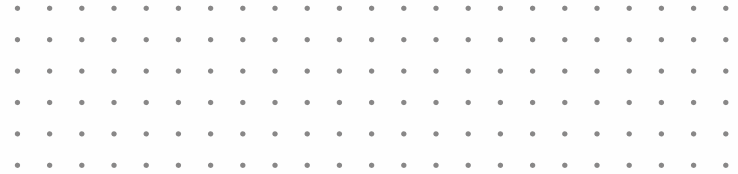




BUILDING QUALITY WITH INNOVATION

Technical Catalogue

uPVC Profile Systems



 SudhakarWindowsDoors

 SudhakarGroup





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Casement Systems

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Premium Colours

70



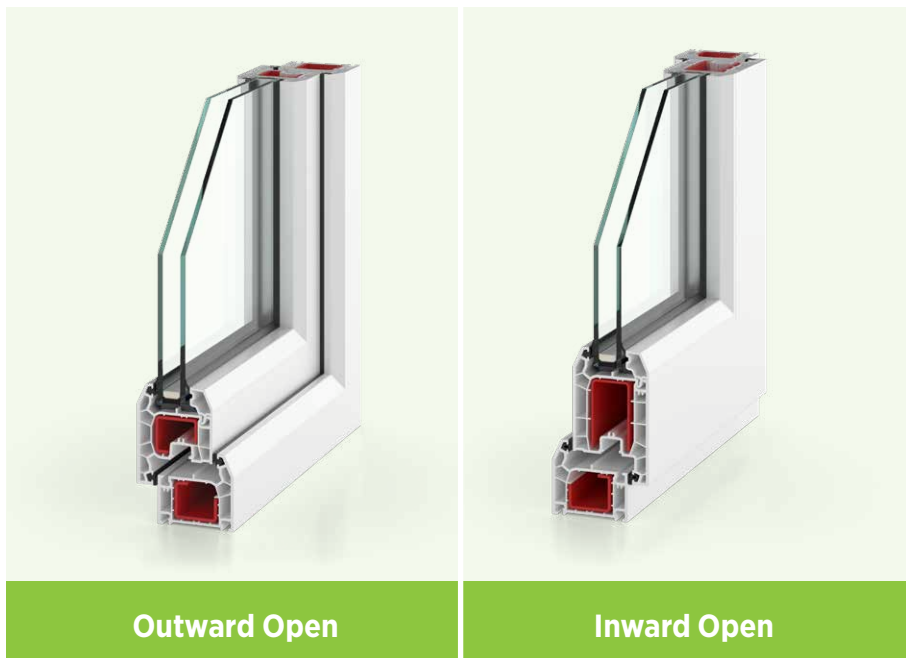


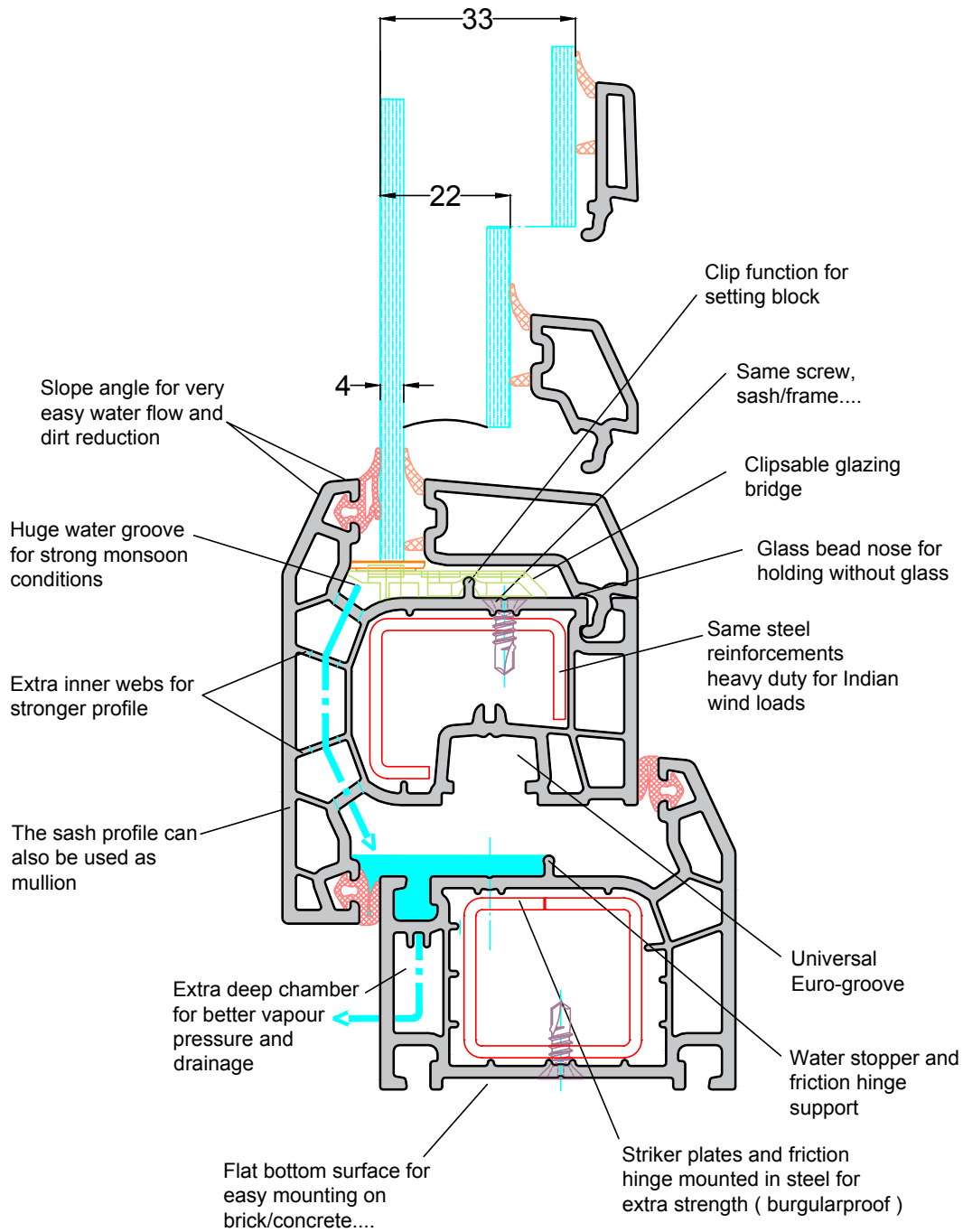
CASEMENT SYSTEM

Product Features

60 mm Casement System

- 60mm Profile width
- 3 Chambers system which improves durability
- 2 types of sash profiles-
 - Windows: 60 mm x 75 mm
 - Doors: 60 mm x 98 mm
- Euro Groove Profiles for security and better hardware fixing
- Compatible with European and Indian hardware
- Exchangeable gaskets for frames and sashes
- Co extruded gasket for glass beads
- Various Glass Units: 5 mm to 33 mm
- Water Groove to stop inwards flow
- Bigger reinforcement provision for high wind load conditions
- Extra web support for stability
- Sliding and Folding/ Bi-Fold, Tilt & Turn, Tilt & Slide Sash options
- Extra slope to provide maximum water disposal
- Laminated colour profiles available





Glass Thickness 5mm to 10mm	220100011	
Glass Thickness 18 mm to 26 mm	220100012	
Glass Thickness 28 mm to 33 mm	220100013	

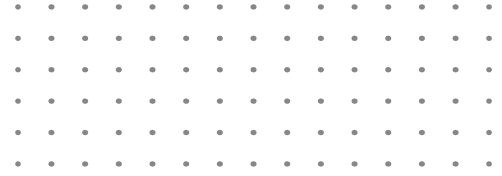




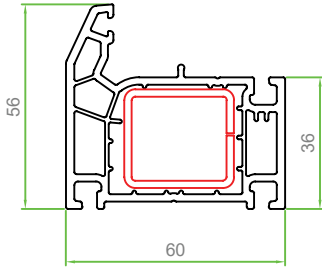
PROFILE DRAWINGS - CASEMENT

Profile Drawings

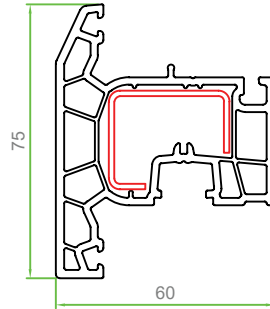
60 mm Casement System



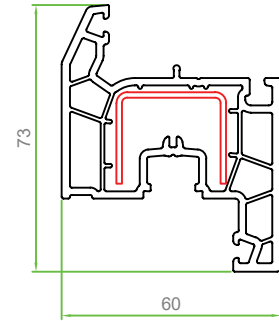
Frame
220100001



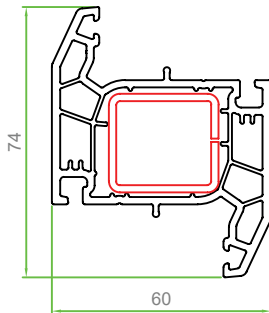
Outward Window Sash
220100002



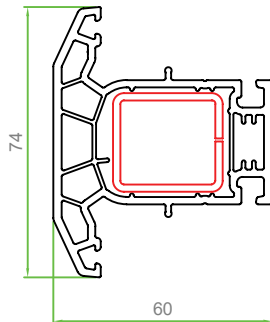
Inward Window Sash
220100003



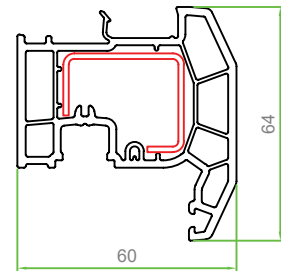
Z - Mullion
220100004



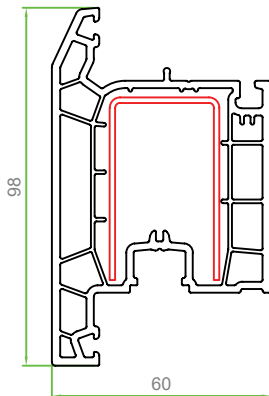
T - Mullion
220100005



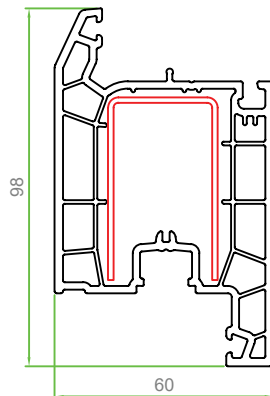
Fly Mullion
220100006



Outward Door Sash
220100007



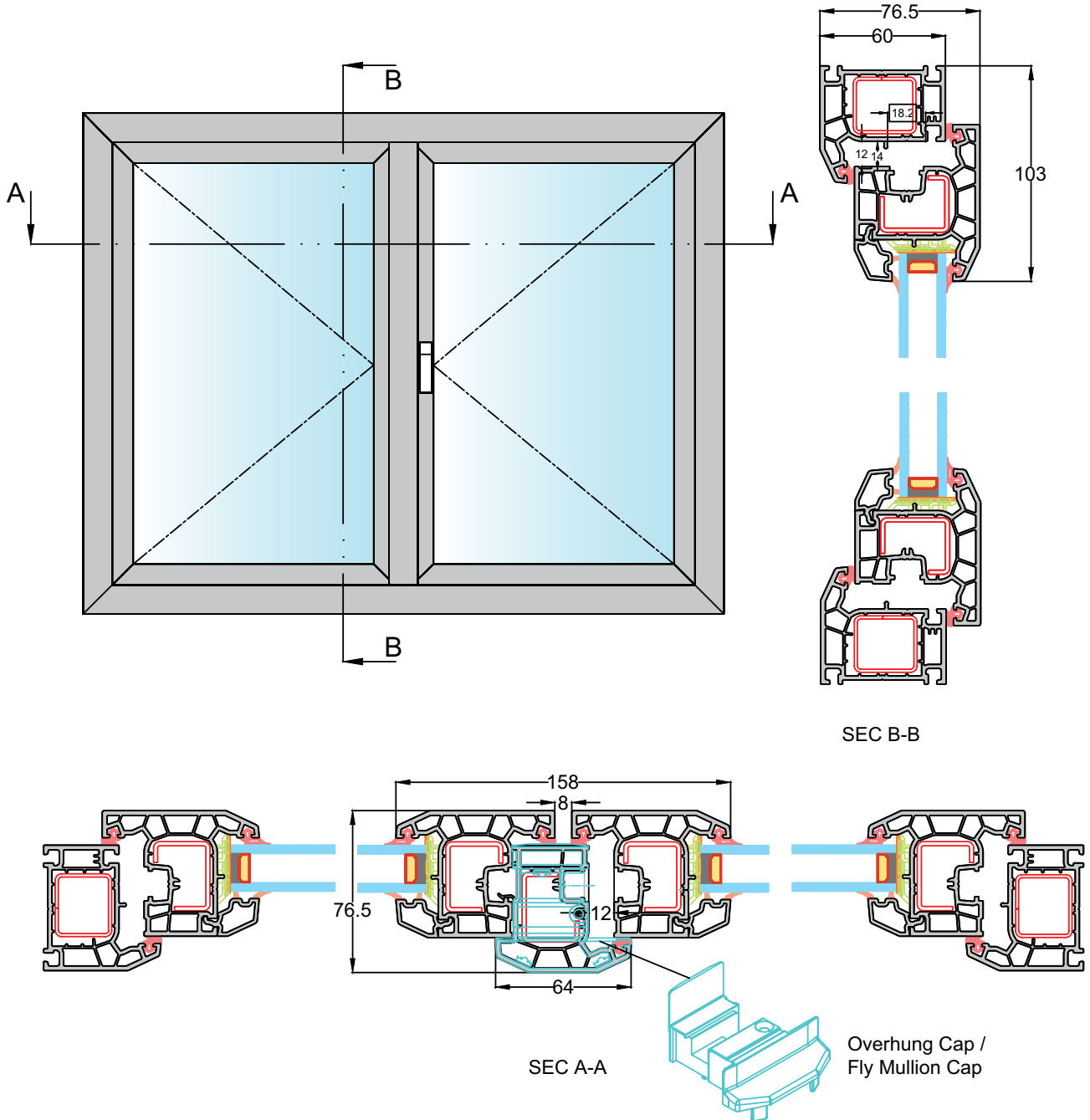
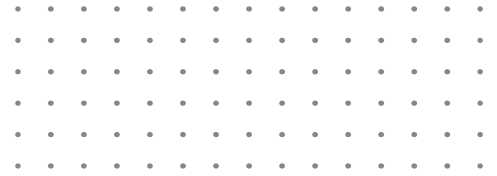
Inward Door Sash
220100008



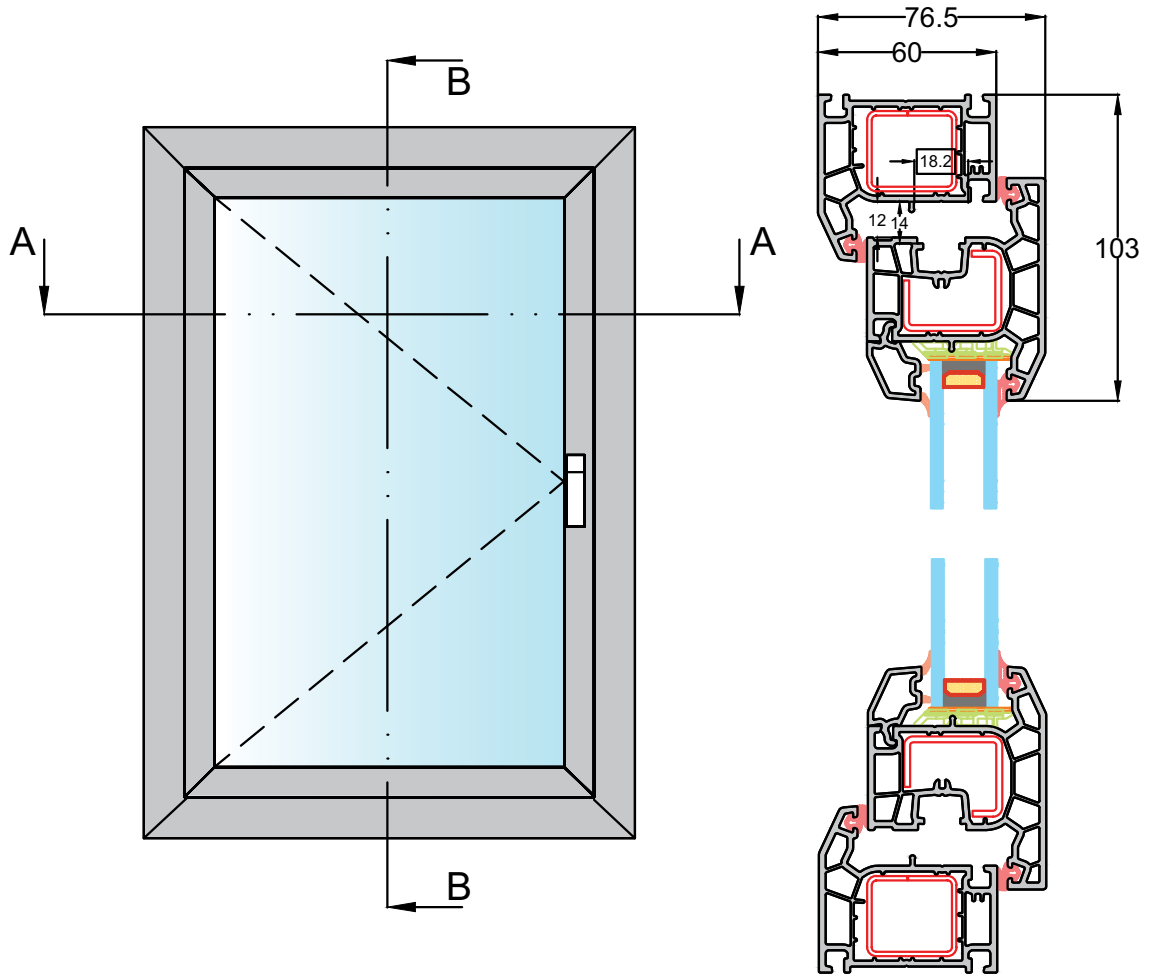


SECTION DRAWINGS - CASEMENT

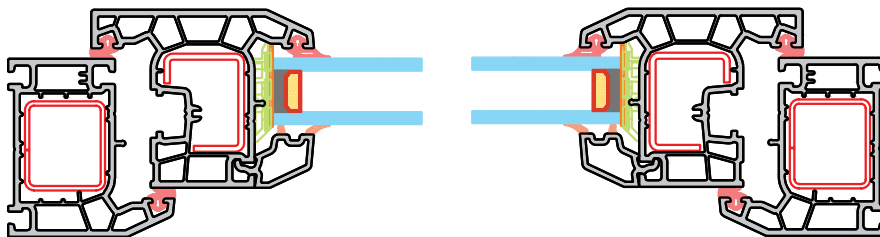
Outward French Window With Fly Mullion



Outward Window

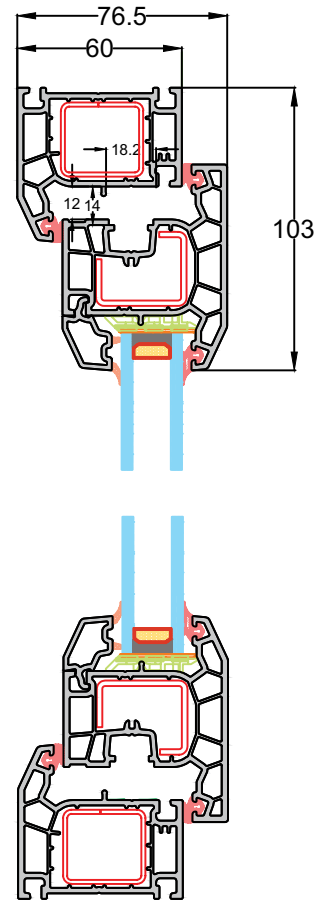
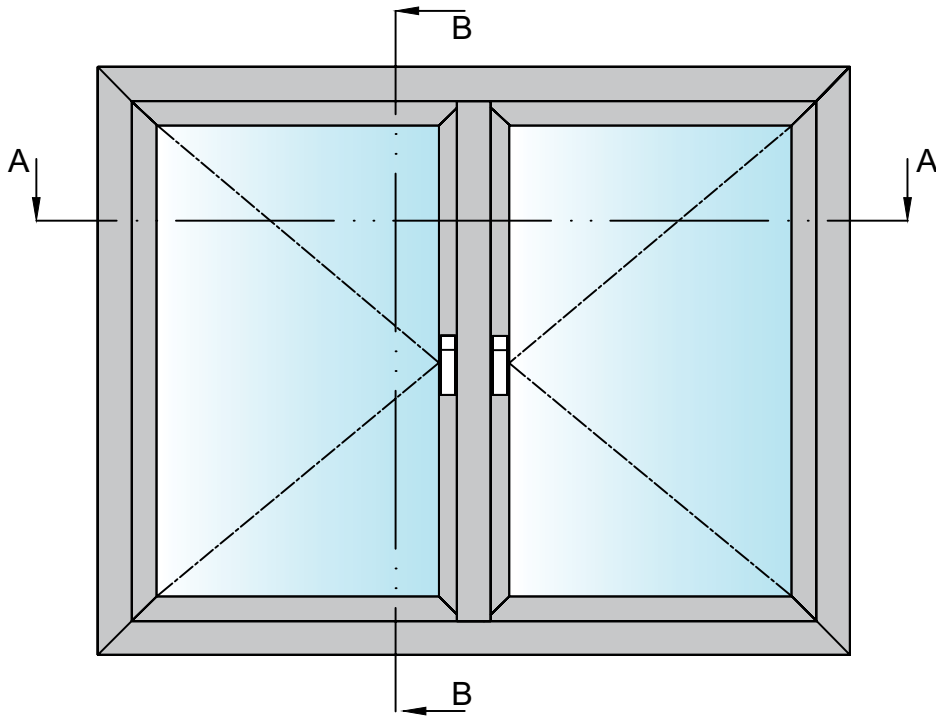


