

COMSLAB®

Normalweight Concrete

LOAD TABLES

CS120 - 18Ga 

COMSLAB CS120 Load Table

Imperial Units

#3 Rebar

Normal Weight Concrete: 145 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	48.5	51.5	57.5	60.5	63.6	69.6	75.7	81.7
VOLUME (yd ³ /100ft ²)	1.15	1.22	1.38	1.45	1.53	1.69	1.84	1.99
φMn (kip-ft/ft)	6.8	7.2	8.1	8.5	8.9	9.8	10.7	11.5
φVn (kip/ft)	4.67	4.88	5.31	5.53	5.75	6.20	6.67	7.15
Iu (in ⁴ /ft)	24.9	27.4	33.0	36.2	39.5	46.9	55.4	65.0
Ic (in ⁴ /ft)	7.2	7.8	9.3	10.1	10.9	12.7	14.7	16.8
Id (in ⁴ /ft)	16.1	17.6	21.2	23.1	25.2	29.8	35.0	40.9
SLDP	253	278	333	364	397	469	551	643
SWDP	1.483	1.431	1.328	1.277	1.227	1.132	1.042	0.959
SLAB THICKNESS (in)	7.25	7.50	8.00	8.25	8.50	9.00	9.50	10.00
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	z	145	163	171	180	198	215	233
14.5	125	133	149	157	165	181	197	213
15.0	114	121	136	143	151	165	180	195
15.5	105	111	125	131	138	152	165	178
16.0	96	102	114	121	127	139	151	164
16.5	88	94	105	111	116	128	139	150
17.0	81	86	96	102	107	117	128	138
17.5	74	79	89	93	98	108	117	127
18.0	68	73	81	86	90	99	108	116
18.5	63	67	75	79	83	91	99	107
19.0	57	61	69	72	76	83	91	98
19.5	53	56	63	66	70	77	83	90
20.0	48	51	58	61	64	70	76	83
20.5	44	47	53	56	59	64	70	76
21.0	40	43	48	51	54	59	64	69
21.5			44	47	49	54	59	63
22.0			40	42	45	49	53	58
22.5					41	45	48	52
23.0						40	44	48
23.5								43
24.0								
24.5								
25.0								
25.5								
26.0								
26.5								
27.0								
27.5								
28.0								
28.5								
29.0								
29.5								
30.0								

"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 1.6.
- 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) = 60 ksi; f'c (concrete) = 4000 psi.

COMSLAB CS120 Load Table

Imperial Units

#4 Rebar

Normal Weight Concrete: 145 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	48.6	51.6	57.7	60.7	63.7	69.8	75.8	81.8
VOLUME (yd ³ /100ft ²)	1.15	1.22	1.38	1.45	1.53	1.69	1.84	1.99
φMn (kip-ft/ft)	7.7	8.2	9.1	9.6	10.1	11.0	12.0	13.0
φVn (kip/ft)	4.67	4.88	5.31	5.53	5.75	6.20	6.67	7.15
Iu (in ⁴ /ft)	25.2	27.8	33.5	36.7	40.0	47.5	56.1	65.8
Ic (in ⁴ /ft)	7.9	8.6	10.2	11.1	12.0	14.0	16.2	18.6
Id (in ⁴ /ft)	16.6	18.2	21.8	23.9	26.0	30.8	36.1	42.2
SLDP	261	286	344	375	409	484	568	663
SWDP	1.468	1.416	1.313	1.263	1.214	1.119	1.031	0.949
SLAB THICKNESS (in)	7.25	7.50	8.00	8.25	8.50	9.00	9.50	10.00
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	160	170	190	200	210	229	249	269
14.5	146	156	174	183	192	210	229	247
15.0	134	143	160	168	176	193	210	227
15.5	124	131	147	154	162	178	193	208
16.0	114	121	135	142	149	163	178	192
16.5	105	111	124	131	137	151	164	177
17.0	97	103	115	121	127	139	151	163
17.5	89	95	106	111	117	128	139	150
18.0	82	87	98	103	108	118	128	139
18.5	76	81	90	95	100	109	119	128
19.0	70	74	83	88	92	101	109	118
19.5	65	69	77	81	85	93	101	109
20.0	60	63	71	75	78	86	93	101
20.5	55	58	65	69	72	79	86	93
21.0	51	54	60	63	67	73	79	86
21.5	47	50	55	58	61	67	73	79
22.0	43	46	51	54	56	62	67	73
22.5		42	47	49	52	57	62	67
23.0			43	45	48	52	57	61
23.5				41	44	48	52	56
24.0						44	47	51
24.5							43	47
25.0								42
25.5								
26.0								
26.5								
27.0								
27.5								
28.0								
28.5								
29.0								
29.5								
30.0								

"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 1.6.
- 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) = 60 ksi; f'c (concrete) = 4000 psi.

