



### F19 MPP 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
F19-2	2.04	5	1	0	0	0	0	0	0	0	0	0	0
F19-3	3.06	19	7	3	0	0	0	0	0	0	0	0	0
F19-4	4.08	38	21	10	6	0	0	0	0	0	0	0	0
F19-5	5.10	61	45	24	14	9	0	0	0	0	0	0	0
F19-6	6.12	90	77	47	28	18	13	0	0	0	0	0	0
F19-7	7.14	123	113	81	51	33	23	17	0	0	0	0	0
F19-8	8.16	161	152	124	83	56	40	29	23	0	0	0	0
F19-9	9.18	205	197	173	127	88	63	47	36	29	0	0	0
F19-10	10.20	253	246	226	181	130	95	71	55	44	35	0	0
F19-11	11.22	307	300	282	242	184	136	103	80	63	52	43	0
F19-12	12.24	365	359	343	308	248	188	143	112	89	73	61	51
F19-13	13.26	429	422	408	377	320	251	194	152	122	100	83	70
F19-14	14.28	498	491	478	451	398	324	256	203	163	134	111	94
F19-15	15.30	572	566	553	528	481	407	328	263	213	175	146	123
F19-16	16.32	651	645	632	610	567	497	412	334	272	224	188	159
F19-17	17.34	735	729	717	696	658	593	505	416	342	283	237	201
F19-18	18.36	824	818	807	787	752	692	606	509	423	352	296	252
F19-19	19.38	918	912	901	882	850	796	713	612	515	432	364	310
F19-20	20.40	1018	1012	1001	983	953	903	826	724	617	522	443	378
F19-21	21.42	1122	1117	1106	1088	1060	1014	942	843	730	623	532	456
F19-22	22.44	1232	1226	1216	1198	1171	1129	1063	967	852	736	631	543
F19-23	23.46	1347	1341	1330	1314	1288	1248	1187	1097	982	858	742	642
F19-24	24.48	1466	1461	1450	1434	1409	1372	1315	1231	1118	990	864	751

#### COLUMN TABLE NOTES:

- ◆ For use in dry condition.
- ◆ Buckling Length Coefficient ( $K_e$ ) is 1.0.
- ◆  $P_r = F_c A_{parallel} C_D C_M C_t C_P$ . Where slenderness ratio exceeds 50 to 1, no value is given.
- ◆  $C_D$ ,  $C_M$  and  $C_t$  are assumed to be 1.0.
- ◆ Table for preliminary analysis.
- ◆ Table does not account for eccentric axial loading nor lateral loads (wind and seismic).
- ◆ Major force direction is parallel to column height.
- ◆ For different loading conditions, consult Freres technical support.
- ◆ Tables do not substitute for the work of a design professional.

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