SEC B-B

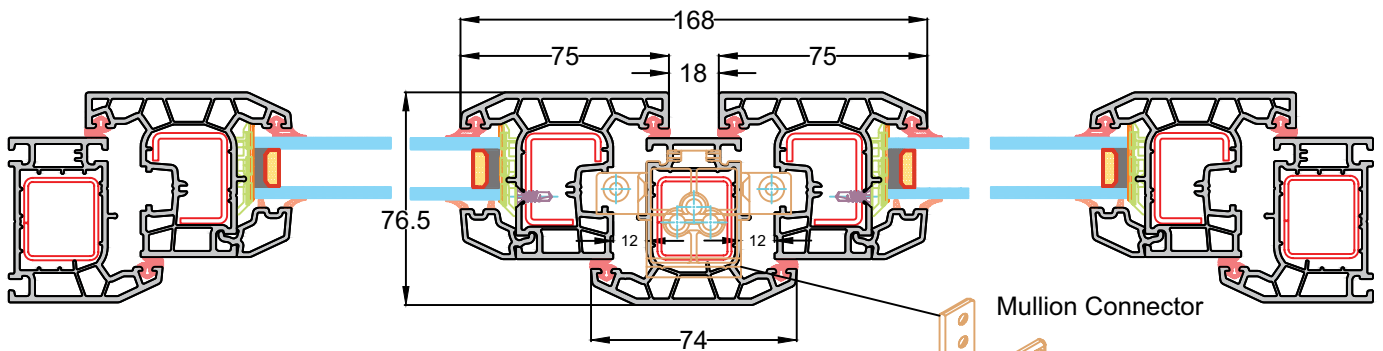


SEC A-A

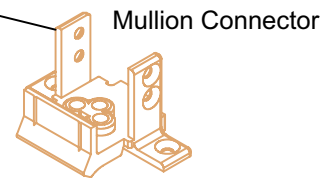
Outward Window With Fixed Mullion (T-Mullion)



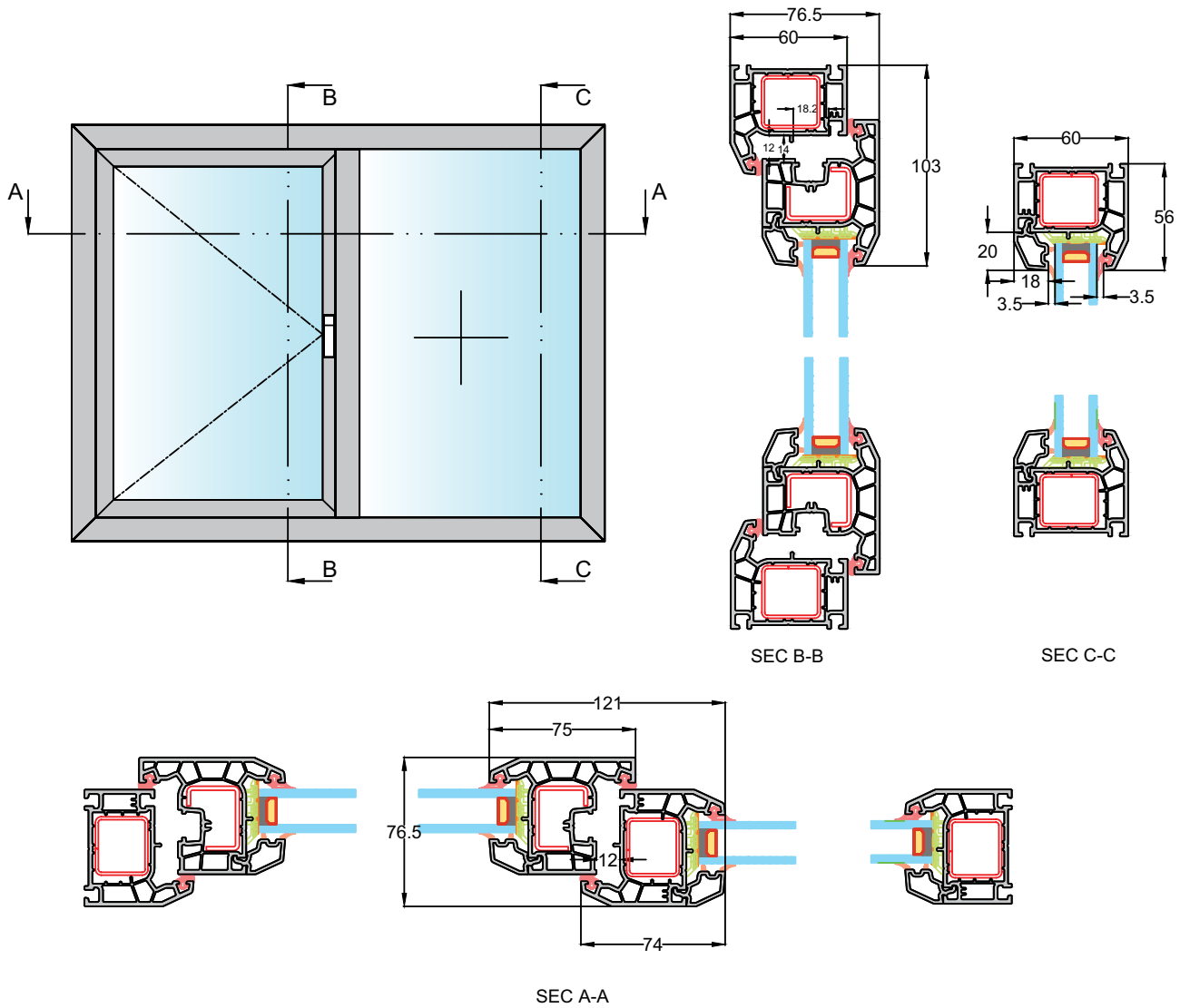
SEC B-B



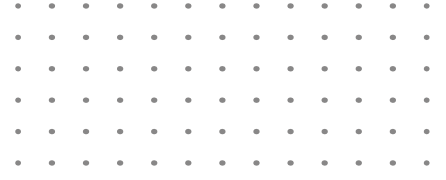
SEC A-A



Outward Window + Fixed Window (Z-Mullion)

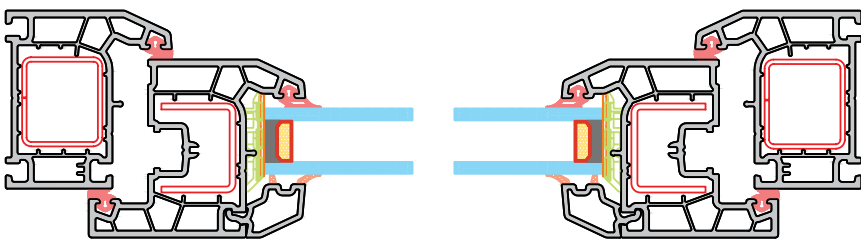
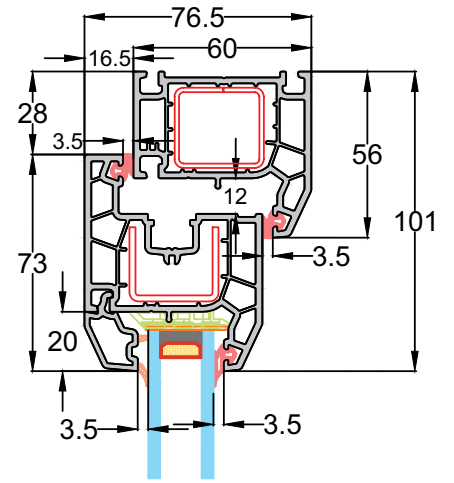
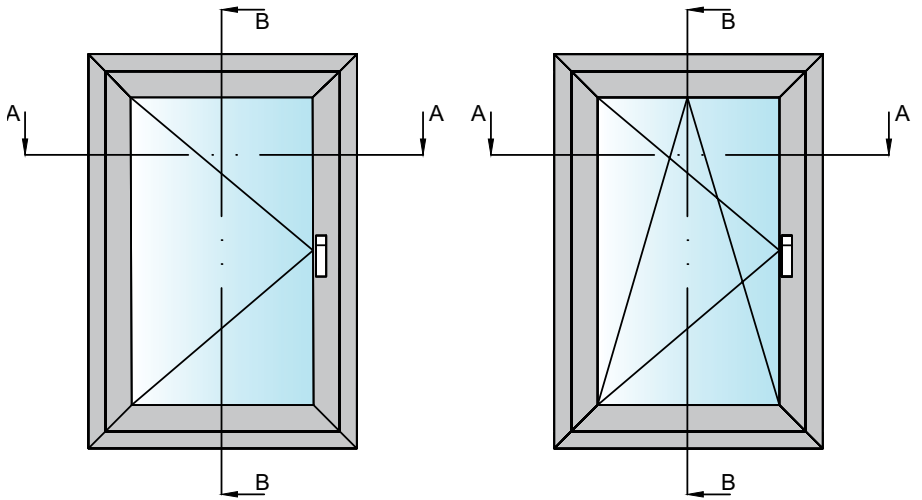


Inward/Tilt & Turn Window



INWARD WINDOW

TILT AND TURN WINDOW



SEC A-A

SEC B-B



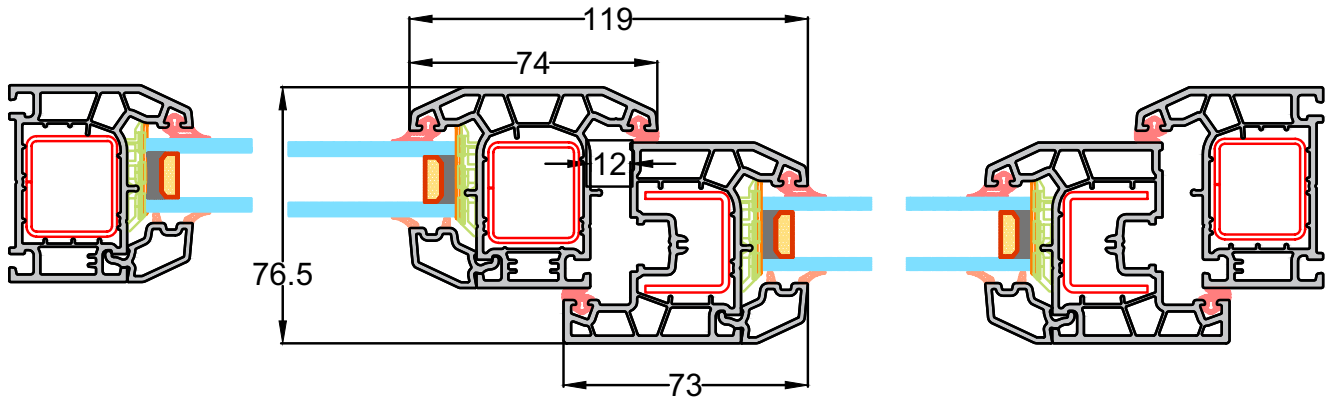
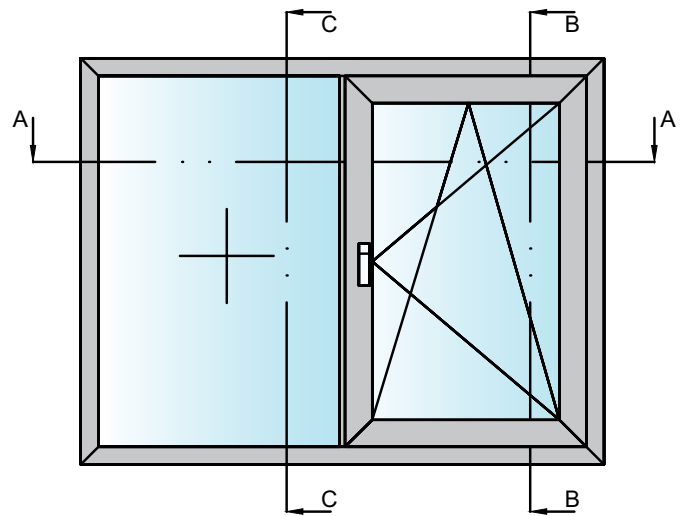
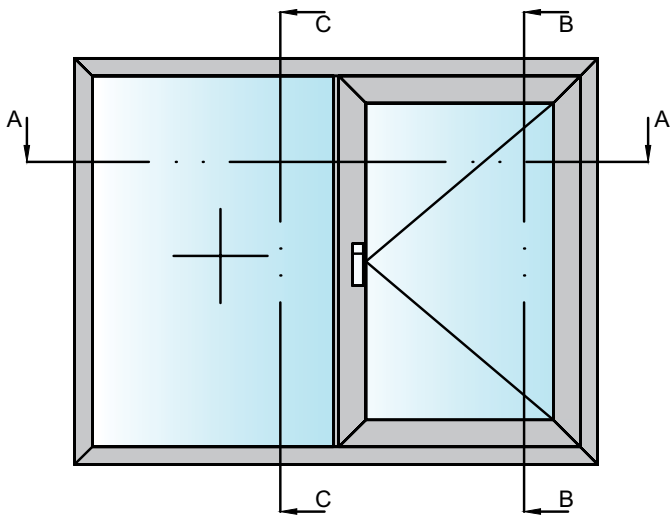


Inward/Tilt & Turn Window + Fixed Window (T-Mullion)



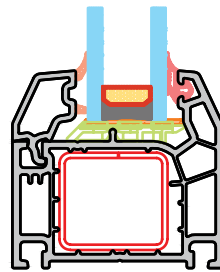
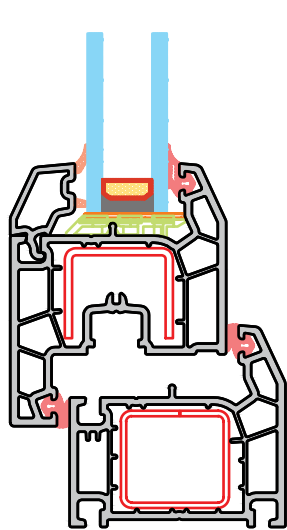
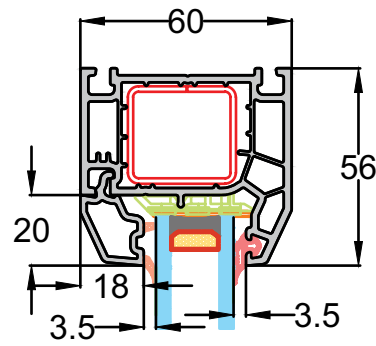
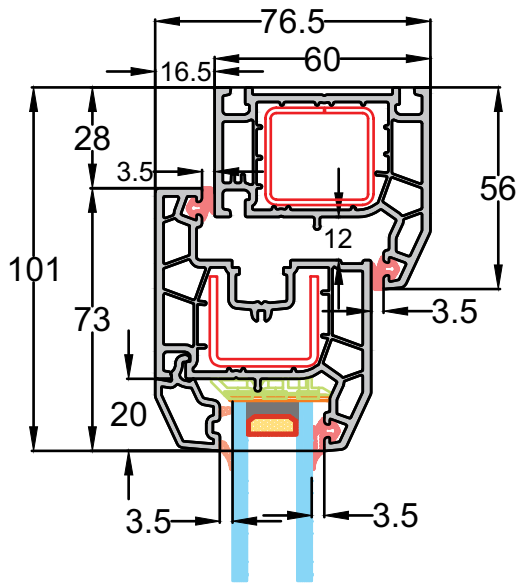
INWARD WINDOW + FIXED WINDOW WITH T MULLION

TILT AND TURN + FIXED WINDOW WITH T MULLION



SEC A-A





SEC B-B

SEC C-C

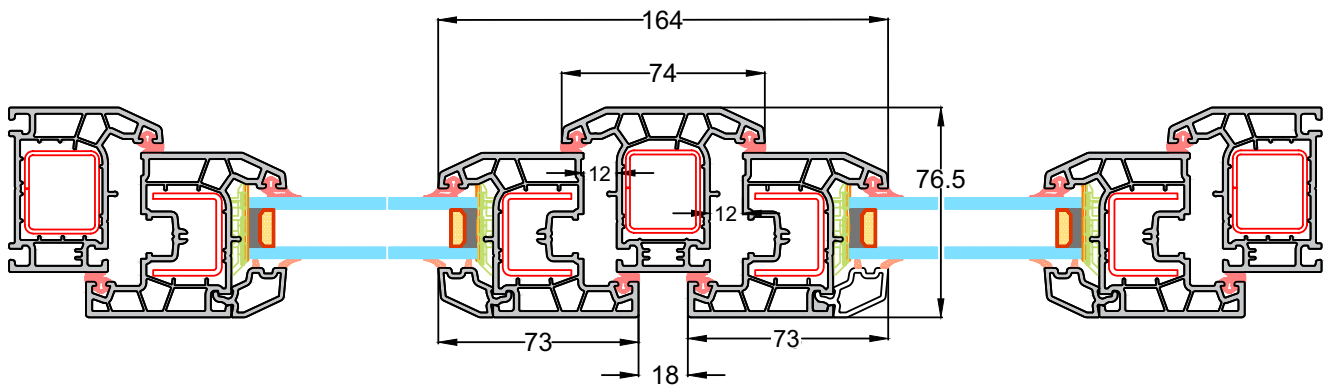
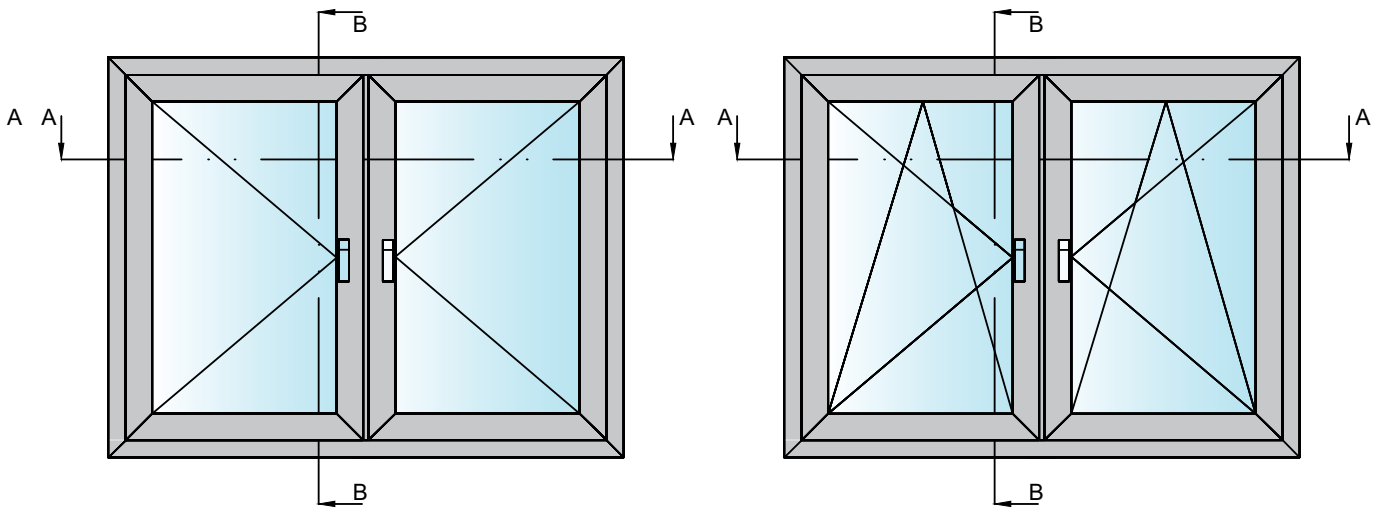


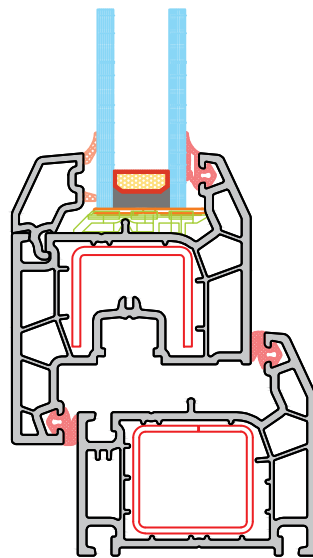
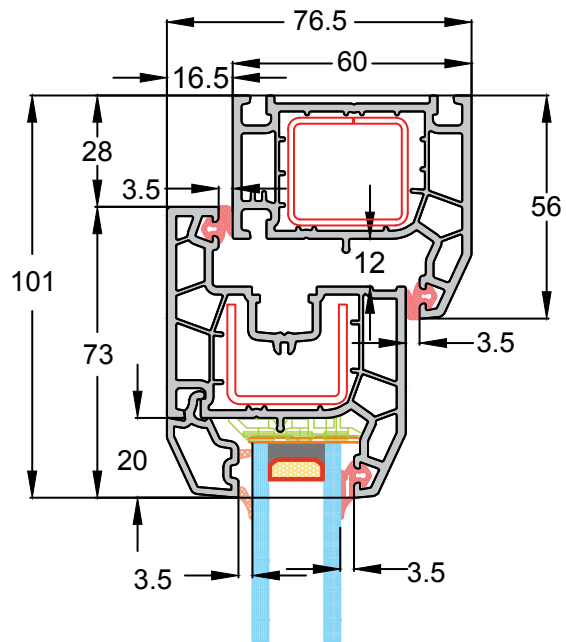
Inward/ Tilt & Turn Window with Fixed Mullion (T-Mullion)



INWARD WINDOW WITH FIXED MULLION(T - MULLION)

TILT AND TURN WINDOW WITH FIXED MULLION(T - MULLION)

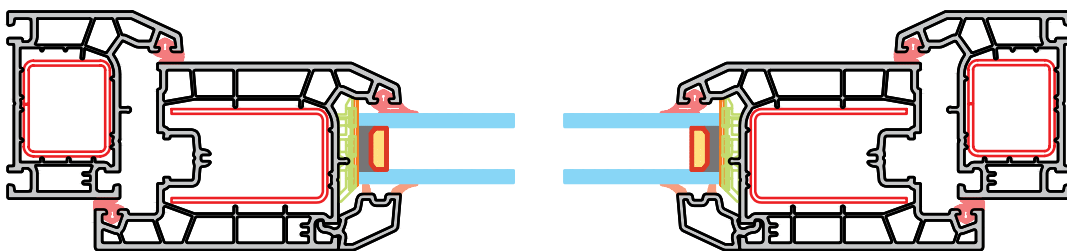
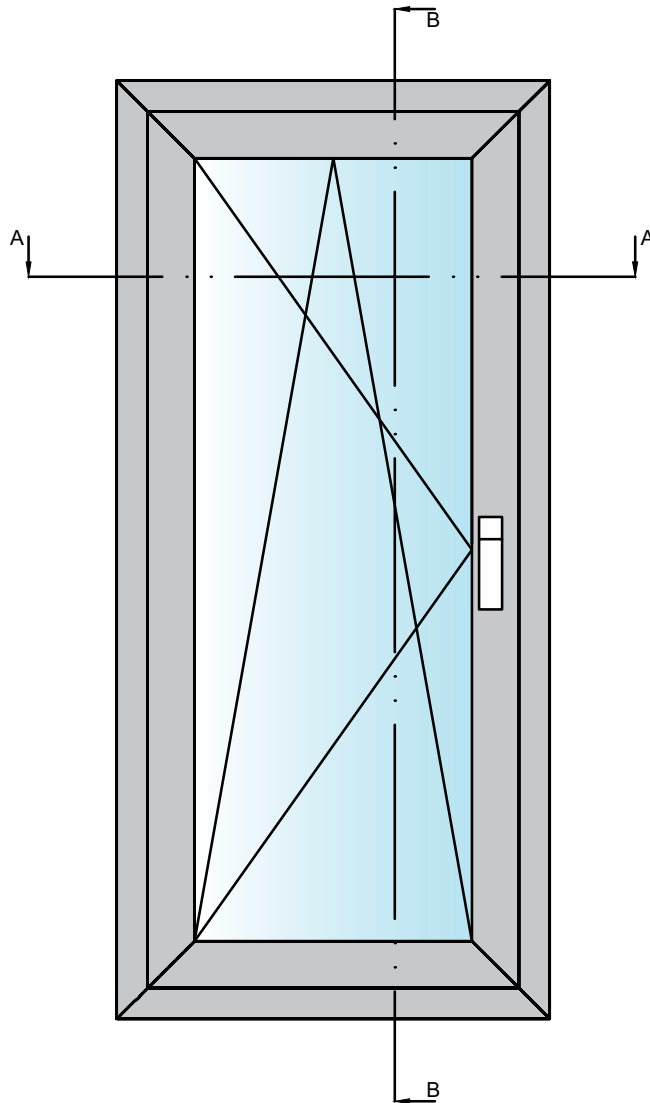
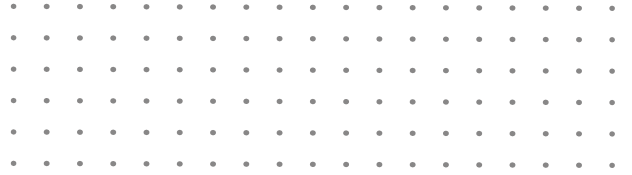




