

COMSLAB®

IMPERIAL 

LOAD TABLES

CS210 - 18Ga

COMSLAB CS210 Load Table

Imperial Units

10M Rebar

Normal Weight Concrete: 147 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	53.7	59.8	65.9	72.1	78.2	84.3	90.4	96.5
VOLUME (yd ³ /100ft ²)	1.26	1.41	1.57	1.72	1.88	2.03	2.19	2.34
φMn (kip-ft/ft)	11.4	12.3	13.1	14.0	14.8	15.6	16.5	17.3
φVn (kip/ft)	4.99	5.38	5.78	6.20	6.63	7.07	7.53	8.00
Iu (in ⁴ /ft)	69.1	79.2	90.0	101.6	114.3	128.0	143.0	159.4
Ic (in ⁴ /ft)	24.2	27.0	30.1	33.4	36.9	40.7	44.6	48.8
Id (in ⁴ /ft)	46.7	53.1	60.1	67.5	75.6	84.4	93.8	104.1
SLDP	733	834	943	1060	1187	1325	1473	1635
SWDP	0.594	0.577	0.560	0.542	0.523	0.503	0.483	0.463
SLAB THICKNESS (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	267	284	302	320	337	355	373	390
14.5	246	262	278	294	310	326	342	358
15.0	227	241	256	271	285	300	315	330
15.5	209	223	236	250	263	277	290	304
16.0	194	206	218	231	243	255	268	280
16.5	180	191	202	213	225	236	247	258
17.0	167	177	187	197	208	218	228	239
17.5	155	164	174	183	192	202	211	221
18.0	144	152	161	170	178	187	196	204
18.5	134	142	149	157	165	173	181	189
19.0	124	132	139	146	153	161	168	175
19.5	116	122	129	136	142	149	156	162
20.0	108	114	120	126	132	138	144	150
20.5	101	106	112	117	123	128	134	139
21.0	94	99	104	109	114	119	124	129
21.5	87	92	96	101	106	110	115	119
22.0	81	86	90	94	98	102	106	110
22.5	76	80	83	87	91	94	98	102
23.0	71	74	77	81	84	87	91	94
23.5	66	69	72	75	78	81	84	87
24.0	61	64	67	69	72	74	77	80
24.5	57	59	62	64	66	69	71	73
25.0	53	55	57	59	61	63	65	67
25.5	49	51	53	54	56	58	60	61
26.0	46	47	49	50	52	53	55	56
26.5	42	43	45	46	47	48	50	51
27.0		40	41	42	43	44	45	46
27.5							41	42
28.0								
28.5								
29.0								
29.5								
30.0								
30.5								
31.0								
31.5								
32.0								

"d" next to tabulated values indicates deflection control; "v" next to tabulated values indicates shear control.

φMn is factored positive moment capacity; φVn is factored vertical one-way shear capacity.

Iu is uncracked moment of inertia transformed to steel; Ic is cracked moment of inertia transformed to steel; Id = 0.5 x (Iu + Ic).

For explanation of deflection parameters SLDP & SWDP, see the design example.

NOTES:

- "SLAB WEIGHT" is made up of the self weight of the steel deck, the reinforcing bar and the concrete slab.
- "SLAB THICKNESS" is measured from top of concrete to bottom of steel deck.
- "SPAN" is the lesser of the clear span plus slab thickness, or the center-to-center distance between supports.
- Shoring may be required. See "CONSTRUCTION CLEAR SPANS" table to establish the number of shores required.
- The slab weight has been subtracted from the tabulated uniform superimposed service loads.
- The tabulated uniform superimposed service loads have been reduced by a Load Factor of 1.5.
- Where deflection controls, the tabulated loads are based on deflection limit of L/360 under superimposed loads (LL + DL).
- Maximum net long-term deflection (considering 3 months to 5 years of sustained loading) has been limited to L/240 and 1".
- Fy (rebar) = 58 ksi; f'c (concrete) = 4351 psi.

