



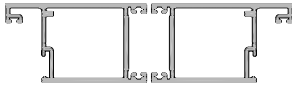
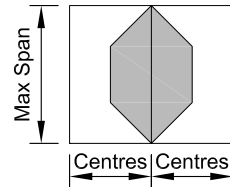
# BI-FOLD DOOR SPAN TABLES

CAD REF. VBDST01-0

DATE  
01.04.19

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1:2

## Extrusion: 05471/05471 Description: Bi-fold Stiles

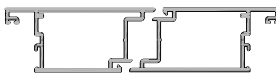
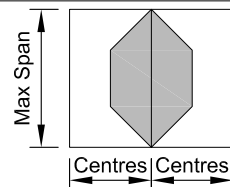


Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High <sup>1</sup>
500	2926	2661	2367	2177	2044
600	2761	2512	2236	2058	1933
700	2631	2395	2134	1966	1848
800	2526	2302	2053	1894	1782
900	2441	2226	1989	1837	1730

Maximum panel width = 900mm      Problems may be experienced when operating the locking gear  
Maximum panel weight = 50kg      and sliding the panels with spans over 2400mm.

1. Inward opening Bifold doors, and any configuration that contains the 05474 2+1 Stile do not comply with waterpass requirements in a Extra High wind zone so are limited to a maximum of a Very High wind zone

## Extrusion: 02498/02499 Description: Bi-fold French Stiles

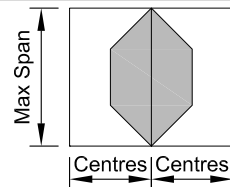


Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High <sup>1</sup>
500	3152	2866	2548	2344	2200
600	2972	2703	2406	2214	2079
700	2831	2576	2295	2114	1986
800	2717	2475	2206	2034	1913
900	2624	2391	2135	1970	1855

Maximum panel width = 900mm      Problems may be experienced when operating the locking gear  
Maximum panel weight = 50kg      and sliding the panels with spans over 2400mm.

1. Inward opening Bifold doors, and any configuration that contains the 05474 2+1 Stile do not comply with waterpass requirements in a Extra High wind zone so are limited to a maximum of a Very High wind zone

## Extrusion: 05477/05474 Description: Bi-fold 2+1 Stiles



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High <sup>1</sup>
500	2797	2543	2262	2081	NA
600	2639	2401	2138	1968	NA
700	2515	2290	2041	1881	NA
800	2416	2202	1965	1813	NA
900	2336	2131	1905	1760	NA

Maximum panel width = 900mm      Problems may be experienced when operating the locking gear  
Maximum panel weight = 50kg      and sliding the panels with spans over 2400mm.

1. Inward opening Bifold doors, and any configuration that contains the 05474 2+1 Stile do not comply with waterpass requirements in a Extra High wind zone so are limited to a maximum of a Very High wind zone

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



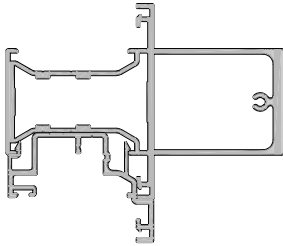
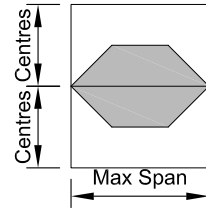
**BI-FOLD DOOR**  
SPAN TABLES

CAD REF. VBDST02-0

DATE  
01.04.19

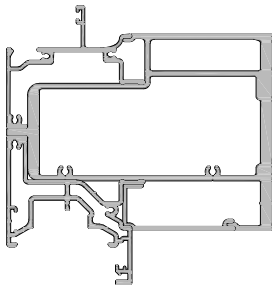
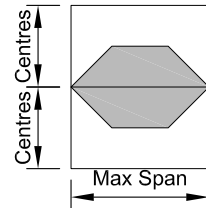
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**Extrusion: 05484/05486**  
**Description: Heavy Duty Overlight Transom**



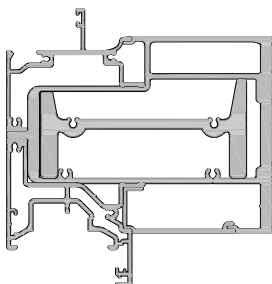
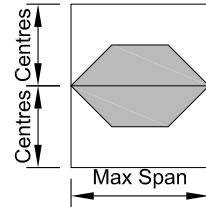
Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
2000/500	3747*	3422	3069	2843	NA
2100/500	3713*	3394	3047	2826	NA
2200/500	3684*	3370	3029	2812	NA
2300/500	3657*	3348	3014	2800	NA
2400/500	3629*	3329	3001	2791	NA

**Extrusion: 05145/05413/05402**  
**Description: Overlight Coupling Bar**



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
2000/500	4935*	4500*	4020*	3712*	NA
2100/500	4883*	4455*	3982*	3679*	NA
2200/500	4835*	4413*	3948*	3650*	NA
2300/500	4790*	4375*	3917*	3624*	NA
2400/500	4748*	4339*	3889*	3600	NA

**Extrusion: 05145/05413/05402/08537**  
**Description: Overlight Coupling Bar (Stiffened)**



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High
500	5589*	5092*	4543*	4191*	NA
600	5527*	5038*	4497*	4150*	NA
700	5469*	4987*	4455*	4113*	NA
800	5415*	4940*	4416*	4080*	NA
900	5365*	4897*	4380*	4049*	NA

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. Spans with asterisk will meet code requirements but will have max deflection greater than 18mm. For advice we recommend you contact APL Technical Advisory Service