

Window and Door Headers – Selection Table

Design Criteria

Deflection limits: L/480 under live load and L/360 under total load

Serviceability and Ultimate Limit States

24F-1.9E Headers – Maximum factored uniform loads (plf) and specified bearing lengths (in.)

Width (in.)	Depth (in.)	Criteria	Clear span (ft)													
			3	4	5	6	7	8	9	10	11	12	13	14	15	16
2-ply 1-3/4	9-1/2	Factored Load	9,127	5,375	3,298	2,106	1,345	953	669	487	365	279	218	173	139	113
		Bearing Length	6	6	4-1/2	3	3	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	11-7/8	Factored Load	9,124	7,074	4,146	2,632	1,682	1,137	837	609	456	349	273	216	174	141
		Bearing Length	6	6	4-1/2	3	3	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	14	Factored Load	9,122	7,295	4,561	2,923	1,983	1,341	947	718	538	412	321	255	205	166
		Bearing Length	6	6	6	4-1/2	3	3	3	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	16	Factored Load	9,120	7,292	5,213	3,341	2,266	1,532	1,082	821	614	471	367	291	234	190
		Bearing Length	6	6	6	4-1/2	3	3	3	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
3-ply 1-3/4	9-1/2	Factored Load	13,690	8,063	4,947	3,159	2,018	1,429	1,004	731	547	419	327	259	208	169
		Bearing Length	6	6	4-1/2	3	3	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	11-7/8	Factored Load	13,687	10,611	6,219	3,948	2,523	1,706	1,256	914	684	524	409	324	261	212
		Bearing Length	6	6	4-1/2	3	3	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	14	Factored Load	13,683	10,942	6,842	4,385	2,974	2,011	1,420	1,077	807	618	482	382	307	250
		Bearing Length	6	6	6	4-1/2	3	3	3	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2
	16	Factored Load	13,680	10,939	7,819	5,012	3,399	2,298	1,623	1,231	922	706	551	437	351	285
		Bearing Length	6	6	6	4-1/2	3	3	3	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2	1-1/2

Notes:

1. Values shown are the maximum factored uniform loads (Factored Load), in pounds per linear foot (plf), that can be applied to the header in addition to its own weight, and the specified bearing lengths (Bearing Length), in inches (in.).
2. Table is based on dry service conditions, standard-term duration of load, and simple span.
3. The header shall be laterally supported at points of bearing.
4. For 4-1/2-inch bearing length, multiply factored load values for 6-inch bearing length by 0.75.
5. For 3-inch bearing length, multiply factored load values for 6-inch and 4-1/2-inch bearing lengths by 0.5 and 0.66, respectively.