SEC B-B



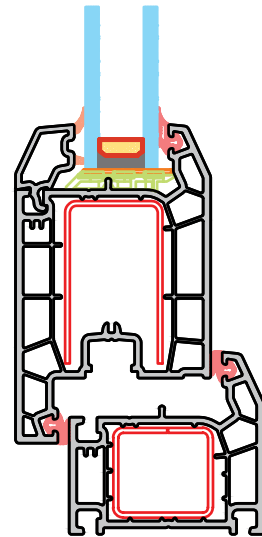
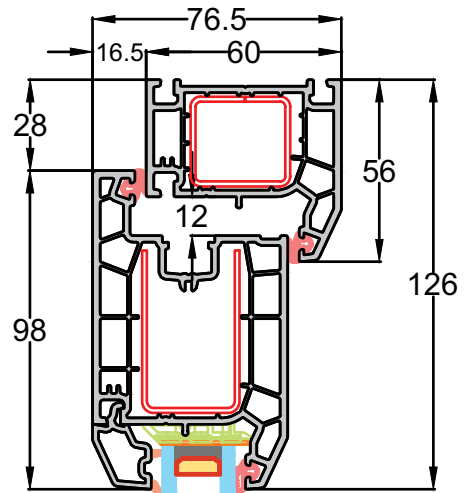
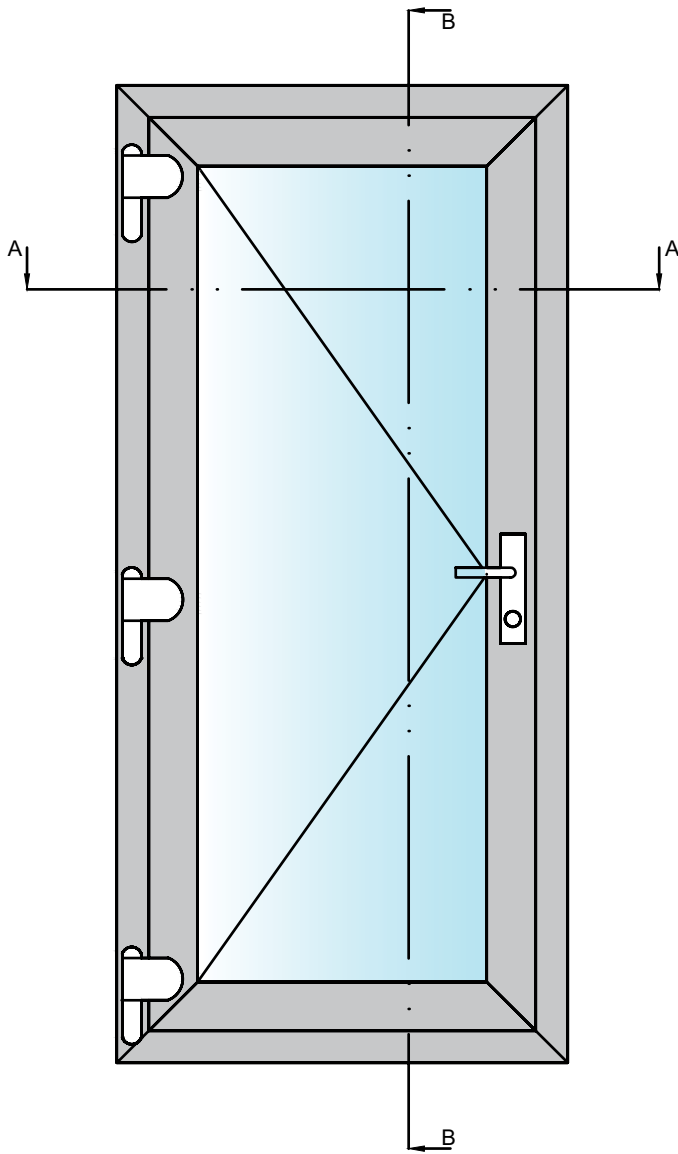
Tilt & Turn Window/ Inward Door



SEC A-A

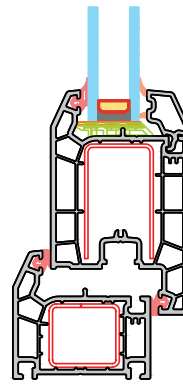
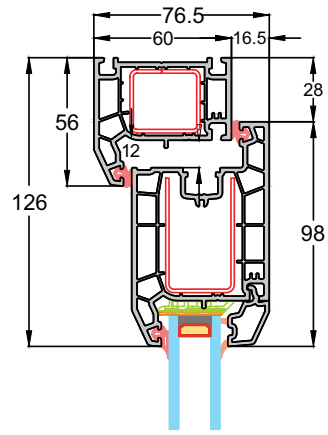
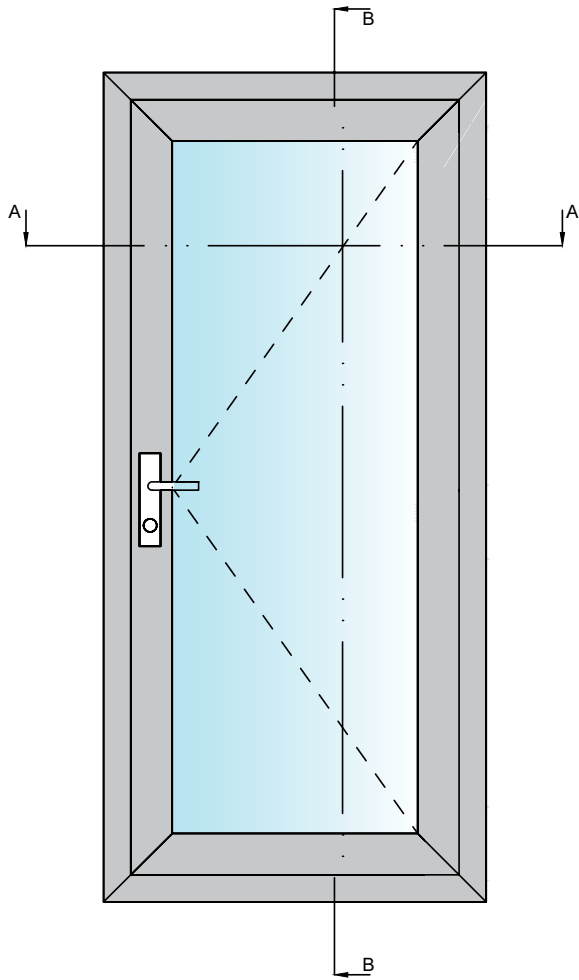
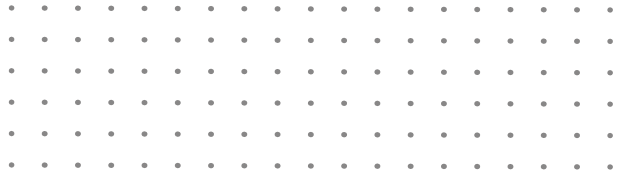


Inward Door

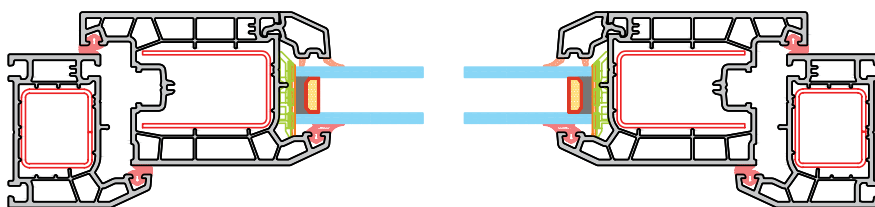


SEC B-B

Outward Door



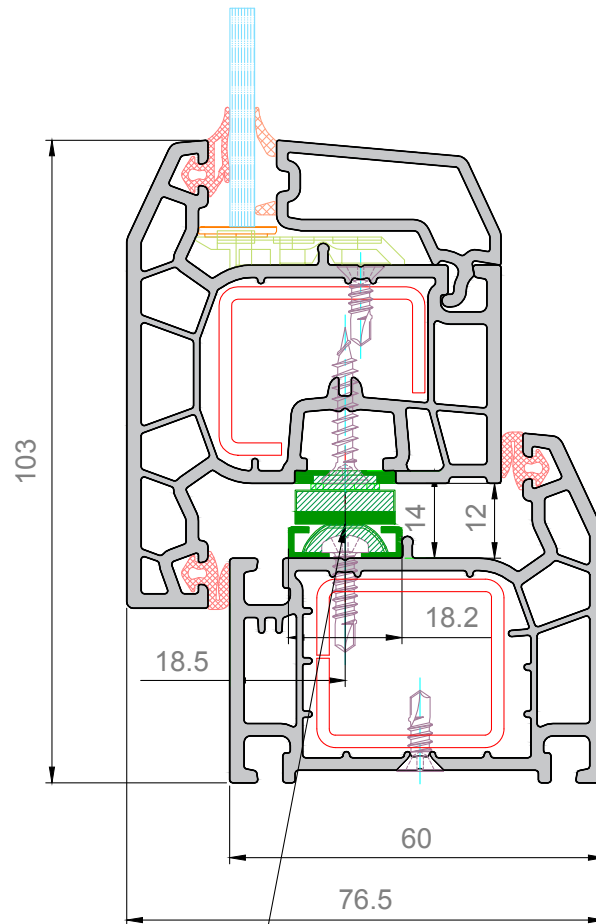
SEC B-B



SEC A-A

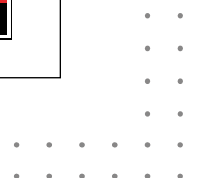


Casement Window Friction Stay 13.5 mm Stack Height

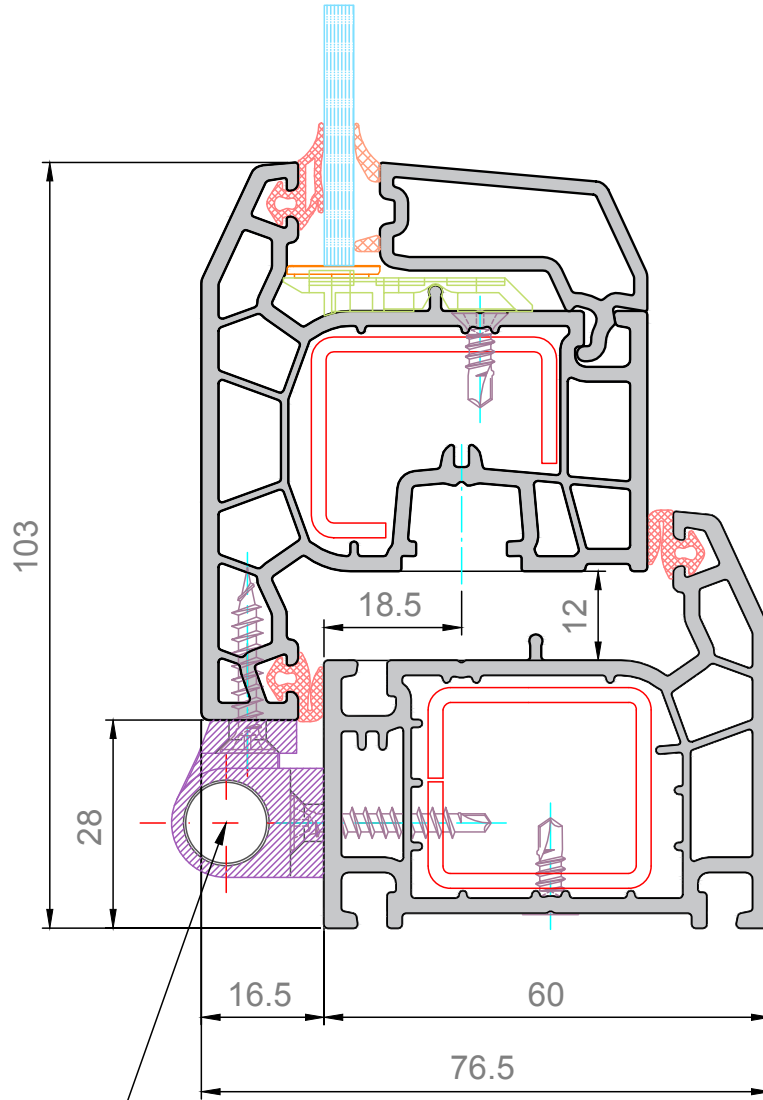
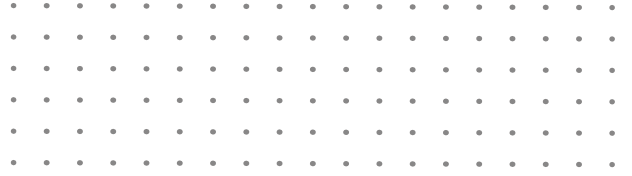


Friction Stay 13.5 mm stack height

Frame	220100001	
Casement Sash Outward	220100002	
Glass Bead 36mm	220100011	

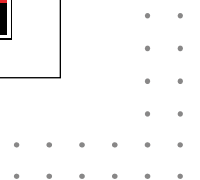


Casement Window 2D Hinge

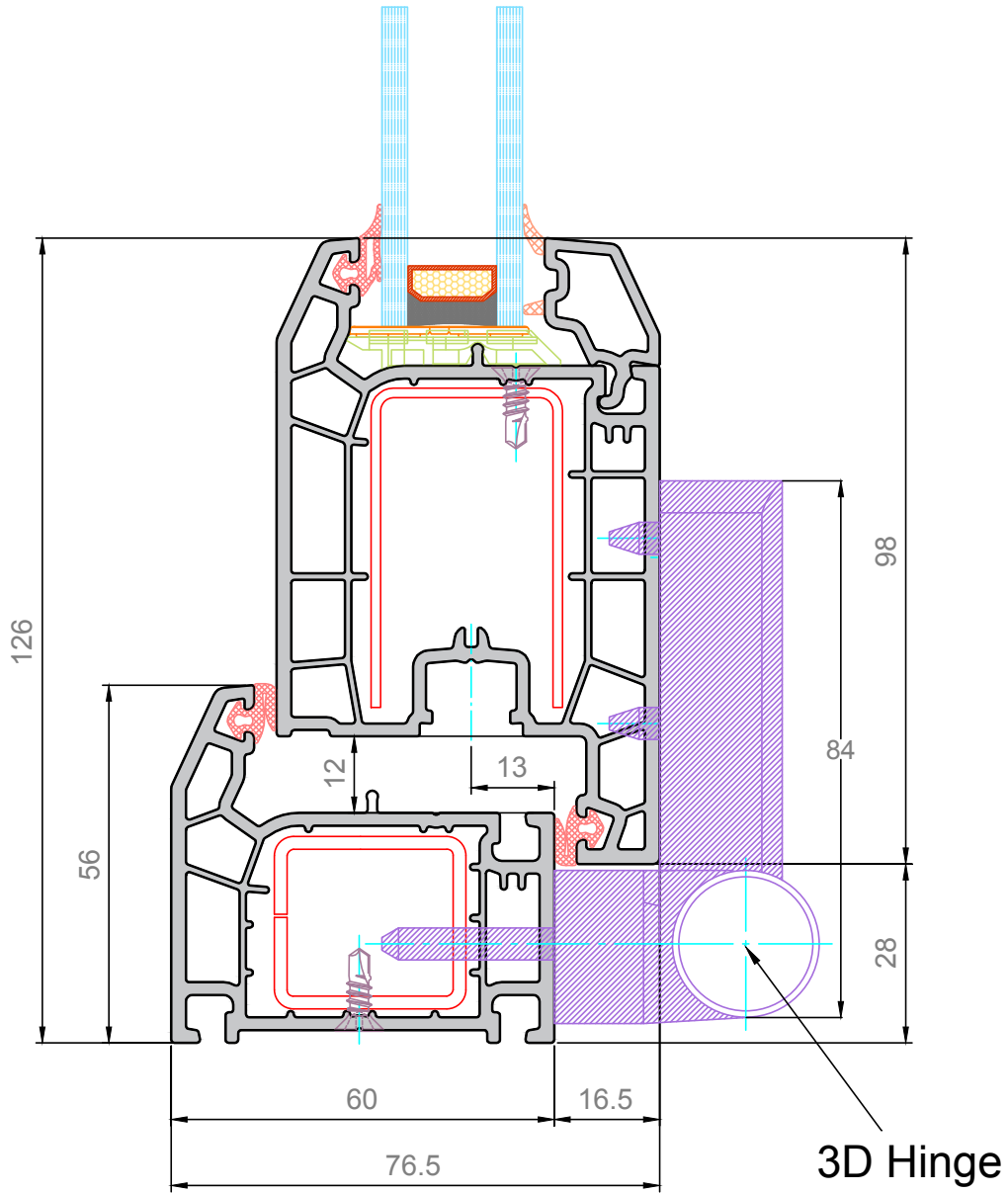


2D Hinge

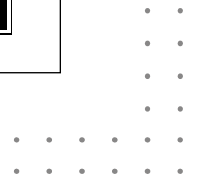
Frame	220100001	
Casement Sash Outward	220100002	
Glass Bead 36mm	220100011	



