



LB
ALUMINIUM
BERHAD
198501006093 (138535-V)



PSW02

A sliding window suite that is not only designed to perform but also aesthetically pleasing.



Performance Range

- Medium duty.

Typical Technical Features

Nominal Wall Thickness

- 1.3 mm & 1.6 mm

Inner Frame Depth

- Standard 23 mm Depth

Fabrication and Assembly

- Good

Fixed Lite Options

- Yes

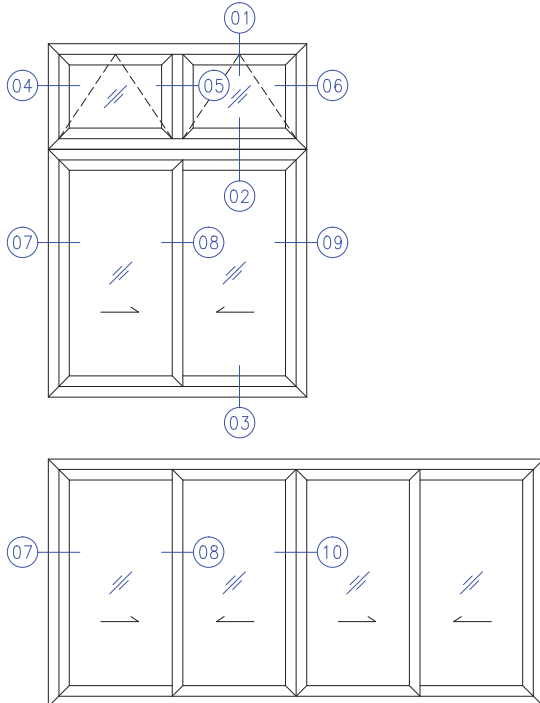


Crescent Lock
(with SS Hook)

