



MAGNUM 50 DOOR

SPAN TABLES

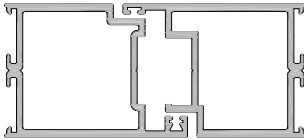
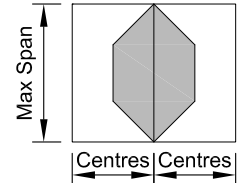
CAD REF. VCMD17-0

DATE
26.02.19

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Extrusion: 08005 / 08006

Description: French Meeting Stiles

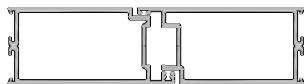
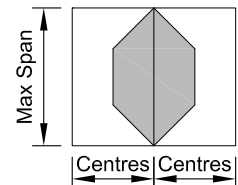


Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
700	2859	2602	2317	2134	2006
800	2744	2499	2228	2054	1932
900	2649	2415	2156	1989	1873
1000	2570	2345	2097	1937	1826
1100	2504	2288	2048	1895	1788
1200	2449	2240	2009	1862	1759
1300	2402	2200	1978	1836	1737
1400	2363	2168	1953	1816	1721
1500	2330	2141	1934	1802	1711

The span data provided for 1300mm-1500mm centres are to be used for concealed door closers/floor springs only

Extrusion: 08015/ 08016

Description: 93mm French Meeting Stiles



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
700	-	-	2881	2651	2490
800	-	-	2765	2546	2392
900	-	2995	2669	2460	2313
1000	-	2903	2590	2388	2247
1100	-	2825	2523	2329	2193
1200	-	2759	2467	2280	2149
1300	2958	2702	2420	2239	2112
1400	2902	2653	2380	2205	2083
1500	2853	2612	2347	2178	2059

The span data provided for 1300mm-1500mm centres are to be used for concealed door closers/floor springs only

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. For advice we recommend you contact APL Technical Advisory Service. Spans not shown are outside recommended maximum sizes.



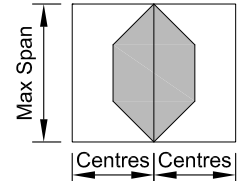
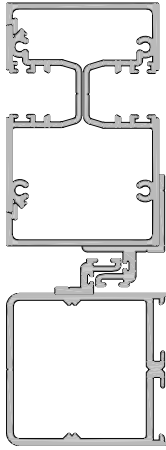
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26.02.19

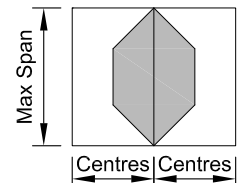
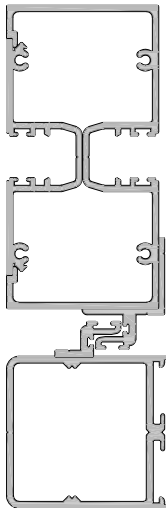
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Extrusion: 08580 / 08003
Description: 80mm Shopfront



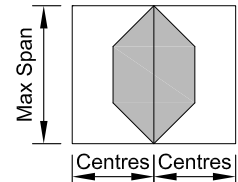
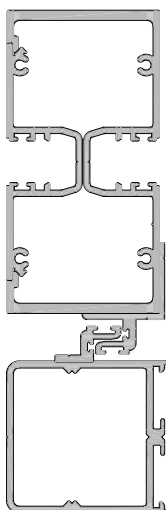
Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	-	2982	2660	2452	2307
1100	-	2901	2590	2391	2251
1200	-	2832	2532	2339	2204
1300	-	2773	2482	2296	2166
1400	2978	2722	2441	2260	2135
1500	2927	2679	2406	2231	2109
1600	2884	2642	2377	2207	2089
1700	2846	2611	2353	2189	2074
1800	2813	2585	2334	2175	2064
1900	2786	2563	2319	2164	2057
2000	2762	2545	2308	2158	2054