COMSLAB CS120 Load Table

Imperial Units

#5 Rebar

Normal Weight Concrete: 145 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	48.8	51.8	57.9	60.9	63.9	69.9	76.0	82.0
VOLUME (yd ³ /100ft ²)	1.15	1.22	1.38	1.45	1.53	1.69	1.84	1.99
φMn (kip-ft/ft)	8.8	9.4	10.4	11.0	11.5	12.6	13.7	14.8
φVn (kip/ft)	4.67	4.88	5.31	5.53	5.75	6.20	6.67	7.15
Iu (in ⁴ /ft)	25.6	28.2	34.0	37.2	40.7	48.3	57.0	66.8
Ic (in ⁴ /ft)	8.7	9.5	11.3	12.3	13.3	15.5	18.0	20.6
Id (in ⁴ /ft)	17.2	18.9	22.7	24.8	27.0	31.9	37.5	43.7
SLDP	270	297	357	389	425	502	589	687
SWDP	1.452	1.399	1.297	1.247	1.198	1.105	1.018	0.937
SLAB THICKNESS (in)	7.25	7.50	8.00	8.25	8.50	9.00	9.50	10.00
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	189	200	223	235	246	269	293	316
14.5	173	184	205	216	226	248	269	290
15.0	160	169	189	199	208	228	247	267
15.5	147	156	174	183	192	210	228	246
16.0	136	144	161	169	177	194	211	227
16.5	125	133	149	156	164	179	195	210
17.0	116	123	137	145	152	166	180	194
17.5	107	114	127	134	140	154	167	180
18.0	100	106	118	124	130	142	154	167
18.5	92	98	109	115	121	132	143	154
19.0	86	91	101	107	112	122	133	143
19.5	79	84	94	99	104	113	123	133
20.0	74	78	87	92	96	105	114	123
20.5	68	73	81	85	89	98	106	114
21.0	63	67	75	79	83	91	98	106
21.5	59	62	70	73	77	84	91	98
22.0	55	58	65	68	71	78	85	91
22.5	51	54	60	63	66	72	78	84
23.0	47	50	55	58	61	67	73	78
23.5			51	54	56	62	67	72
24.0			47	50	52	57	62	67
24.5				46	48	53	57	62
25.0					44	48	53	57
25.5						45	48	52
26.0							44	48
26.5							41	44
27.0								
27.5								
28.0								
28.5								
29.0								
29.5								
30.0								

"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 1.6.
- 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) = 60 ksi; f'c (concrete) = 4000 psi.

COMSLAB CS120 Load Table

Imperial Units

#6 Rebar

Normal Weight Concrete: 145 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	49.0	52.0	58.1	61.1	64.1	70.2	76.2	82.3
VOLUME (yd ³ /100ft ²)	1.15	1.22	1.38	1.45	1.53	1.69	1.84	1.99
φMn (kip-ft/ft)	10.2	10.8	12.0	12.6	13.2	14.5	15.7	17.0
φVn (kip/ft)	4.67	4.88	5.31	5.53	5.75	6.20	6.67	7.15
Iu (in ⁴ /ft)	26.1	28.7	34.6	37.9	41.4	49.2	58.0	67.9
Ic (in ⁴ /ft)	9.6	10.5	12.5	13.6	14.8	17.3	20.0	23.0
Id (in ⁴ /ft)	17.8	19.6	23.6	25.8	28.1	33.2	39.0	45.5
SLDP	281	309	371	405	442	522	613	715
SWDP	1.434	1.382	1.279	1.229	1.181	1.089	1.003	0.924
SLAB THICKNESS (in)	7.25	7.50	8.00	8.25	8.50	9.00	9.50	10.00
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	222	236	263	276	290	317	344	371
14.5	205	217	242	254	267	292	317	341
15.0	189	200	223	235	246	269	292	315
15.5	175	185	206	217	228	249	270	291
16.0	162	171	191	201	211	230	250	269
16.5	150	159	177	186	195	213	231	250
17.0	139	147	164	173	181	198	215	232
17.5	129	137	153	160	168	184	199	215
18.0	120	127	142	149	156	171	185	200
18.5	112	118	132	139	145	159	172	186
19.0	104	110	123	129	135	148	161	173
19.5	97	103	114	120	126	138	149	161
20.0	90	96	107	112	117	128	139	150
20.5	84	89	99	104	109	120	130	140
21.0	78	83	93	97	102	112	121	130
21.5	73	78	86	91	95	104	113	122
22.0	68	72	81	85	89	97	105	113
22.5	64	67	75	79	83	90	98	106
23.0	59	63	70	74	77	84	91	99
23.5		59	65	68	72	78	85	92
24.0			61	64	67	73	79	85
24.5				59	62	68	74	80
25.0					58	63	69	74
25.5						59	64	69
26.0						54	59	64
26.5							55	59
27.0								55
27.5								50
28.0								
28.5								
29.0								
29.5								
30.0								

"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 1.6.
- 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) = 60 ksi; f'c (concrete) = 4000 psi.