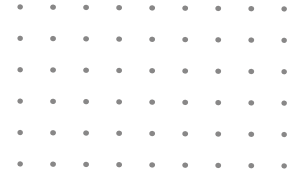
Casement Door 3D Hinge



Frame	220100001	
Casement Doorsash Inward	220100008	
Glass Bead 18mm	220100012	



Casement Door Handle ESPAG 36 mm Backset



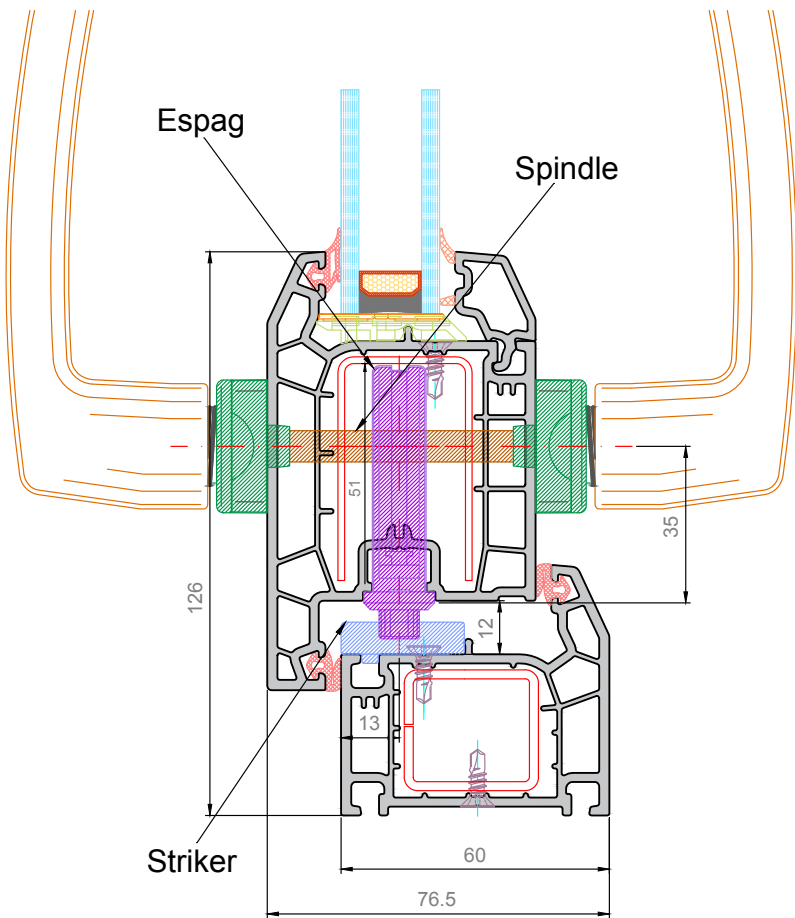
Suitable Handles



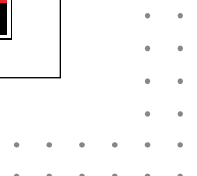
Door Handle
without key cylinder



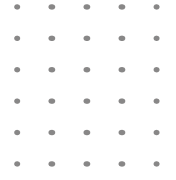
Door Handle
with lock



Frame	220100001	
Casement Doorsash Outward	220100007	
Glass Bead 18mm	220100012	



Casement Outward Window ESPAG 22 mm Backset



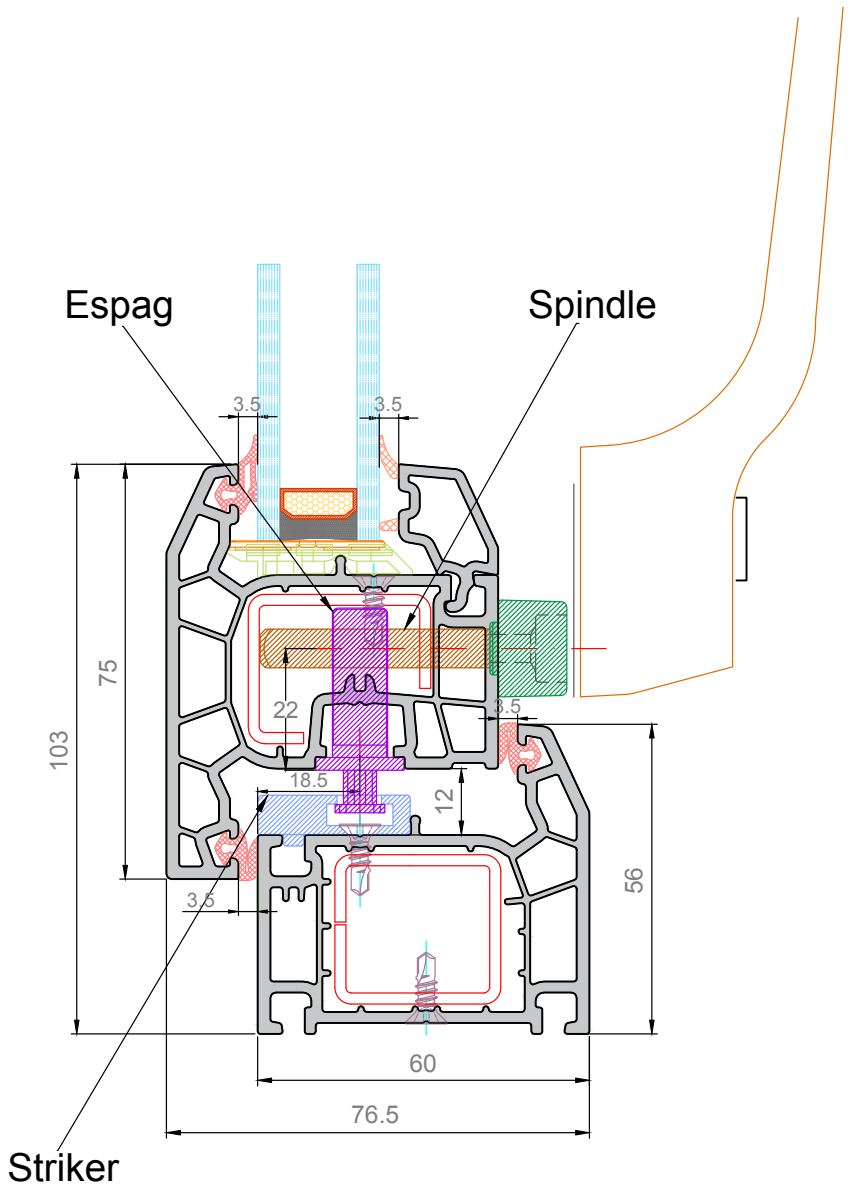
Suitable Handles



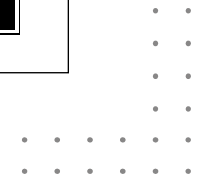
Window Handle without key



Window Handle with key



Frame	220100001	
Casement Sash Outward	220100002	
Glass Bead 18mm	220100012	



Casement Inward Window ESPAG 15 mm Backset



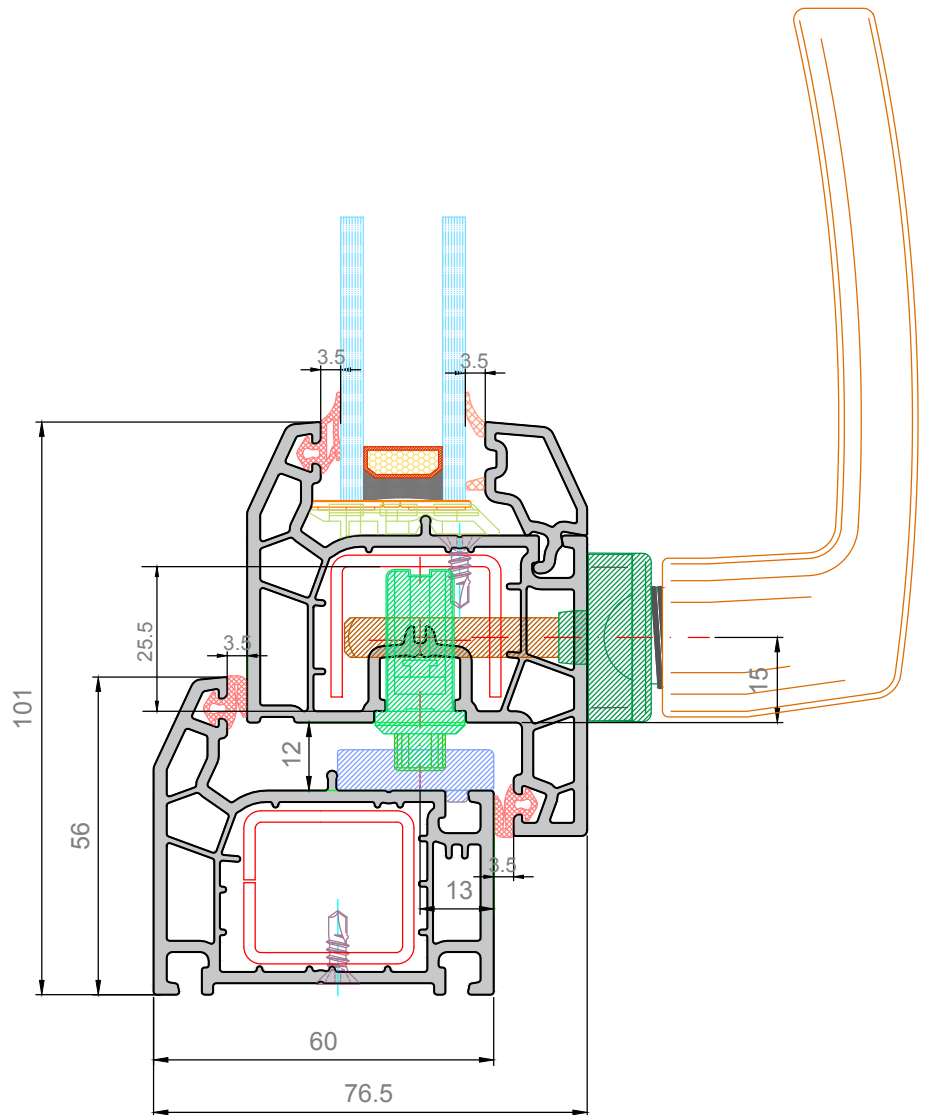
Suitable Handles



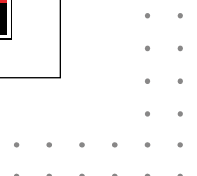
Window Handle
without key



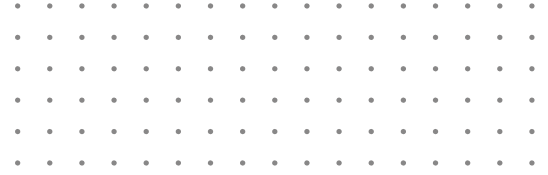
Window Handle
with key



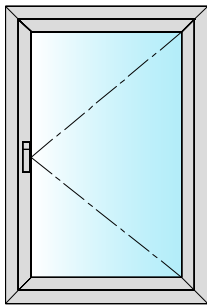
Frame	220100001	
Casement Doorsash Inward	220100008	
Glass Bead 18mm	220100012	



Limitations for Casement Window



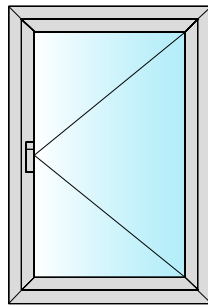
Outward Open



Min-400mm
Max-1500mm

Min-400mm
Max-1000mm

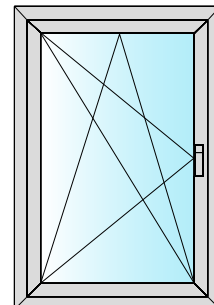
Inward Open



Min-400mm
Max-1500mm

Min-400mm
Max-1000mm

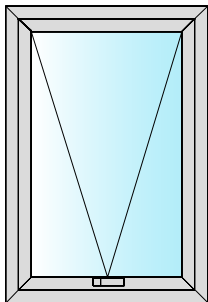
Inward Open
(Tilt & Turn)



Min-600mm
Max-1500mm

Min-400mm
Max-1000mm

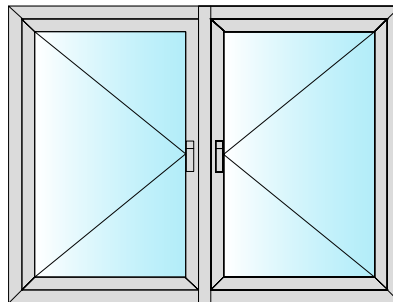
Top Hung



Min-450mm
Max-1200mm

Min-450mm
Max-750mm

Inward Open



Min-400mm
Max-1500mm

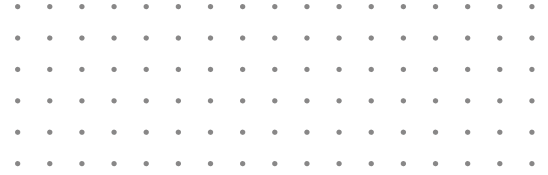
Min-800mm
Max-1800mm

Note

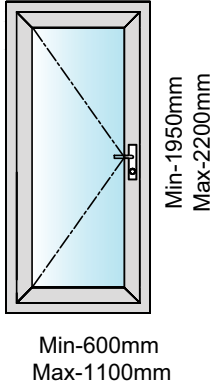
- Windows above 1501mm in height will fall under door specifications
- Sizes mentioned are end to end with 1.5mm reinforcement for windows
- The above mentioned limitations can be met with supportive reinforcement design, thickness and hardware load bearing capacity
- For more details about reinforcements specifications, please refer to reinforcements section.



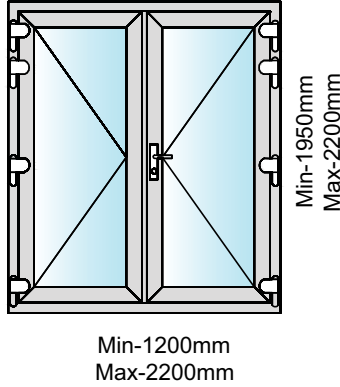
Limitations for Casement Door



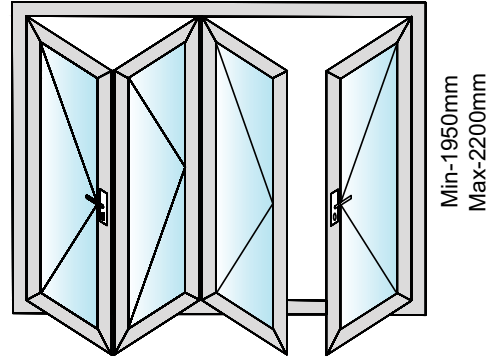
"OPEN-OUT"
Single Side Hung Door



"OPEN-IN"
Double Leaf Door

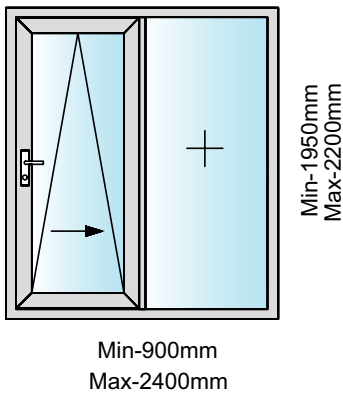


FOLD & SLIDE DOOR

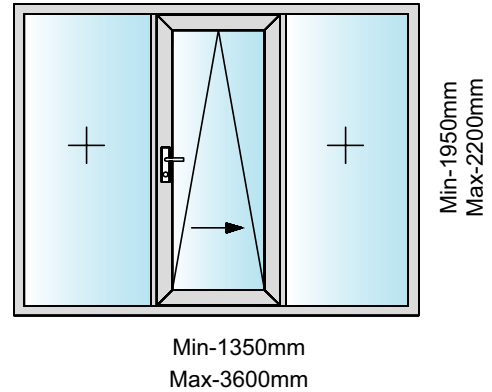


Scheme 321 Min-1300mm Max-3500mm
Scheme 431 Min-1500mm Max-4500mm
Scheme 541 Min-1850mm Max-5600mm
Scheme 651 Min-2200mm Max-5800mm

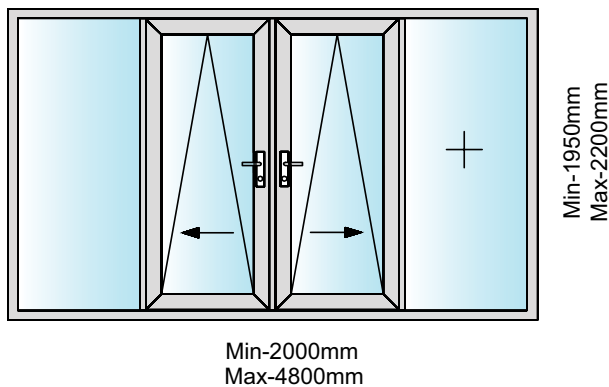
TILT & SLIDE DOOR



TILT & SLIDE DOOR



TILT & SLIDE DOOR



Note:

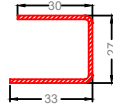
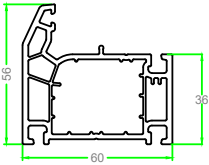
- Sizes mentioned are end to end with 2mm reinforcement for doors
- The above mentioned limitations can be met with supportive reinforcement design, thickness and hardware load bearing capacity
- For more details about reinforcements specifications, please refer to reinforcements section.





REINFORCEMENTS - CASEMENT

Casement Frame 60 Series (220100001)

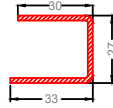


100015001

$I_x = 1.6940 \text{ cm}^4$
 $I_y = 1.3095 \text{ cm}^4$



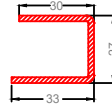
1.5 mm



100020001

$I_x = 2.1649 \text{ cm}^4$
 $I_y = 1.6987 \text{ cm}^4$

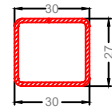
2 mm



100023001

$I_x = 2.4275 \text{ cm}^4$
 $I_y = 1.9220 \text{ cm}^4$

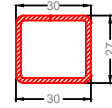
2.3 mm



100015002

$I_x = 1.7037 \text{ cm}^4$
 $I_y = 2.0137 \text{ cm}^4$

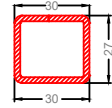
1.5 mm



100020002

$I_x = 2.1608 \text{ cm}^4$
 $I_y = 2.5621 \text{ cm}^4$

2 mm

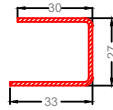
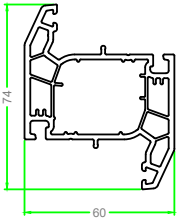


100023002

$I_x = 2.4112 \text{ cm}^4$
 $I_y = 2.8664 \text{ cm}^4$

2.3 mm

Z-Mullion 60 Series (220100004)

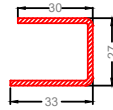


100015001

$I_x = 1.6940 \text{ cm}^4$
 $I_y = 1.3095 \text{ cm}^4$



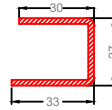
1.5 mm



100020001

$I_x = 2.1649 \text{ cm}^4$
 $I_y = 1.6987 \text{ cm}^4$

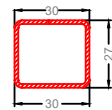
2 mm



100023001

$I_x = 2.4275 \text{ cm}^4$
 $I_y = 1.9220 \text{ cm}^4$

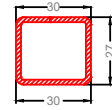
2.3 mm



100015002

$I_x = 1.7037 \text{ cm}^4$
 $I_y = 2.0137 \text{ cm}^4$

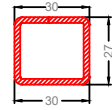
1.5 mm



100020002

$I_x = 2.1608 \text{ cm}^4$
 $I_y = 2.5621 \text{ cm}^4$

2 mm

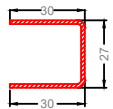
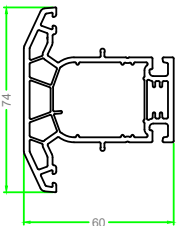


100023002

$I_x = 2.4112 \text{ cm}^4$
 $I_y = 2.8664 \text{ cm}^4$

2.3 mm

T-Mullion 60 Series (220100005)

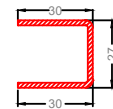


100015008

$I_x = 1.5882 \text{ cm}^4$
 $I_y = 1.1651 \text{ cm}^4$



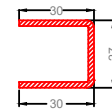
1.5 mm



100020003

$I_x = 2.0238 \text{ cm}^4$
 $I_y = 1.5137 \text{ cm}^4$

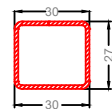
2 mm



100023003

$I_x = 2.2652 \text{ cm}^4$
 $I_y = 1.7144 \text{ cm}^4$

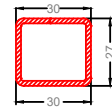
2.3 mm



100015002

$I_x = 1.7037 \text{ cm}^4$
 $I_y = 2.0137 \text{ cm}^4$

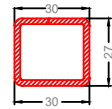
1.5 mm



100020002

$I_x = 2.1608 \text{ cm}^4$
 $I_y = 2.5621 \text{ cm}^4$

2 mm

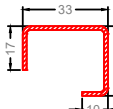
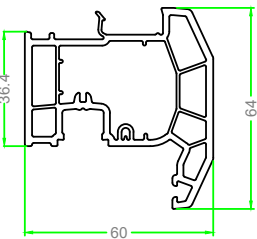


100023002

$I_x = 2.4112 \text{ cm}^4$
 $I_y = 2.8664 \text{ cm}^4$

2.3 mm

Fly Mullion 60 Series (220100006)

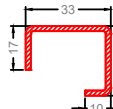


100015004

$I_x = 0.7909 \text{ cm}^4$
 $I_y = 2.1332 \text{ cm}^4$



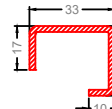
1.5 mm



100020004

$I_x = 1.0022 \text{ cm}^4$
 $I_y = 2.7224 \text{ cm}^4$

2 mm



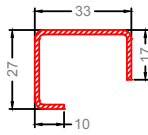
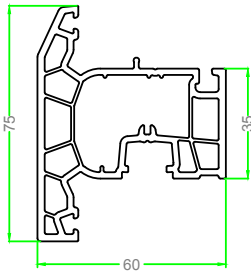
100023004

$I_x = 1.1187 \text{ cm}^4$
 $I_y = 3.0485 \text{ cm}^4$

2.3 mm

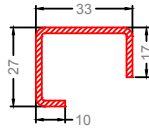


Sash 60 Series (220100002)



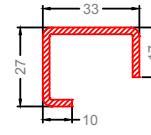
100015004
 $I_x = 0.7909 \text{ cm}^4$
 $I_y = 2.1332 \text{ cm}^4$

1.5 mm



100020004
 $I_x = 1.0022 \text{ cm}^4$
 $I_y = 2.7224 \text{ cm}^4$

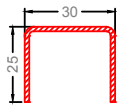
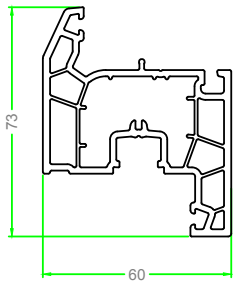
2 mm



100023004
 $I_x = 1.1187 \text{ cm}^4$
 $I_y = 3.0485 \text{ cm}^4$

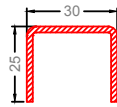
2.3 mm

T&T Sash 60 Series (220100003)



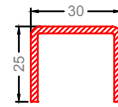
100015005
 $I_x = 0.7346 \text{ cm}^4$
 $I_y = 1.7063 \text{ cm}^4$

1.5 mm



100020005
 $I_x = 0.9520 \text{ cm}^4$
 $I_y = 2.1838 \text{ cm}^4$

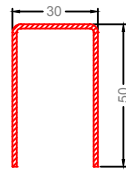
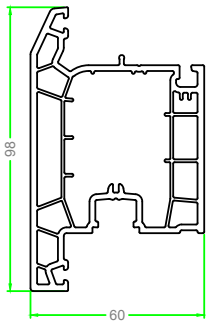
2 mm



100023005
 $I_x = 1.0759 \text{ cm}^4$
 $I_y = 2.4487 \text{ cm}^4$

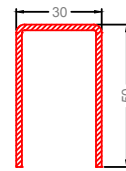
2.3 mm

Door Sash 60 Series (220100007)



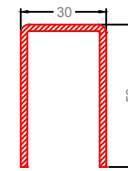
100015006
 $I_x = 4.8962 \text{ cm}^4$
 $I_y = 3.2363 \text{ cm}^4$

1.5 mm



100020006
 $I_x = 6.4222 \text{ cm}^4$
 $I_y = 4.1525 \text{ cm}^4$

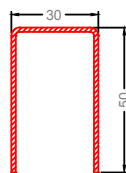
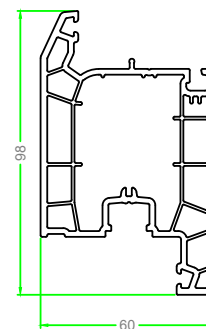
2 mm



100023006
 $I_x = 7.3134 \text{ cm}^4$
 $I_y = 4.6660 \text{ cm}^4$

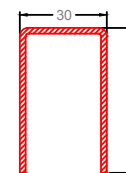
2.3 mm

Door Sash 60 Series (220100008)



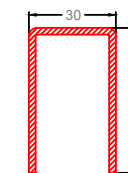
100015006
 $I_x = 4.8962 \text{ cm}^4$
 $I_y = 3.2363 \text{ cm}^4$

