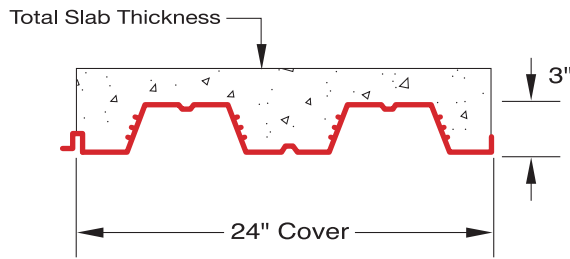
- Section properties calculated in accordance with AISI specifications

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	7'-10"	7'-5"	7'-9"	202	177	156	138	123	109	97	86	77	69	61
	20	9'-0"	10'-7"	11'-0"	247	218	193	172	153	137	122	110	99	89	80
	18	10'-11"	13'-2"	13'-8"	327	289	257	230	206	185	167	151	136	124	112
	16	12'-9"	14'-9"	15'-3"	400	361	322	288	259	234	212	192	174	159	145
6.0"	22	7'-6"	6'-10"	7'-1"	234	206	181	161	143	127	113	101	90	81	72
	20	8'-7"	9'-9"	10'-2"	287	253	224	199	178	159	143	128	115	104	94
	18	10'-5"	12'-7"	13'-1"	378	335	298	267	239	215	194	175	159	144	131
	16	12'-2"	14'-2"	14'-8"	400	400	373	335	301	272	246	223	203	185	169
6.5"	22	7'-2"	6'-4"	6'-7"	268	235	208	184	164	146	130	116	104	93	83
	20	8'-3"	8'-12"	9'-4"	328	289	256	228	204	182	164	147	133	120	108
	18	9'-12"	12'-2"	12'-7"	400	384	342	306	274	247	223	202	183	166	151
	16	11'-7"	13'-7"	14'-1"	400	400	400	384	345	312	283	257	234	213	195
7.0"	22	6'-12"	5'-10"	6'-1"	302	266	235	209	185	165	148	132	118	106	95
	20	8'-0"	8'-4"	8'-8"	370	327	290	258	231	207	186	167	151	136	123
	18	9'-8"	11'-8"	12'-1"	400	400	387	346	310	280	253	229	208	189	172
	16	11'-3"	13'-2"	13'-7"	400	400	400	400	391	354	321	291	265	242	222
7.5"	22	6'-10"	5'-6"	5'-9"	338	298	263	234	208	185	166	148	133	119	107
	20	7'-10"	7'-10"	8'-1"	400	366	325	289	259	232	208	188	169	153	138
	18	9'-5"	11'-3"	11'-8"	400	400	400	387	348	314	283	257	233	212	193
	16	11'-0"	12'-8"	13'-2"	400	400	400	400	400	397	360	327	298	272	249

- 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.



3" Composite deck is used when the spans and loads exceed the capabilities of 1-1/2" and 2" Composite deck.



36" Cover and Integral Hangar Tabs also available

Section Properties (Fy=40 ksi)

Gage	Design Thickness	Weight (psf) Glv	I _p (In ⁴)	I _n (In ⁴)	S _p (In ³)	S _n (In ³)
22	.0295	1.75	0.7744	0.7467	0.4182	0.4584
20	.0358	2.03	0.9659	0.9369	0.5315	0.5634
18	.0474	2.75	1.2947	1.2659	0.7474	0.7548
16	.0598	3.50	1.6351	1.5984	0.9869	0.9558

- 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"	8'-9"	9'-1"	201	177	157	139	124	111	100	89	80	72	65
	20	9'-11"	12'-4"	12'-9"	244	216	192	171	153	137	124	112	101	91	83
	18	12'-1"	14'-3"	14'-9"	318	283	252	226	203	183	166	150	136	124	113
	16	14'-1"	16'-0"	16'-5"	393	350	312	280	253	229	207	189	172	157	144
6.0"	22	8'-3"	8'-1"	8'-5"	233	205	182	162	145	129	116	104	94	85	76
	20	9'-6"	11'-6"	11'-11"	283	250	222	199	178	160	144	130	118	107	97
	18	11'-6"	13'-9"	14'-2"	369	328	293	262	236	213	193	175	159	145	132
	16	13'-5"	15'-5"	15'-11"	400	400	363	326	294	266	241	220	200	183	168
6.25"	22	8'-1"	7'-9"	8'-1"	249	220	195	174	155	139	125	112	101	91	82
	20	9'-3"	11'-1"	11'-6"	303	268	239	213	191	172	155	140	127	115	104
	18	11'-3"	13'-6"	13'-11"	396	351	314	281	253	228	207	188	171	156	142
	16	13'-1"	15'-1"	15'-7"	400	400	389	350	315	285	259	236	215	197	180
6.5"	22	7'-11"	7'-6"	7'-10"	266	235	209	186	166	149	134	120	108	98	88
	20	9'-1"	10'-8"	11'-1"	324	286	255	228	204	184	166	150	135	123	112
	18	10'-12"	13'-3"	13'-8"	400	376	335	301	270	244	221	201	183	167	152
	16	12'-10"	14'-10"	15'-4"	400	400	400	374	337	305	277	252	230	211	193
7.25"	22	7'-5"	6'-9"	7'-1"	319	282	250	223	200	179	161	145	131	118	107
	20	8'-7"	9'-8"	10'-0"	388	343	306	273	245	221	199	180	163	148	135
	18	10'-4"	12'-7"	12'-12"	400	400	400	361	325	294	266	242	220	201	184
	16	12'-1"	14'-1"	14'-7"	400	400	400	400	400	368	334	304	278	255	234

- 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.