



ALBEPorta®



Performance Sliding Door **PSD02**

Designed and tested according to MS1017



**LB
ALUMINIUM
BERHAD**

198501006093 (138535-V)

Product

ALBEPorta PSD02

Typical Technical Features

Inner Frame Thickness	: 1.30mm - 1.50mm
Inner Frame Depth	: 32.00mm
Inner Frame Width	: 50.00mm - 70.00mm
Outer Frame	: 2 & 3 Tracks
Outer Frame Depth	: 80.00mm - 130.00mm
Corner Joints	: Mortise Joints
Glazing Gap	: 12.00mm
Locking System	: Single-point & Multipoint



Other Features

Good Aesthetics
In-built Fixed Panels

Performance Test

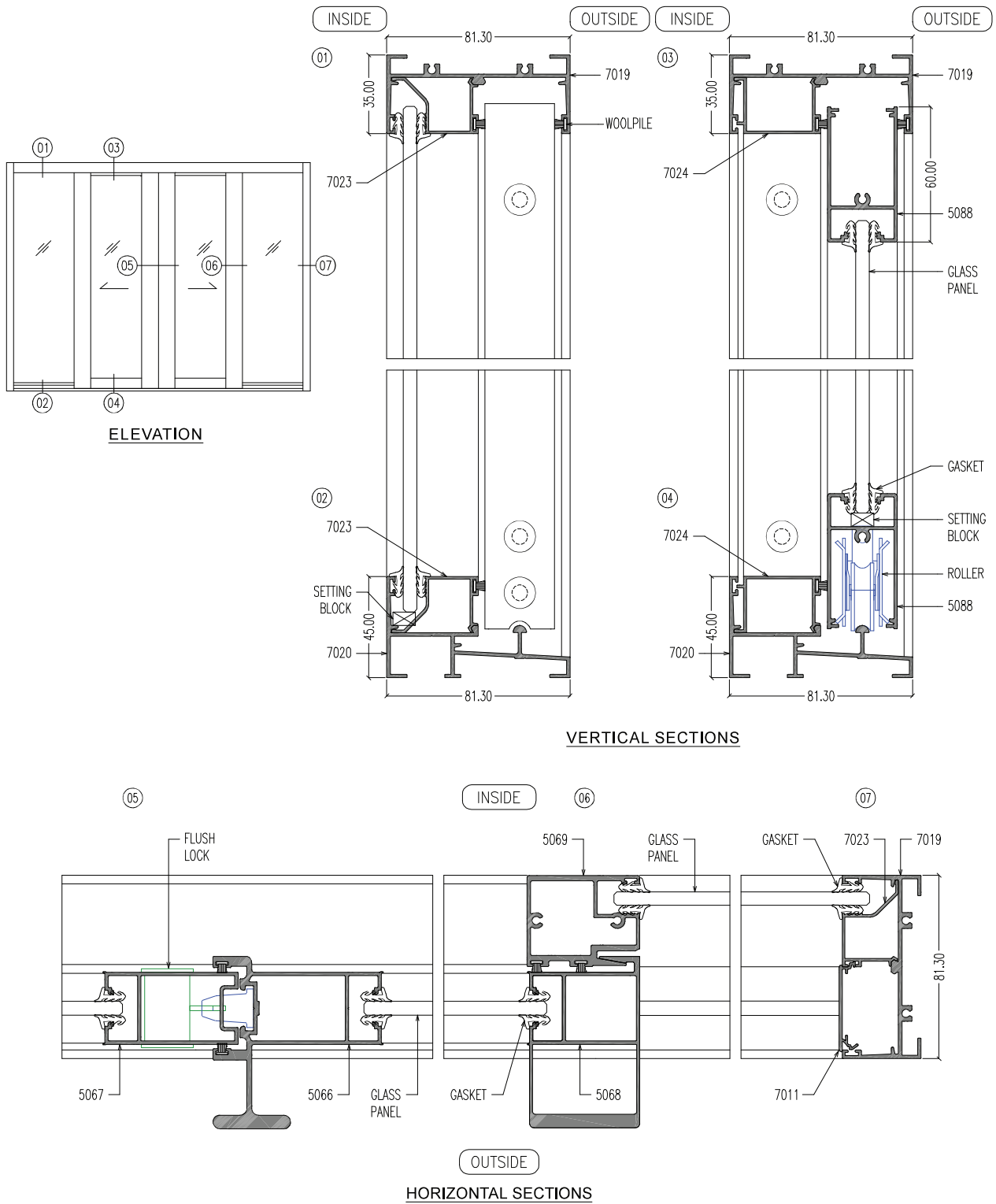
This sliding door suite had been tested in compliance to MS 1017:2022 performance test procedure for:-

1. 1200Pa windload : Passed
2. 180Pa air leakage : Passed
3. 240Pa water infiltration : Passed

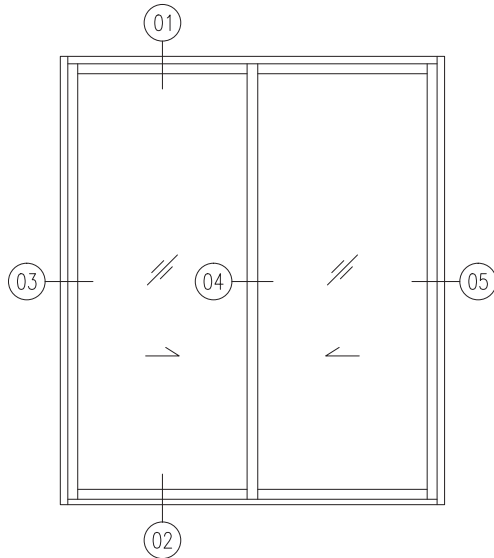
Note: Test report available upon request.