Extrusion: 08500 / 08003
Description: 100mm Shopfront



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	-	-	-	2825	2655
1100	-	-	2982	2749	2586
1200	-	-	2910	2685	2528
1300	-	-	2849	2631	2478
1400	-	-	2796	2585	2437
1500	-	-	2750	2545	2402
1600	-	-	2711	2512	2373
1700	-	2981	2678	2485	2349
1800	-	2945	2650	2462	2331
1900	-	2914	2627	2443	2316
2000	-	2888	2607	2429	2305

Extrusion: 08501/ 08003
Description: 100mm Heavy Duty Shopfront



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	-	-	-	-	2870
1100	-	-	-	2971	2794
1200	-	-	-	2900	2728
1300	-	-	-	2838	2672
1400	-	-	-	2786	2625
1500	-	-	2964	2741	2584
1600	-	-	2919	2702	2550
1700	-	-	2880	2669	2521
1800	-	-	2847	2641	2497
1900	-	-	2819	2618	2478
2000	-	-	2795	2599	2463

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. For advice we recommend you contact APL Technical Advisory Service. Spans not shown are outside recommended maximum sizes.



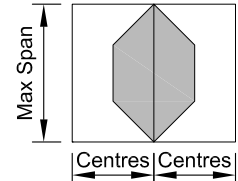
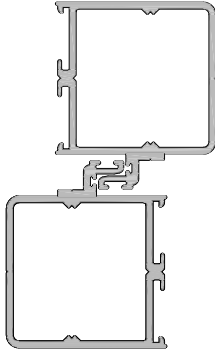
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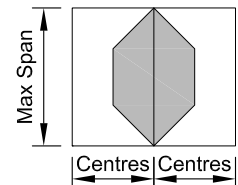
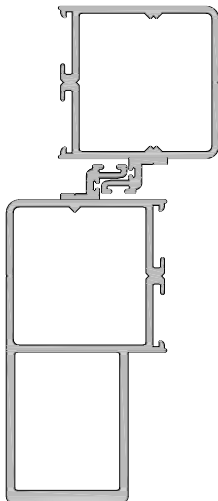
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Extrusion: 08003 / 08003
Description: Interlocker Stile



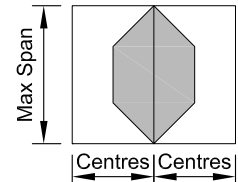
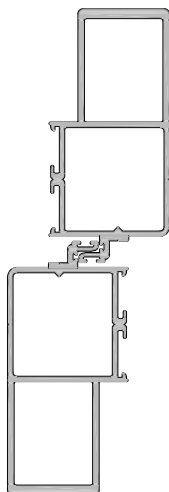
Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	2600	2372	2120	1959	1846
1100	2533	2313	2071	1916	1808
1200	2476	2264	2031	1882	1778
1300	2429	2224	1999	1855	1755
1400	2389	2191	1973	1835	1738
1500	2355	2164	1954	1820	1727
1600	2328	2142	1939	1810	1720
1700	2306	2125	1929	1804	1718
1800	2288	2113	1923	1802	1718
1900	2274	2105	1920	1802	1718
2000	2265	2100	1920	1802	1718

Extrusion: 08003 / 08010
Description: Heavy Duty Interlocker Stile



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	-	-	-	2921	2745
1100	-	-	-	2842	2673
1200	-	-	-	2775	2612
1300	-	-	2944	2718	2559
1400	-	-	2888	2669	2515
1500	-	-	2840	2627	2478
1600	-	-	2798	2591	2447
1700	-	-	2763	2562	2421
1800	-	-	2732	2537	2400
1900	-	-	2707	2516	2384
2000	-	2977	2686	2500	2367

Extrusion: 08010 / 08010
Description: Heavy Duty Interlocker Stile



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	-	-	-	-	-
1100	-	-	-	-	-
1200	-	-	-	-	-
1300	-	-	-	-	-
1400	-	-	-	-	2974
1500	-	-	-	-	2923
1600	-	-	-	-	2879
1700	-	-	-	-	2842
1800	-	-	-	2976	2809
1900	-	-	-	2944	2782
2000	-	-	-	2917	2759

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. For advice we recommend you contact APL Technical Advisory Service. Spans not shown are outside recommended maximum sizes.