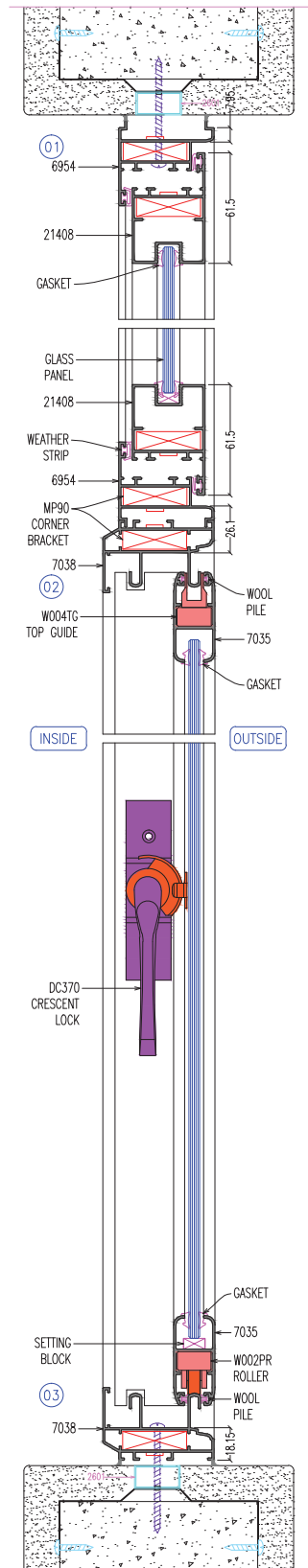


Typical Assembly Details

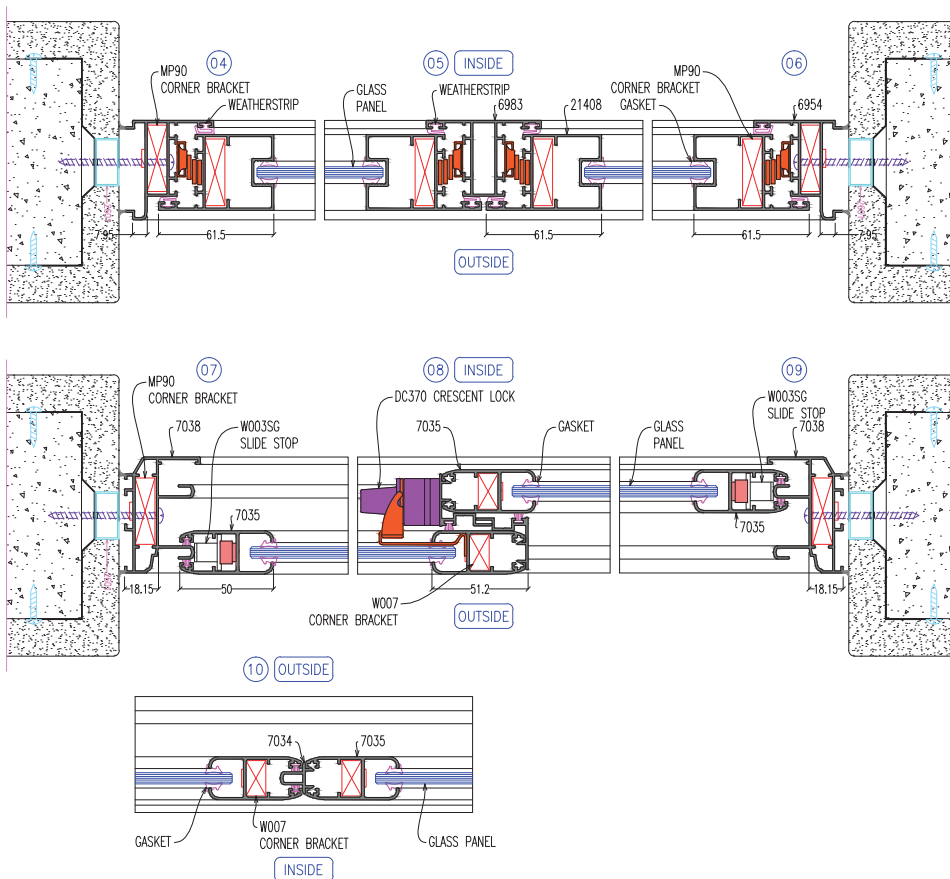
Exterior View



Vertical Sectional View

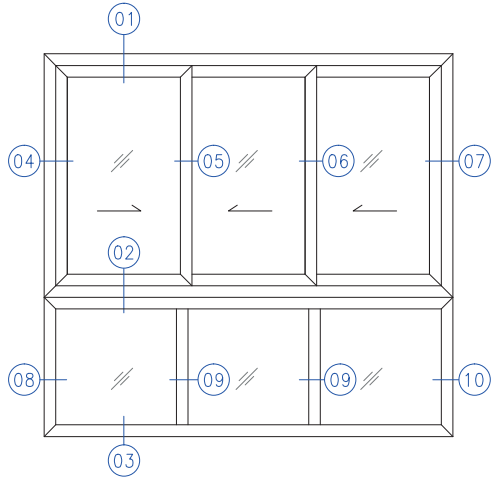


Horizontal Sectional View

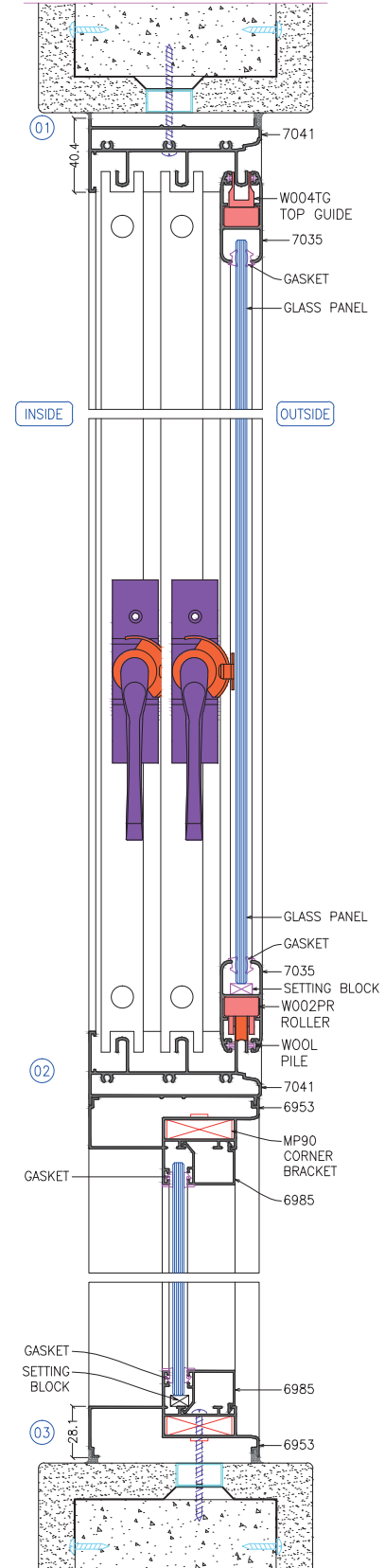