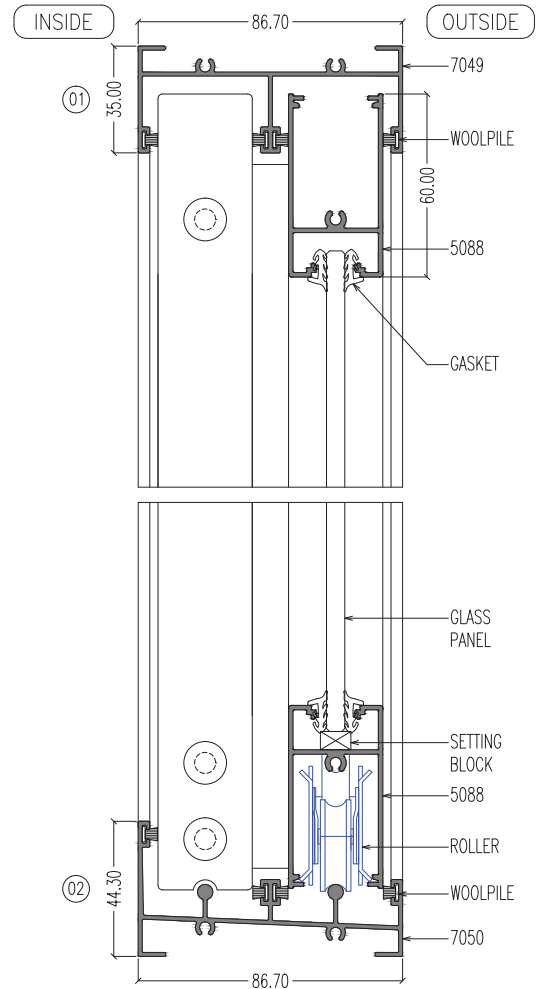
Typical Assembly Details



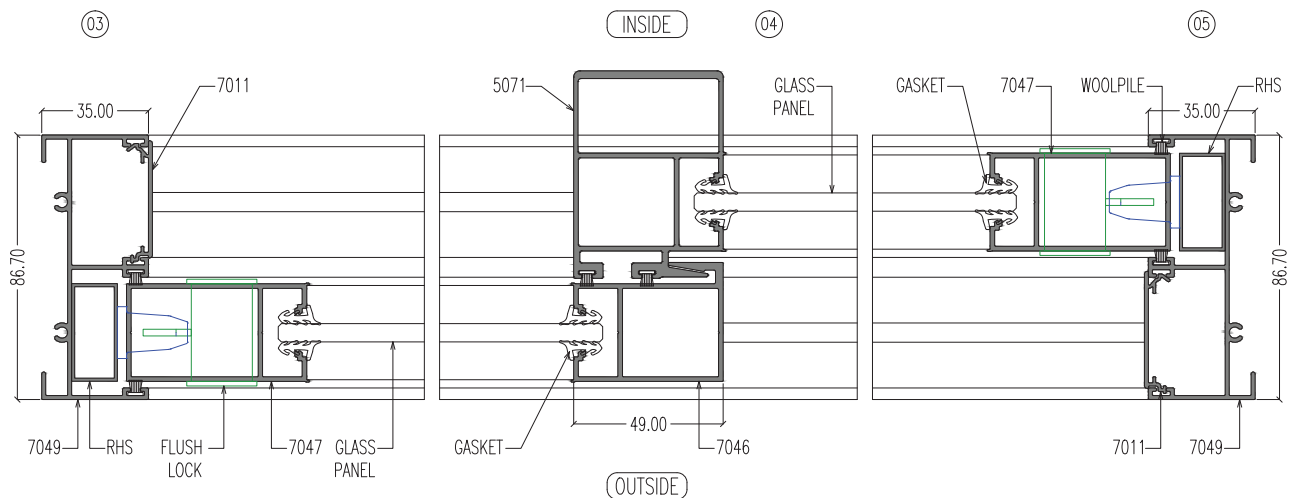
Typical Assembly Details



ELEVATION

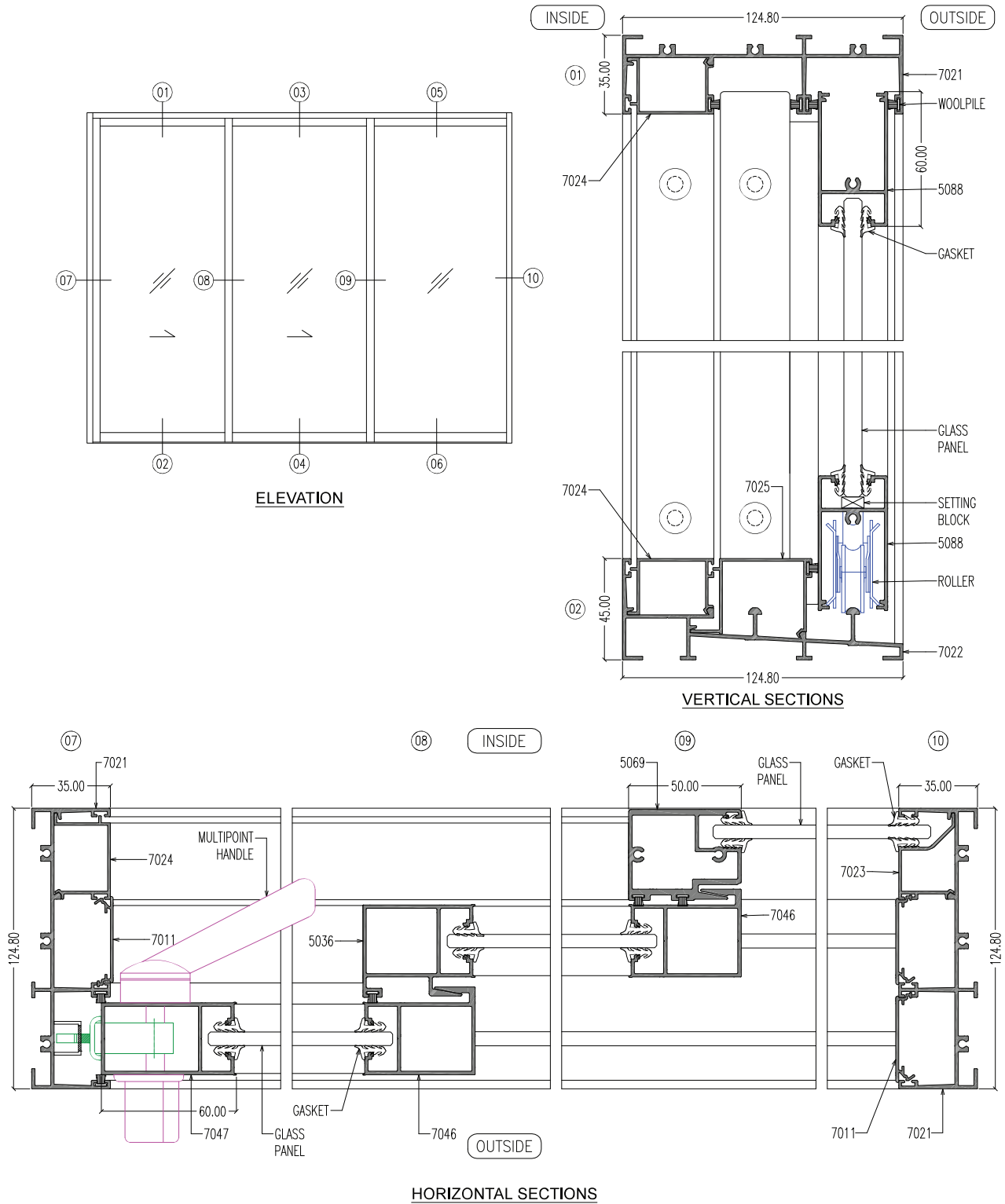


VERTICAL SECTIONS

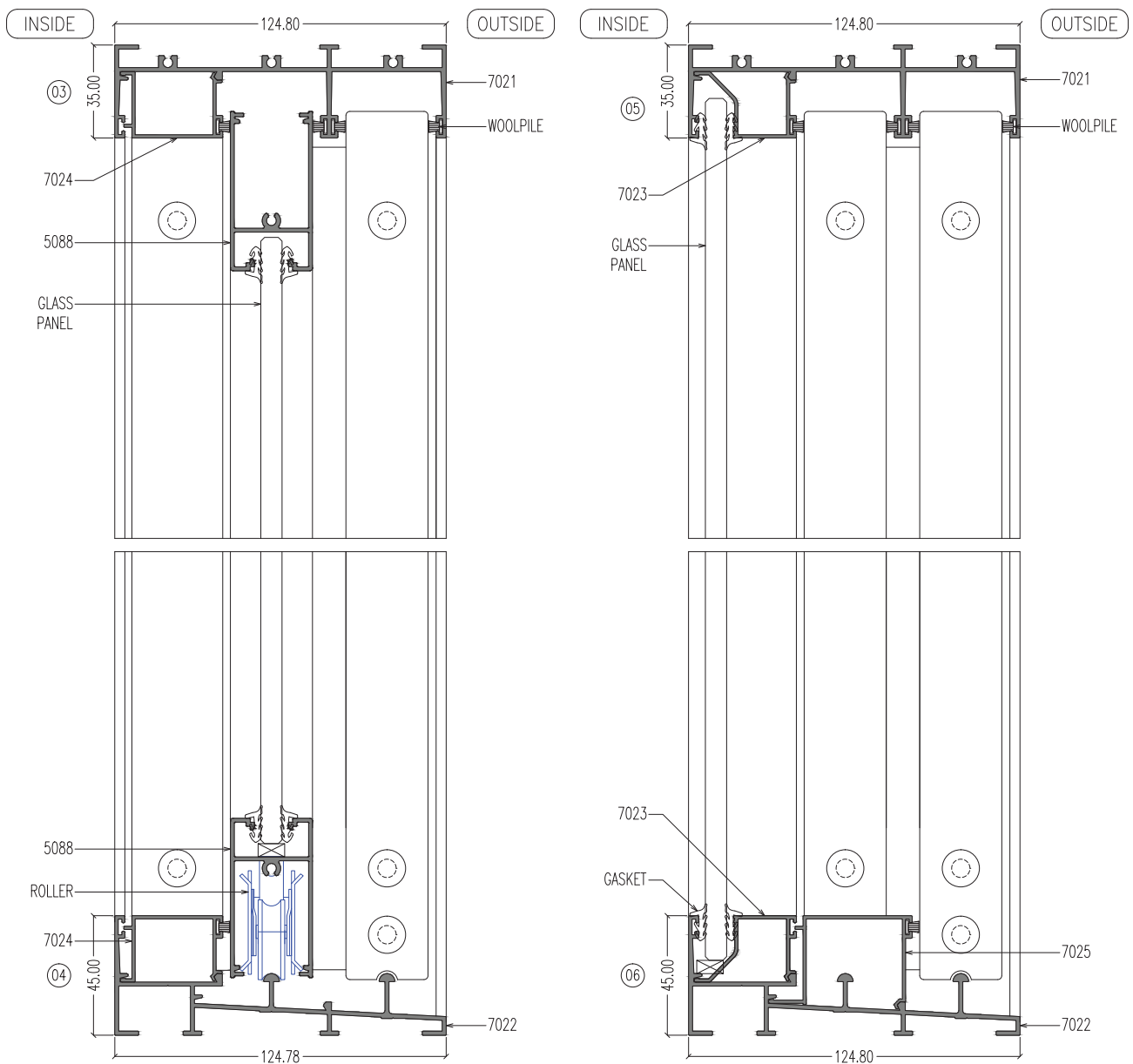


HORIZONTAL SECTIONS

Typical Assembly Details



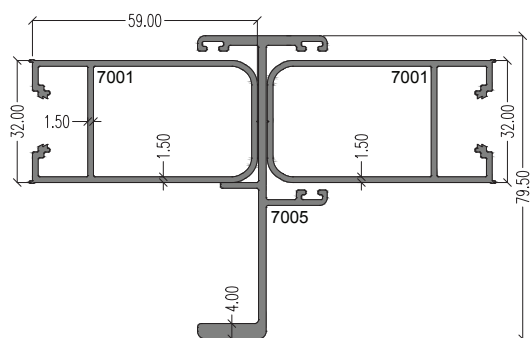
Typical Assembly Details



VERTICAL SECTIONS

Wind Load Chart

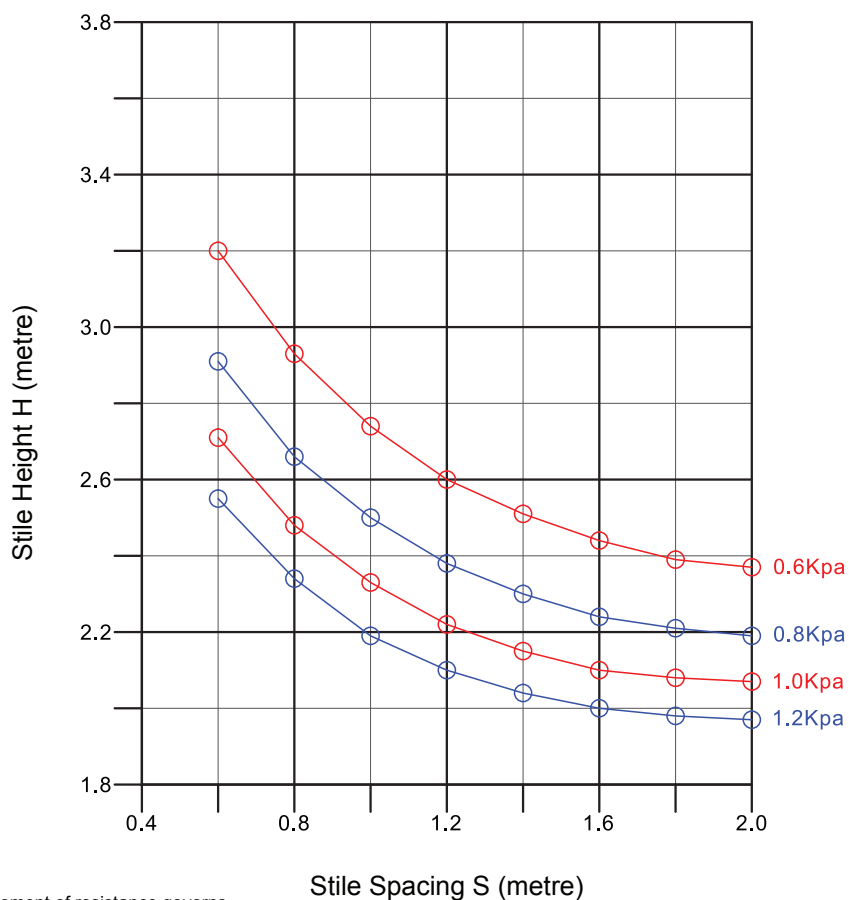
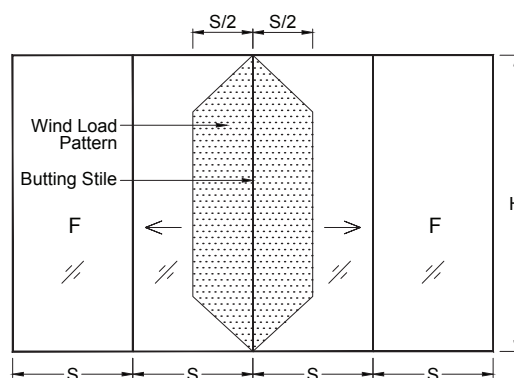
BUTTING STILE - Assembly of Sections 7001x2 & 7005
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 38.5 cm^4
 Mod. of Inertia Z_{xx} : 77.0 cm^3



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
 Design bend. stress : $1.25 \times 67^6 \text{ N/m}^2$
 Deflection limit : $\text{Span}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

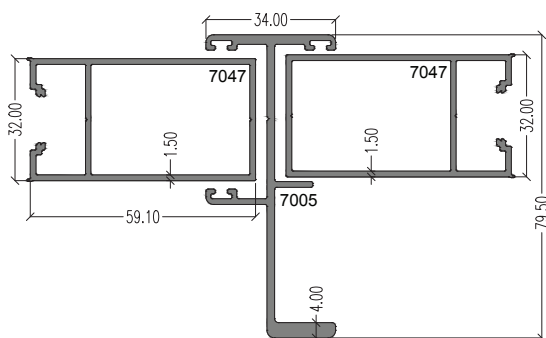
Typical configuration of sliding door :



Note:
 ○ Deflection limit governs , ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

