



Section Properties (per ft. of width)

Fy = 80 ksi

Gage	t in	Sp in <sup>3</sup>	Sn in <sup>3</sup>	Ip in <sup>4</sup>	In in <sup>4</sup>	Wt. (psf)	
						Galv.	Black
26	0.0179	0.072	0.073	0.037	0.037	1.0	0.9
25	0.0205	0.084	0.084	0.042	0.042	1.1	1.0
24	0.0239	0.098	0.098	0.049	0.049	1.3	1.2
22	0.0295	0.121	0.121	0.061	0.061	1.6	1.5

Maximum Allowable Uniform Total Loads - psf

Type	Number of Spans	Design Condition	Span - Feet & Inches									
			3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"
26	1 Span	Stress 36 ksi	174	128	98	77	63	52	43	37	32	28
		Deflection $\ell/240$	88	55	37	26	19					
		Deflection $\ell/180$	117	74	49	35	25	19	15			
	2 Span	Stress 36 ksi	180	133	102	81	65	54	45	39	34	29
		Deflection $\ell/240$	180	132	88	62	45	34	26	21	16	
		Deflection $\ell/180$	180	133	102	81	60	45	35	27	22	18
	3 Span	Stress 36 ksi	224	165	127	101	82	67	57	48	42	36
		Deflection $\ell/240$	165	104	69	49	36	27	21	16		
		Deflection $\ell/180$	219	138	93	65	47	36	27	22	17	
25	1 Span	Stress 36 ksi	207	152	116	92	74	62	52	44	38	33
		Deflection $\ell/240$	103	65	43	30	22	17				
		Deflection $\ell/180$	137	86	58	41	30	22	17			
	2 Span	Stress 36 ksi	215	159	122	96	78	64	54	46	40	35
		Deflection $\ell/240$	215	109	76	56	42	32	25	20	19	16
		Deflection $\ell/180$	215	159	122	97	71	53	41	32	25	20
	3 Span	Stress 36 ksi	274	202	156	123	100	83	70	59	50	43
		Deflection $\ell/240$	193	122	81	57	42	31	24	19	16	14
		Deflection $\ell/180$	258	162	109	76	56	42	32	25	20	17
24	1 Span	Stress 36 ksi	252	185	142	112	91	75	63	54	46	40
		Deflection $\ell/240$	122	77	52	36	26	20	15			
		Deflection $\ell/180$	163	103	69	48	35	26	20	16		
	2 Span	Stress 36 ksi	257	190	146	115	94	77	65	55	48	42
		Deflection $\ell/240$	257	181	121	85	63	47	36	28	23	19
		Deflection $\ell/180$	257	190	146	113	83	62	48	38	24	20
	3 Span	Stress 36 ksi	319	236	181	144	116	96	81	69	60	51
		Deflection $\ell/240$	226	142	95	67	49	37	28	22	18	15
		Deflection $\ell/180$	301	190	127	89	65	49	38	30	24	20
22	1 Span	Stress 36 ksi	322	237	181	143	116	96	81	69	60	51
		Deflection $\ell/240$	148	93	62	44	32	24	18	15	12	10
		Deflection $\ell/180$	197	124	83	58	43	32	25	19	15	12
	2 Span	Stress 36 ksi	316	233	179	142	115	95	80	68	60	51
		Deflection $\ell/240$	316	224	150	105	77	58	44	35	28	23
		Deflection $\ell/180$	316	233	179	140	102	77	59	47	37	30
	3 Span	Stress 36 ksi	392	290	223	177	144	119	100	85	75	64
		Deflection $\ell/240$	280	176	118	83	60	45	35	27	21	17
		Deflection $\ell/180$	373	235	157	110	81	61	47	37	29	23