Typical Assembly Details

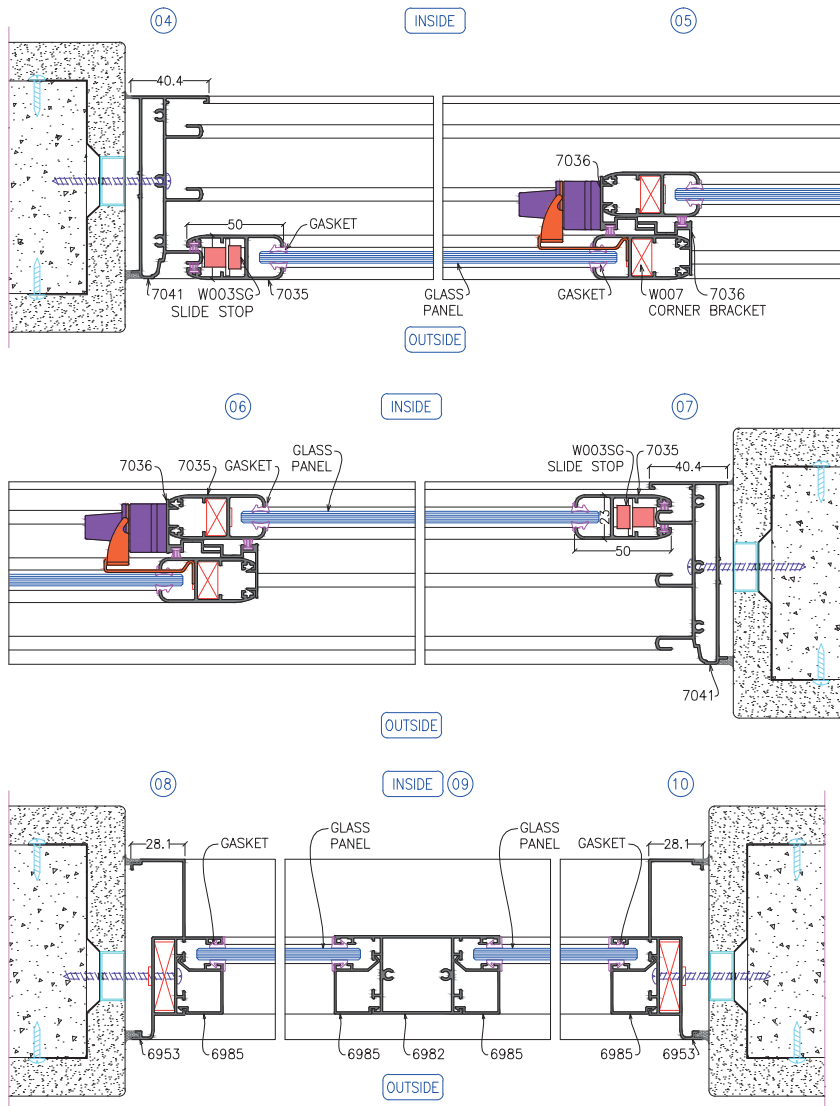
Exterior View



Vertical Sectional View

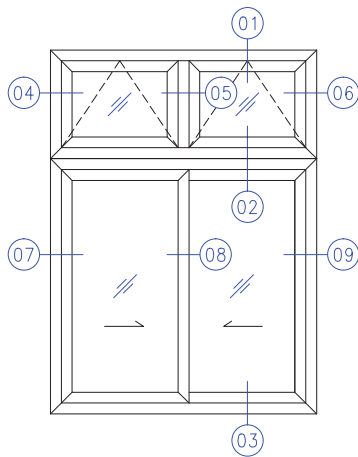


Horizontal Sectional View

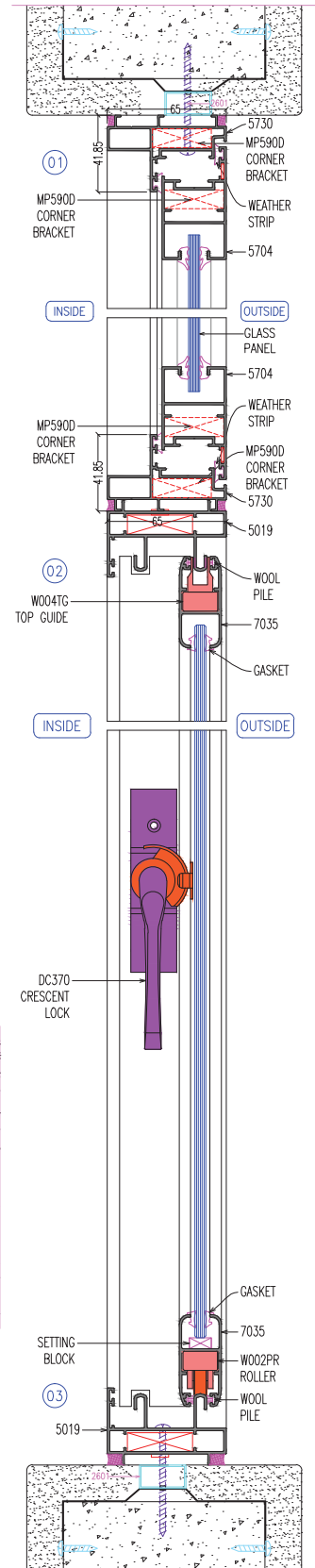