COMSLAB CS210 Load Table

Imperial Units

15M Rebar

Normal Weight Concrete: 147 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	54.0	60.1	66.2	72.3	78.4	84.5	90.7	96.8
VOLUME (yd ³ /100ft ²)	1.26	1.41	1.57	1.72	1.88	2.03	2.19	2.34
φMn (kip-ft/ft)	13.9	14.9	15.9	16.9	17.9	18.9	19.9	20.9
φVn (kip/ft)	4.99	5.38	5.78	6.20	6.63	7.07	7.53	8.00
Iu (in ⁴ /ft)	71.0	81.4	92.5	104.4	117.4	131.5	146.8	163.5
Ic (in ⁴ /ft)	27.5	30.8	34.4	38.2	42.2	46.5	51.1	55.9
Id (in ⁴ /ft)	49.3	56.1	63.4	71.3	79.8	89.0	98.9	109.7
SLDP	774	881	996	1120	1253	1397	1554	1722
SWDP	0.581	0.564	0.547	0.529	0.511	0.491	0.472	0.452
SLAB THICKNESS (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	333	355	377	399	421	443	465	487
14.5	308	328	348	368	388	408	429	449
15.0	285	303	322	340	359	377	396	414
15.5	264	281	298	315	332	349	366	383
16.0	245	260	276	292	307	323	338	354
16.5	227	242	256	271	285	299	314	328
17.0	212	225	238	251	265	278	291	304
17.5	197	209	222	234	246	258	271	283
18.0	184	195	206	218	229	240	252	263
18.5	172	182	193	203	213	224	234	245
19.0	160	170	180	189	199	208	218	228
19.5	150	159	168	177	185	194	203	212
20.0	140	149	157	165	173	181	189	198
20.5	131	139	147	154	162	169	177	184
21.0	123	130	137	144	151	158	165	172
21.5	115	122	128	135	141	147	154	160
22.0	108	114	120	126	132	138	143	149
22.5	102	107	112	118	123	128	134	139
23.0	95	100	105	110	115	120	125	130
23.5	89	94	98	103	107	112	116	121
24.0	84	88	92	96	100	104	108	113
24.5	79	82	86	90	94	97	101	105
25.0	74	77	80	84	87	91	94	97
25.5	69	72	75	78	81	84	87	91
26.0	65	67	70	73	76	78	81	84
26.5	61	63	66	68	70	73	75	78
27.0	57	59	61	63	65	68	70	72
27.5	53	55	57	59	61	63	65	67
28.0	50	51	53	55	56	58	60	61
28.5	46	48	49	51	52	54	55	56
29.0	43	44	46	47	48	49	50	52
29.5		41	42	43	44	45	46	47
30.0					41	41	42	43
30.5								
31.0								
31.5								
32.0								

"d" next to tabulated values indicates deflection control; "v" next to tabulated values indicates shear control.

φMn is factored positive moment capacity; φVn is factored vertical one-way shear capacity.

Iu is uncracked moment of inertia transformed to steel; Ic is cracked moment of inertia transformed to steel; Id = 0.5 x (Iu + Ic).

For explanation of deflection parameters SLDP & SWDP, see the design example.

NOTES:

- "SLAB WEIGHT" is made up of the self weight of the steel deck, the reinforcing bar and the concrete slab.
- "SLAB THICKNESS" is measured from top of concrete to bottom of steel deck.
- "SPAN" is the lesser of the clear span plus slab thickness, or the center-to-center distance between supports.
- Shoring may be required. See "CONSTRUCTION CLEAR SPANS" table to establish the number of shores required.
- The slab weight has been subtracted from the tabulated uniform superimposed service loads.
- The tabulated uniform superimposed service loads have been reduced by a Load Factor of 1.5.
- Where deflection controls, the tabulated loads are based on deflection limit of L/360 under superimposed loads (LL + DL).
- Maximum net long-term deflection (considering 3 months to 5 years of sustained loading) has been limited to L/240 and 1".
- Fy (rebar) = 58 ksi; f'c (concrete) = 4351 psi.

