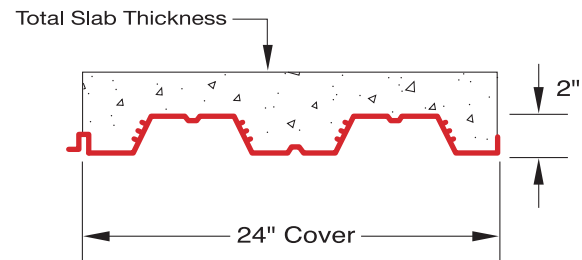


2" COMPOSITE DECK

(NORMAL WEIGHT CONCRETE - 145 pcf)



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



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	1.65	0.3233	0.3147	0.2547	0.278
20	.0358	2.05	0.4047	0.4	0.3248	0.3641
18	.0474	2.70	0.5585	0.555	0.4615	0.4984
16	.0598	3.30	0.7145	0.7018	0.6154	0.6328

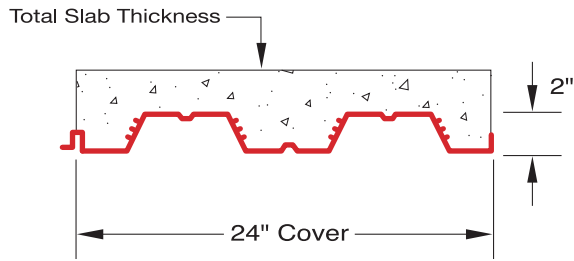
- Section properties calculated in accordance with AISI specifications

Slab Depth	Gage	Max Unshored Clear Span			Superimposed Live Load in Pounds Per Square Foot										
		One	Two	Three	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	10'-6"	11'-0"	11'-6"	12'-0"
4.5"	22	6'-1"	8'-3"	8'-4"	296	254	219	190	166	146	128	113	100	89	79
	20	7'-1"	9'-7"	9'-8"	358	308	267	232	204	179	159	141	125	112	100
	18	8'-9"	11'-2"	11'-7"	400	400	350	306	269	238	212	189	169	152	137
	16	10'-4"	12'-7"	13'-0"	400	400	400	380	335	298	265	237	213	192	174
5.0"	22	5'-10"	7'-6"	7'-10"	352	302	261	227	198	174	153	136	120	107	95
	20	6'-9"	9'-2"	9'-3"	400	366	317	277	243	214	189	168	150	134	120
	18	8'-3"	10'-8"	11'-1"	400	400	400	365	321	284	253	226	202	182	164
	16	9'-9"	12'-0"	12'-5"	400	400	400	400	400	355	317	284	255	230	208
5.5"	22	5'-7"	6'-11"	7'-2"	400	351	304	264	231	203	179	159	141	125	112
	20	6'-5"	8'-9"	8'-10"	400	400	369	322	283	250	221	197	175	157	141
	18	7'-11"	10'-3"	10'-7"	400	400	400	400	375	332	295	264	237	213	192
	16	9'-4"	11'-6"	11'-11"	400	400	400	400	400	400	371	332	299	270	244
6.0"	22	5'-4"	6'-5"	6'-8"	400	400	347	302	265	233	206	182	162	144	129
	20	6'-2"	8'-5"	8'-6"	400	400	400	369	324	286	254	226	202	180	162
	18	7'-7"	9'-10"	10'-2"	400	400	400	400	400	381	339	303	272	245	221
	16	8'-11"	11'-1"	11'-5"	400	400	400	400	400	400	400	382	344	311	281
6.5"	22	5'-3"	5'-11"	6'-2"	400	400	392	342	299	263	233	206	183	163	146
	20	6'-0"	8'-1"	8'-2"	400	400	400	400	367	324	287	256	228	205	184
	18	7'-5"	9'-6"	9'-9"	400	400	400	400	400	400	384	344	309	278	251
	16	8'-8"	10'-8"	11'-0"	400	400	400	400	400	400	400	400	390	353	320

- 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.



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



Integral Hangar Tabs also available



Section Properties (Fy=40 ksi)

Gage	Design Thickness	Weight (pcf) Glv	I _p (In ⁴)	I _n (In ⁴)	S _p (In ³)	S _n (In ³)
22	.0295	1.65	0.3233	0.3147	0.2547	0.278
20	.0358	2.05	0.4047	0.4	0.3248	0.3641
18	.0474	2.70	0.5585	0.555	0.4615	0.4984
16	.0598	3.30	0.7145	0.7018	0.6154	0.6328

- 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	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	10'-6"	11'-0"	11'-6"	12'-0"
4.5"	22	6'-8"	8'-11"	9'-0"	291	250	216	189	165	146	129	114	102	91	81
	20	7'-9"	10'-4"	10'-6"	349	301	261	228	201	177	157	140	125	112	101
	18	9'-7"	12'-1"	12'-6"	400	390	339	297	262	233	207	186	167	150	136
	16	11'-4"	13'-7"	13'-9"	400	400	400	366	324	288	257	230	200	175	154
5.0"	22	6'-4"	8'-6"	8'-8"	346	297	258	225	197	174	154	137	122	109	98
	20	7'-4"	9'-11"	10'-1"	400	358	311	272	239	212	188	168	150	135	121
	18	9'-1"	11'-7"	10'-12"	400	400	400	355	313	278	248	222	200	180	163
	16	10'-9"	13'-0"	13'-4"	400	400	400	400	387	344	308	276	249	225	204
5.25"	22	6'-3"	8'-4"	8'-5"	374	322	279	243	214	189	167	149	133	119	106
	20	7'-2"	9'-9"	9'-10"	400	388	337	295	259	229	204	182	163	146	132
	18	8'-11"	11'-4"	11'-9"	400	400	400	385	340	301	269	241	217	195	177
	16	10'-6"	12'-9"	13'-2"	400	400	400	400	400	374	334	300	270	244	222
5.5"	22	6'-1"	8'-2"	8'-3"	400	347	301	262	230	203	180	160	143	128	115
	20	7'-1"	9'-6"	9'-8"	400	400	363	318	280	248	220	197	176	158	143
	18	8'-8"	11'-1"	11'-6"	400	400	400	400	366	325	290	260	234	211	191
	16	10'-3"	12'-6"	12'-11"	400	400	400	400	400	400	361	324	292	264	240
6.25"	22	5'-9"	7'-4"	7'-7"	400	400	367	321	282	249	221	197	176	157	141
	20	6'-8"	9'-0"	9'-1"	400	400	400	389	342	303	270	241	216	194	175
	18	8'-2"	10'-6"	10'-11"	400	400	400	400	400	399	356	320	288	260	235
	16	9'-7"	11'-10"	12'-3"	400	400	400	400	400	400	399	360	326	296	

- 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.