Typical Assembly Details

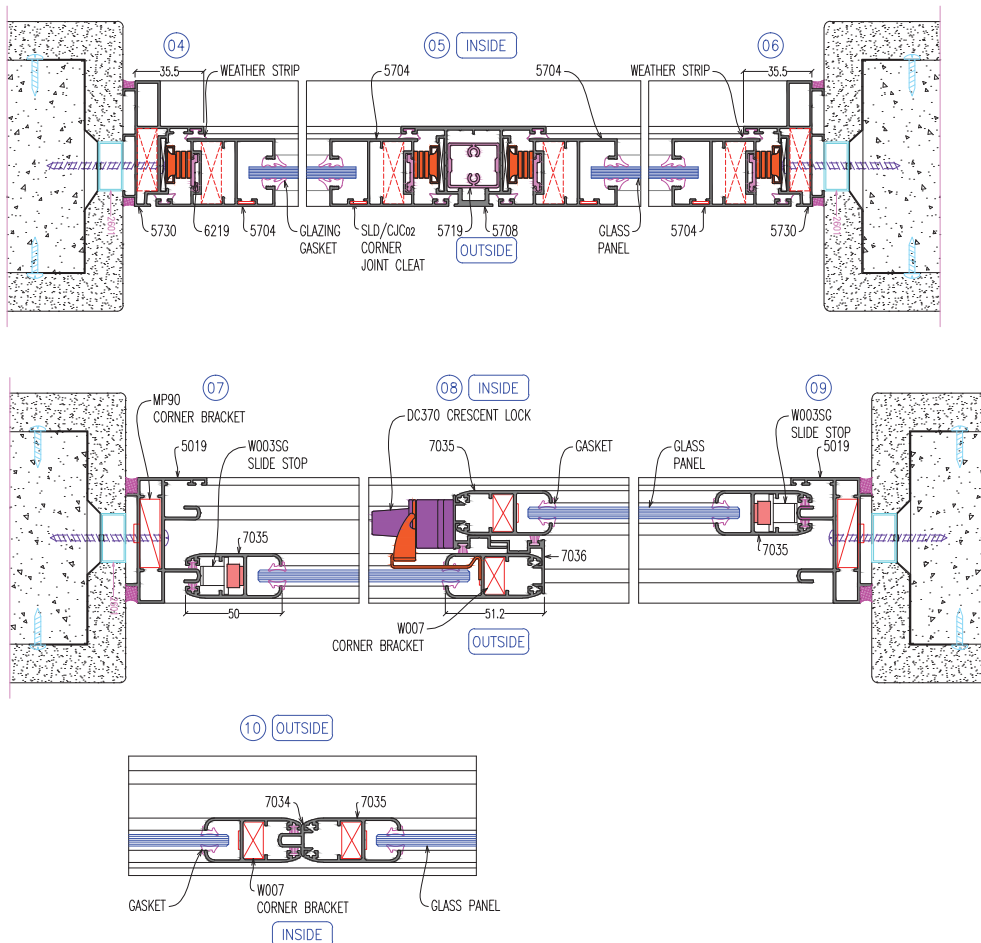
Exterior View



Vertical Sectional View



Horizontal Sectional View

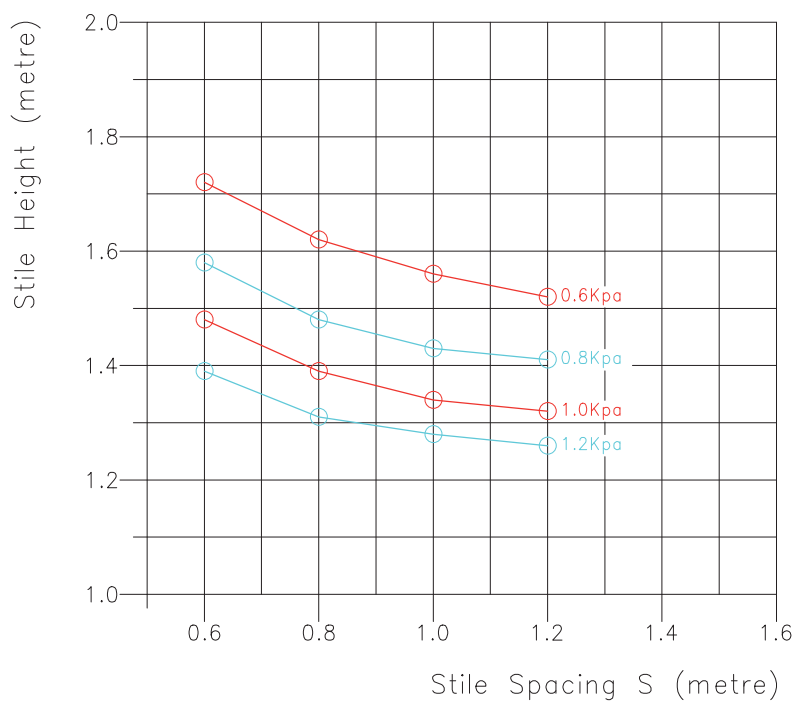
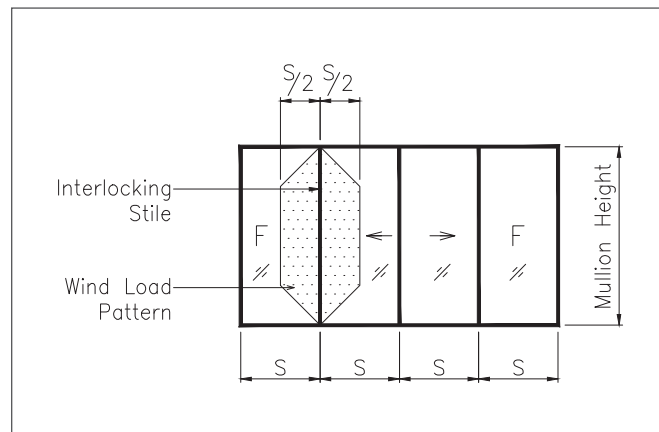
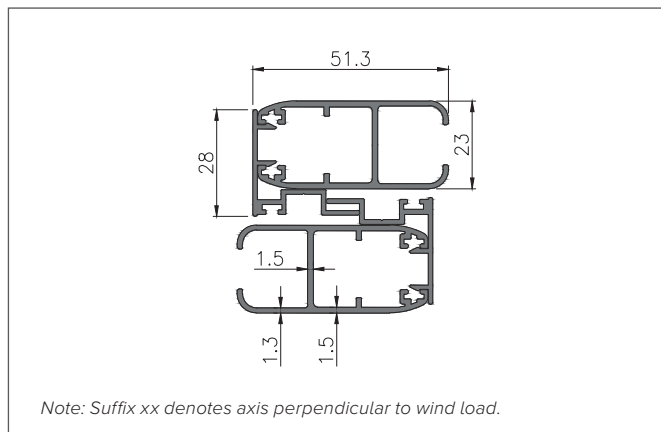