COMSLAB CS210 Load Table

Imperial Units

20M Rebar

Normal Weight Concrete: 147 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	54.2	60.4	66.5	72.6	78.7	84.8	90.9	97.0
VOLUME (yd ³ /100ft ²)	1.26	1.41	1.57	1.72	1.88	2.03	2.19	2.34
φMn (kip-ft/ft)	16.3	17.4	18.6	19.7	20.9	22.1	23.2	24.4
φVn (kip/ft)	4.99	5.38	5.78	6.20	6.63	7.07	7.53	8.00
Iu (in ⁴ /ft)	72.7	83.4	94.8	107.1	120.3	134.7	150.4	167.4
Ic (in ⁴ /ft)	30.6	34.3	38.3	42.6	47.1	52.0	57.1	62.6
Id (in ⁴ /ft)	51.7	58.9	66.6	74.8	83.7	93.4	103.8	115.0
SLDP	811	924	1045	1175	1315	1466	1629	1805
SWDP	0.570	0.553	0.536	0.518	0.500	0.481	0.462	0.443
SLAB THICKNESS (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	398	424	450	477	503	529	556	582
14.5	368	392	416	440	465	489	513	537
15.0	341	363	385	407	430	452	474	497
15.5	316	337	357	378	398	419	439	460
16.0	294	313	332	351	370	389	408	427
16.5	274	291	309	326	344	361	379	396
17.0	255	271	288	304	320	336	352	369
17.5	238	253	268	283	298	313	328	343
18.0	223	237	251	265	278	292	306	320
18.5	209	221	234	247	260	273	286	299
19.0	195	207	219	231	243	255	267	279
19.5	183	194	205	216	228	239	250	261
20.0	172	182	192	203	213	223	234	244
20.5	161	171	181	190	200	209	219	228
21.0	152	161	169	178	187	196	205	214
21.5	143	151	159	167	176	184	192	200
22.0	134	142	149	157	165	172	180	188
22.5	126	133	140	148	155	162	169	176
23.0	119	125	132	139	145	152	158	165
23.5	112	118	124	130	136	142	148	154
24.0	106	111	117	122	128	133	139	145
24.5	99	105	110	115	120	125	130	136
25.0	94	98	103	108	113	117	122	127
25.5	88	93	97	101	106	110	115	119
26.0	83	87	91	95	99	103	107	111
26.5	78	82	86	89	93	97	100	104
27.0	74	77	81	84	87	91	94	97
27.5	70	73	76	79	82	85	88	91
28.0	66	68	71	74	77	79	82	85
28.5	62	64	67	69	72	74	77	79
29.0	58	60	62	65	67	69	71	74
29.5	55	57	59	61	62	64	66	68
30.0		53	55	57	58	60	62	63
30.5			51	53	54	56	57	59
31.0			48	49	50	52	53	54
31.5				46	47	48	49	50
32.0					43	44	45	46

"d" next to tabulated values indicates deflection control; "v" next to tabulated values indicates shear control.

φMn is factored positive moment capacity; φVn is factored vertical one-way shear capacity.

Iu is uncracked moment of inertia transformed to steel; Ic is cracked moment of inertia transformed to steel; Id = 0.5 x (Iu + Ic).

For explanation of deflection parameters SLDP & SWDP, see the design example.

NOTES:

- "SLAB WEIGHT" is made up of the self weight of the steel deck, the reinforcing bar and the concrete slab.
- "SLAB THICKNESS" is measured from top of concrete to bottom of steel deck.
- "SPAN" is the lesser of the clear span plus slab thickness, or the center-to-center distance between supports.
- Shoring may be required. See "CONSTRUCTION CLEAR SPANS" table to establish the number of shores required.
- The slab weight has been subtracted from the tabulated uniform superimposed service loads.
- The tabulated uniform superimposed service loads have been reduced by a Load Factor of 1.5.
- Where deflection controls, the tabulated loads are based on deflection limit of L/360 under superimposed loads (LL + DL).
- Maximum net long-term deflection (considering 3 months to 5 years of sustained loading) has been limited to L/240 and 1".
- Fy (rebar) = 58 ksi; f'c (concrete) = 4351 psi.