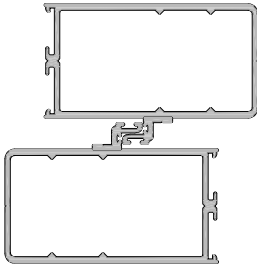
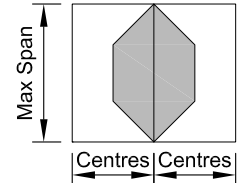
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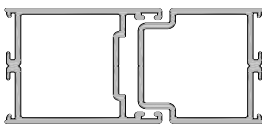
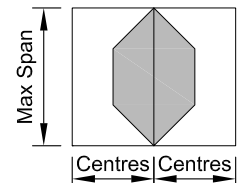
SCALE
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Extrusion: 08013 / 08013
Description: 93mm Interlocker Stile



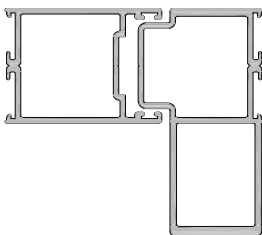
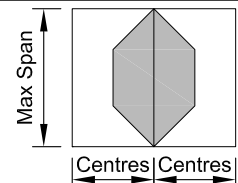
Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	-	2906	2593	2391	2250
1100	-	2828	2526	2332	2196
1200	-	2762	2469	2282	2151
1300	2961	2705	2422	2241	2115
1400	2905	2656	2382	2207	2085
1500	2856	2615	2349	2180	2061
1600	2814	2580	2322	2158	2043
1700	2778	2550	2300	2140	2030
1800	2748	2525	2282	2128	2020
1900	2722	2505	2269	2119	2015
2000	2700	2489	2259	2114	2013

Extrusion: 08007 / 08008
Description: Female / Male Four Panel Jointer



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	2672	2437	2178	2012	1895
1100	2602	2376	2127	1967	1855
1200	2543	2325	2085	1931	1823
1300	2494	2283	2050	1902	1799
1400	2452	2247	2023	1880	1780
1500	2416	2218	2002	1864	1767
1600	2387	2195	1985	1852	1759
1700	2363	2177	1974	1845	1755
1800	2344	2163	1966	1841	1755
1900	2329	2153	1962	1841	1755
2000	2317	2147	1962	1841	1755

Extrusion: 08007 / 08009
Description: Heavy Duty Four Panel Jointer



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	-	-	-	-	2825
1100	-	-	-	2924	2750
1200	-	-	-	2855	2686
1300	-	-	-	2795	2631
1400	-	-	2970	2744	2585
1500	-	-	2919	2700	2546
1600	-	-	2875	2662	2513
1700	-	-	2838	2630	2485
1800	-	-	2806	2603	2462
1900	-	-	2778	2581	2444
2000	-	-	2755	2563	2430

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. For advice we recommend you contact APL Technical Advisory Service. Spans not shown are outside recommended maximum sizes.



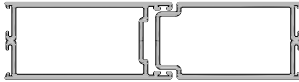
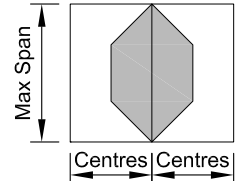
MAGNUM 50 DOOR
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CAD REF. VCMD21-0

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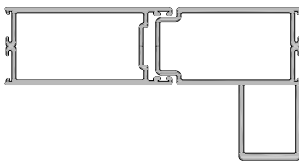
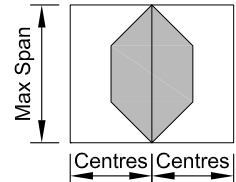
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Extrusion: 08017 / 08018
Description: 93mm Four Panel Jointer



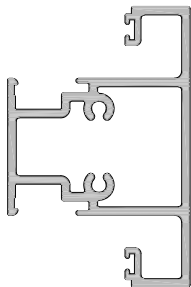
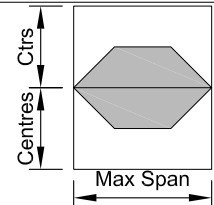
Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	-	2939	2622	2418	2275
1100	-	2860	2554	2357	2220
1200	-	2792	2497	2307	2174
1300	2994	2734	2448	2265	2137
1400	2937	2685	2408	2230	2106
1500	2887	2643	2374	2202	2082
1600	2844	2607	2346	2179	2063
1700	2808	2576	2323	2161	2049
1800	2776	2551	2305	2148	2039
1900	2749	2530	2291	2139	2033
2000	2727	2514	2281	2133	2031

