2.0E LVL Double Wale

Allowable Pressure [PSF]. Deflection limited to L/360 or ¼" Max.

2.0E LVL ALLOWABLE PRESSURE [PSF]

Wale Size	Wale Spacing	Tie Spacing								Minimum Bearing Length
		16"	19.2"	24"	26"	28"	30"	32"	34"	
Double 1½" x 3½"	12"	3000	3000	2915	2550	2267	2040	1855	1700	5"
	24"	3000	2218	1457	1275	1134	1020	927	850	5"
	36"	2267	1479	972	850	756	680	618		5"
	48"	1700	1109	729	638					5"
Double 1¾" x 3½"	12"	3000	3000	3000	2975	2645	2380	2164	1984	5"
	24"	3000	2587	1700	1488	1322	1190	1082	992	5"
	36"	2645	1725	1134	992	882	793	721	661	5"
	48"	1984	1294	850	744	661				5"
Double 2¼" x 3½"	24"	3000	3000	2481	2135	1874	1669	1505	1370	7"
	36"	3000	2708	1654	1423	1249	1113	1003	914	7"
	48"	3000	2031	1241	1068	937	835	753	685	7"
	60"	2825	1625	993	854	750	668	602		7"
Double 2½" x 3½"	24"	3000	3000	2757	2372	2082	1855	1672	1523	7"
	36"	3000	3000	1838	1582	1388	1237	1115	1015	7"
	48"	3000	2257	1379	1186	1041	927	836	761	7"
	60"	3000	1806	1103	949	833	742	669	609	7"
Double 1½" x 4½"	12"	3000	3000	3000	3000	3000	2862	2580	2349	5"
	24"	3000	3000	2127	1830	1606	1431	1290	1175	5"
	36"	2549	2124	1418	1220	1071	954	860	783	5"
	48"	1912	1593	1063	915	803	715	645		5"
Double 1¾" x 4½"	24"	3000	3000	2481	2135	1874	1669	1505	1370	5"
	36"	2973	2478	1654	1423	1249	1113	1003	914	5"
	48"	2230	1858	1241	1068	937	835	753	685	5"
	60"	1784	1487	993	854	750	668	602		5"
Double 2¼" x 4½"	24"	3000	3000	3000	3000	2683	2361	2108	1904	7"
	36"	3000	3000	2459	2071	1789	1574	1405	1269	7"
	48"	3000	3000	1845	1553	1341	1180	1054	952	7"
	60"	2987	2489	1476	1243	1073	944	843	762	7"
Double 2½" x 4½"	24"	3000	3000	3000	3000	2981	2623	2342	2116	7"
	36"	3000	3000	2733	2301	1987	1749	1561	1410	7"
	48"	3000	3000	2049	1726	1491	1312	1171	1058	7"
	60"	3000	2766	1640	1381	1192	1049	937	846	7"
Double 1½" x 5½"	24"	3000	3000	2549	2353	2185	1924	1718	1551	5"
	36"	2549	2124	1699	1568	1456	1283	1145	1034	5"
	48"	1912	1593	1274	1176	1092	962	859	776	5"
	60"	1529	1274	1019	941	874	770	687	621	5"
Double 1¾" x 5½"	24"	3000	3000	2973	2745	2549	2244	2004	1810	5"
	36"	2973	2478	1982	1830	1699	1496	1336	1207	5"
	48"	2230	1858	1487	1372	1274	1122	1002	905	5"
	60"	1784	1487	1189	1098	1019	898	802	724	5"
Double 2¼" x 5½"	24"	3000	3000	3000	3000	3000	3000	2829	2531	7"
	36"	3000	3000	3000	2915	2466	2138	1886	1688	7"
	48"	3000	3000	2489	2186	1850	1603	1415	1266	7"
	60"	2987	2489	1992	1749	1480	1283	1132	1013	7"
Double 2½" x 5½"	24"	3000	3000	3000	3000	3000	3000	3000	2813	7"
	36"	3000	3000	3000	3000	2740	2375	2096	1875	7"
	48"	3000	3000	2766	2429	2055	1781	1572	1406	7"
	60"	3000	2766	2213	1943	1644	1425	1257	1125	7"

2.0E LVL ALLOWABLE PRESSURE [PSF]

Wale Size	Wale Spacing	Tie Spacing								Minimum Bearing Length
		16"	19.2"	24"	26"	28"	30"	32"	34"	
Double 1¾" x 6½"	24"	3000	3000	2973	2745	2549	2379	2230	2099	5"
	36"	2973	2478	1982	1830	1699	1586	1487	1399	5"
	48"	2230	1858	1487	1372	1274	1189	1115	1049	5"
	60"	1784	1487	1189	1098	1019	952	892	840	5"
Double 2¼" x 6½"	36"	3000	3000	3000	3000	2845	2655	2471	2186	7"
	48"	3000	3000	2489	2298	2134	1992	1853	1640	7"
	60"	2987	2489	1992	1838	1707	1593	1483	1312	7"
	72"	2489	2075	1660	1532	1423	1328	1236	1093	7"
Double 2½" x 6½"	36"	3000	3000	3000	3000	3000	2950	2746	2429	7"
	48"	3000	3000	2766	2553	2371	2213	2059	1822	7"
	60"	3000	2766	2213	2043	1897	1770	1647	1457	7"
	72"	2766	2305	1844	1702	1581	1475	1373	1214	7"
Double 2¼" x 7¼"	36"	3000	3000	3000	3000	2845	2655	2489	2343	7"
	48"	3000	3000	2489	2298	2134	1992	1867	1757	7"
	60"	2987	2489	1992	1838	1707	1593	1494	1406	7"
	72"	2489	2075	1660	1532	1423	1328	1245	1171	7"
Double 2½" x 7¼"	36"	3000	3000	3000	3000	3000	2950	2766	2603	7"
	48"	3000	3000	2766	2553	2371	2213	2075	1952	7"
	60"	3000	2766	2213	2043	1897	1770	1660	1562	7"
	72"	2766	2305	1844	1702	1581	1475	1383	1302	7"

Notes:

1. Table values are for beam orientation.
2. Span is measured from center to center of supports.
3. Table values are limited by deflection equal to the lesser of ¼-inch or span/360.
4. Table values have been adjusted by C_M = 0.90 for unprotected use and by C_D = 1.25 for construction load duration.
5. Table values are based on 3 or more equal, continuous spans. Use sizing software or consult a professional engineer when a continuous span is less than half the length of an adjacent span or when design conditions are otherwise outside the scope of this table.

How To Use These Tables:

1. Determine the design wall pressure in pounds per square foot (psf).
2. Select a combination of wale size, wale spacing, and tie spacing that will resist the design wall pressure.
3. Support across the full width of each wale is required. Verify that the Minimum Bearing Length can be provided. If not, consider wider wales and return to Step 2.