Wind Load Chart

Mullion Section No. : 7035 (x2) + 7036 (x2)
Aluminium Alloy : 6063 - T5
Moment of Inertia Ixx : 5.0 cm⁴

Mod. of Elasticity : 69 x 10⁹ n/m²
Deflection Limit : Span/175
Perm. Bend. Stress : 1.25 x 67 Mpa
(within slenderness limit)
Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Sliding Window:



Legend:

○ Deflection limit governs

◇ Permissible bending stress governs

- This chart is applicable to wind load pattern as shown only.

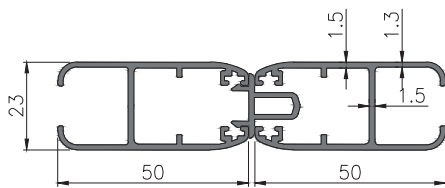
Note: This wind load chart is solely for reference only.

Wind Load Chart

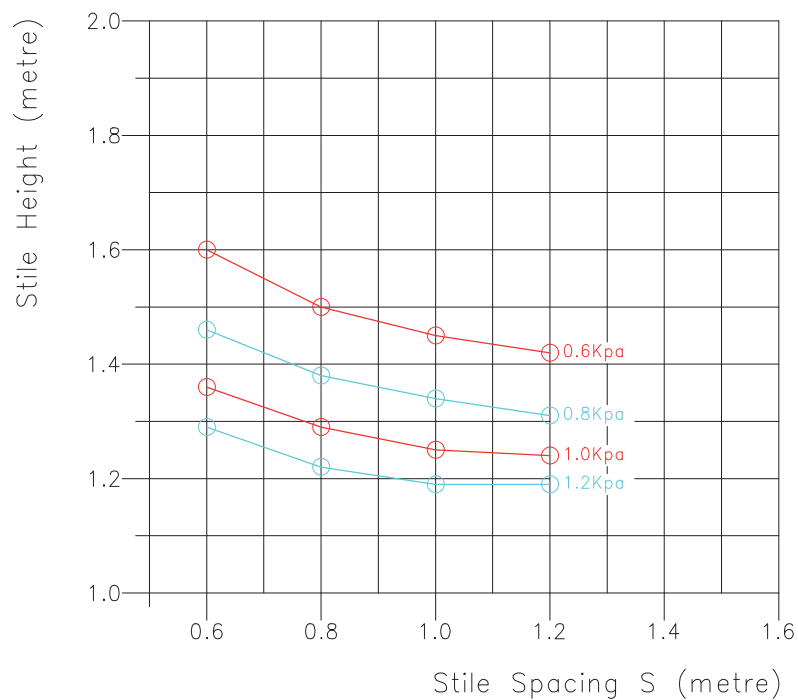
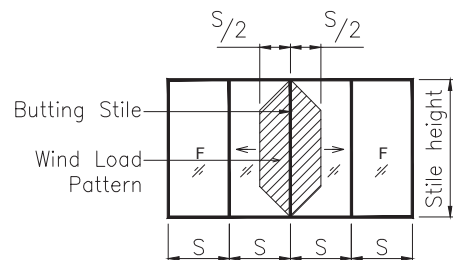
Mullion Section No. : 7035_(x2) + 7034
 Aluminium Alloy : 6063 - T5
 Moment of Inertia I_{xx} : 3.9 cm⁴

Mod. of Elasticity : 69 x 10⁹ n/m²
 Deflection Limit : Span/175
 Perm. Bend. Stress : 1.25 x 67 Mpa
 (within slenderness limit)
 Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Sliding Window:



Note: Suffix xx denotes axis perpendicular to wind load.



Legend:

○ Deflection limit governs

◇ Permissible bending stress governs

- This chart is applicable to wind load pattern as shown only.

