

es-1,2,5

the pacesetter in quality prefab roof products



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pate equipment supports

certified load bearing factors

The design values below have been established for standard ...
pate company... sections on the basis of physical test information.
A minimum bearing width of 4 inches was used for all concentrated
loads and reactions, with a minimum spacing of 2 feet. A factor of
safety of 2 or greater is reflected by the recommended allowable
loads. The information is compiled and certified by H. H. Holmes
Testing laboratories, Inc. Laboratory No. 4550.0.

p.o. no. _____
customer _____
project _____
location _____
architect _____
engineer _____

models es-1,2,5								
style	width and height	area in ²	moment of inertia in ⁴	section modulus in ³	*maximum allowable concentrated load lbs.	maximum allowable end reaction lbs.	maximum allowable intermediate reaction lbs.	maximum allowable uniform load lb./ft.
18 gauge - 8" above roof line								
es-1	3 1/2x8	1.388	6.371	1.46	1500	1800	1500	480
es-2	3 1/2x11	1.275	13.900	2.59	3100	3500	3100	900
es-5	3 1/2x9 1/2	1.543	10.955	2.12	1900	2300	1900	600
18 gauge - 12" above roof line								
es-1	5 1/2x12	1.962	29.215	3.95	2600	3200	2600	600
es-2	5 1/2x15	1.775	37.800	4.85	4300	4100	4100	1300
es-5	5 1/2x13 1/2	2.112	39.143	5.17	3300	4000	3300	750
18 gauge - 16" above roof line								
es-1	7 1/2x16	2.474	65.595	6.62	2100	2500	2100	600
es-2	7 1/2x19	2.275	79.930	7.85	4900	4000	4000	2500
es-5	7 1/2x17 1/2	2.624	82.540	7.71	2600	3200	2600	800
14 gauge - 8" above roof line								
es-1	3 1/2x8	2.163	9.904	2.27	2600	3200	2600	800
es-2	3 1/2x11	1.988	21.550	3.99	5400	6100	5400	1500
es-5	3 1/2x9 1/2	2.397	17.000	3.30	3300	4000	3300	1000
14 gauge - 12" above roof line								
es-1	5 1/2x12	3.063	45.621	6.17	4500	5600	4500	1000
es-2	5 1/2x15	2.768	58.840	7.56	7500	7100	7100	2000
es-5	5 1/2x13 1/2	3.299	60.192	7.74	5700	7000	5700	1300
14 gauge - 16" above roof line								
es-1	7 1/2x16	3.862	102.512	10.34	3600	4500	3600	1000
es-2	7 1/2x19	3.549	123.410	12.10	8000	7000	7000	3500
es-5	7 1/2x17 1/2	4.096	129.380	12.12	4500	5600	4500	1300

* all concentrated loads are based on a minimum bearing surface of 4" by the width of support. - all data also based on 8' 0" spacing of joists.

the above data is compiled and based solely on ...the pate company... design, and the engineered internal reinforcing structurally incorporated therein.

for your protection from liability it is recommended when specifying and/or approving equipment bases, that you receive certified load data from your supplier.