COMSLAB CS210 Load Table

Imperial Units

25M Rebar

Normal Weight Concrete: 147 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	54.8	60.9	67.0	73.1	79.2	85.3	91.5	97.6
VOLUME (yd ³ /100ft ²)	1.26	1.41	1.57	1.72	1.88	2.03	2.19	2.34
φMn (kip-ft/ft)	20.8	22.3	23.8	25.2	26.7	28.2	29.6	31.1
φVn (kip/ft)	4.99	5.38	5.78	6.20	6.63	7.07	7.53	8.00
Iu (in ⁴ /ft)	75.9	87.2	99.1	112.0	125.8	140.8	157.1	174.7
Ic (in ⁴ /ft)	36.1	40.6	45.5	50.7	56.2	62.1	68.3	74.9
Id (in ⁴ /ft)	56.0	63.9	72.3	81.3	91.0	101.5	112.7	124.8
SLDP	880	1003	1136	1277	1429	1593	1770	1960
SWDP	0.552	0.534	0.516	0.499	0.481	0.463	0.445	0.427
SLAB THICKNESS (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
16.0	371 v	398 v	426 v	456 v	486 v	516	541	567
16.5	358 v	384 v	409	433	457	481	504	528
17.0	338	360	383	405	427	449	471	493
17.5	317	337	358	378	399	419	440	461
18.0	297	316	335	354	373	393	412	431
18.5	279	296	314	332	350	368	386	404
19.0	262	278	295	312	328	345	362	378
19.5	246	262	277	293	308	324	340	355
20.0	232	246	261	275	290	304	319	334
20.5	218	232	246	259	273	286	300	314
21.0	206	219	231	244	257	270	282	295
21.5	194	206	218	230	242	254	266	278
22.0	184	195	206	217	228	239	250	262
22.5	174	184	194	205	215	226	236	246
23.0	164	174	184	193	203	213	223	232
23.5	155	164	174	183	192	201	210	219
24.0	147	156	164	173	181	190	198	207
24.5	139	147	155	163	171	179	187	195
25.0	132	139	147	154	162	169	177	184
25.5	125	132	139	146	153	160	167	174
26.0	119	125	132	138	145	151	158	164
26.5	112	118	125	131	137	143	149	155
27.0	107	112	118	124	129	135	141	146
27.5	101	106	112	117	122	128	133	138
28.0	96	101	106	111	116	121	125	130
28.5	91	96	100	105	109	114	118	123
29.0	86	91	95	99	103	108	112	116
29.5	82	86	90	94	98	102	105	109
30.0	78	81	85	89	92	96	99	103
30.5		77	80	84	87	90	94	97
31.0			76	79	82	85	88	91
31.5				75	77	80	83	86
32.0				70	73	76	78	81
32.5					69	71	73	76
33.0						67	69	71
33.5							65	67
34.0								62

"d" next to tabulated values indicates deflection control; "v" next to tabulated values indicates shear control.

φMn is factored positive moment capacity; φVn is factored vertical one-way shear capacity.

Iu is uncracked moment of inertia transformed to steel; Ic is cracked moment of inertia transformed to steel; Id = 0.5 x (Iu + Ic).

For explanation of deflection parameters SLDP & SWDP, see the design example.

NOTES:

1. "SLAB WEIGHT" is made up of the self weight of the steel deck, the reinforcing bar and the concrete slab.
2. "SLAB THICKNESS" is measured from top of concrete to bottom of steel deck.
3. "SPAN" is the lesser of the clear span plus slab thickness, or the center-to-center distance between supports.
4. Shoring may be required. See "CONSTRUCTION CLEAR SPANS" table to establish the number of shores required.
5. The slab weight has been subtracted from the tabulated uniform superimposed service loads.
6. The tabulated uniform superimposed service loads have been reduced by a Load Factor of 1.5.
7. Where deflection controls, the tabulated loads are based on deflection limit of L/360 under superimposed loads (LL + DL).
8. Maximum net long-term deflection (considering 3 months to 5 years of sustained loading) has been limited to L/240 and 1".
9. Fy (rebar) = 58 ksi; f'c (concrete) = 4351 psi.