Wind Load Chart

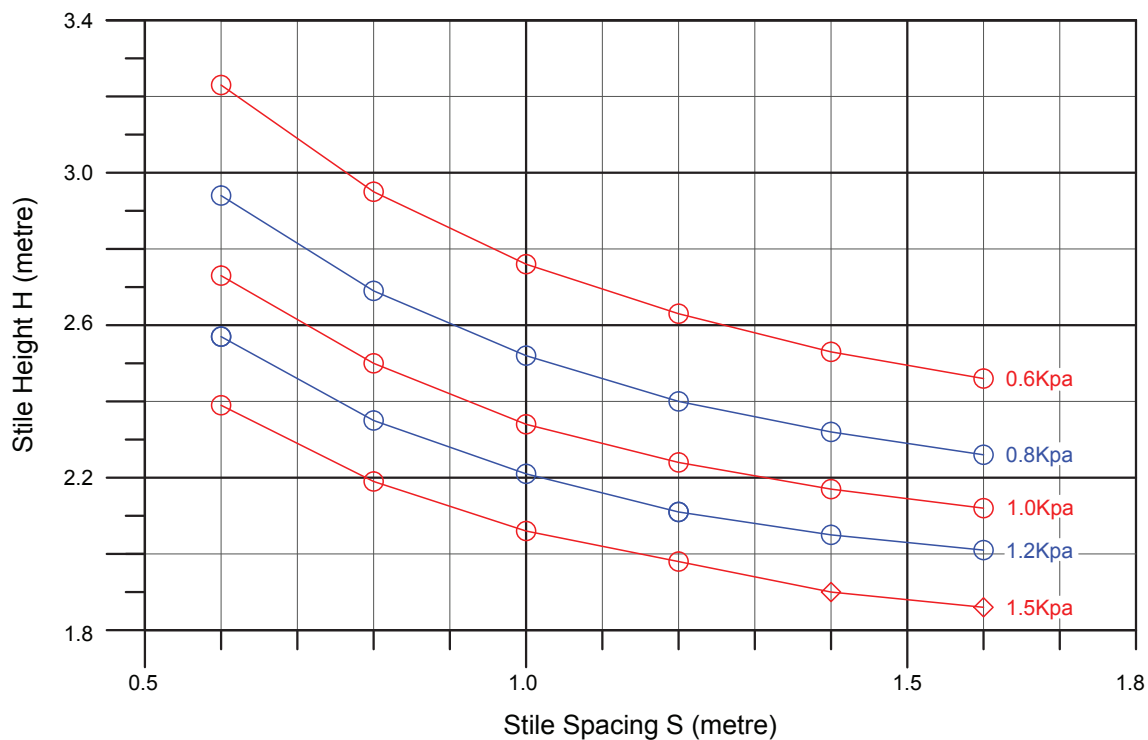
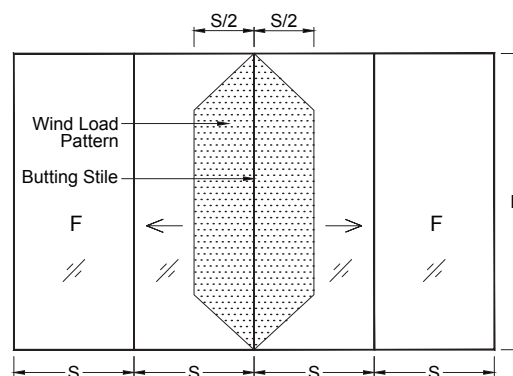
BUTTING STILE - Assembly of Sections 7047x2 & 7005
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 38.9 cm^4
 Overall moment of Resistance MR_{xx} : 777 n-m



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
 Design bend. stress : $1.25 \times 67^6 \text{ N/m}^2$
 Deflection limit : $S_{\text{pan}}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

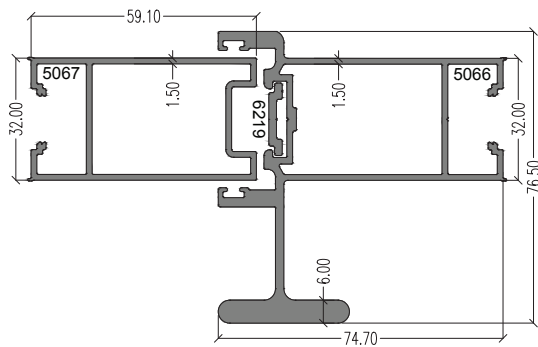
Typical configuration of sliding door :



Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

Wind Load Chart

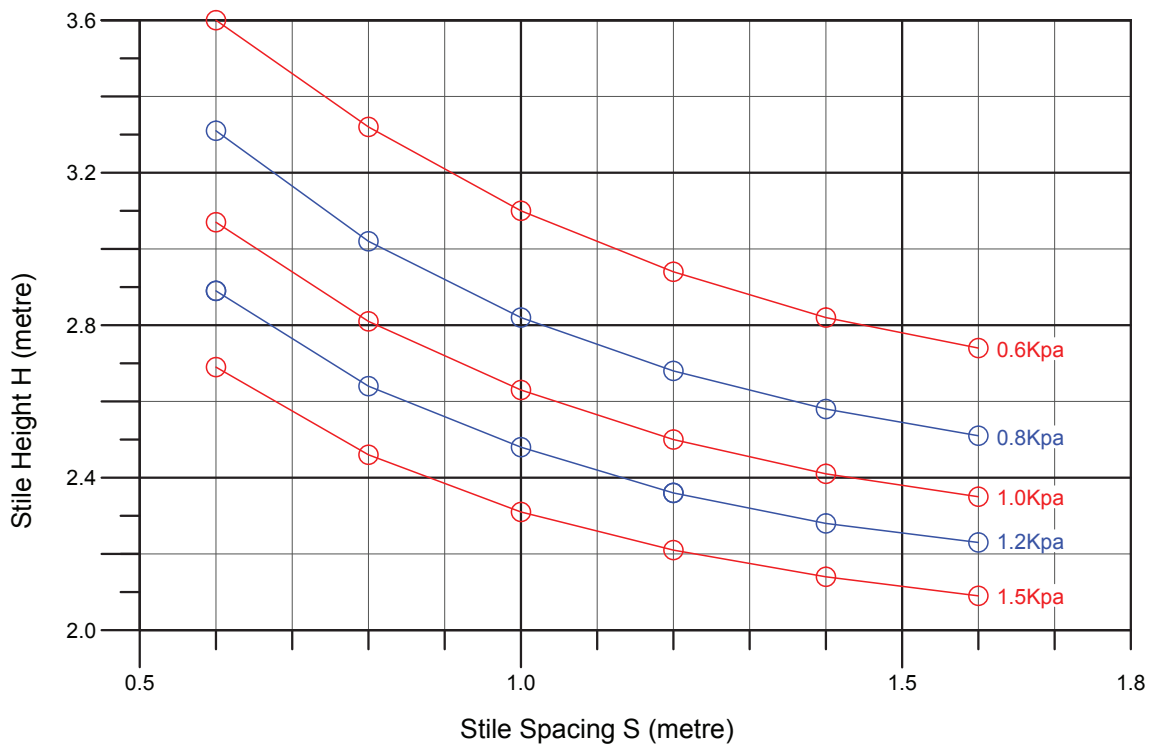
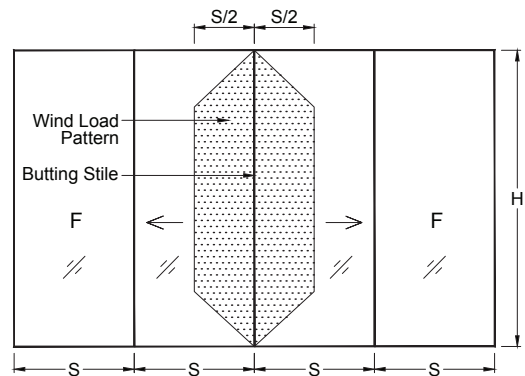
BUTTING STILE - Assembly of Sections 5066 & 5067
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 55.7 cm⁴
 Overall moment of Resistance MR_{xx} : 1182 n-m



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : 70×10^9 N/m²
 Design bend. stress : 1.25×67^6 N/m²
 Deflection limit : $S_{pan}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :



Note:

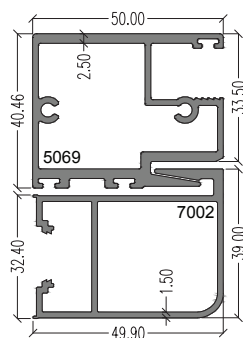
- Deflection limit governs
- ◇ Moment of resistance governs

- Buckling has not been taken into account in this chart

- This windload chart is solely for reference only

Wind Load Chart

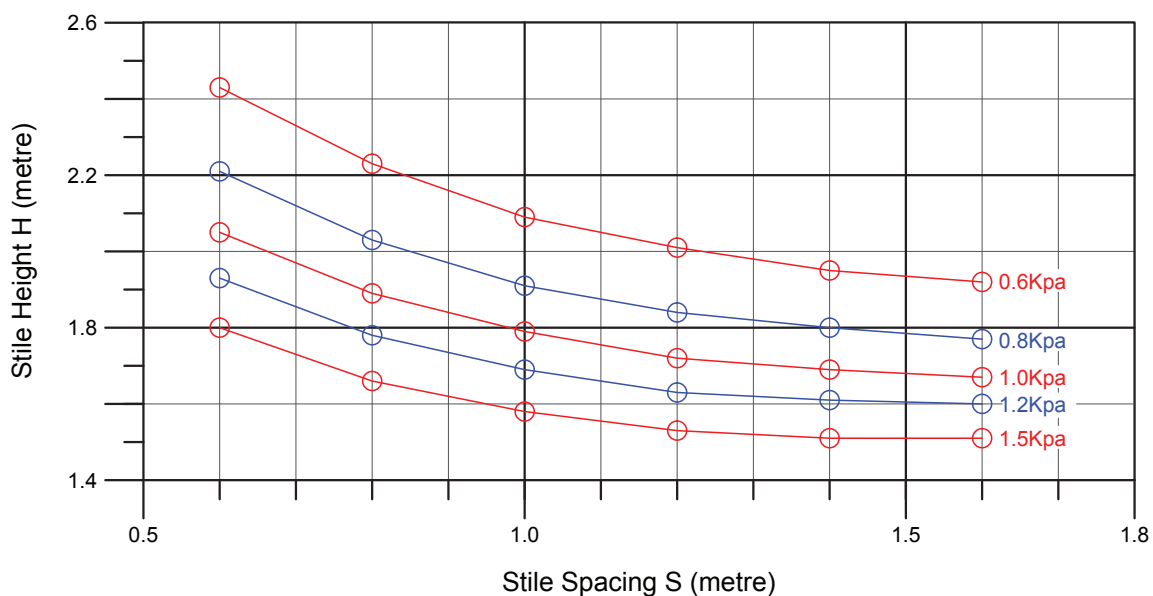
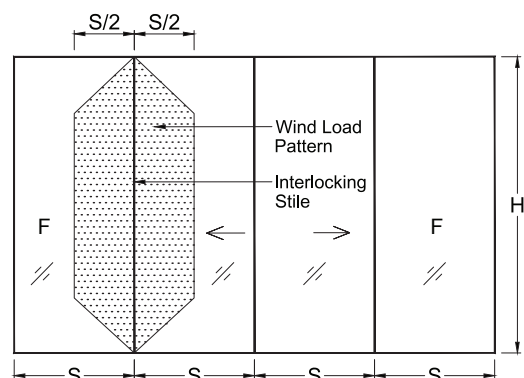
INTERLOCKING STILE - Assembly of Sections 5069 x 7002
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 16.3 cm^4
 Overall moment of Resistance MR_{xx} : 642 n-m



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
 Design bend. stress : $1.25 \times 67^6 \text{ N/m}^2$
 Deflection limit : $\frac{\text{Span}}{175}$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :

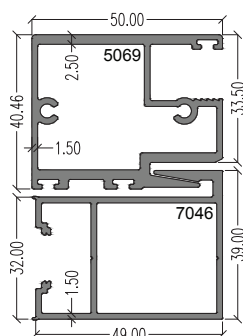


Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

Wind Load Chart

INTERLOCKING STILE - Assembly of Sections 5069 & 7046

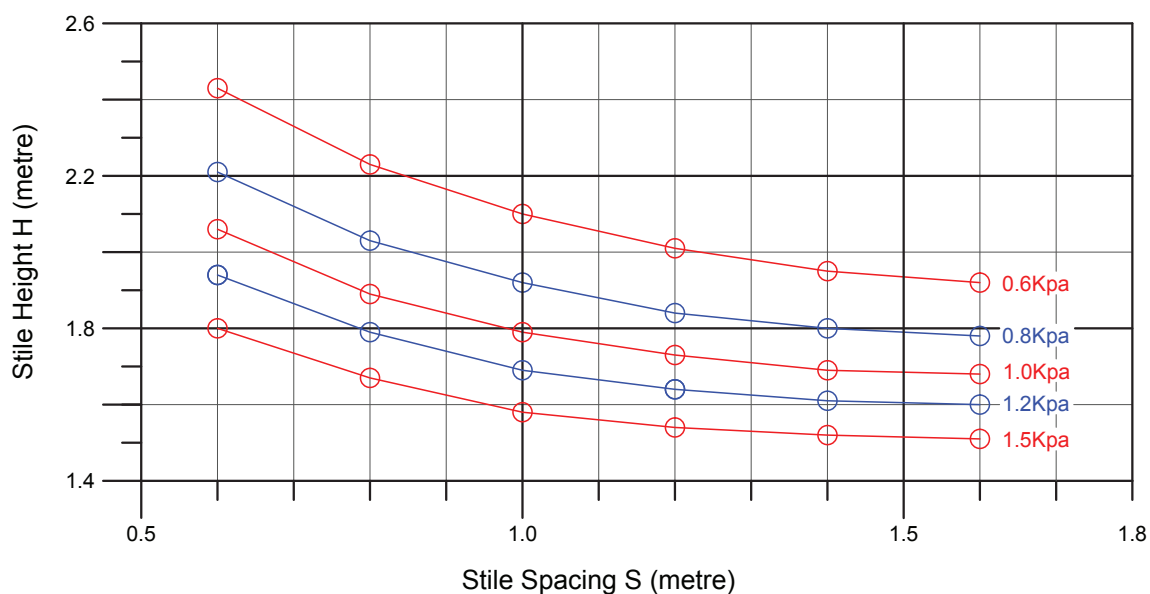
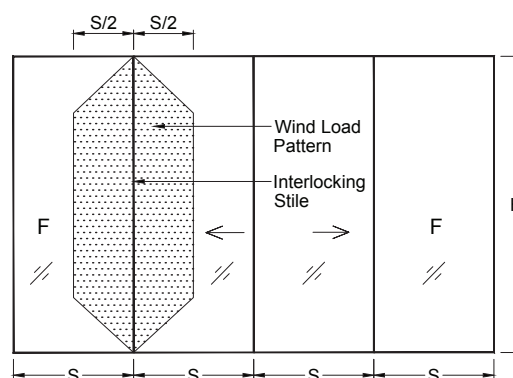
Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 16.4 cm^4
 Overall moment of Resistance MR_{xx} : 646 n-m



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
 Design bend. stress : $1.25 \times 67^6 \text{ N/m}^2$
 Deflection limit : $\text{Span}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :



Note:

- Deflection limit governs
- ◇ Moment of resistance governs

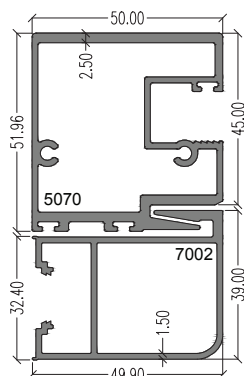
- Buckling has not been taken into account in this chart

- This windload chart is solely for reference only

Wind Load Chart

INTERLOCKING STILE - Assembly of Sections 5070 x 7002

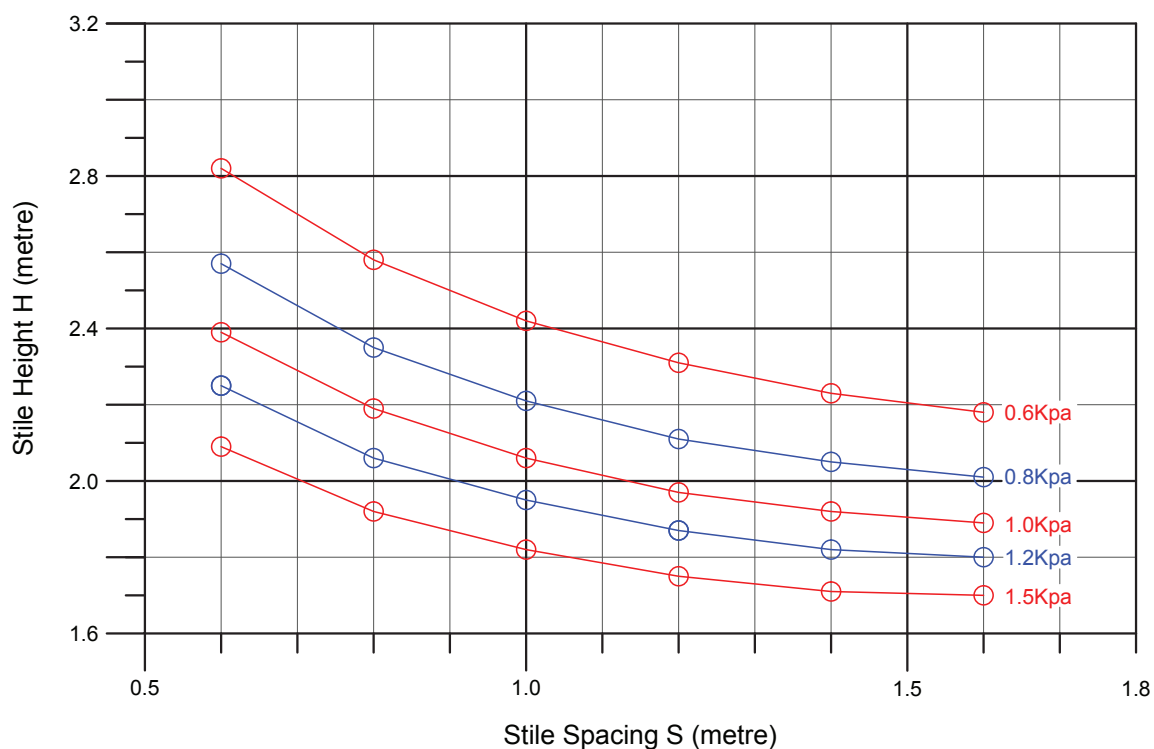
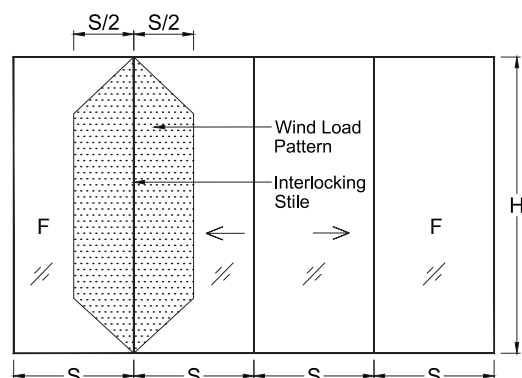
Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 25.8 cm^4
 Overall moment of Resistance MR_{xx} : 800 n-m



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
 Design bend. stress : $1.25 \times 67^6 \text{ N/m}^2$
 Deflection limit : $S_{\text{pan}}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :

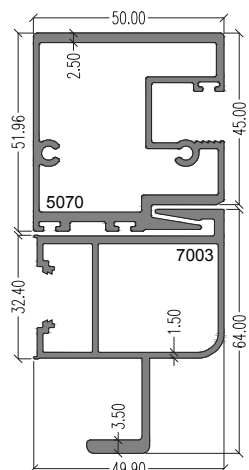


Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

Wind Load Chart

INTERLOCKING STILE - Assembly of Sections 5070 x 7003

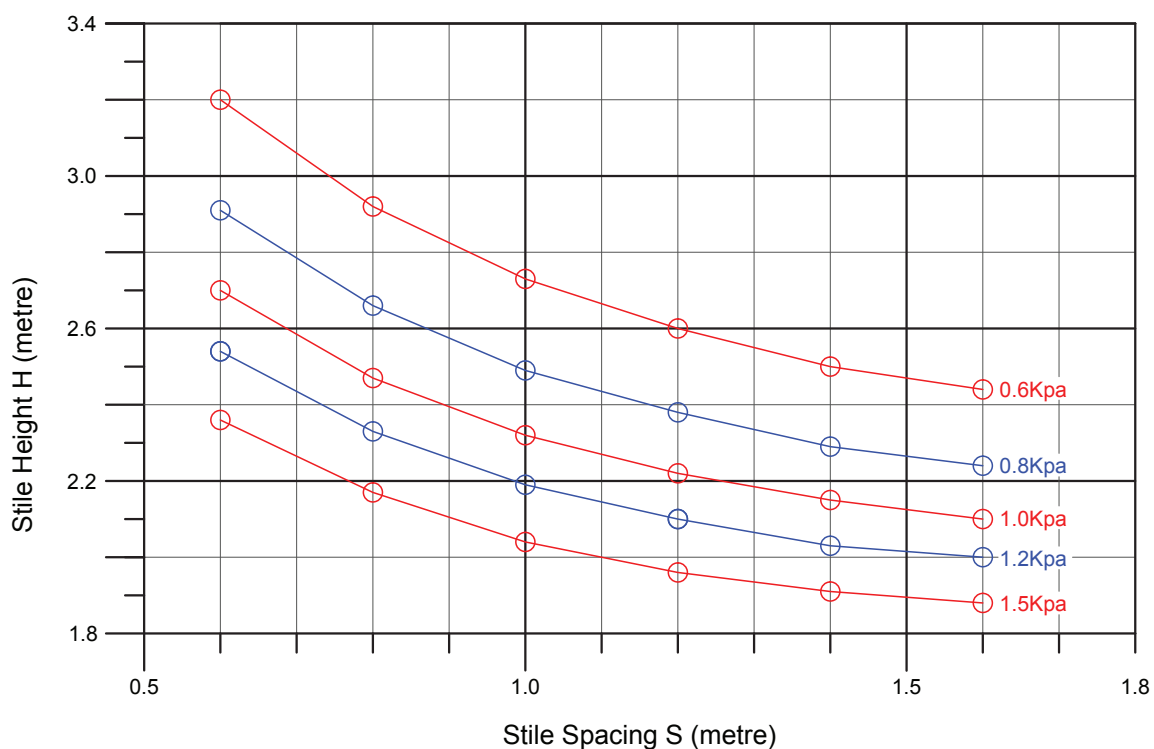
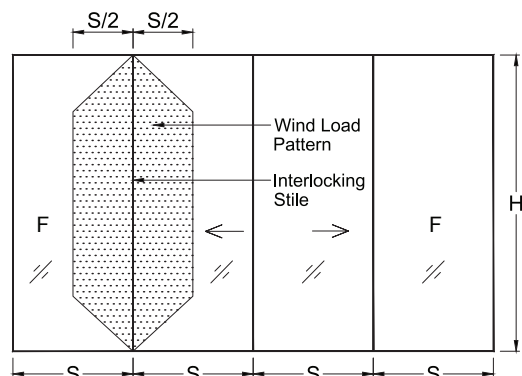
Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 37.7 cm^4
 Overall moment of Resistance MR_{xx} : 859 n-m