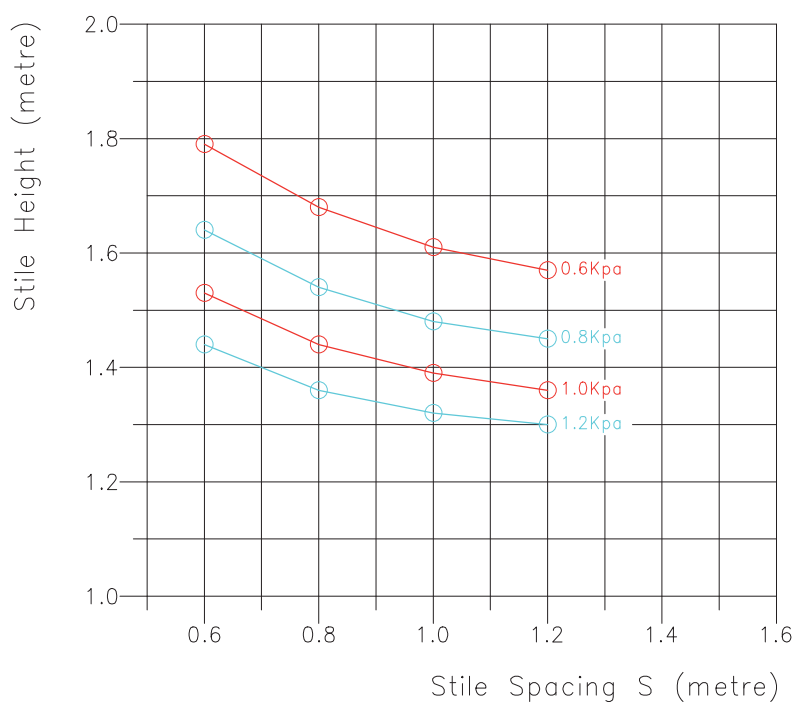
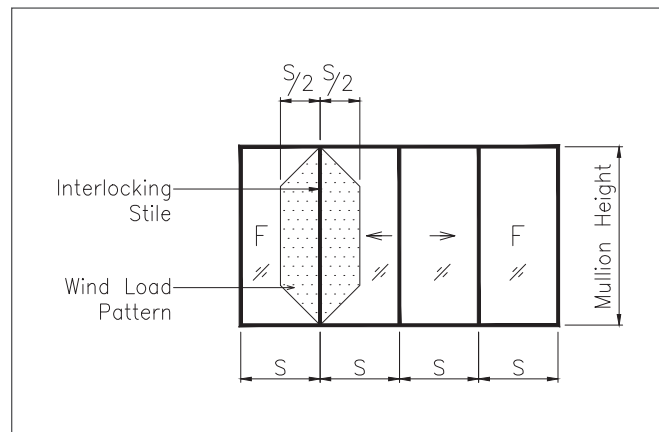
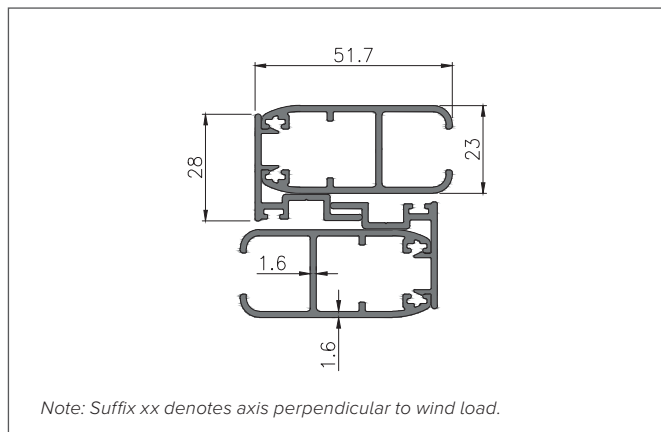
Note: This wind load chart is solely for reference only.

Wind Load Chart

Mullion Section No. : 7068 (x2) + 7070 (x2)
Aluminium Alloy : 6063 - T5
Moment of Inertia Ixx : 5.62 cm⁴

Mod. of Elasticity : 69 x 10⁹ n/m²
Deflection Limit : Span/175
Perm. Bend. Stress : 1.25 x 67 Mpa
(within slenderness limit)
Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Sliding Window:



Legend:

○ Deflection limit governs

◇ Permissible bending stress governs

- This chart is applicable to wind load pattern as shown only.

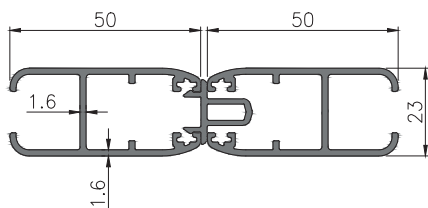
Note: This wind load chart is solely for reference only.