COMSLAB CS210 Load Table

Imperial Units

30M Rebar

Normal Weight Concrete: 147 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	55.3	61.4	67.5	73.6	79.8	85.9	92.0	98.1
VOLUME (yd ³ /100ft ²)	1.26	1.41	1.57	1.72	1.88	2.03	2.19	2.34
φMn (kip-ft/ft)	25.1	26.8	28.6	30.4	32.2	34.0	35.8	37.6
φVn (kip/ft)	4.99	5.38	5.78	6.20	6.63	7.07	7.53	8.00
Iu (in ⁴ /ft)	78.7	90.5	103.0	116.5	130.9	146.5	163.3	181.6
Ic (in ⁴ /ft)	41.1	46.3	51.9	57.9	64.4	71.2	78.4	86.1
Id (in ⁴ /ft)	59.9	68.4	77.5	87.2	97.6	108.8	120.9	133.8
SLDP	940	1074	1217	1369	1533	1709	1898	2102
SWDP	0.537	0.519	0.501	0.483	0.466	0.448	0.430	0.413
SLAB THICKNESS (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
18.0	324 v	348 v	372 v	398 v	425 v	452 v	481 v	511 v
18.5	314 v	337 v	361 v	385 v	411 v	438 v	466 v	495 v
19.0	304 v	327 v	350 v	374 v	399 v	425 v	452 v	474
19.5	295 v	317 v	339 v	363 v	385	405	426	446
20.0	287 v	307	326	344	363	382	401	420
20.5	272	290	307	325	342	360	378	395
21.0	257	274	290	307	323	340	356	373
21.5	243	259	274	290	305	321	336	352
22.0	230	245	259	274	289	303	318	333
22.5	218	232	245	259	273	287	301	314
23.0	207	220	232	245	258	271	284	297
23.5	196	208	220	233	245	257	269	281
24.0	186	197	209	220	232	243	255	266
24.5	177	187	198	209	220	231	241	252
25.0	167 d	178	188	198	208	219	229	239
25.5	158 d	169	179	188	198	207	217	227
26.0	149 d	161	170	179	188	197	206	215
26.5	140 d	153	161	170	178	187	195	204
27.0	133 d	145	153	161	169	177	185	193
27.5	126 d	138	146	153	161	168	176	183
28.0	119 d	131	139	146	153	160	167	174
28.5	113 d	125	132	138	145	152	158	165
29.0	107 d	119	125	132	138	144	150	157
29.5	102 d	113	119	125	131	137	143	149
30.0	97 d	108	113	119	124	130	136	141
30.5	92 d	103	108	113	118	123	129	134
31.0		98	103	108	112	117	122	127
31.5			98	102	107	111	116	120
32.0				97	101	106	110	114
32.5					96	100	104	108
33.0					91	95	99	102
33.5						90	93	97
34.0							89	92
34.5								87
35.0								
35.5								
36.0								

"d" next to tabulated values indicates deflection control; "v" next to tabulated values indicates shear control.

φMn is factored positive moment capacity; φVn is factored vertical one-way shear capacity.

Iu is uncracked moment of inertia transformed to steel; Ic is cracked moment of inertia transformed to steel; Id = 0.5 x (Iu + Ic).

For explanation of deflection parameters SLDP & SWDP, see the design example.

NOTES:

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- "SLAB THICKNESS" is measured from top of concrete to bottom of steel deck.
- "SPAN" is the lesser of the clear span plus slab thickness, or the center-to-center distance between supports.
- Shoring may be required. See "CONSTRUCTION CLEAR SPANS" table to establish the number of shores required.
- The slab weight has been subtracted from the tabulated uniform superimposed service loads.
- The tabulated uniform superimposed service loads have been reduced by a Load Factor of 1.5.
- Where deflection controls, the tabulated loads are based on deflection limit of L/360 under superimposed loads (LL + DL).
- Maximum net long-term deflection (considering 3 months to 5 years of sustained loading) has been limited to L/240 and 1".
- Fy (rebar) = 58 ksi; f'c (concrete) = 4351 psi.