1.5 mm



100020006
 $I_x = 6.4222 \text{ cm}^4$
 $I_y = 4.1525 \text{ cm}^4$

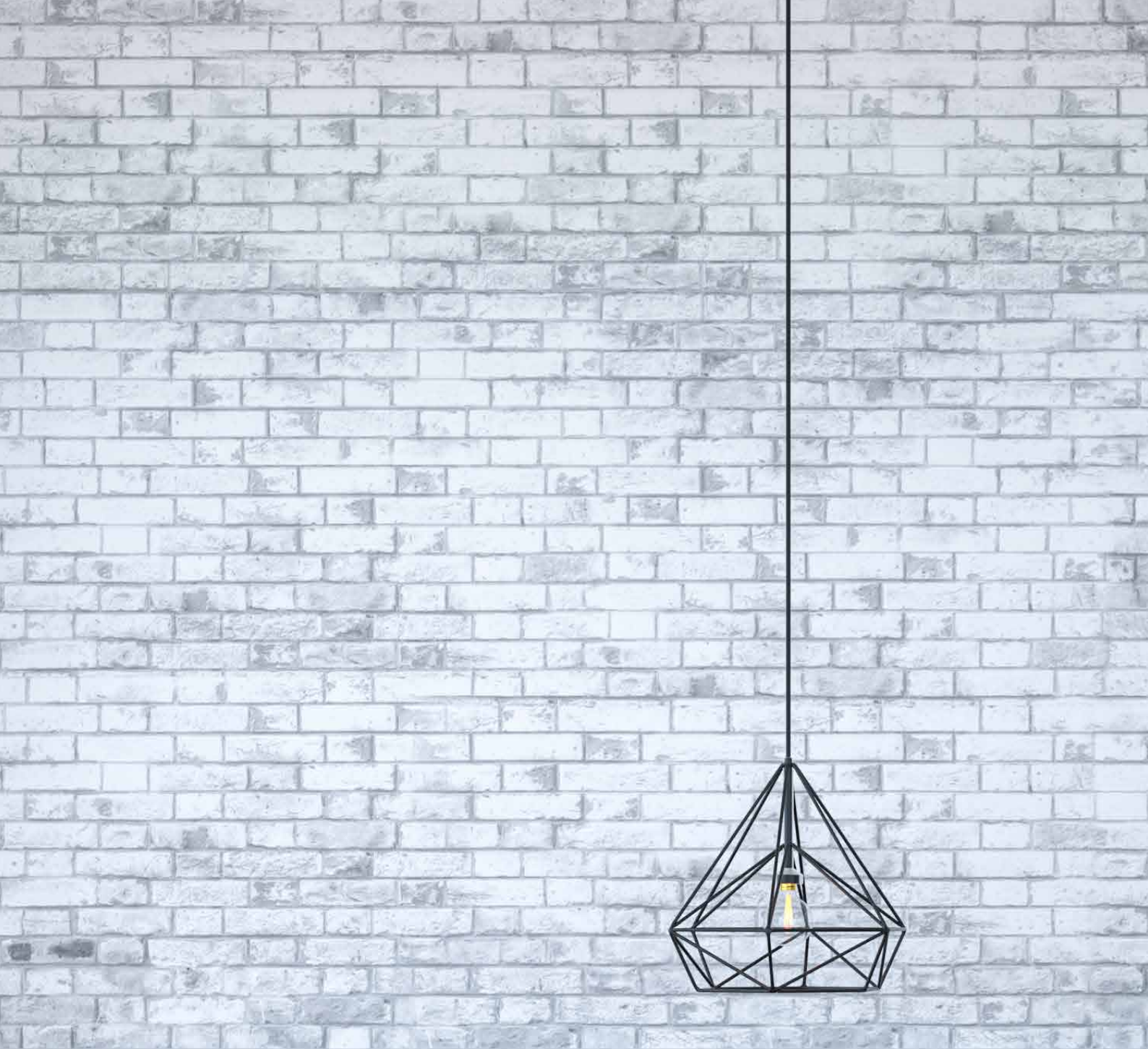
2 mm



100023006
 $I_x = 7.3134 \text{ cm}^4$
 $I_y = 4.6660 \text{ cm}^4$

2.3 mm







SLIDING SYSTEM

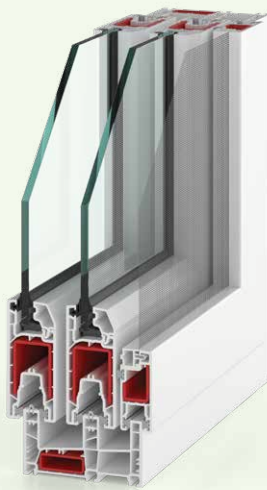
Product Features

60 mm Sliding System

- 60mm Profile width
- 4 types of sash profiles,
 - Sliding door with Euro Grove: 39 mm x 88 mm
 - Sliding window with Euro Grove: 39 mm x 68 mm
 - Sliding window: 39 mm x 60 mm
 - Mosquito Sash (for mesh): 24.5 mm x 60 mm
- Euro Grove Profiles for security and better hardware fixing
- Compatible with European and Indian hardware
- Various additional profiles,
 - Mosquito Mesh Insert for perfect mesh screen fixing
 - Static bar (Hurricane bar) for high rise buildings
 - Additional Clip on track
- Exchangeable gaskets for frames and sashes
- Co extruded gasket for glass beads
- Various Glass Units: 5 mm to 20 mm
- Extra web support for stability
- Extra Slope to provide maximum water disposal
- Bigger reinforcement provision for high wind load conditions
- Aluminium track for smooth and durable operations
- Laminated colour profiles available



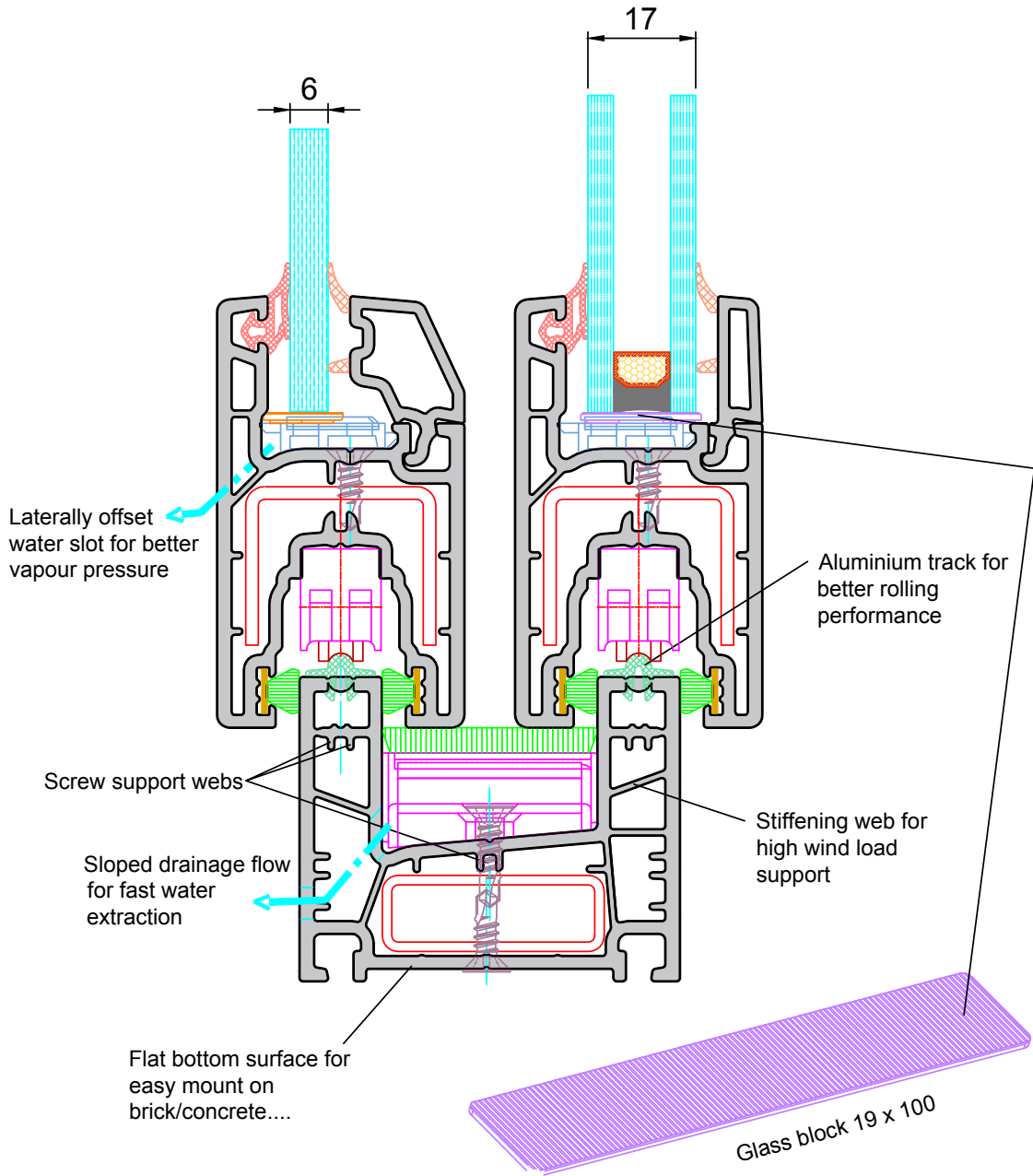
2 Track



2.5 Track



3 Track



Glass Thickness 5 mm to 11 mm	220100012	
Glass Thickness 12 mm to 20 mm	220100013	

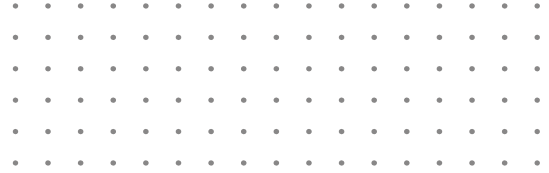




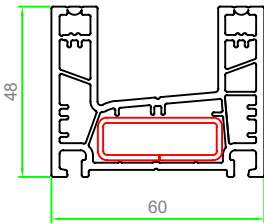
PROFILE DRAWINGS - SLIDING

Profile Drawings

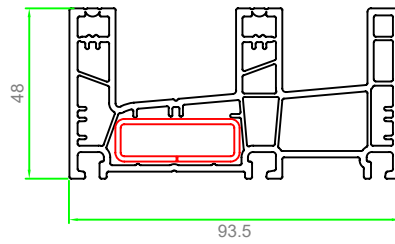
60 mm Sliding System



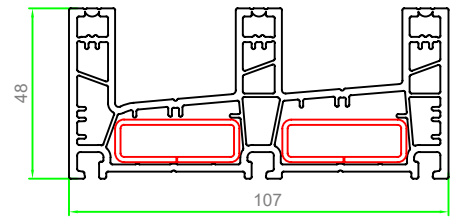
Sliding Frame
220100018



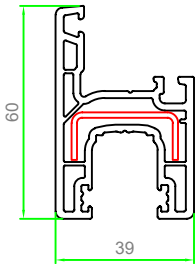
Sliding 2.5 Track
220100022



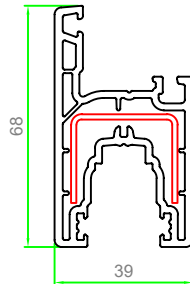
Sliding Frame 3 Track
220100023



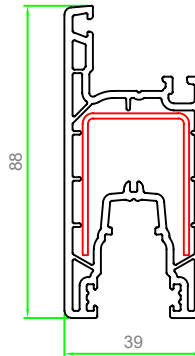
Sliding Sash
220100063



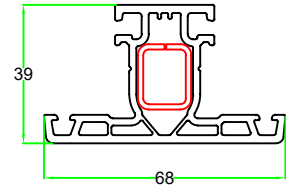
Sliding Sash
220100024



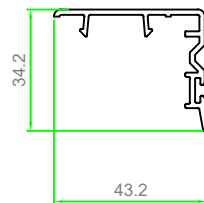
Sliding Door Sash
220100020



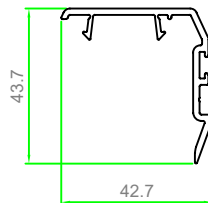
Sliding Mullion
220100071



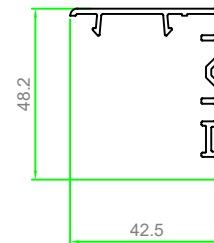
Window Interlock
220100062



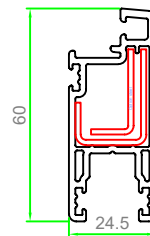
Window Interlock
220100026



Door Interlock
220100061



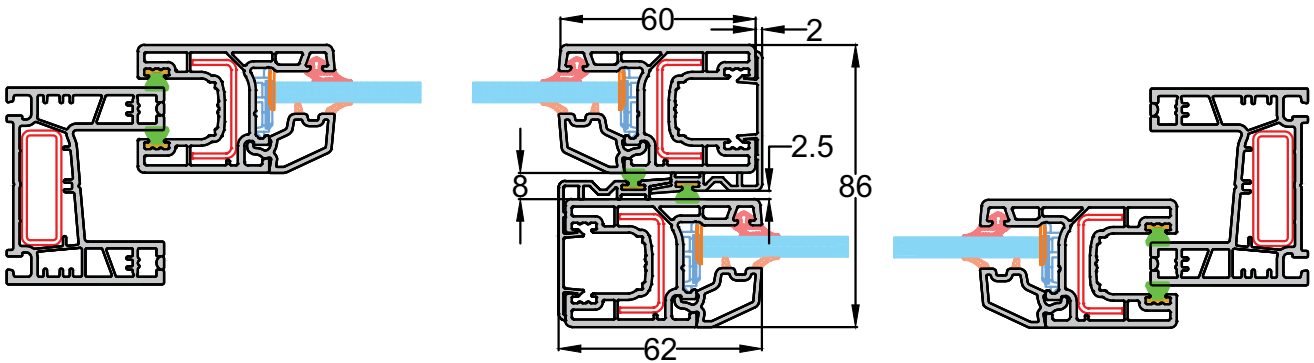
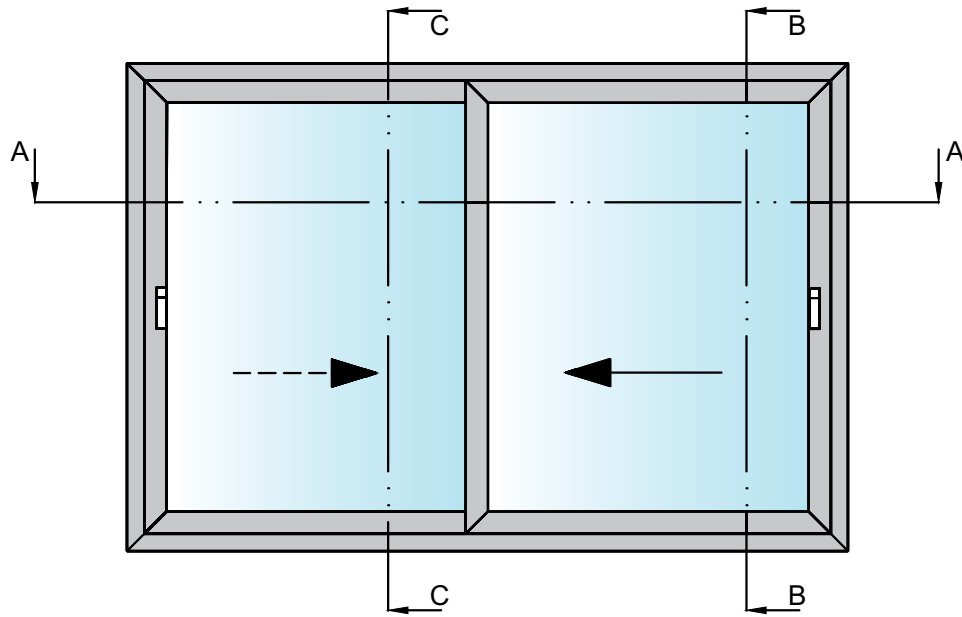
Mosquito Sash Slider
220100017





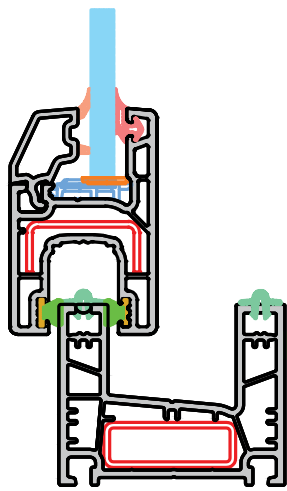
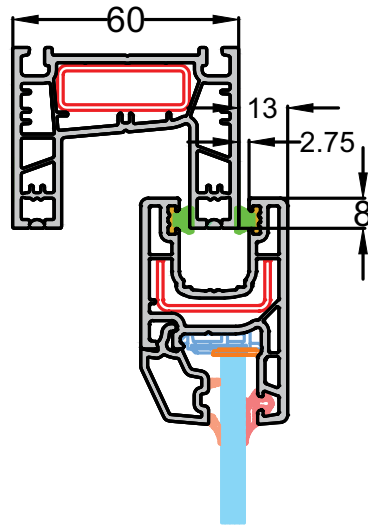
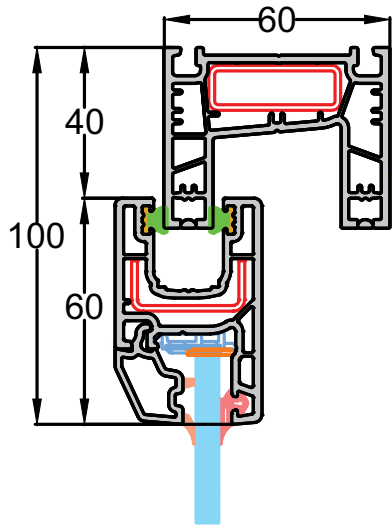
SECTION DRAWINGS - SLIDING

2 Track Sliding Window 60 mm Sash

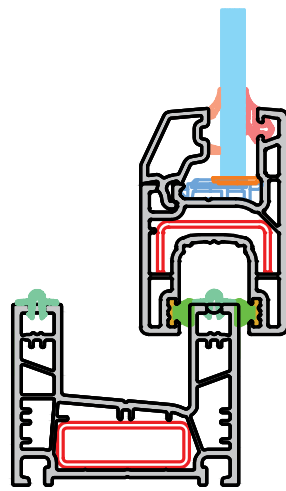


SEC A-A





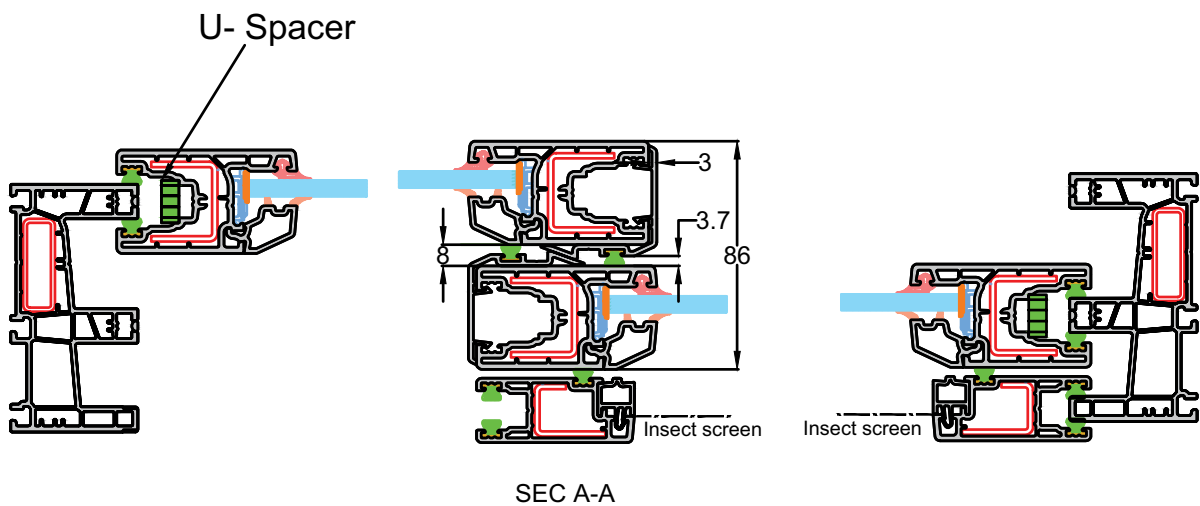
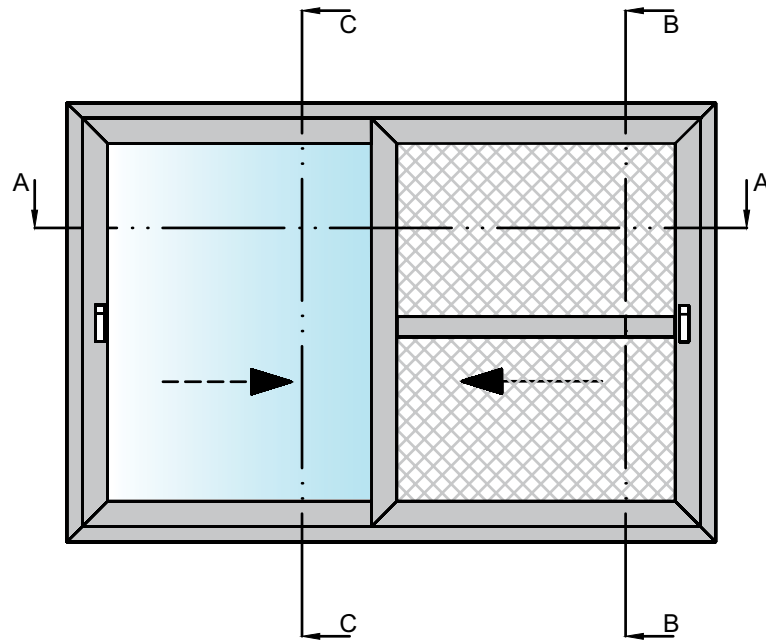
SEC B-B

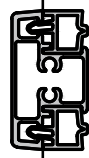
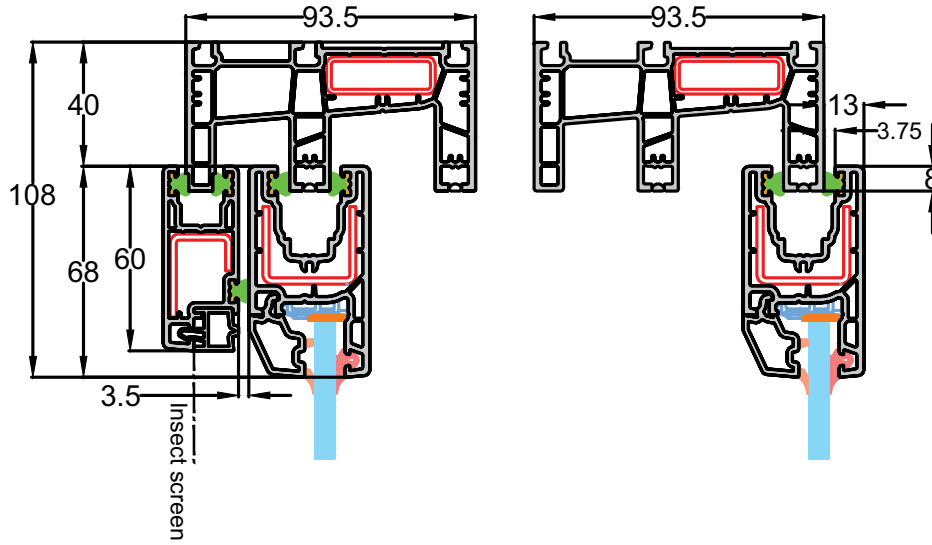