Extrusion: 08017 / 08019
Description: Heavy Duty Four Panel Jointer



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
1000	-	-	-	-	-
1100	-	-	-	-	-
1200	-	-	-	-	-
1300	-	-	-	-	2975
1400	-	-	-	-	2918
1500	-	-	-	-	2869
1600	-	-	-	2999	2827
1700	-	-	-	2958	2791
1800	-	-	-	2923	2760
1900	-	-	-	2892	2734
2000	-	-	-	2867	2712

Extrusion: 08030
Description: 74mm Vision Rail



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
500	2512	2285	2033	1871	1757
600	2372	2159	1923	1771	1665
700	2263	2061	1838	1695	1595
800	2176	1984	1773	1637	1542
900	2106	1923	1721	1592	1502
1000	2049	1874	1681	1558	1462
1100	2003	1835	1650	1532	1430
1200	1965	1804	1627	1514	1409
1300	1935	1780	1610	1498	1397
1400	1912	1762	1599	1488	1394
1500	1894	1750	1593	1485	1394

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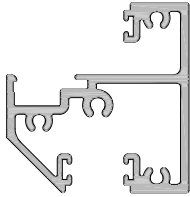
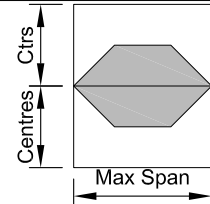
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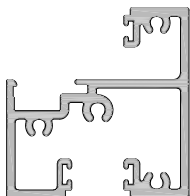
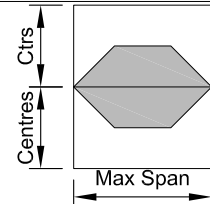
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Extrusion: 08031
Description: 50mm Sloped Vision Rail



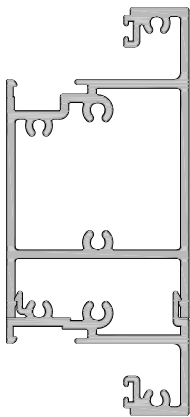
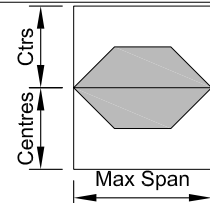
Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
500	2401	2184	1944	1789	1680
600	2267	2064	1839	1694	1593
700	2164	1972	1759	1623	1527
800	2082	1899	1698	1568	1475
900	2016	1842	1650	1527	1419
1000	1963	1796	1613	1494	1380
1100	1920	1760	1585	1460	1353
1200	1886	1732	1564	1436	1337
1300	1859	1711	1550	1423	1331
1400	1838	1696	1541	1418	1330
1500	1823	1687	1538	1418	1330

Extrusion: 08032
Description: 50mm Square Vision Rail



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
500	2572	2339	2082	1916	1799
600	2428	2210	1968	1813	1704
700	2316	2110	1881	1735	1632
800	2227	2030	1813	1674	1577
900	2154	1967	1760	1627	1535
1000	2095	1916	1718	1591	1503
1100	2047	1875	1685	1564	1480
1200	2008	1842	1660	1545	1464
1300	1977	1817	1642	1531	1451
1400	1952	1798	1630	1523	1444
1500	1933	1785	1623	1520	1444

Extrusion: 08025 / 08028
Description: Top Rail With Glazing Adaptor



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
500	2995	2723	2422	2228	2092
600	2825	2570	2287	2105	1978
700	2692	2450	2183	2011	1890
800	2584	2354	2100	1936	1822
900	2496	2276	2033	1877	1768
1000	2424	2212	1979	1830	1726
1100	2363	2160	1936	1793	1693
1200	2312	2117	1901	1764	1668
1300	2270	2081	1874	1741	1649
1400	2235	2053	1853	1725	1637
1500	2207	2030	1837	1714	1629