COMSLAB CS210 Load Table

Imperial Units

35M Rebar

Normal Weight Concrete: 147 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	56.1	62.2	68.3	74.4	80.5	86.7	92.8	98.9
VOLUME (yd ³ /100ft ²)	1.26	1.41	1.57	1.72	1.88	2.03	2.19	2.34
φMn (kip-ft/ft)	29.3	33.2	35.5	37.8	40.0	42.3	44.6	46.8
φVn (kip/ft)	4.99	5.38	5.78	6.20	6.63	7.07	7.53	8.00
Iu (in ⁴ /ft)	82.4	95.0	108.3	122.5	137.8	154.2	172.0	191.1
Ic (in ⁴ /ft)	48.0	53.7	60.4	67.6	75.3	83.5	92.1	101.3
Id (in ⁴ /ft)	65.2	74.3	84.4	95.1	106.6	118.9	132.1	146.2
SLDP	1024	1167	1325	1493	1673	1866	2074	2296
SWDP	0.520	0.500	0.482	0.464	0.447	0.429	0.412	0.395
SLAB THICKNESS (in)	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
18.0	323 v	347 v	372 v	397 v	424 v	452 v	480 v	510 v
18.5	313 v	336 v	360 v	385 v	411 v	437 v	465 v	494 v
19.0	304 v	326 v	349 v	373 v	398 v	424 v	451 v	479 v
19.5	295 v	316 v	339 v	362 v	386 v	411 v	437 v	465 v
20.0	286 v	307 v	329 v	351 v	375 v	399 v	425 v	451 v
20.5	278 v	298 v	319 v	341 v	364 v	388 v	412 v	438 v
21.0	270 v	290 v	310 v	332 v	354 v	377 v	401 v	425 v
21.5	263 v	282 v	302 v	322 v	344 v	366 v	390 v	414 v
22.0	256 v	274 v	294 v	314 v	335 v	356 v	379 v	402 v
22.5	249 v	267 v	286 v	305 v	326 v	347 v	369 v	392 v
23.0	234 d	260 v	278 v	297 v	317 v	338 v	359 v	381 v
23.5	219 d	250 d	271 v	290 v	309 v	329 v	350 v	370
24.0	206 d	235 d	264 v	282 v	301 v	319	335	351
24.5	193 d	221 d	250 d	273	289	304	319	334
25.0	182 d	208 d	236 d	260	274	289	303	317
25.5	171 d	196 d	222 d	248	261	275	288	302
26.0	162 d	185 d	209 d	236	249	262	274	287
26.5	153 d	174 d	198 d	223 d	237	249	261	273
27.0	144 d	165 d	187 d	211 d	226	237	249	260
27.5	137 d	156 d	177 d	199 d	215	226	237	248
28.0	130 d	148 d	168 d	189 d	205	216	226	236
28.5	123 d	140 d	159 d	179 d	196	206	215	225
29.0	117 d	133 d	151 d	170 d	187	196	205	215
29.5	111 d	126 d	143 d	162 d	178	187	196	205
30.0	105 d	120 d	136 d	154 d	170	178	187	195
30.5	100 d	114 d	130 d	146 d	162	170	178	186
31.0	95 d	109 d	124 d	139 d	155	163	170	178
31.5		104 d	118 d	133 d	148	155	162	169
32.0			112 d	127 d	141	148	155	162
32.5				121 d	135	141	148	154
33.0					129	135	141	147
33.5					123	129	134	140
34.0						123	128	134
34.5							122	127
35.0								122
35.5								
36.0								

"d" next to tabulated values indicates deflection control; "v" next to tabulated values indicates shear control.

φMn is factored positive moment capacity; φVn is factored vertical one-way shear capacity.

Iu is uncracked moment of inertia transformed to steel; Ic is cracked moment of inertia transformed to steel; Id = 0.5 x (Iu + Ic).

For explanation of deflection parameters SLDP & SWDP, see the design example.

NOTES:

1. "SLAB WEIGHT" is made up of the self weight of the steel deck, the reinforcing bar and the concrete slab.
2. "SLAB THICKNESS" is measured from top of concrete to bottom of steel deck.
3. "SPAN" is the lesser of the clear span plus slab thickness, or the center-to-center distance between supports.
4. Shoring may be required. See "CONSTRUCTION CLEAR SPANS" table to establish the number of shores required.
5. The slab weight has been subtracted from the tabulated uniform superimposed service loads.
6. The tabulated uniform superimposed service loads have been reduced by a Load Factor of 1.5.
7. Where deflection controls, the tabulated loads are based on deflection limit of L/360 under superimposed loads (LL + DL).
8. Maximum net long-term deflection (considering 3 months to 5 years of sustained loading) has been limited to L/240 and 1".
9. Fy (rebar) = 58 ksi; f'c (concrete) = 4351 psi.