COMSLAB CS120 Load Table

Imperial Units

#7 Rebar

Normal Weight Concrete: 145 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	49.3	52.3	58.4	61.4	64.4	70.4	76.5	82.5
VOLUME (yd ³ /100ft ²)	1.15	1.22	1.38	1.45	1.53	1.69	1.84	1.99
φMn (kip-ft/ft)	11.7	12.4	13.8	14.5	15.2	16.6	18.0	19.4
φVn (kip/ft)	4.67	4.88	5.31	5.53	5.75	6.20	6.67	7.15
Iu (in ⁴ /ft)	26.5	29.3	35.3	38.6	42.2	50.1	59.1	69.2
Ic (in ⁴ /ft)	10.6	11.6	13.8	15.1	16.4	19.1	22.2	25.6
Id (in ⁴ /ft)	18.5	20.4	24.6	26.9	29.3	34.6	40.6	47.4
SLDP	292	321	387	422	461	545	640	746
SWDP	1.417	1.364	1.261	1.212	1.164	1.072	0.987	0.909
SLAB THICKNESS (in)	7.25	7.50	8.00	8.25	8.50	9.00	9.50	10.00
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	260	276	308	324	339	371	402	434
14.5	240	255	284	299	313	342	371	400
15.0	222	236	262	276	289	316	343	370
15.5	206	218	243	255	268	293	318	343
16.0	191	202	225	237	248	272	295	318
16.5	177	188	209	220	231	252	274	295
17.0	165	175	195	205	215	235	254	274
17.5	151 d	163	181	191	200	218	237	255
18.0	139 d	152	169	178	186	204	221	238
18.5	128 d	141 d	158	166	174	190	206	222
19.0	118 d	130 d	147	155	162	177	192	207
19.5	109 d	120 d	137	144	152	166	180	194
20.0	101 d	112 d	128	135	142	155	168	181
20.5	94 d	104 d	120	126	132	145	157	169
21.0	88 d	96 d	112	118	124	135	147	159
21.5	82 d	90 d	105	111	116	127	138	148
22.0	76 d	84 d	99	104	109	119	129	139
22.5	71 d	78 d	92	97	102	111	121	130
23.0	67 d	73 d	86	91	95	104	113	122
23.5		69 d	81	85	89	98	106	114
24.0			76	80	84	91	99	107
24.5			71	75	78	86	93	100
25.0					73	80	87	94
25.5						75	81	88
26.0						70	76	82
26.5							71	77
27.0							66	71
27.5								67
28.0								
28.5								
29.0								
29.5								
30.0								

"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.
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- Shoring may be required. See "CONSTRUCTION CLEAR SPANS" table to establish the number of shores required.
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- The tabulated uniform superimposed service loads have been reduced by a Load Factor of 1.6.
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- Maximum net long-term deflection (considering 3 months to 5 years of sustained loading) has been limited to L/240 and 1".
- Fy (rebar) = 60 ksi; f'c (concrete) = 4000 psi.

COMSLAB CS120 Load Table

Imperial Units

#8 Rebar

Normal Weight Concrete: 145 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	49.6	52.6	58.7	61.7	64.7	70.8	76.8	82.8
VOLUME (yd ³ /100ft ²)	1.15	1.22	1.38	1.45	1.53	1.69	1.84	1.99
φMn (kip-ft/ft)	13.3	14.1	15.7	16.5	17.4	19.0	20.6	22.2
φVn (kip/ft)	4.67	4.88	5.31	5.53	5.75	6.20	6.67	7.15
Iu (in ⁴ /ft)	27.0	29.8	36.0	39.4	43.1	51.1	60.3	70.6
Ic (in ⁴ /ft)	11.5	12.7	15.2	16.6	18.0	21.2	24.6	28.3
Id (in ⁴ /ft)	19.3	21.2	25.6	28.0	30.5	36.1	42.4	49.5
SLDP	303	334	403	440	481	569	668	778
SWDP	1.401	1.347	1.243	1.194	1.146	1.056	0.972	0.895
SLAB THICKNESS (in)	7.25	7.50	8.00	8.25	8.50	9.00	9.50	10.00
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	302	321	357	376	394	431	468	505
14.5	276 d	296	330	347	364	398	432	466
15.0	250 d	274	306	321	337	369	400	432
15.5	226 d	249 d	283	298	313	342	371	400
16.0	206 d	227 d	263	277	290	318	345	372
16.5	188 d	207 d	245	258	270	295	321	346
17.0	171 d	189 d	228 d	240	252	275	299	322
17.5	157 d	173 d	209 d	224	235	257	279	301
18.0	144 d	159 d	192 d	209	219	240	260	281
18.5	133 d	147 d	177 d	193 d	205	224	243	262
19.0	123 d	135 d	163 d	178 d	192	210	228	246
19.5	114 d	125 d	151 d	165 d	180	196	213	230
20.0	105 d	116 d	140 d	153 d	167 d	184	200	216
20.5	98 d	108 d	130 d	142 d	155 d	173	187	202
21.0	91 d	100 d	121 d	132 d	144 d	162	176	190
21.5	85 d	93 d	113 d	123 d	134 d	152	165	178
22.0	79 d	87 d	105 d	115 d	125 d	143	155	167
22.5	74 d	82 d	98 d	107 d	117 d	134	146	157
23.0	69 d	76 d	92 d	101 d	110 d	126	137	148
23.5	65 d	72 d	86 d	94 d	103 d	119	129	139
24.0			81 d	89 d	97 d	112	121	131
24.5			76 d	83 d	91 d	105	114	123
25.0				78 d	85 d	99	107	116
25.5					81 d	93	101	109
26.0						87	95	102
26.5							89	96
27.0							84	90
27.5								85
28.0								80
28.5								
29.0								
29.5								
30.0								