SEC C-C

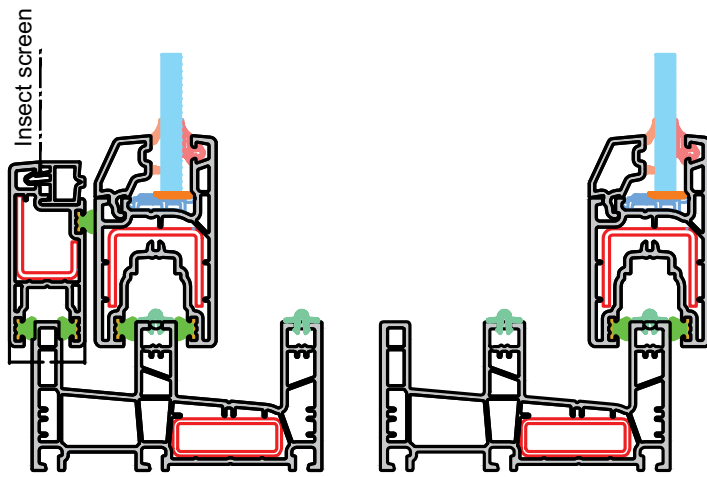


2.5 Track Sliding Window 68 mm Sash





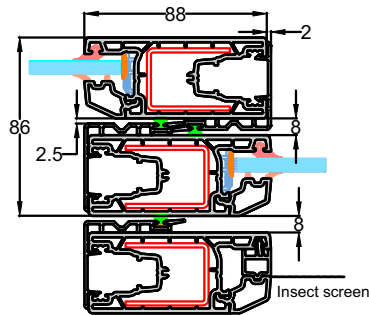
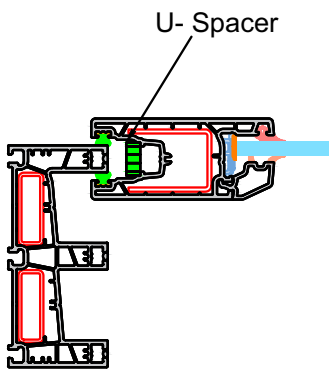
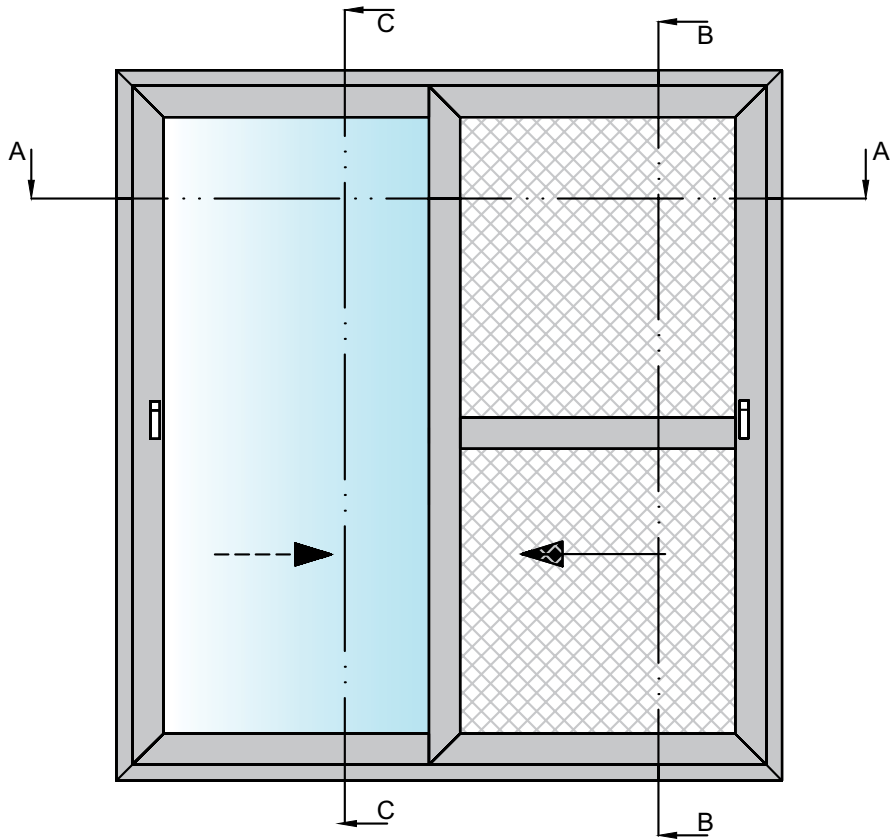
Aluminium Mesh Mullion



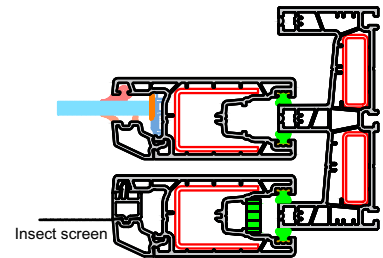
SEC B-B

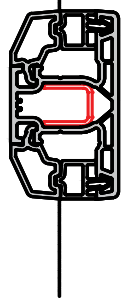
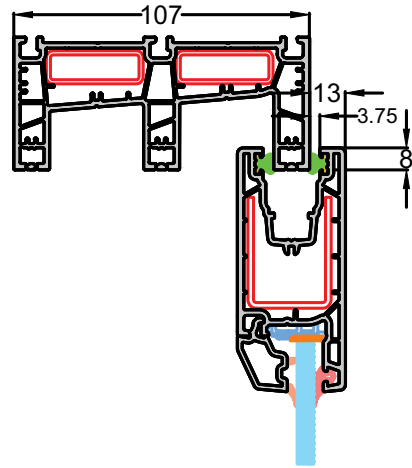
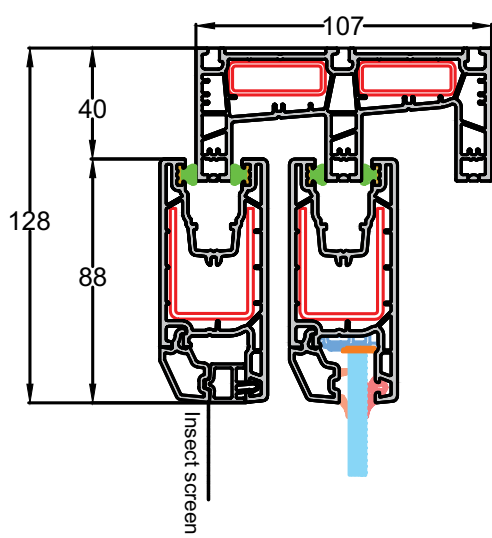
SEC C-C

3 Track Sliding Door With T Mullion

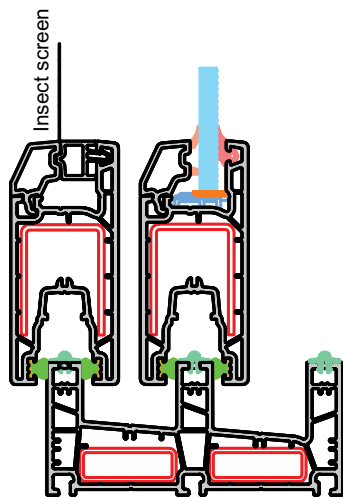


SEC A-A

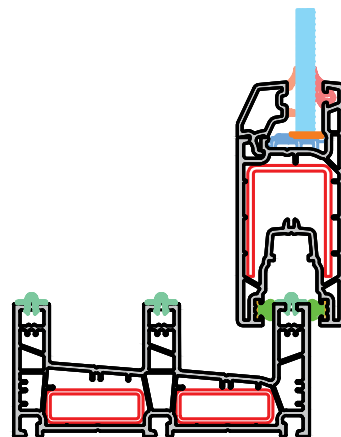




uPVC Sliding Mullion / Mid-Rail

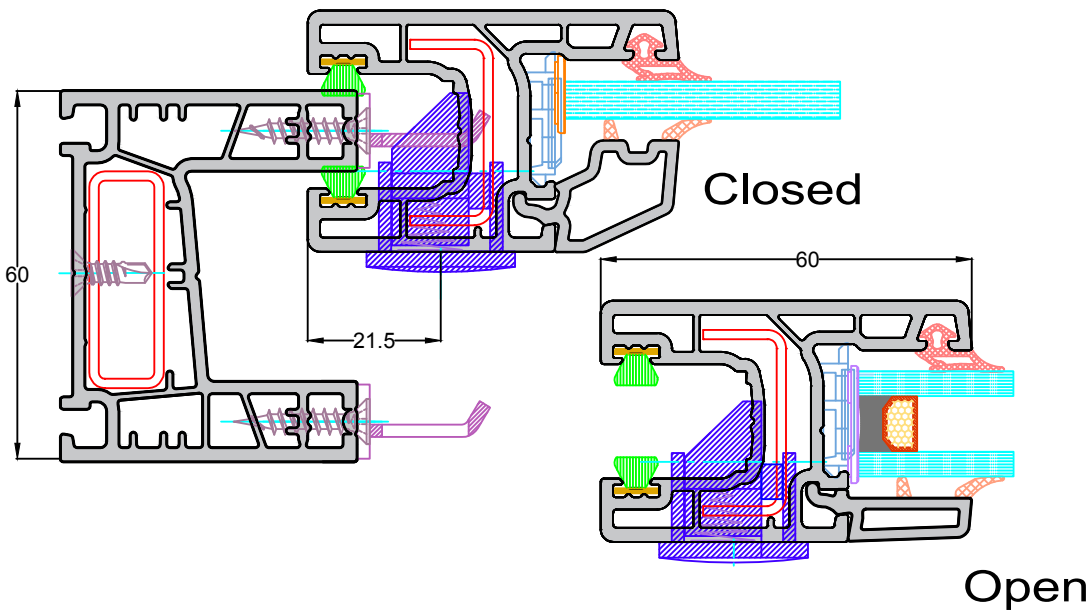


SEC B-B



SEC C-C

60 mm Sash Locking System



Touch lock with striker

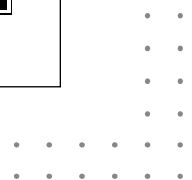


Sash Spacer

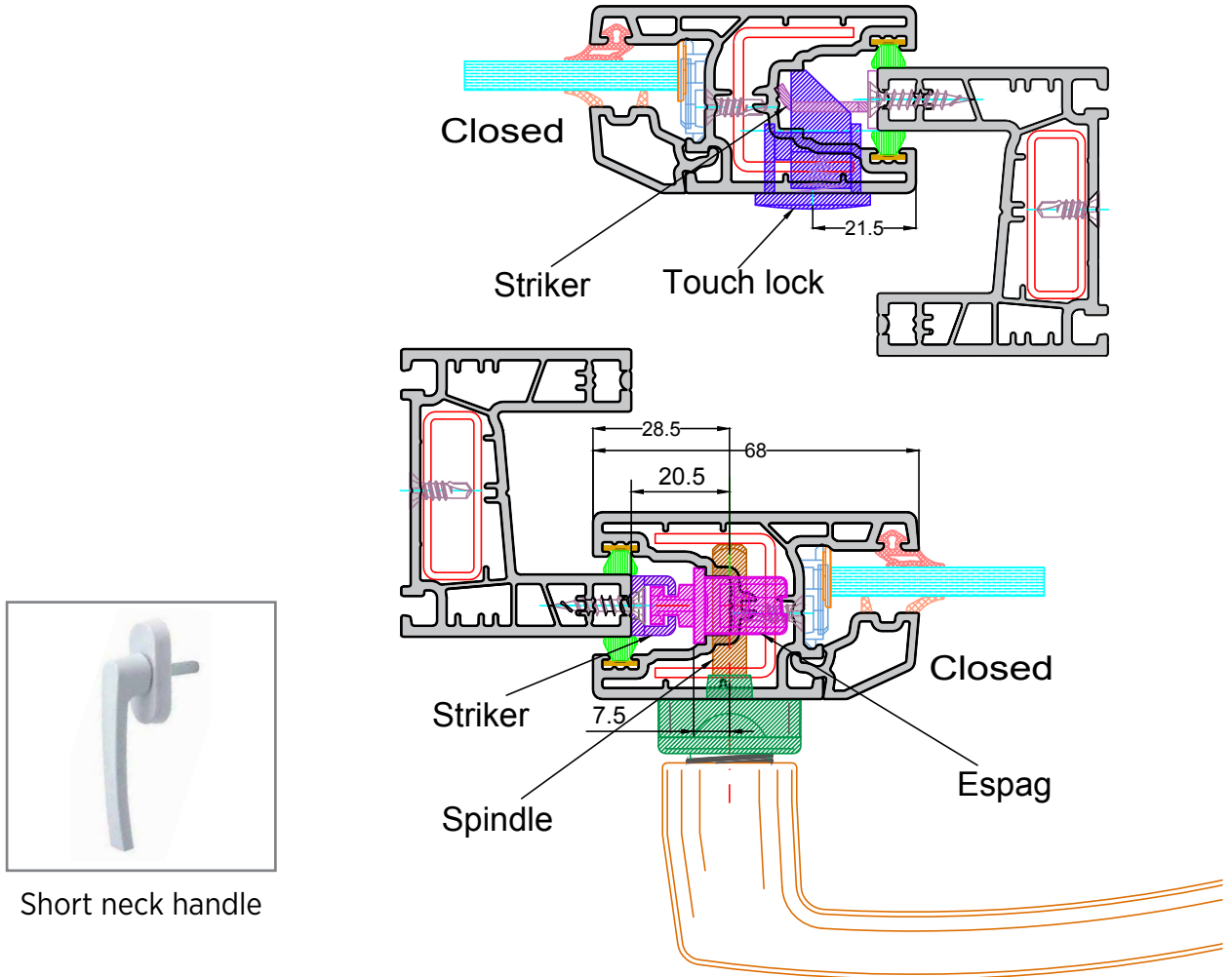
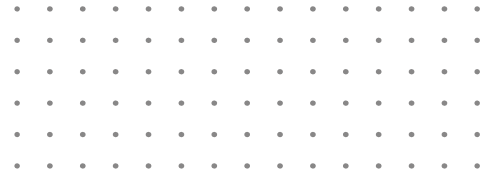
Sudhakar Recommendation:

- 60mm sash- Single point locking system (touch lock)
- Use Sash Spacer for smooth locking

Slidnig Frame 2 Track	220100018	
Sliding Window Sash - 60mm	220100063	
Glass Bead - 18mm	220100012	
Glass Bead - 9.5mm	220100013	



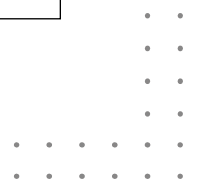
68 mm Sash Locking System



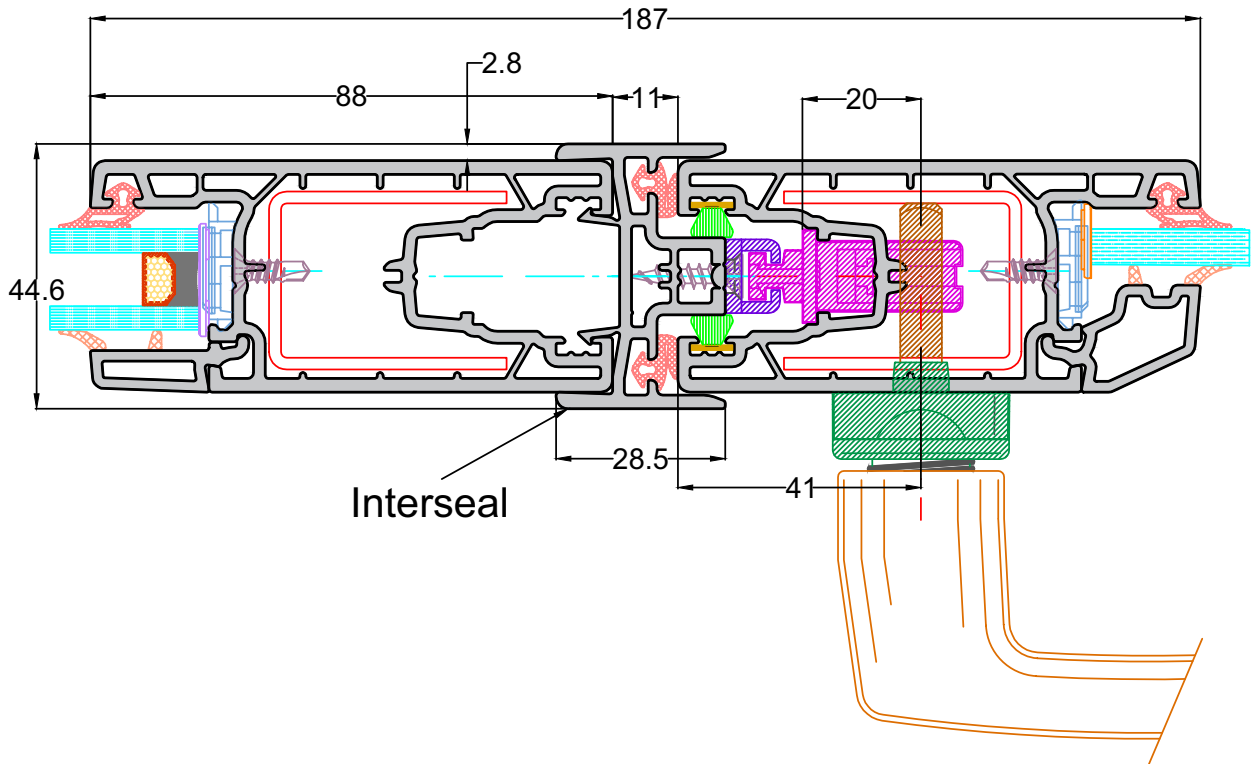
Sudhakar Recommendation:

- 68mm sash- both single point locking (touch lock)
- And multi-point locking system

Slidnig Frame 2 Track	220100018	
Sliding Window Sash - 68mm	220100024	
Glass Bead - 18mm	220100012	




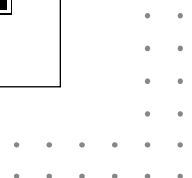
88 mm Sash Locking System



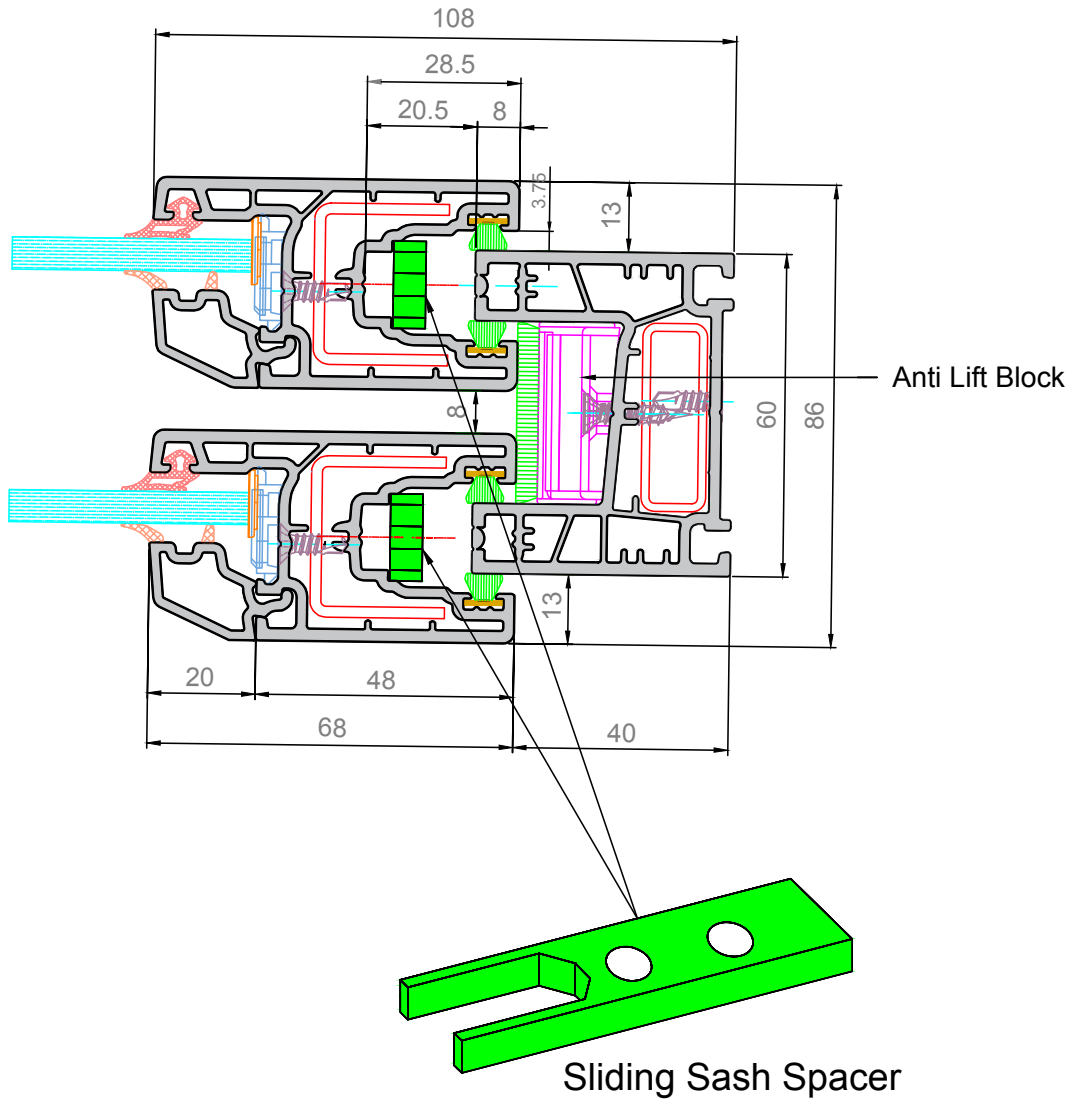
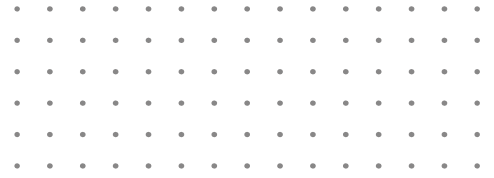
Sudhakar Recommendation:

- 88mm sash- only multi-point locking system

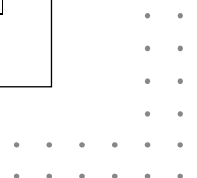
Sliding Door Sash - 88mm	220100020	
Interseal - Middle Coupler	220100025	
Glass Bead - 18mm	220100012	
Glass Bead - 9.5mm	220100013	



Sliding Sash Spacer



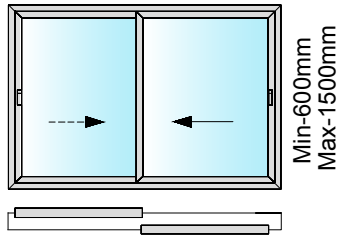
Slidnig Frame 2 Track	220100018	
Sliding Window Sash - 68mm	220100024	
Glass Bead - 18mm	220100012	
Sliding Sash Spacer	220100066	



Limitations for Sliding Windows

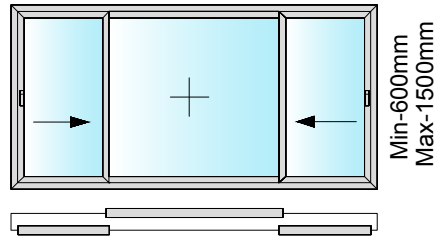


2 Track With 2 Panel



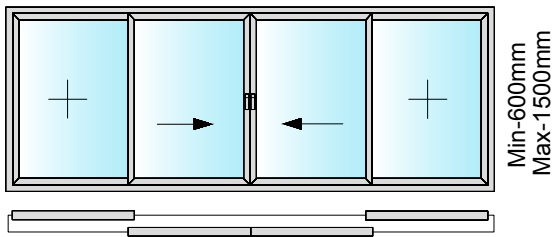
Min-700mm
Max-1900mm

2 Track With 3 Panel



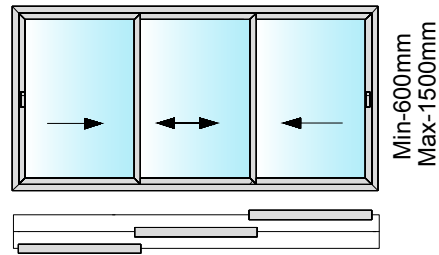
Min-1400mm
Max-4000mm

2 Track With 4 Panel



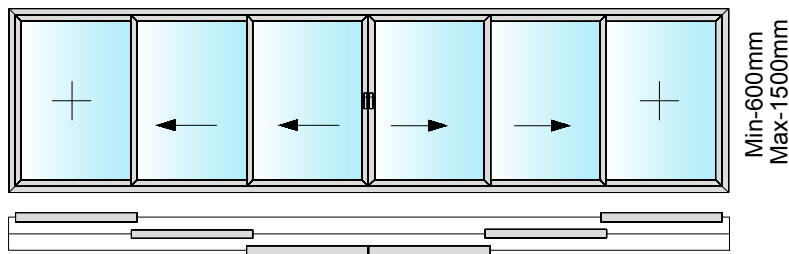
Min-1400mm
Max-4000mm

3 Track With 3 Panel



Min-1100mm
Max-3200mm

3 Track With 6 Panel



Min-2100mm
Max-5800mm

Note:

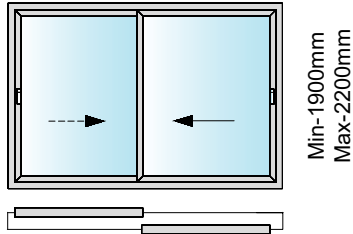
- Windows above 1501mm in height will fall under door specifications
- Sizes mentioned are end to end with 1.5mm reinforcement for windows
- The above mentioned limitations can be met with supportive reinforcement design, thickness and hardware load bearing capacity
- Mesh options are available with supporting mesh mullion for the above mentioned limitations
- For more details about reinforcements specifications, please refer to reinforcements section.