Wind Load Chart

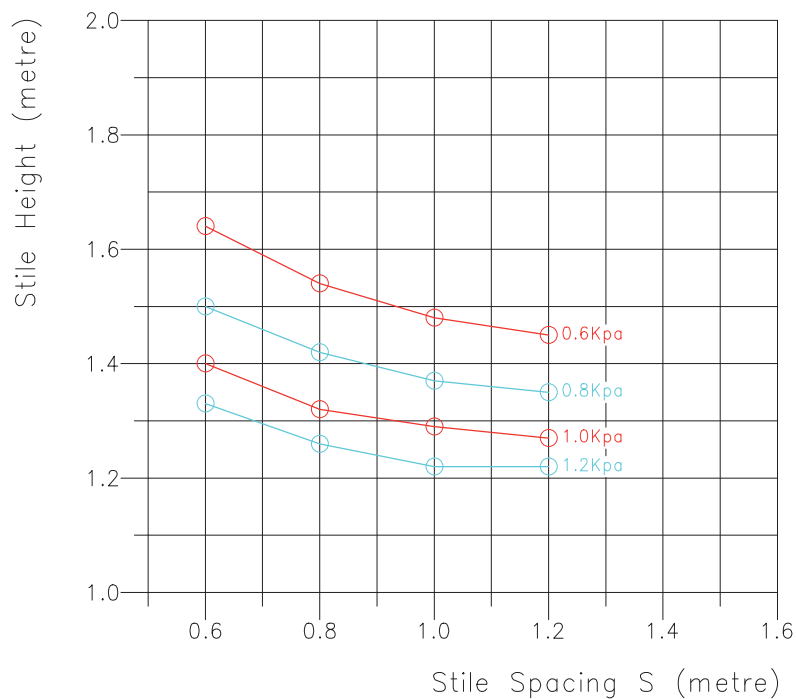
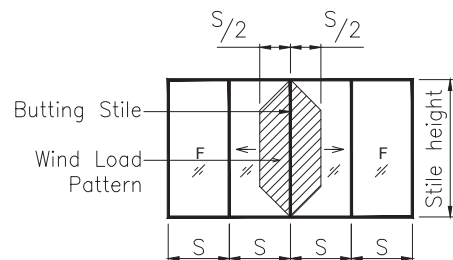
Mullion Section No. : 7068_(x2) + 7069
 Aluminium Alloy : 6063 - T5
 Moment of Inertia I_{xx} : 4.3 cm⁴

Mod. of Elasticity : 69 x 10⁹ n/m²
 Deflection Limit : Span/175
 Perm. Bend. Stress : 1.25 x 67 Mpa
 (within slenderness limit)
 Nature of Anchor : Simply Supported at Both Ends

Typical Configuration of Sliding Window:



Note: Suffix xx denotes axis perpendicular to wind load.



Legend:

○ Deflection limit governs

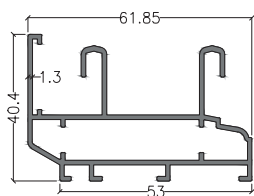
◇ Permissible bending stress governs

- This chart is applicable to wind load pattern as shown only.

Note: This wind load chart is solely for reference only.

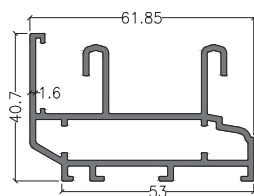
Sectional Details

Outer Frames



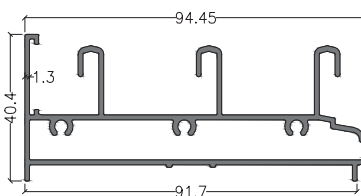
7038

0.876 kg/m "LW"
371.24 mm "AP"



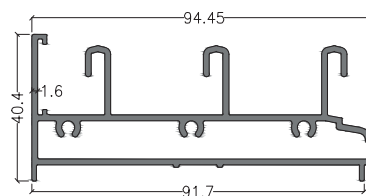
7066

1.137 kg/m "LW"
362.98 mm "AP"



7041

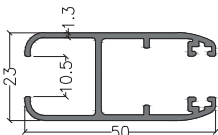
1.298 kg/m "LW"
462.98 mm "AP"



7065

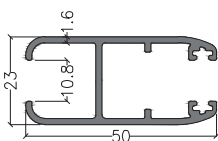
1.604 kg/m "LW"
460.64 mm "AP"

Inner Frames



7035

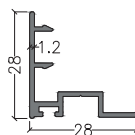
0.571 kg/m "LW"
299.76 mm "AP"
lxx : 1.9 cm⁴
lyy : 4.5 cm⁴



7068

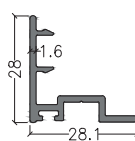
0.642 kg/m "LW"
290.62 mm "AP"
lxx : 2.1 cm⁴
lyy : 4.9 cm⁴

Interlock Attachments



7036

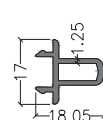
0.257 kg/m "LW"
153.96 mm "AP"



7070

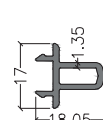
0.323 kg/m "LW"
149.28 mm "AP"

Mid-nose Joint



7034

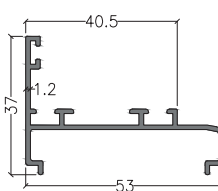
0.189 kg/m "LW"
74.63 mm "AP"