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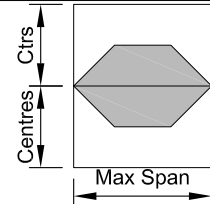
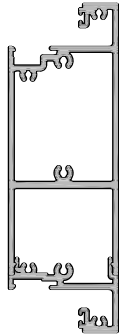
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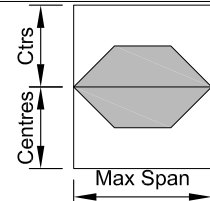
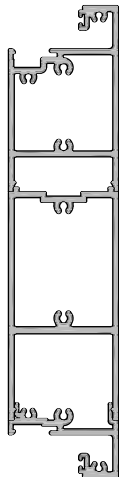
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Extrusion: 08060 / 08028
Description: Vision Rail



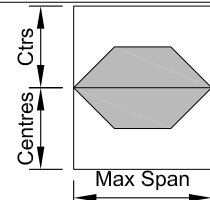
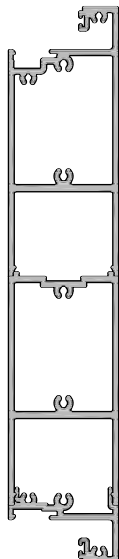
Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
500	-	-	2684	2468	2317
600	-	2847	2533	2331	2189
700	2981	2712	2415	2224	2090
800	2860	2604	2321	2139	2011
900	2760	2515	2245	2071	1949
1000	2677	2442	2182	2015	1898
1100	2607	2380	2130	1970	1858
1200	2548	2329	2088	1934	1826
1300	2498	2287	2054	1905	1802
1400	2456	2251	2026	1883	1783
1500	2421	2222	2005	1867	1770

Extrusion: 08025 / 08061 / 08028
Description: Vision Rail



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
500	-	-	-	2795	2623
600	-	-	2866	2637	2475
700	-	-	2731	2514	2361
800	-	2944	2622	2415	2269
900	-	2840	2532	2334	2195
1000	-	2754	2458	2268	2134
1100	2940	2681	2396	2213	2085
1200	2870	2620	2344	2168	2044
1300	2809	2568	2301	2131	2012
1400	2757	2523	2265	2101	1986
1500	2713	2486	2236	2077	1965

Extrusion: 08060 / 08061 / 08028
Description: Vision Rail



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
500	-	-	-	2829	2655
600	-	-	2902	2669	2506
700	-	-	2764	2544	2390
800	-	2980	2654	2444	2297
900	-	2875	2563	2362	2221
1000	-	2787	2487	2295	2160
1100	2975	2713	2424	2239	2109
1200	2904	2651	2372	2193	2068
1300	2842	2597	2328	2155	2034
1400	2790	2552	2291	2124	2007
1500	2744	2514	2261	2099	1986

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. For advice we recommend you contact APL Technical Advisory Service. Spans not shown are outside recommended maximum sizes.



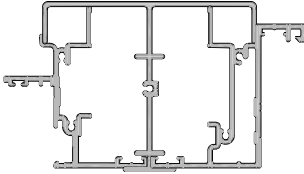
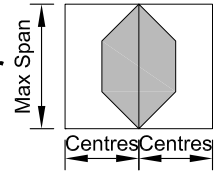
MAGNUM 50 DOOR
SPAN TABLES

CAD REF. VCMD24-0

DATE
26.02.19

SCALE
NTS

Extrusion: 08600 / 08040 / 08001
Description: 40mm To Magum Door Coupling Bar



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
700	-	-	-	2851	2677
800	-	-	2972	2736	2570
900	-	-	2868	2642	2483
1000	-	-	2780	2563	2410
1100	-	-	2707	2497	2350
1200	-	2960	2644	2442	2300

Spans are the maximum calculated allowable, based on NZS4211:2008, which requires that the member deflection at serviceability wind pressure (SWP) shall not exceed 1/200 of the span. Hardware and componentry may further restrict the spans. For advice we recommend you contact APL Technical Advisory Service. Spans not shown are outside recommended maximum sizes.