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
 Design bend. stress : $1.25 \times 67^6 \text{ N/m}^2$
 Deflection limit : $S_{\text{pan}}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :

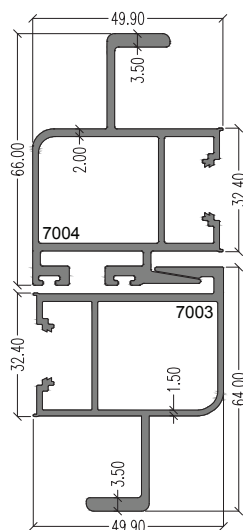


Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

Wind Load Chart

INTERLOCKING STILE - Assembly of Sections 7004 x 7003

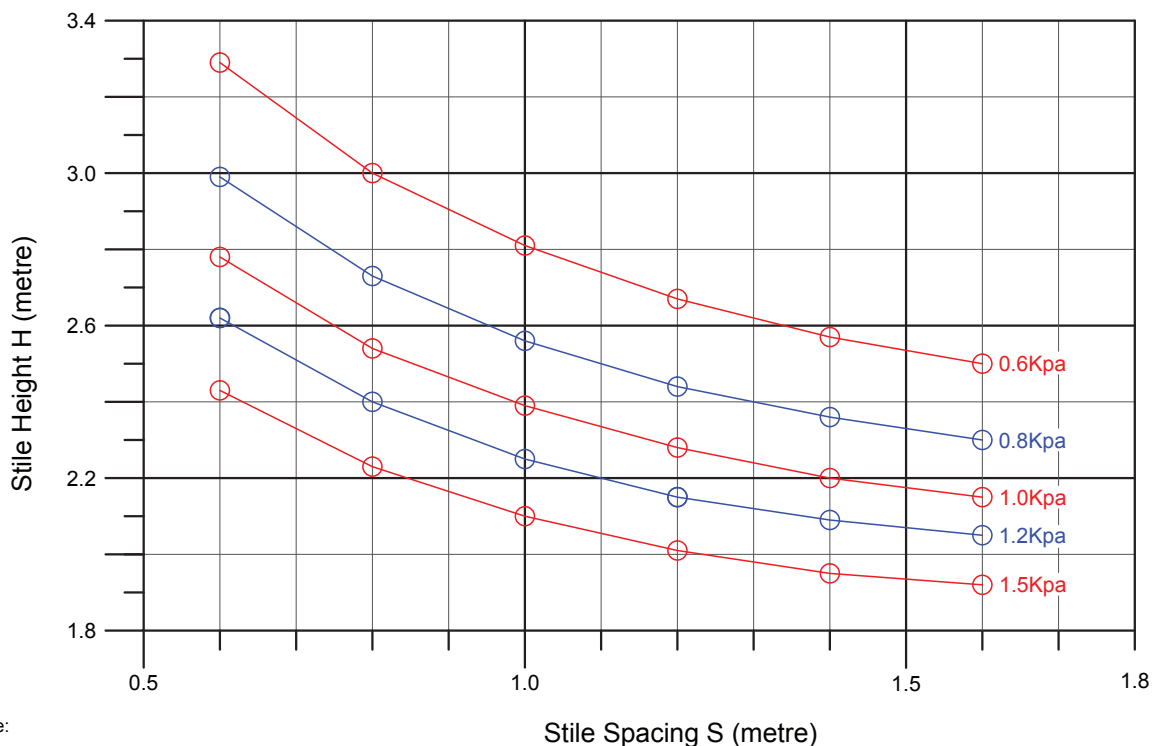
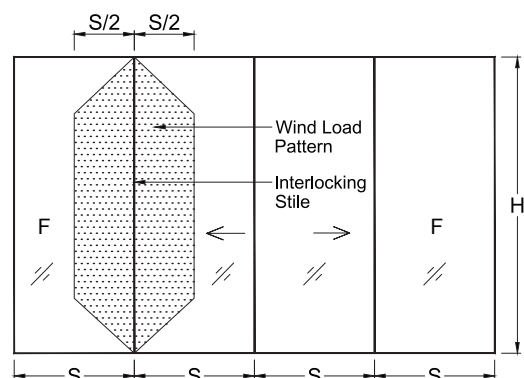
Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 41.2 cm^4
 Overall moment of Resistance MR_{xx} : 847 n-m



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
 Design bend. stress : $1.25 \times 67^6 \text{ N/m}^2$
 Deflection limit : $\frac{\text{Span}}{175}$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

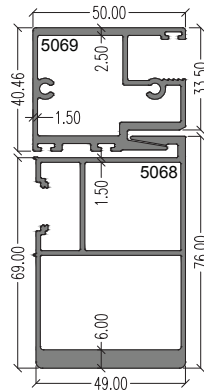
Typical configuration of sliding door :



Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
 :- Buckling has not been taken into account in this chart
 :- This windload chart is solely for reference only

Wind Load Chart

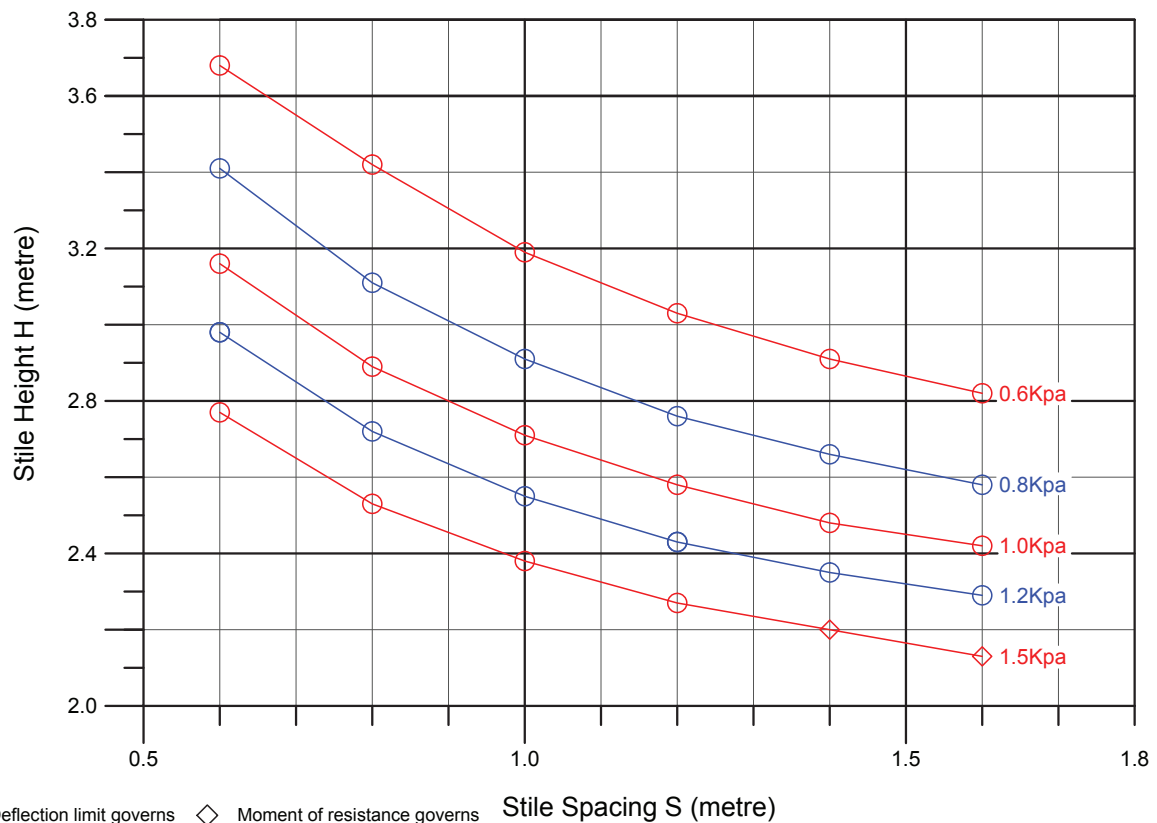
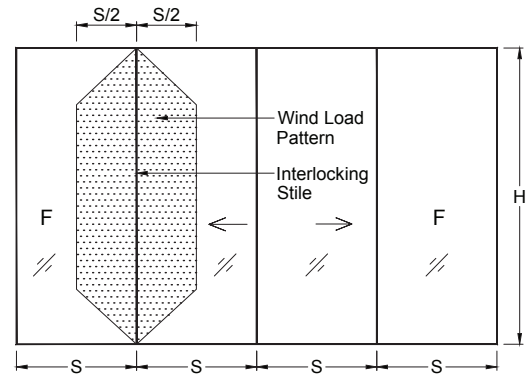
INTERLOCKING STILE - Assembly of Sections 5068 & 5069
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 61.0 cm^4
 Overall moment of Resistance MR_{xx} : 1095 n-m



Note:
 Suffix xx denotes axis perpendicular to wind load

Mod. of elasticity : $70 \times 10^9 \text{ N/m}^2$
 Design bend. stress : $1.25 \times 67^6 \text{ N/m}^2$
 Deflection limit : $\text{Span}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :



Note:

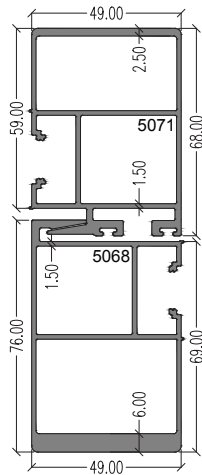
○ Deflection limit governs ◇ Moment of resistance governs