7069

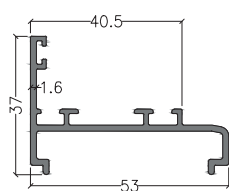
0.204 kg/m "LW"
73.66 mm "AP"

Casement Attachment For Composite Window (PCW02-40)



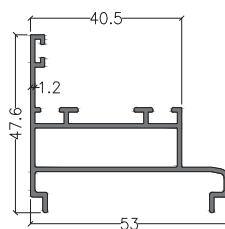
7037 (Outer Frame)

0.446 kg/m "LW"
272.90 mm "AP"



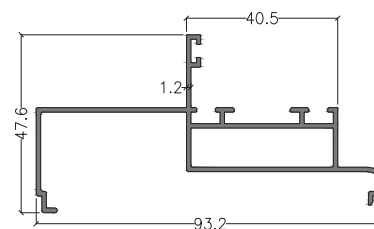
7067 (Outer Frame)

0.571 kg/m "LW"
267.98 mm "AP"



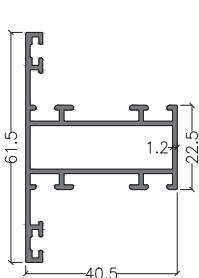
6954 (Outer Frame)

0.640 kg/m "LW"
289.20 mm "AP"



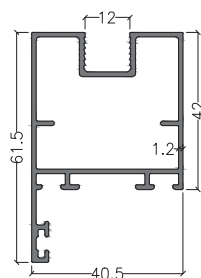
6953 (Outer Frame)

0.832 kg/m "LW"
405.24 mm "AP"



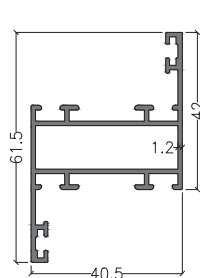
6983 (Mullion)

0.722 kg/m "LW"
335.59 mm "AP"



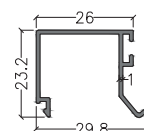
21408 (Inner Frame)

0.798 kg/m "LW"
289.83 mm "AP"



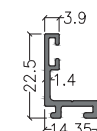
6984 (Inner Frame)

0.722 kg/m "LW"
335.59 mm "AP"



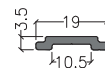
6985 (Beading)

0.231 kg/m "LW"
169.79 mm "AP"



6218

0.179 kg/m "LW"
101.90 mm "AP"

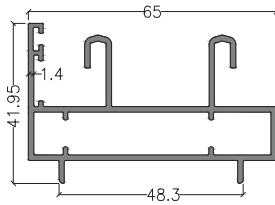


6219 (Flat Bar)

0.117 kg/m "LW"
45.58 mm "AP"

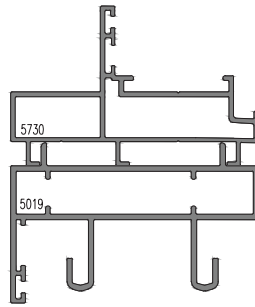
Sectional Details

Outer Frames



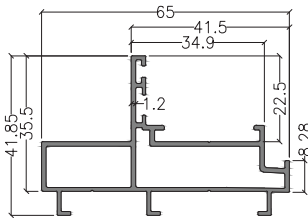
5019

0.992 kg/m "LW"
361.38 mm "AP"



Assembly Detail

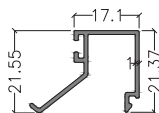
Casement Attachment For Composite Window (ECOSASH C1.0)



5730

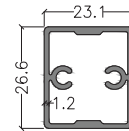
0.717 kg/m "LW"
292.84 mm "AP"
(substitute for 5721)

14mm Bead



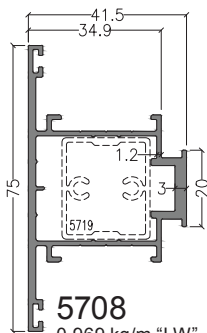
5706

0.209 kg/m "LW"
150.65 mm "AP"



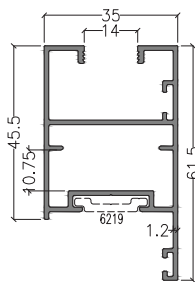
5719

0.428 kg/m "LW"
97.68 mm "AP"



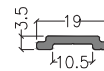
5708

0.969 kg/m "LW"
315.23 mm "AP"
Ixx : 10.56 cm⁴
Iyy : 9.29 cm⁴



5704

0.752 kg/m "LW"
330.94 mm "AP"



6219

0.117 kg/m "LW"
45.58 mm "AP"

Accessories

Crescent Lock



DC370 (with SS Hook)

Roller



W002PR

Woolpile



5 x 5
(300 meter/roll/grey colour)

Corner Bracket



W007BR
(Inner Frame)



MP90
(Outer Frame)

Side Top



W003SG

Top Guide



W004TG



LB
ALUMINIUM
BERHAD
198501006093 (138535-V)

HEAD OFFICE & FACTORY

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MS ISO 9001:2015 Cert. No: QMS 00216

Ver. 05/2020