



F16 MASS PLY COLUMN LOADING TABLE (AXIAL LOADS ONLY) IN KIPS

LAY-UP ID	WIDTH & DEPTH (in)	COLUMN HEIGHT (FT)											
		4	8	12	16	20	24	28	32	36	40	44	48
F16-2	2.04	4	1	0	0	0	0	0	0	0	0	0	0
F16-3	3.06	17	6	2	0	0	0	0	0	0	0	0	0
F16-4	4.08	36	17	8	4	0	0	0	0	0	0	0	0
F16-5	5.10	59	38	19	11	7	0	0	0	0	0	0	0
F16-6	6.12	87	69	38	22	14	10	0	0	0	0	0	0
F16-7	7.14	120	105	67	40	26	18	14	0	0	0	0	0
F16-8	8.16	157	145	106	67	44	31	23	18	0	0	0	0
F16-9	9.18	200	189	154	104	70	50	37	28	22	0	0	0
F16-10	10.20	247	238	208	152	105	75	56	43	34	28	0	0
F16-11	11.22	300	291	265	209	150	108	81	63	50	40	34	0
F16-12	12.24	357	349	326	275	205	151	113	88	70	57	47	40
F16-13	13.26	420	411	391	345	271	204	155	120	96	78	65	55
F16-14	14.28	487	479	461	420	347	267	205	161	128	105	87	74
F16-15	15.30	560	552	534	498	429	341	266	209	168	138	114	97
F16-16	16.32	637	629	613	580	517	426	337	268	216	177	147	125
F16-17	17.34	719	712	696	666	609	518	420	337	273	224	187	158
F16-18	18.36	807	799	784	756	704	618	512	416	339	280	234	198
F16-19	19.38	899	892	877	851	803	723	614	506	416	344	288	245
F16-20	20.40	997	989	975	950	906	832	724	607	503	419	352	299
F16-21	21.42	1099	1092	1078	1054	1013	945	841	718	601	503	424	361
F16-22	22.44	1206	1199	1186	1163	1124	1061	963	837	710	598	506	432
F16-23	23.46	1319	1311	1298	1276	1240	1181	1089	965	829	704	599	512
F16-24	24.48	1436	1429	1416	1394	1360	1305	1219	1099	958	821	702	603

COLUMN TABLE NOTES

- ◆ For use in dry condition.
- ◆ $P_r = F_c A_{parallel} C_D C_M C_t C_p$. Where slenderness ratio exceeds 50 to 1, no value is given.
- ◆ C_D , C_M and C_t are assumed to be 1.
- ◆ Table for preliminary analysis only.
- ◆ Table does not account for eccentric axial loading nor wind loads.
- ◆ Major force direction is parallel to column height.
- ◆ For different loading conditions, consult with Freres technical support.

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