- Buckling has not been taken into account in this chart

- This windload chart is solely for reference only

Wind Load Chart

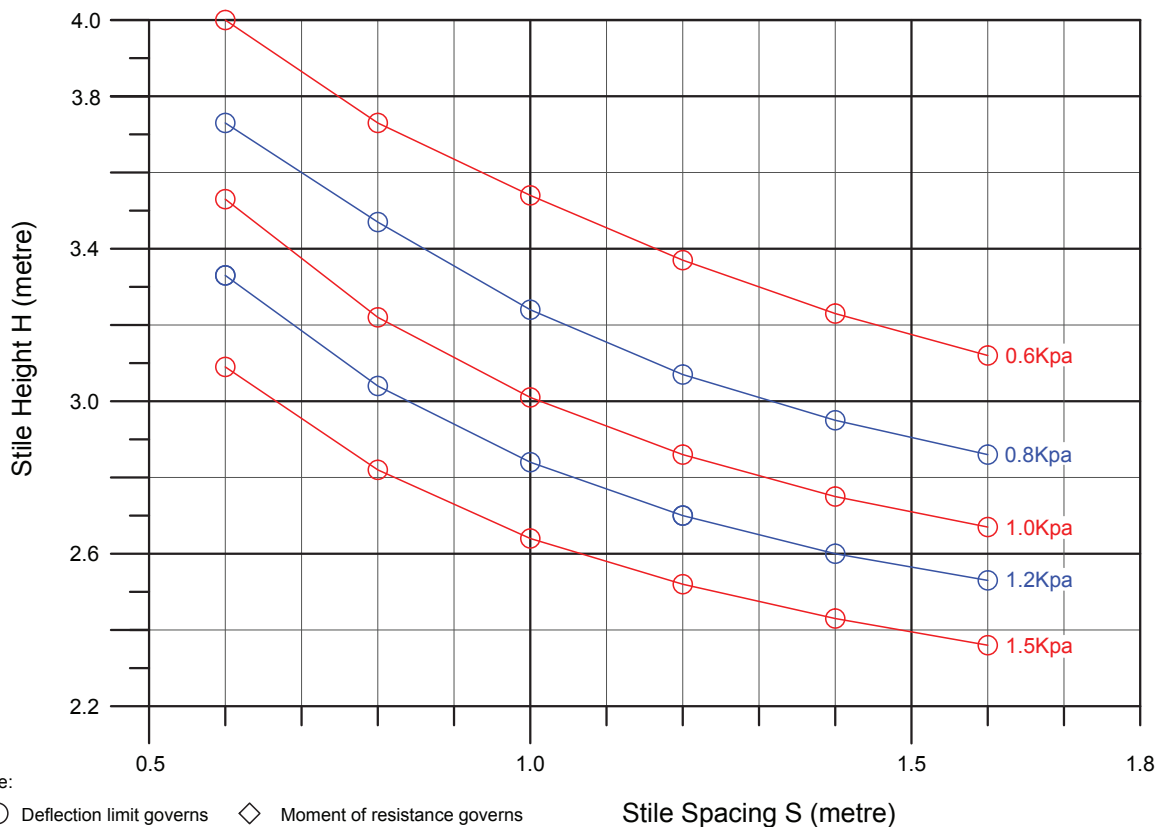
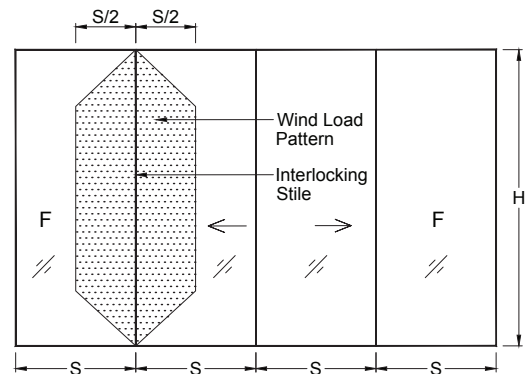
INTERLOCKING STILE - Assembly of Sections 5071 & 5068
 Alum. alloy : 6063-T5
 Overall moment of inertia I_{xx} : 85.2 cm⁴
 Overall moment of Resistance MR_{xx} : 1530 n-m



Note:
 Suffix xx denotes axis perpendicular to wind load

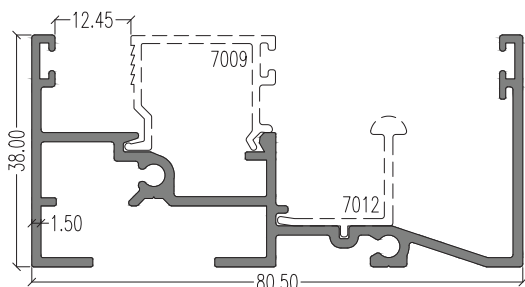
Mod. of elasticity : 70×10^9 N/m²
 Design bend. stress : 1.25×67^6 N/m²
 Deflection limit : $S_{pan}/175$, up to max. 20mm
 Nature of anchor : Simply supported at both ends

Typical configuration of sliding door :

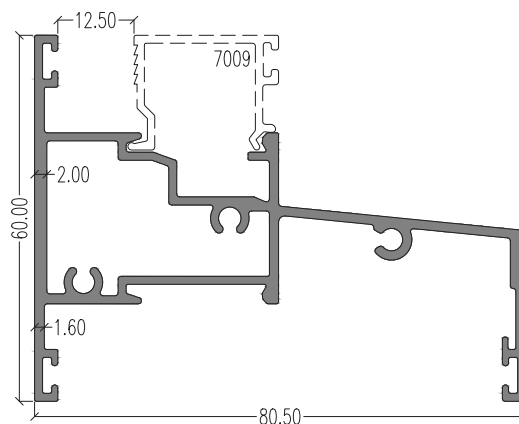


Note:
 ○ Deflection limit governs ◇ Moment of resistance governs
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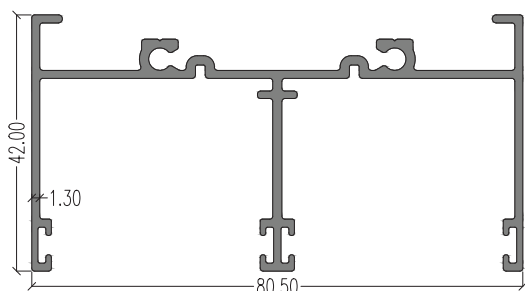
Sectional Details



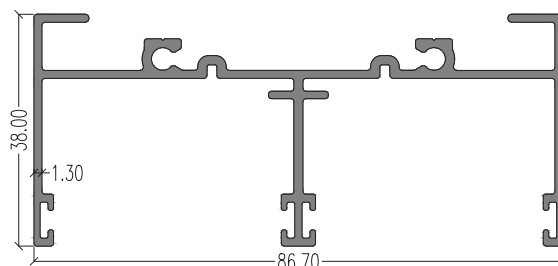
7013 (Top, Side & Bottom Outer)
LW : 1.012 kg/m
AP : 485.15 mm



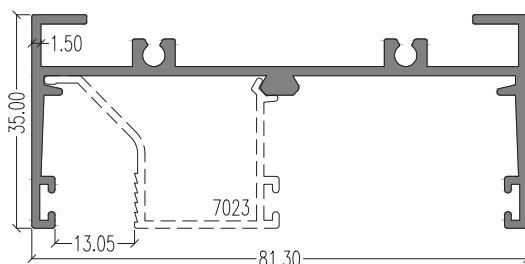
7015 (Top & Side Outer)
LW : 1.242 kg/m
AP : 432.70 mm



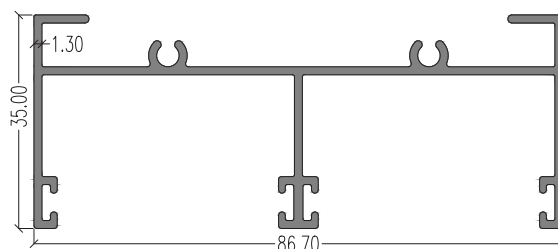
7044 (Top, Side & Bottom Outer)
LW : 0.934 kg/m
AP : 507.34 mm



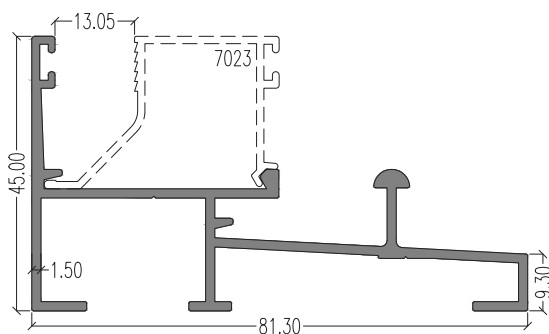
7045 (Top, Side & Bottom Outer)
LW : 0.954 kg/m
AP : 518.64 mm



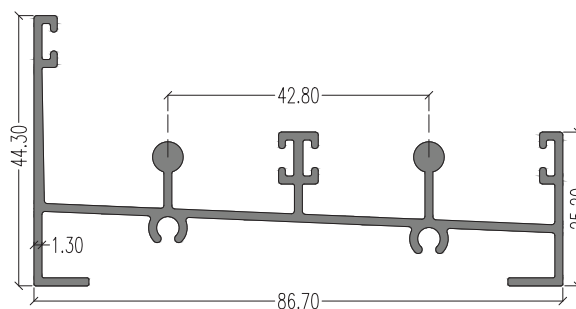
7019 (Top & Side Outer)
LW : 0.900 kg/m
AP : 407.78 mm



7049 (Top & Side Outer)
LW : 0.858 kg/m
AP : 474.48 mm

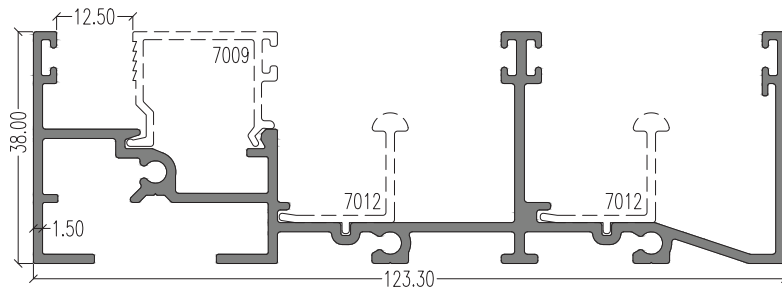


7020 (Bottom Outer)
LW : 0.902 kg/m
AP : 427.35 mm

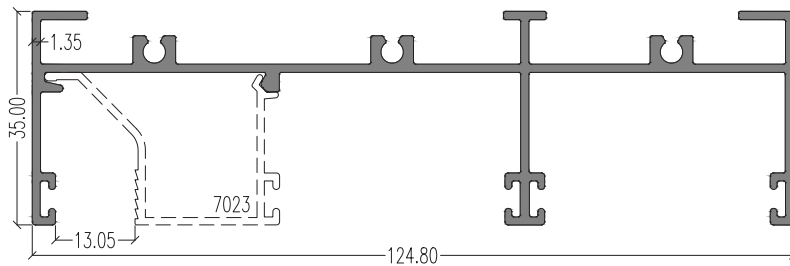


7050 (Bottom Outer)
LW : 0.984 kg/m
AP : 502.72 mm

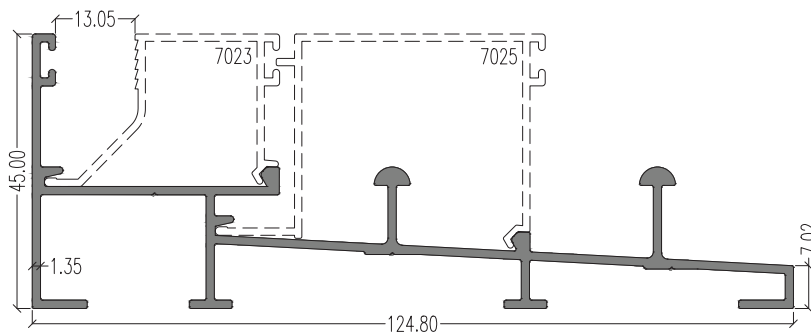
Sectional Details



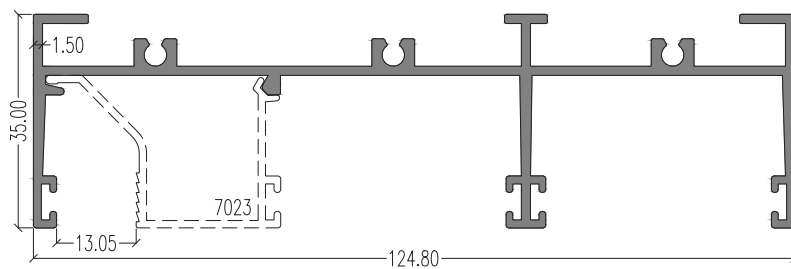
7014 (Top, Side & Bottom Outer)
LW : 1.498 kg/m
AP : 705.69 mm