"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.

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- "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 1.6.
- 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) = 60 ksi; f'c (concrete) = 4000 psi.

COMSLAB CS120 Load Table

Imperial Units

#9 Rebar

Normal Weight Concrete: 145 pcf

Base Steel Thickness: 0.0495"

COMPOSITE SECTION PROPERTIES AND STRENGTH								
SELF WEIGHT (psf)	50.0	53.0	59.0	62.1	65.1	71.1	77.2	83.2
VOLUME (yd ³ /100ft ²)	1.15	1.22	1.38	1.45	1.53	1.69	1.84	1.99
φMn (kip-ft/ft)	15.1	16.0	17.9	18.8	19.7	21.6	23.5	25.3
φVn (kip/ft)	4.67	4.88	5.31	5.53	5.75	6.20	6.67	7.15
Iu (in ⁴ /ft)	27.5	30.4	36.7	40.2	44.0	52.2	61.6	72.1
Ic (in ⁴ /ft)	12.6	13.8	16.6	18.2	19.8	23.3	27.1	31.3
Id (in ⁴ /ft)	20.0	22.1	26.7	29.2	31.9	37.7	44.3	51.7
SLDP	315	348	420	459	502	594	698	813
SWDP	1.386	1.331	1.226	1.177	1.129	1.039	0.956	0.880
SLAB THICKNESS (in)	7.25	7.50	8.00	8.25	8.50	9.00	9.50	10.00
SPAN (ft)	MAXIMUM UNIFORM SUPERIMPOSED SERVICE LOADS (psf)							
14.0	319 d	352 d	412	434	455	498	538 v	576 v
14.5	287 d	317 d	381	401	421	461	500	540
15.0	259 d	286 d	346 d	372	390	427	464	501
15.5	235 d	259 d	313 d	343 d	362	396	431	465
16.0	214 d	236 d	285 d	312 d	337	369	401	432
16.5	195 d	215 d	260 d	284 d	310 d	344	373	403
17.0	178 d	197 d	237 d	260 d	284 d	321	348	376
17.5	163 d	180 d	218 d	238 d	260 d	300	325	351
18.0	150 d	166 d	200 d	219 d	239 d	280	304	329
18.5	138 d	153 d	184 d	202 d	220 d	261 d	285	308
19.0	128 d	141 d	170 d	186 d	203 d	241 d	267	289
19.5	118 d	130 d	157 d	172 d	188 d	222 d	251	271
20.0	109 d	121 d	146 d	160 d	174 d	206 d	236	254
20.5	102 d	112 d	135 d	148 d	162 d	191 d	221	239
21.0	95 d	104 d	126 d	138 d	150 d	178 d	208	225
21.5	88 d	97 d	117 d	128 d	140 d	166 d	195 d	212
22.0	82 d	91 d	110 d	120 d	131 d	155 d	182 d	199
22.5	77 d	85 d	102 d	112 d	122 d	145 d	170 d	188
23.0	72 d	79 d	96 d	105 d	115 d	136 d	159 d	177
23.5	67 d	74 d	90 d	98 d	107 d	127 d	149 d	167
24.0		70 d	84 d	92 d	101 d	119 d	140 d	158
24.5			79 d	87 d	95 d	112 d	132 d	149
25.0				82 d	89 d	106 d	124 d	140
25.5					84 d	99 d	117 d	132
26.0						94 d	110 d	125
26.5						89 d	104 d	118
27.0							98 d	111
27.5								105
28.0								99
28.5								
29.0								
29.5								
30.0								

"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 1.6.
- Where deflection controls, the tabulated loads are based on deflection limit of L/360 under superimposed loads (LL + DL).
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