Maximum Allowable Unshored Construction Clear Spans

Slab Depth	Type	145 pcf Normal Weight Concrete				115 pcf Lightweight Concrete			
		Slab Wt. - psf	Single Span	Double Span	Triple Span	Slab Wt. - psf	Single Span	Double Span	Triple Span
2-1/2"	26	26	3'-7"	4'-8"	4'-8"	21	3'-9"	4'-10"	4'-11"
	25	26	4'-1"	5'-4"	5'-5"	21	4'-4"	5'-7"	5'-8"
	24	26	4'-10"	6'-4"	6'-5"	21	5'-1"	6'-9"	6'-10"
	22	26	5'-7"	7'-5"	7'-3"	21	5'-11"	7'-10"	7'-10"
3"	26	32	3'-5"	4'-5"	4'-6"	26	3'-7"	4'-8"	4'-9"
	25	32	3'-10"	5'-1"	5'-1"	26	4'-1"	5'-4"	5'-5"
	24	32	4'-6"	6'-0"	6'-1"	26	4'-10"	6'-5"	6'-6"
	22	32	5'-3"	6'-11"	6'-9"	26	5'-7"	7'-5"	7'-3"
3-1/2"	26	38	3'-3"	4'-3"	4'-4"	31	3'-5"	4'-6"	4'-6"
	25	38	3'-8"	4'-10"	4'-11"	31	3'-11"	5'-1"	5'-2"
	24	38	4'-4"	5'-9"	5'-10"	31	4'-7"	6'-1"	6'-2"
	22	38	4'-11"	6'-7"	6'-5"	31	5'-4"	7'-1"	6'-10"
4"	26	44	3'-1"	4'-1"	4'-2"	35	3'-4"	4'-4"	4'-5"
	25	44	3'-6"	4'-8"	4'-8"	35	3'-9"	4'-11"	5'-0"
	24	44	4'-1"	5'-6"	5'-7"	35	4'-5"	5'-10"	5'-11"
	22	44	4'-8"	6'-4"	6'-1"	35	5'-1"	6'-9"	6'-7"
4-1/2"	26	50	3'-0"	3'-11"	4'-0"	40	3'-2"	4'-2"	4'-3"
	25	50	3'-4"	4'-6"	4'-6"	40	3'-7"	4'-9"	4'-10"
	24	50	4'-0"	5'-4"	5'-4"	40	4'-3"	5'-8"	5'-9"
	22	50	4'-6"	6'-1"	5'-10"	40	4'-11"	6'-6"	6'-3"
5"	26	56	2'-10"	3'-10"	3'-10"	45	3'-1"	4'-1"	4'-1"
	25	56	3'-3"	4'-4"	4'-4"	45	3'-6"	4'-7"	4'-8"
	24	56	3'-10"	5'-1"	5'-2"	45	4'-1"	5'-5"	5'-6"
	22	56	4'-4"	5'-10"	5'-7"	45	4'-8"	6'-3"	6'-1"

Allowable Uniform Superimposed Loads for Reinforced Concrete Slabs - psf

Slab Depth	Reinforcement		Three Span Condition - Center to Center						
	W.W.R.	A <sub>s</sub> (in <sup>2</sup> /ft)	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
2-1/2"	6x6-W1.4xW1.4	0.028*	78	52	34				
	6x6-W2.0xW2.0	0.040*	118	81	57	41			
	6x6-W2.9xW2.9	0.058*	176	124	90	66	50	37	
3"	6x6-W1.4xW1.4	0.028*	106	71	48	32			
	6x6-W2.0xW2.0	0.040*	160	111	79	57	41		
	6x6-W2.9xW2.9	0.058	240	169	123	92	69	53	40
3-1/2"	6x6-W2.0xW2.0	0.040*	203	176	127	94	70	53	39
	6x6-W2.9xW2.9	0.058*	303	260	192	145	111	87	68
	6x6-W4.0xW4.0	0.080	400	356	265	203	158	125	100
4"	6x6-W2.9xW2.9	0.058*	362	330	244	185	143	112	88
	6x6-W4.0xW4.0	0.080	400	400	339	261	204	162	131
	4x4-W2.9xW2.9	0.087	400	400	380	292	230	184	149
4-1/2"	6x6-W4.0xW4.0	0.080*	400	400	400	318	250	200	161
	4x4-W2.9xW2.9	0.087	400	400	400	356	280	224	182
	4x4-W4.0xW4.0	0.120	400	400	400	400	390	315	258
5"	6x6-W4.0xW4.0	0.080*	400	400	400	376	296	237	191
	4x4-W2.9xW2.9	0.087*	400	400	400	400	331	265	215
	4x4-W4.0xW4.0	0.120	400	400	400	400	400	373	306

\*A<sub>s</sub> does not meet A.C.I. criteria for temperature and shrinkage reinforcement (0.0018Ac)