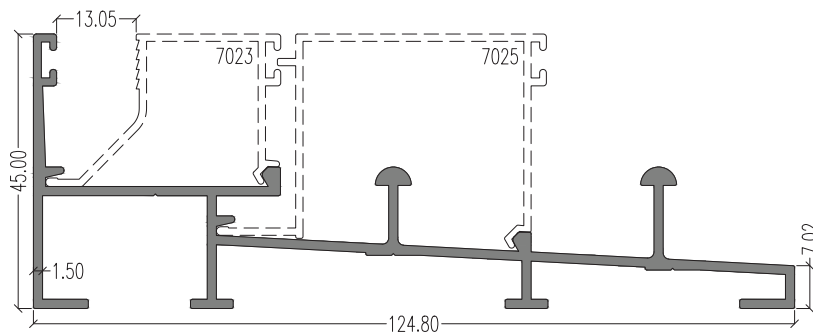
5133 (Top & Side Outer)
LW : 1.202 kg/m
AP : 611.13 mm



5134 (Bottom Outer)
LW : 1.137 kg/m
AP : 576.17 mm

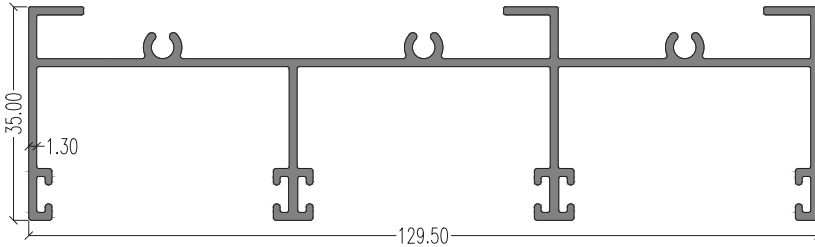


7021 (Top & Side Outer)
LW : 1.309 kg/m
AP : 611.89 mm

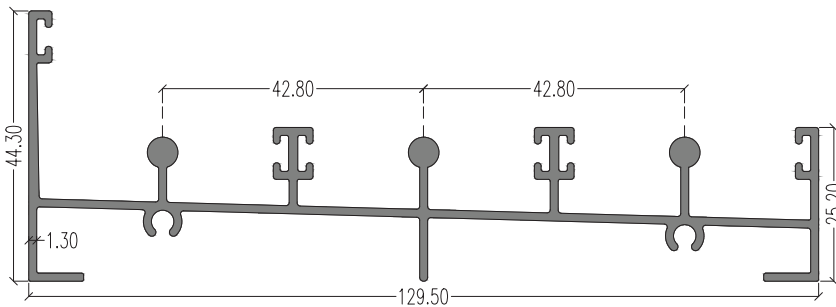


7022 (Bottom Outer)
LW : 1.239 kg/m
AP : 578.53 mm

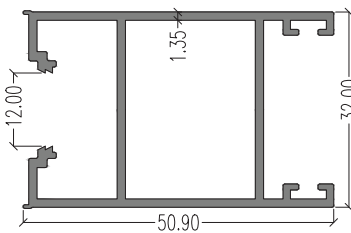
Sectional Details



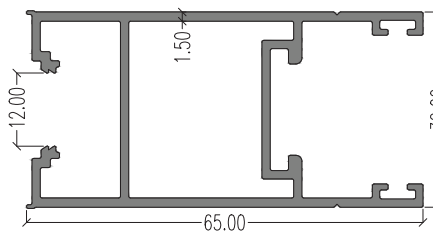
7039 (Top & Side Outer)
LW : 1.244 kg/m
AP : 685.21 mm



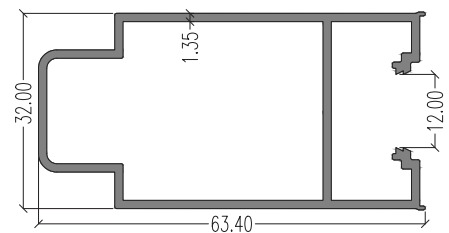
7040 (Bottom Outer)
LW : 1.352 kg/m
AP : 688.85 mm



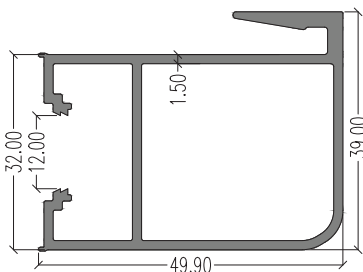
7027 (Intermediate)
LW : 0.717 kg/m
AP : 294.55 mm
Ixx : 4.383 cm⁴
Iyy : 6.399 cm⁴
(For Single Locking)



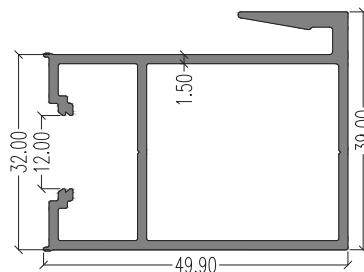
7083 (Intermediate)
LW : 0.930 kg/m
AP : 354.68 mm
Ixx : 5.848 cm⁴
Iyy : 12.28 cm⁴
(For Multipoint Locking)



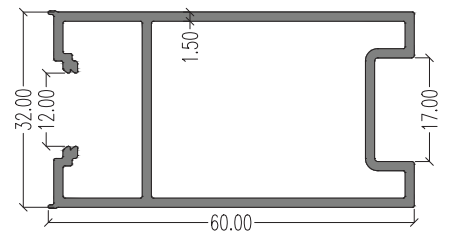
7028 (Intermediate)
LW : 0.755 kg/m
AP : 264.96 mm
Ixx : 4.358 cm⁴
Iyy : 11.75 cm⁴



7002 (Interlock)
LW : 0.855 kg/m
AP : 278.73 mm
Ixx : 6.140 cm⁴
Iyy : 9.011 cm⁴

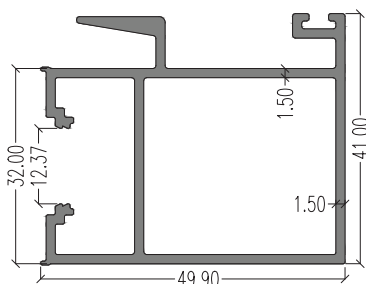


7046 (Interlock)
LW : 0.858 kg/m
AP : 278.76 mm
Ixx : 6.256 cm⁴
Iyy : 9.101 cm⁴

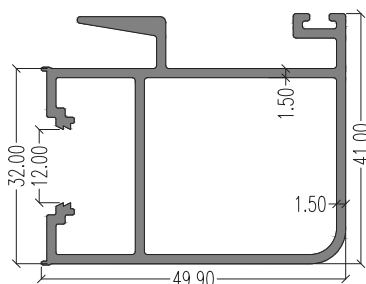


5067 (Intermediate)
LW : 0.855 kg/m
AP : 268.02 mm
Ixx : 5.244 cm⁴
Iyy : 12.54 cm⁴
(Match 5066)

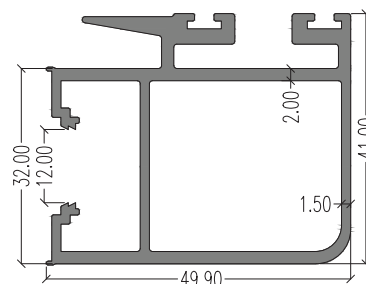
Sectional Details



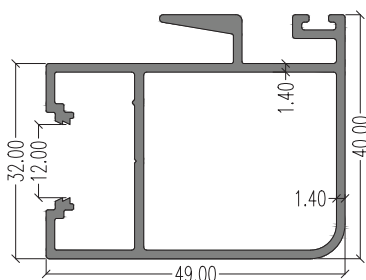
5036 (Interlock)
 LW : 0.920 kg/m
 AP : 315.73 mm
 Ixx : 7.150 cm⁴
 Iyy : 9.448 cm⁴



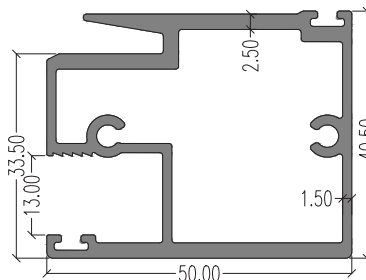
7017 (Interlock)
 LW : 0.912 kg/m
 AP : 315.38 mm
 Ixx : 7.022 cm⁴
 Iyy : 9.278 cm⁴



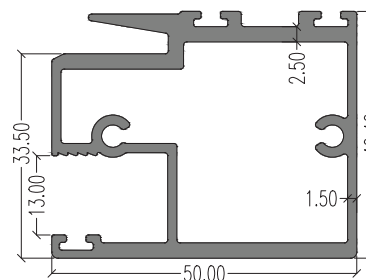
7018 (Interlock)
 LW : 1.186 kg/m
 AP : 345.95 mm
 Ixx : 9.534 cm⁴
 Iyy : 10.57 cm⁴



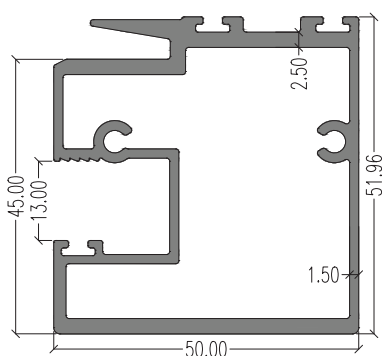
5039 (Interlock)
 LW : 0.858 kg/m
 AP : 308.35 mm
 Ixx : 6.451 cm⁴
 Iyy : 8.228 cm⁴



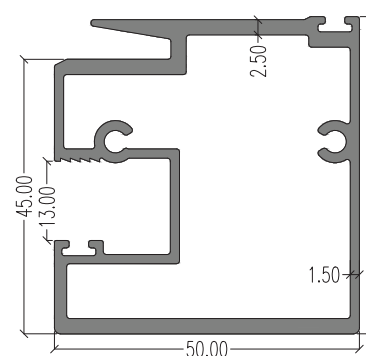
7007 (Interlock)
 LW : 1.242 kg/m
 AP : 262.65 mm
 Ixx : 10.08 cm⁴
 Iyy : 12.10 cm⁴



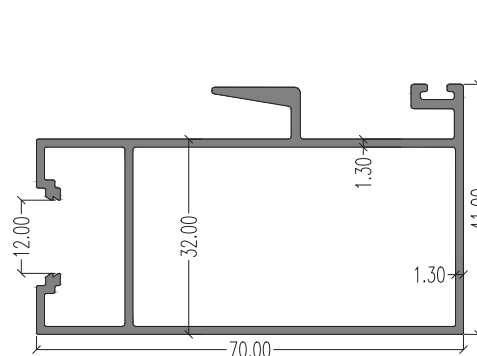
5069 (Interlock)
 LW : 1.285 kg/m
 AP : 274.86 mm
 Ixx : 10.26 cm⁴
 Iyy : 12.19 cm⁴



5070 (Interlock)
 LW : 1.489 kg/m
 AP : 299.86 mm
 Ixx : 19.73 cm⁴
 Iyy : 15.38 cm⁴