Limitations for Sliding Doors

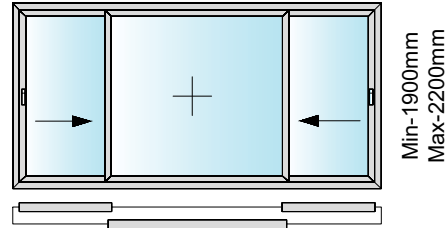


2 Track with 2 Panel



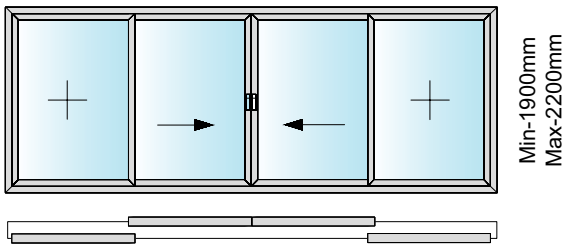
Min-1200mm
Max-2400mm

2 Track with 3 Panel



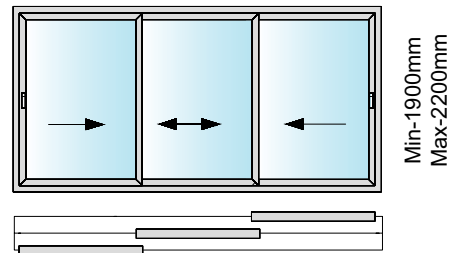
Min-2400mm
Max-4800mm

2 Track with 4 Panel



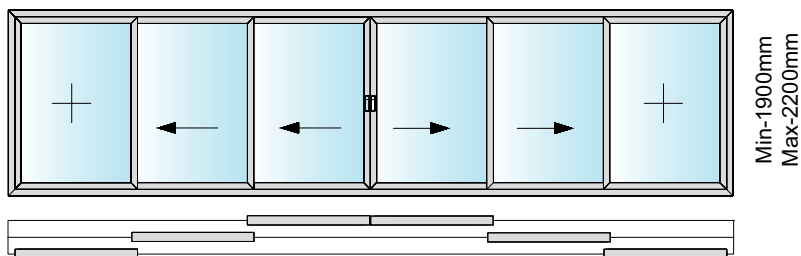
Min-2400mm
Max-4800mm

3 Track with 3 Panel



Min-1800mm
Max-3600mm

3 Track with 6 Panel

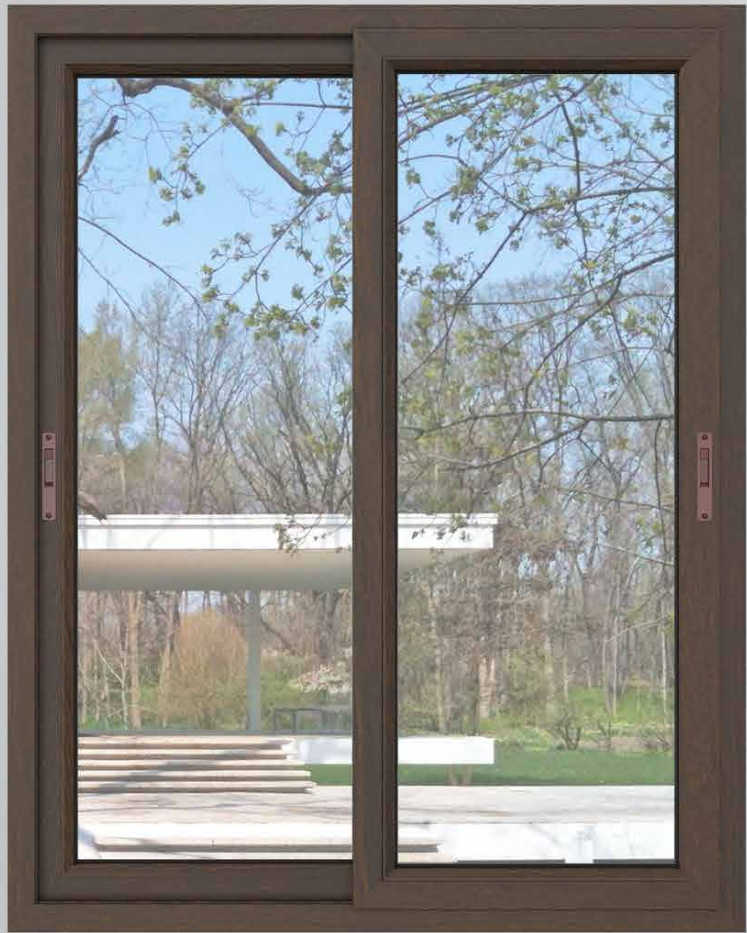


Min-3200mm
Max-5800mm

Note:

- Sizes mentioned are end to end with 2mm reinforcement for doors
- The above mentioned limitations can be met with supportive reinforcement design, thickness and hardware load bearing capacity
- Mesh options are available with supporting mesh mullion for the above mentioned limitations
- For more details about reinforcements specifications, please refer to reinforcements section.

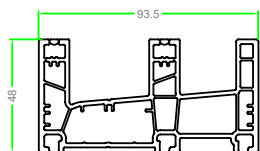






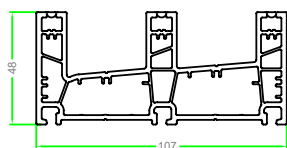
REINFORCEMENTS - SLIDING

Sliding Frame 2.5 Track (220100022)



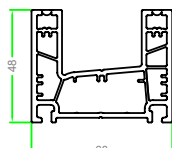
100015001	100020001	100023007	100015008	100020008	100023008
$I_x = 0.2941 \text{ cm}^4$ $I_y = 1.6971 \text{ cm}^4$	$I_x = 0.3547 \text{ cm}^4$ $I_y = 2.1520 \text{ cm}^4$	$I_x = 0.3839 \text{ cm}^4$ $I_y = 2.4015 \text{ cm}^4$	$I_x = 0.0991 \text{ cm}^4$ $I_y = 1.3539 \text{ cm}^4$	$I_x = 0.1253 \text{ cm}^4$ $I_y = 1.7299 \text{ cm}^4$	$I_x = 0.1397 \text{ cm}^4$ $I_y = 1.9401 \text{ cm}^4$
1.5 mm	2 mm	2.3 mm	1.5 mm	2 mm	2.3 mm

Sliding Frame 3 Track (220100023)



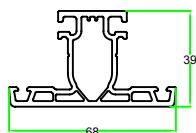
100015001	100020001	100023007	100015008	100020008	100023008
$I_x = 0.2941 \text{ cm}^4$ $I_y = 1.6971 \text{ cm}^4$	$I_x = 0.3547 \text{ cm}^4$ $I_y = 2.1520 \text{ cm}^4$	$I_x = 0.3839 \text{ cm}^4$ $I_y = 2.4015 \text{ cm}^4$	$I_x = 0.0991 \text{ cm}^4$ $I_y = 1.3539 \text{ cm}^4$	$I_x = 0.1253 \text{ cm}^4$ $I_y = 1.7299 \text{ cm}^4$	$I_x = 0.1397 \text{ cm}^4$ $I_y = 1.9401 \text{ cm}^4$
1.5 mm	2 mm	2.3 mm	1.5 mm	2 mm	2.3 mm

Sliding Frame 2 Track (220100018)



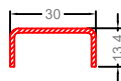
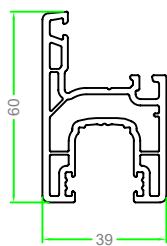
100015001	100020001	100023007	100015008	100020008	100023008
$I_x = 0.2941 \text{ cm}^4$ $I_y = 1.6971 \text{ cm}^4$	$I_x = 0.3547 \text{ cm}^4$ $I_y = 2.1520 \text{ cm}^4$	$I_x = 0.3839 \text{ cm}^4$ $I_y = 2.4015 \text{ cm}^4$	$I_x = 0.0991 \text{ cm}^4$ $I_y = 1.3539 \text{ cm}^4$	$I_x = 0.1253 \text{ cm}^4$ $I_y = 1.7299 \text{ cm}^4$	$I_x = 0.1397 \text{ cm}^4$ $I_y = 1.9401 \text{ cm}^4$
1.5 mm	2 mm	2.3 mm	1.5 mm	2 mm	2.3 mm

Sliding Mullion (220100064)



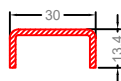
100015009	100020009	100023009	100015010	100020010	100023010
$I_x = 0.3624 \text{ cm}^4$ $I_y = 0.2658 \text{ cm}^4$	$I_x = 0.4478 \text{ cm}^4$ $I_y = 0.3238 \text{ cm}^4$	$I_x = 0.4910 \text{ cm}^4$ $I_y = 0.3529 \text{ cm}^4$	$I_x = 0.2044 \text{ cm}^4$ $I_y = 0.2454 \text{ cm}^4$	$I_x = 0.2609 \text{ cm}^4$ $I_y = 0.3015 \text{ cm}^4$	$I_x = 0.2924 \text{ cm}^4$ $I_y = 0.3302 \text{ cm}^4$
1.5 mm	2 mm	2.3 mm	1.5 mm	2 mm	2.3 mm

Sliding Sash (220100063)



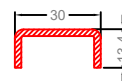
100015011
 $I_x = 0.1288 \text{ cm}^4$
 $I_y = 1.0010 \text{ cm}^4$

1.5 mm



100020011
 $I_x = 0.1635 \text{ cm}^4$
 $I_y = 1.2728 \text{ cm}^4$

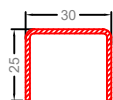
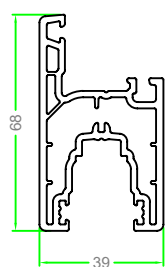
2 mm



100023011
 $I_x = 0.1827 \text{ cm}^4$
 $I_y = 1.4228 \text{ cm}^4$

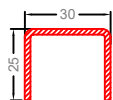
2.3 mm

Sliding Sash (220100024)



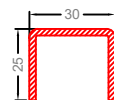
100015005
 $I_x = 0.7346 \text{ cm}^4$
 $I_y = 1.7063 \text{ cm}^4$

1.5 mm



100020005
 $I_x = 0.9520 \text{ cm}^4$
 $I_y = 2.1838 \text{ cm}^4$

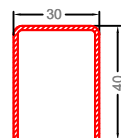
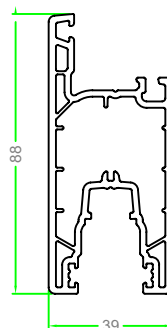
2 mm



100023005
 $I_x = 1.0759 \text{ cm}^4$
 $I_y = 2.4487 \text{ cm}^4$

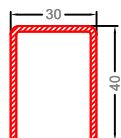
2.3 mm

Sliding Door Sash (220100020)



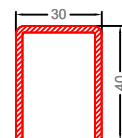
100015012
 $I_x = 2.6559 \text{ cm}^4$
 $I_y = 2.6206 \text{ cm}^4$

1.5 mm



100020012
 $I_x = 3.4747 \text{ cm}^4$
 $I_y = 3.3618 \text{ cm}^4$

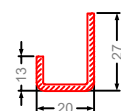
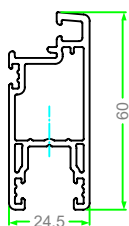
2 mm



100023012
 $I_x = 3.9486 \text{ cm}^4$
 $I_y = 3.7751 \text{ cm}^4$

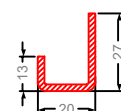
2.3 mm

Mosquito Sash Sliding (220100017)



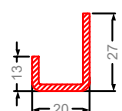
100015013
 $I_x = 0.7311 \text{ cm}^4$
 $I_y = 0.2640 \text{ cm}^4$

1.5 mm



100020013
 $I_x = 0.9337 \text{ cm}^4$
 $I_y = 0.3351 \text{ cm}^4$

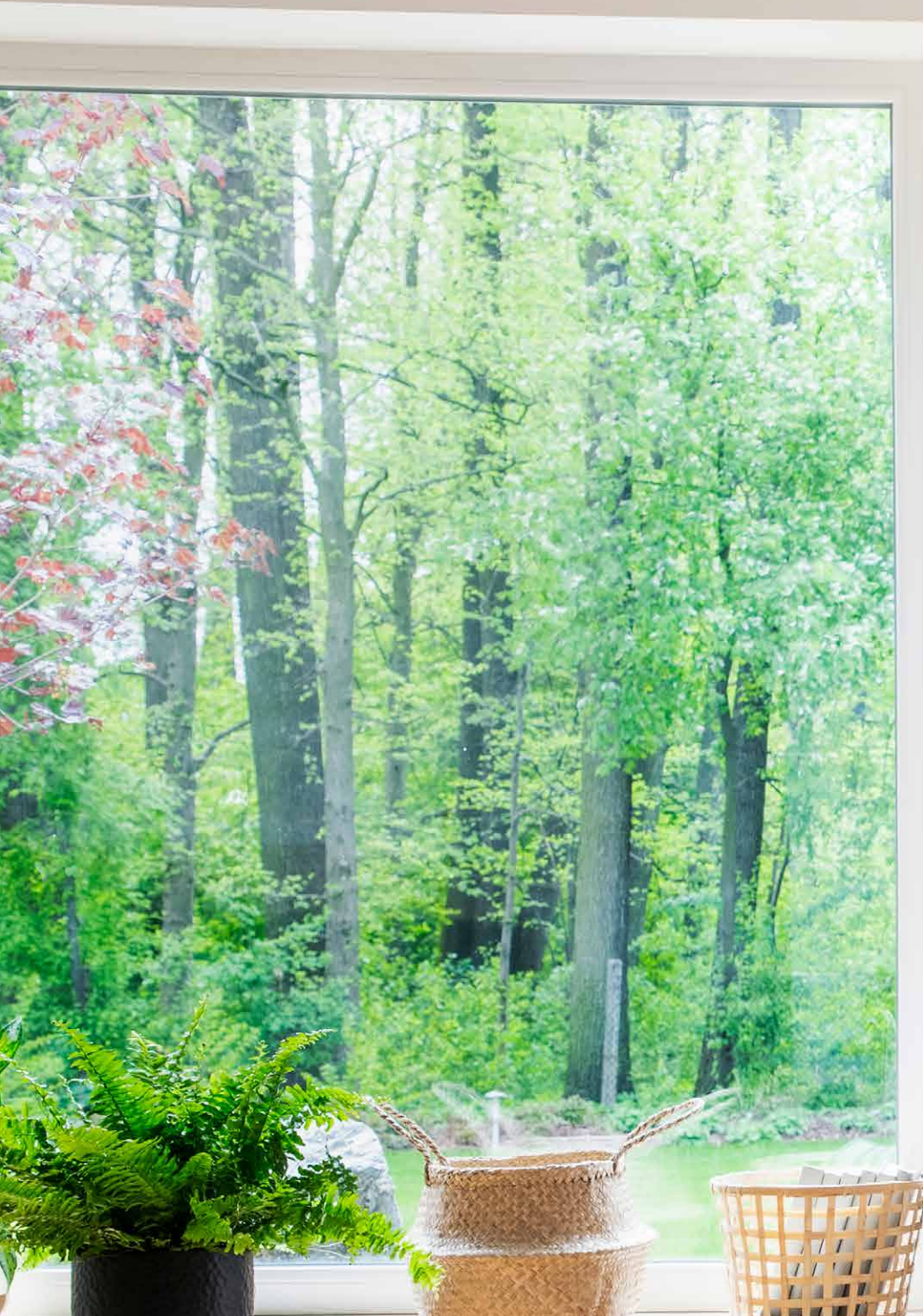
2 mm



100023013
 $I_x = 1.0458 \text{ cm}^4$
 $I_y = 0.3738 \text{ cm}^4$

2.3 mm







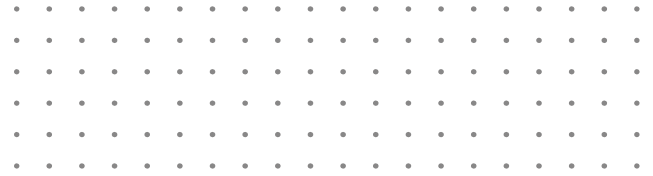
AUXILIARY SYSTEMS



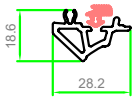


PROFILE DRAWINGS - AUXILIARY

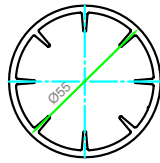
Profile Drawings Auxiliary System



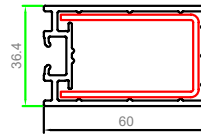
Bay & Bow Adapter
220100015



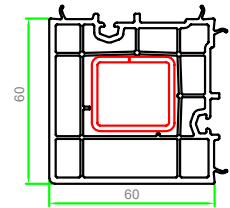
Bay & Bow Pole
220100014



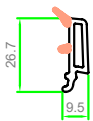
Static Bar
220122210



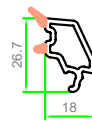
90° Pole
220100009



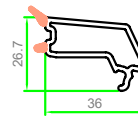
Glass Bead 9.5mm
220100013



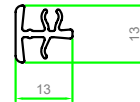
Glass Bead 18MM
220100012



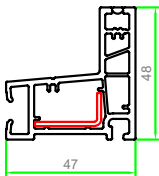
Glass Bead 36MM
220100011



H-Coupling
220100016



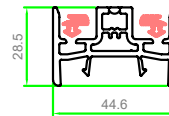
Sliding Frame Clip
220100019



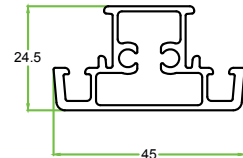
Mosquito Insert
220100021



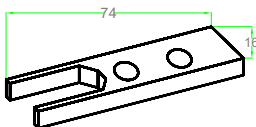
Interseal
220100025



Aluminum Mesh Mullion
220100176



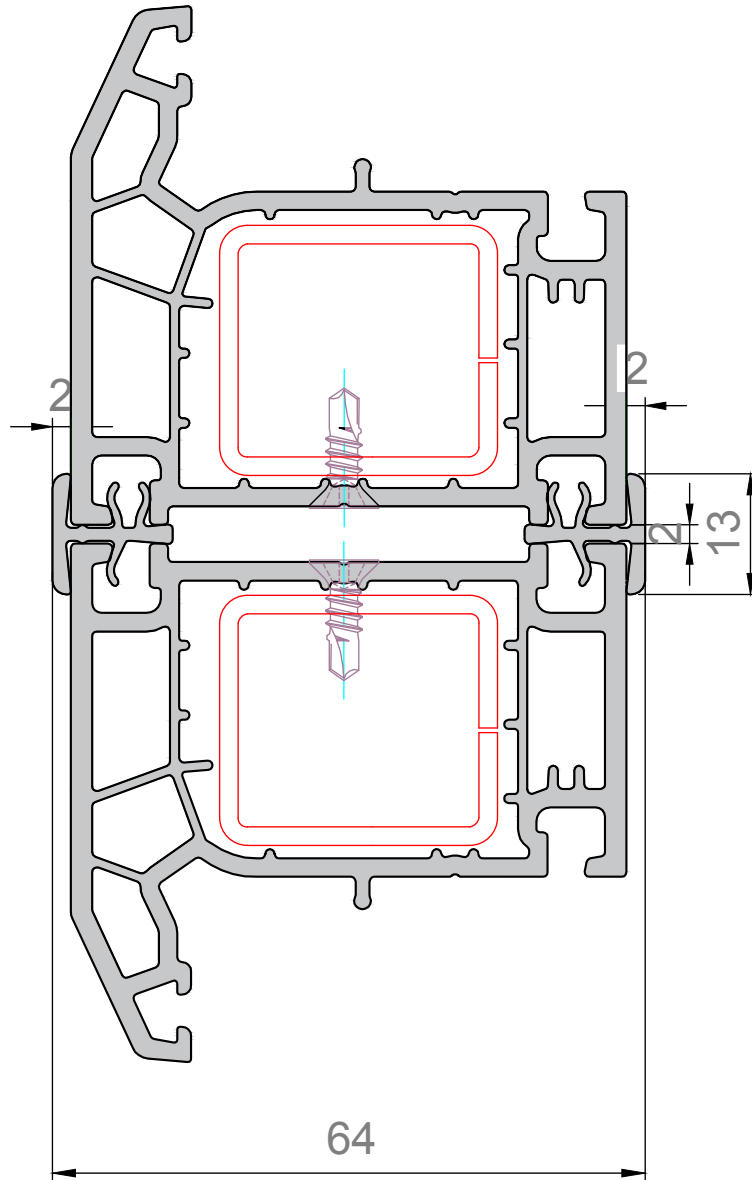
Sliding Sash Spacer
220100066



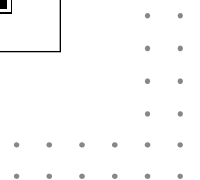


SECTION DRAWINGS - AUXILIARY

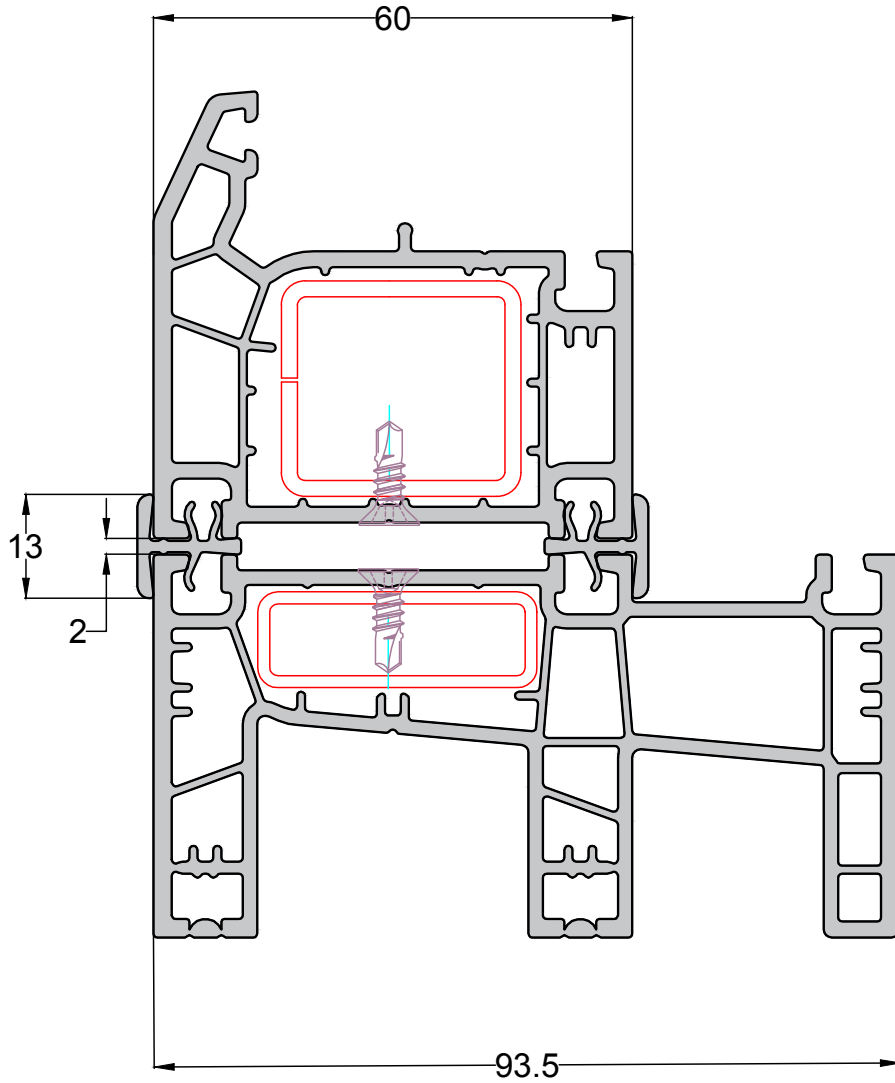
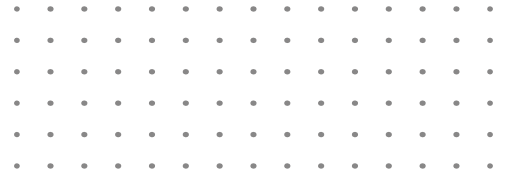
Casement Frame with H-Coupling



