



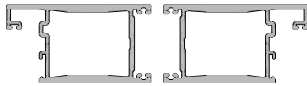
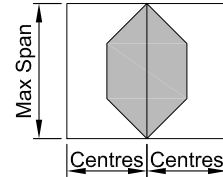
METRO SERIES, BI-FOLD DOOR
SPAN TABLES

CAD REF. VMBD09-0

DATE
01.03.17

SCALE
NTS

Extrusion: 02945/02945
Description: Bi-fold Stiles

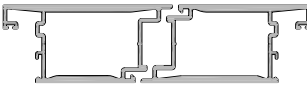
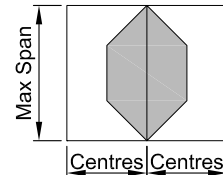


Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High ¹
500	3539	3217	2860	2630	2469
600	3336	3033	2698	2483	2331
700	3175	2889	2572	2368	2224
800	3045	2772	2470	2276	2139
900	2938	2676	2387	2201	2071

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 02959 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: 02941/02942
Description: Bi-fold Stiles

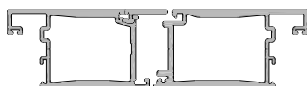
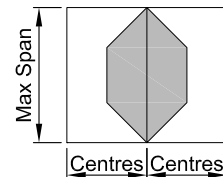


Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High ¹
500	3687*	3352	2980	2740	2572
600	3475	3160	2811	2586	2428
700	3308	3009	2678	2465	2315
800	3172	2887	2571	2368	2226
900	3059	2786	2484	2290	2154

Maximum panel width = 900mm Problems may be experienced when operating the locking gear
Maximum panel weight = 60kg and sliding the panels with spans over 2400mm.

1. Inward opening Bifold doors, and any configuration that contains the 02959 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: 02989/05476/02959
Description: Bi-fold Stiles



Centres	Spans for each wind zone				
	Low	Medium	High	Very High	Extra High ¹
500	3391	3082	2741	2521	NA
600	3196	2907	2586	2380	NA
700	3044	2769	2466	2270	NA
800	2920	2658	2369	2183	NA
900	2818	2567	2290	2113	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 02959 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. Spans with asterix will meet requirements but will have a max deflection greater than 18mm. Hardware and componentry may further restrict the spans. For advice we recommend you contact APL Technical Advisory Service



METRO SERIES, BI-FOLD DOOR

SPAN TABLES

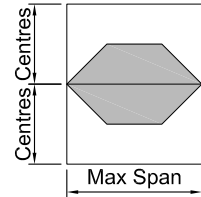
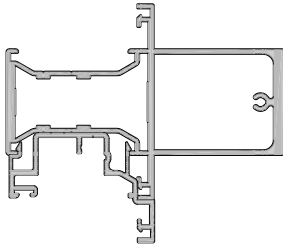
CAD REF. VMBD10-0

DATE
01.06.11

SCALE
NTS

Extrusion: 05484/05486

Description: Heavy Duty Overlight Transom



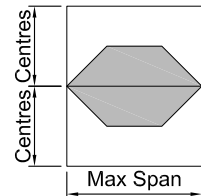
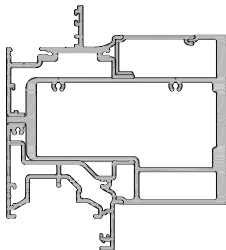
Centres	Spans for each wind zone			
	Low	Medium	High	Very High
2000/500	3662	3342	2979	2751
2100/500	3619	3303	2946	2721
2200/500	3578	3267	2915	2693
2300/500	3540	3233	2886	2666
2400/500	3504	3201	2858	2641

The span table above can also be used as a guide for other configurations by following the formula below. For every 100mm you take off the Overlight or Door height, you can add 50mm onto the span.

Example : Overlight = 400 Door = 2400 Span = 2691 @ Very High

Extrusion: 08678/02920/02925/04462

Description: Box Coupled Overlight



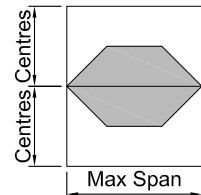
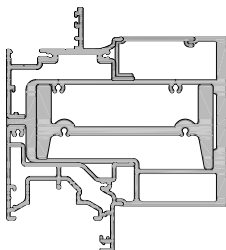
Centres	Spans for each wind zone			
	Low	Medium	High	Very High
2000/500	4743	4323	3847	3545
2100/500	4685	4271	3801	3504
2200/500	4630	4222	3758	3465
2300/500	4578	4175	3718	3428
2400/500	4529	4131	3679	3393

The span table above can also be used as a guide for other configurations by following the formula below. For every 100mm you take off the Overlight or Door height, you can add 50mm onto the span.

Example : Overlight = 400 Door = 2400 Span = 3443 @ Very High

Extrusion: 08678/02920/08537/02925/04462

Description: Box Coupled Overlight (Stiffened)



Centres	Spans for each wind zone			
	Low	Medium	High	Very High
2000/500	5436	4952	4403	4056
2100/500	5368	4891	4350	4007
2200/500	5305	4834	4300	3962
2300/500	5244	4779	4252	3918
2400/500	5187	4728	4207	3877

The span table above can also be used as a guide for other configurations by following the formula below. For every 100mm you take off the Overlight or Door height, you can add 50mm onto the span.

Example : Overlight = 400 Door = 2400 Span = 3927 @ Very High

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