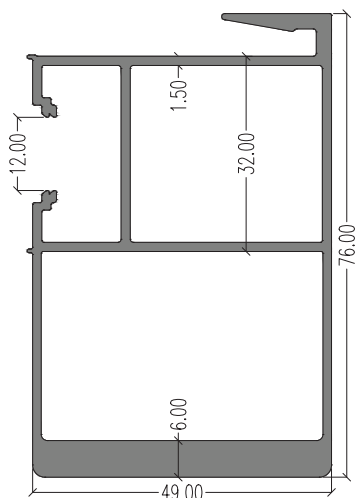


7008 (Interlock)
 LW : 1.439 kg/m
 AP : 285.65 mm
 Ixx : 19.28 cm⁴
 Iyy : 15.26 cm⁴

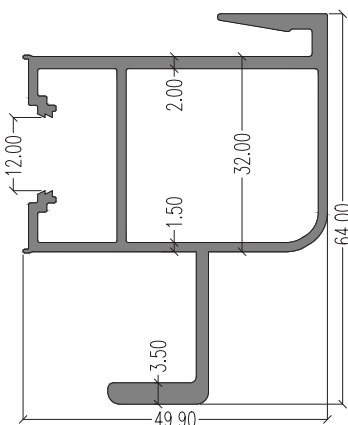


5011 (Interlock)
 LW : 0.975 kg/m
 AP : 355.07 mm
 Ixx : 7.948 cm⁴
 Iyy : 19.96 cm⁴

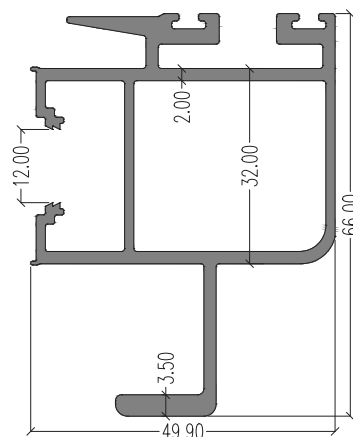
Sectional Details



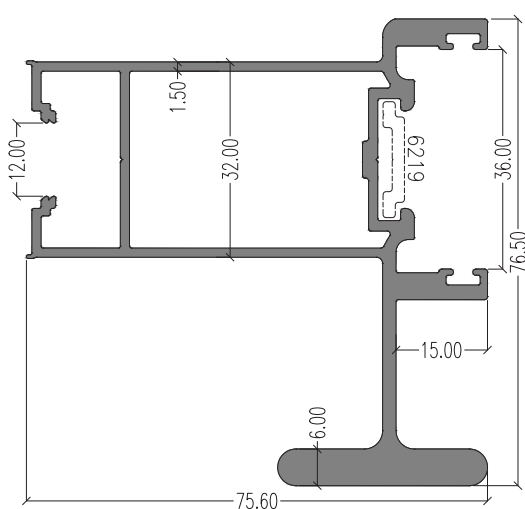
5068 (Interlock)
 LW : 1.889 kg/m
 AP : 350.45 mm
 Ixx : 50.88 cm⁴
 Iyy : 19.94 cm⁴



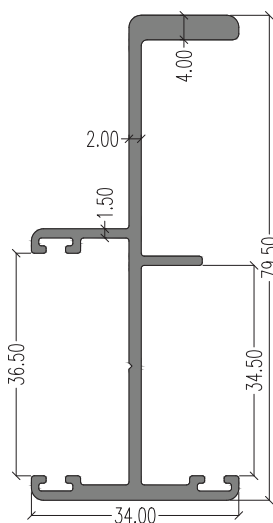
7003 (Interlock)
 LW : 1.184 kg/m
 AP : 354.16 mm
 Ixx : 18.01 cm⁴
 Iyy : 9.694 cm⁴



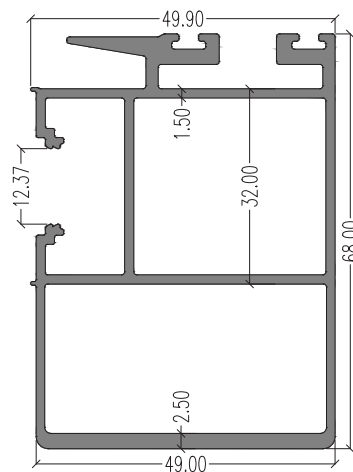
7004 (Interlock)
 LW : 1.458 kg/m
 AP : 419.28 mm
 Ixx : 23.22 cm⁴
 Iyy : 10.88 cm⁴



5066 (Intermediate)
 LW : 2.023 kg/m
 AP : 500.87 mm
 Ixx : 50.54 cm⁴
 Iyy : 32.88 cm⁴

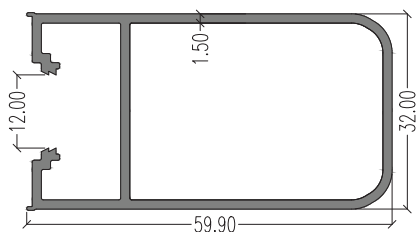


7005 (Attachment)
 LW : 0.945 kg/m
 AP : 338.90 mm
 Ixx : 28.91 cm⁴
 Iyy : 1.853 cm⁴

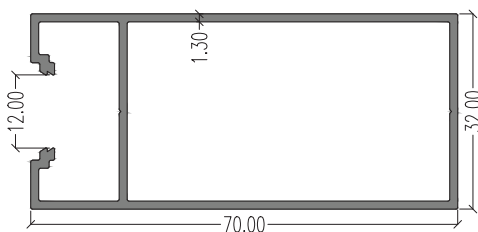


5071 (Interlock)
 LW : 1.590 kg/m
 AP : 397.55 mm
 Ixx : 34.49 cm⁴
 Iyy : 16.23 cm⁴

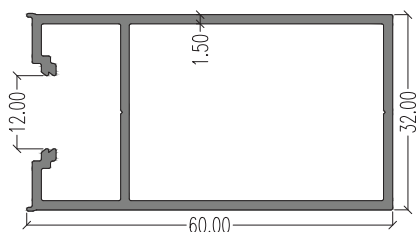
Sectional Details



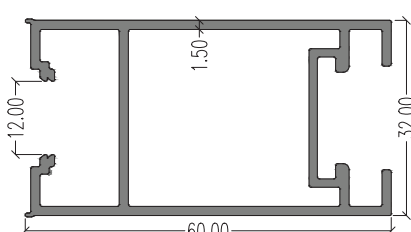
7001 (Inner)
LW : 0.789 kg/m
AP : 253.20 mm



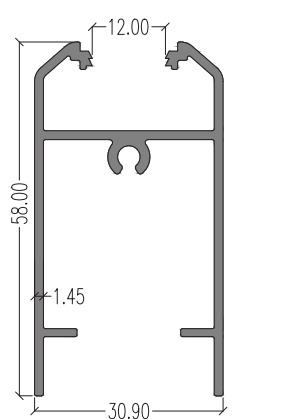
5010 (Inner)
LW : 0.783 kg/m
AP : 276.13 mm



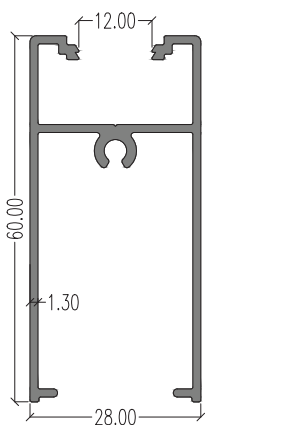
7047 (Inner)
LW : 0.798 kg/m
AP : 256.09 mm



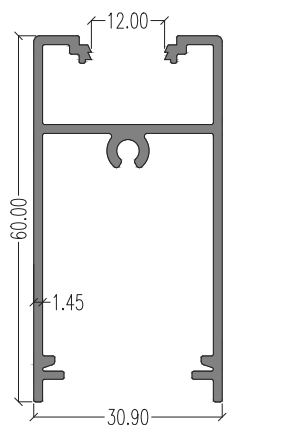
5087 (Side Inner)
LW : 0.912 kg/m
AP : 311.28mm
(For Multipoint Locking)



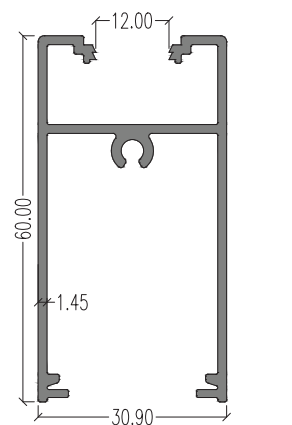
7006 (Top & Bottom Inner)
LW : 0.742 kg/m
AP : 358.85 mm



5012 (Top & Bottom Inner)
LW : 0.660 kg/m
AP : 358.72 mm

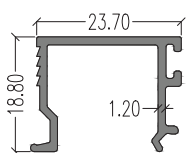


7082 (Top & Bottom Inner)
LW : 0.767 kg/m
AP : 377.66 mm

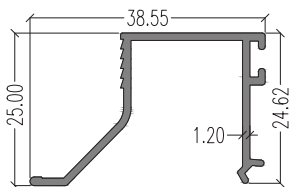


5088 (Top & Bottom Inner)
LW : 0.765kg/m
AP : 378.42mm

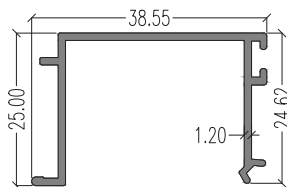
Sectional Details



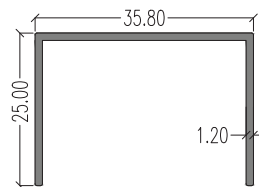
7009 (Beading for 7013, 7014, 7015)
LW : 0.240 kg/m
AP : 141.48 mm



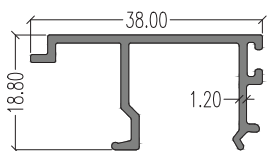
7023 (Beading for 7019, 7021, 5133)
LW : 0.289 kg/m
AP : 178.28 mm



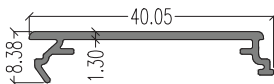
7024 (Capping for 7019, 7021, 5133)
LW : 0.312 kg/m
AP : 192.45 mm



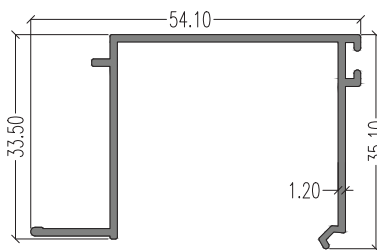
7026 (Attachment)
LW : 0.271 kg/m
AP : 168.43 mm



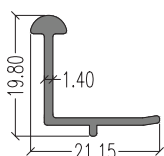
7010 (Capping for 7013, 7014)
LW : 0.303 kg/m
AP : 173.83 mm



7011 (Capping for 7013, 7014, 7019, 7039)
LW : 0.193 kg/m
AP : 121.14 mm



7025 (Capping for 7022, 5134)
LW : 0.423 kg/m
AP : 261.42 mm



7012 (7013, 7014, 7044 & 7045)
LW : 0.158 kg/m
AP : 81.82 mm

Accessories

Door Locksets



CKP8005



CK83
Single



CKP8005



CK84
Double



DSD9002

DSD 902 (With Key)
DSD 903 (Without Key)
DSD 904 (Dummy)



SLD109K with Key
(with Lockbar & Keeper)

Roller



RL006
(Rating: 65kg/panel)

Stopper



003

Hole Plugs



001 (PVC)

Woolpile



5 x 7
(300m/roll)

Flush Lock



R5
Without Key



R6
With Key



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