Casement Frame	220100001	
H-Coupling	220100016	



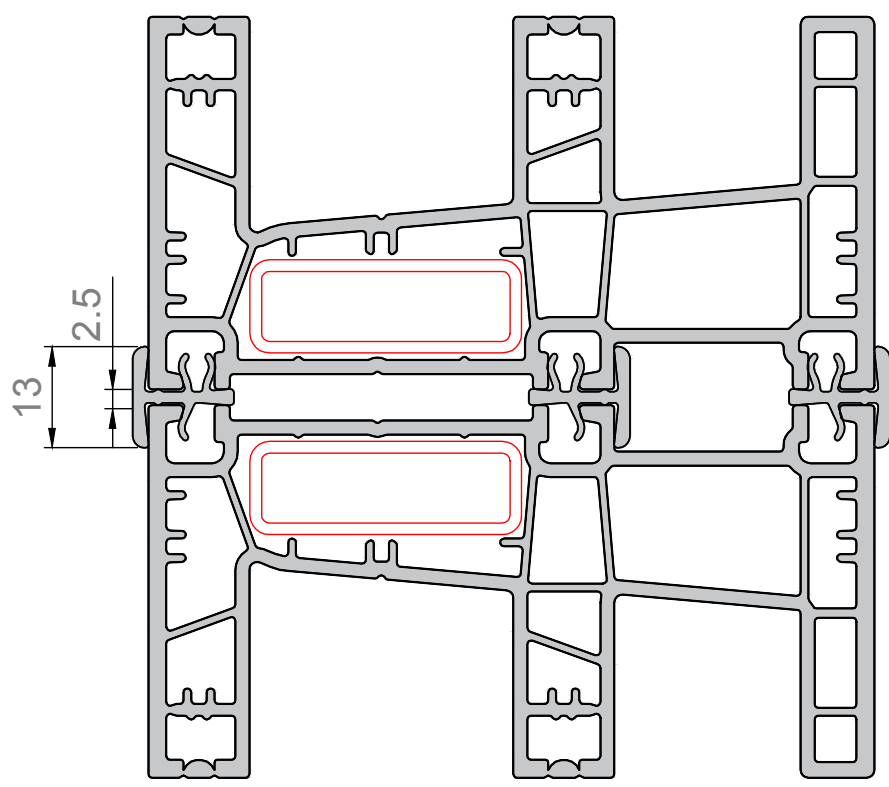
Casement Frame & 2.5 Track Sliding Frame with H-Coupling




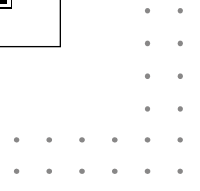
Casement Frame	220100001	
Sliding Frame 2.5 Track	220100022	
H-Coupling	220100016	



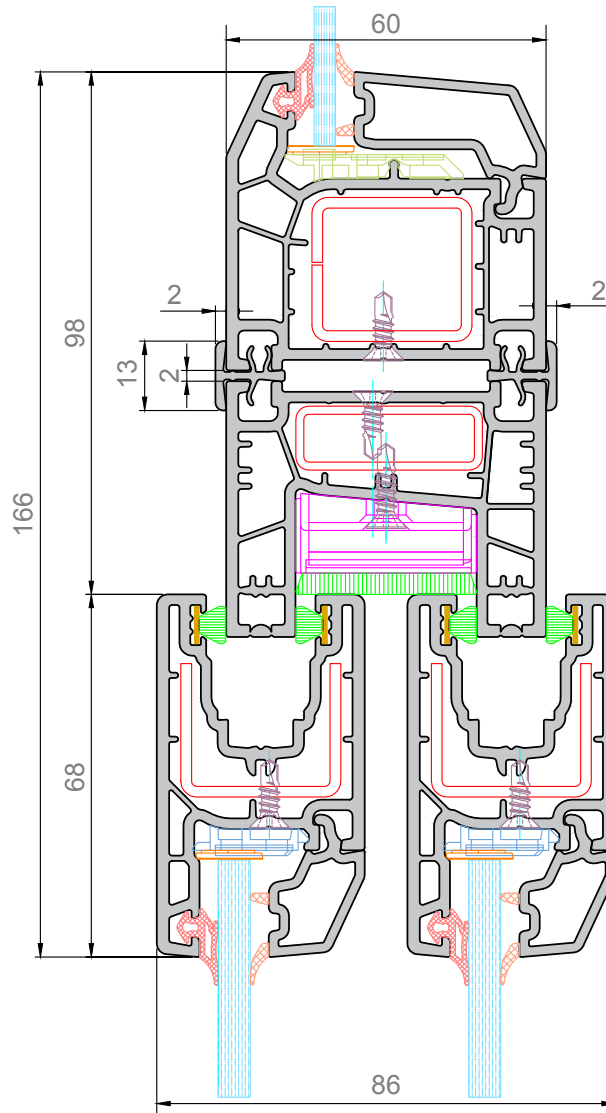
2.5 Track Sliding Frame With H-Coupling




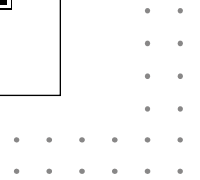
Sliding Frame 2.5 Track	220100022	
H-Coupling	220100016	



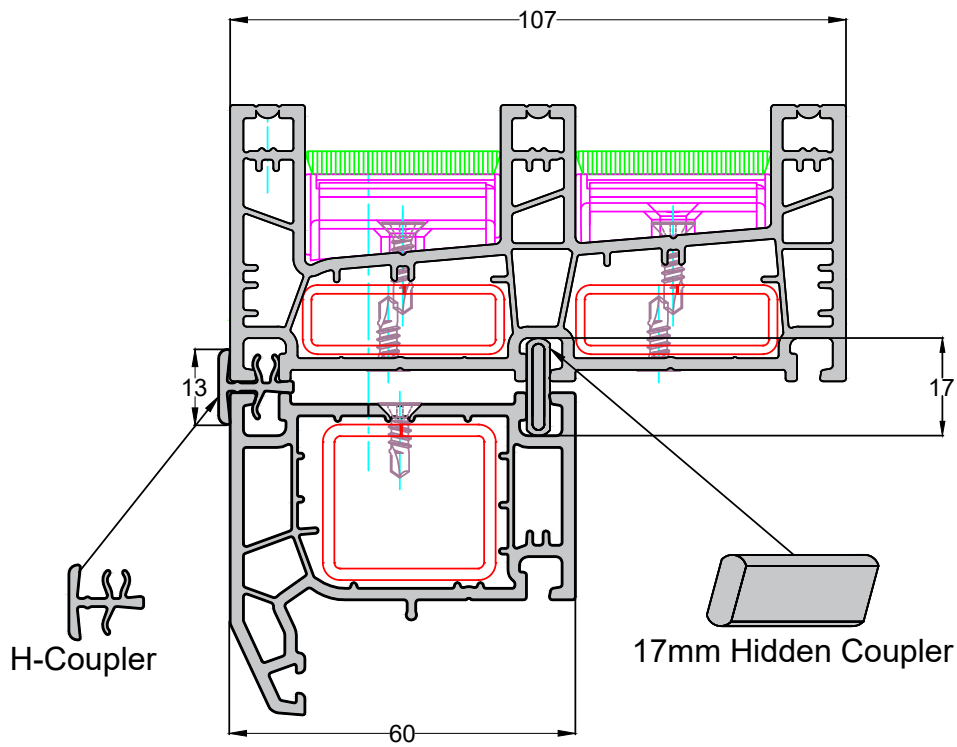
Casement & Sliding Frame With H-Coupling




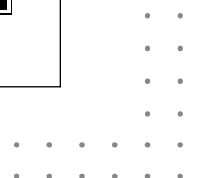
Casement Frame	220100001	
Slidnig Frame 2 Track	220100018	
Sliding Window Sash - 68mm	220100024	
H-Coupling	220100016	
Glass Bead - 18mm	220100012	
Glass Bead - 36mm	220100011	



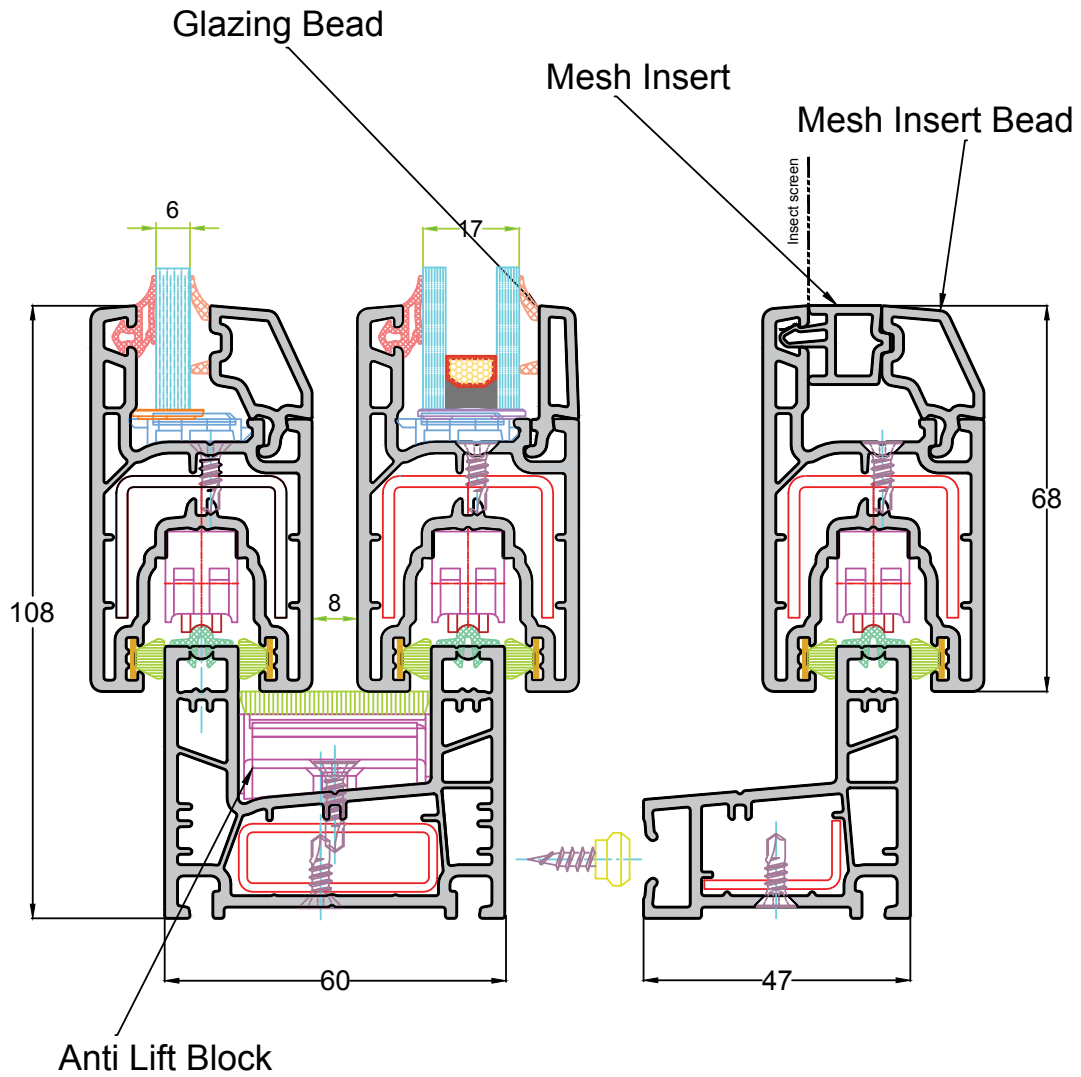
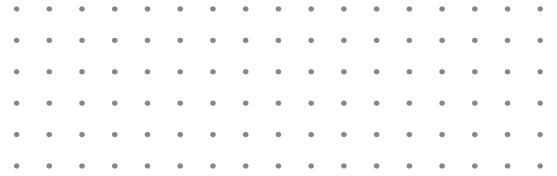
Casement & 3 Track Sliding Frame With H-Coupling




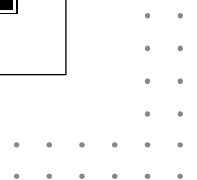
Sliding Frame 3 Track	220100023	
Casement Frame	220100001	
H-Coupling	220100016	
Hidden Coupler - PVC Strip	220100051	



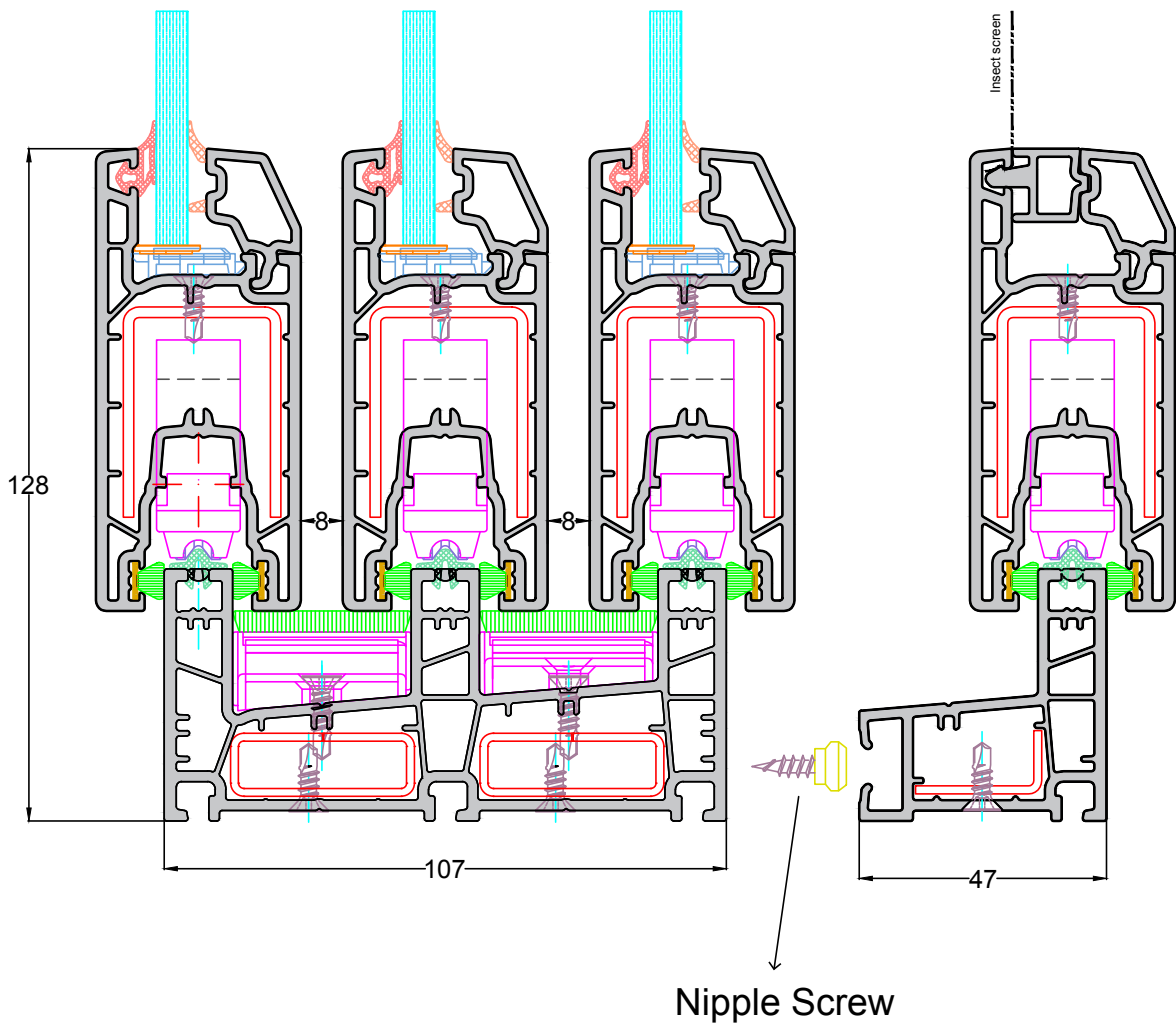
2 Track Sliding Frame With Additional Frame Clip



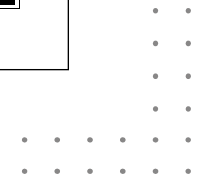
Slidnig frame 2 Track	220100018	
Sliding Window sash - 68mm	220100024	
Glass bead - 18mm	220100012	
Glass bead - 9.5mm	220100013	
Slidnig frame Clip - Additional Track	220100019	



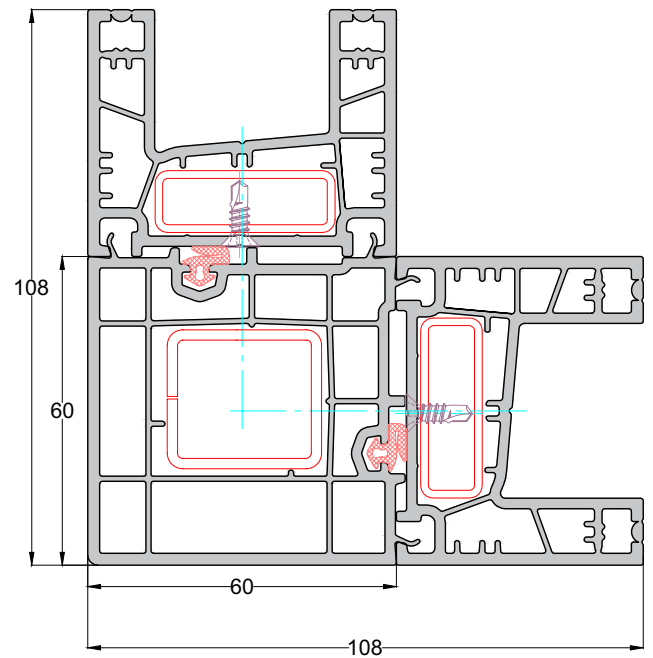
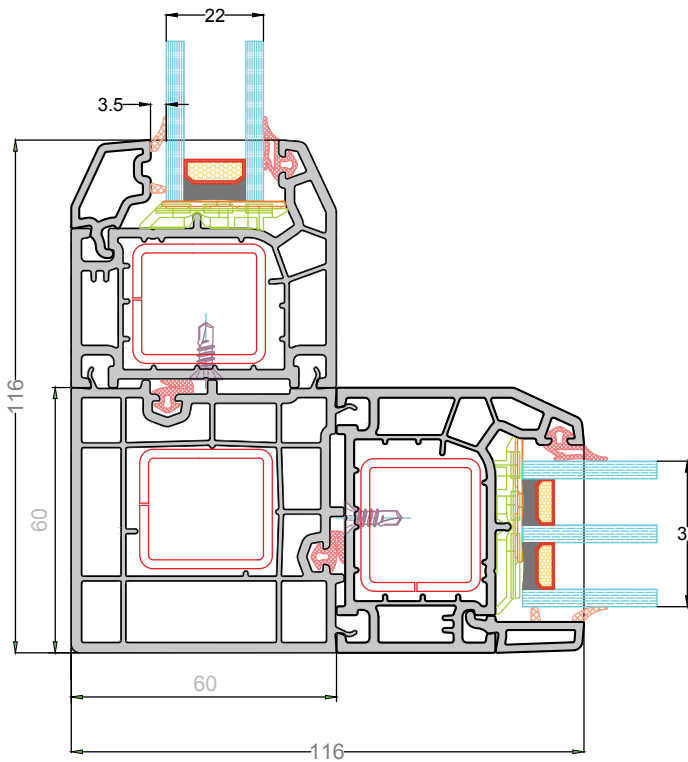
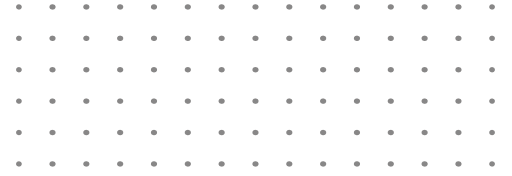
3 Track Sliding Frame With Additional Frame Clip



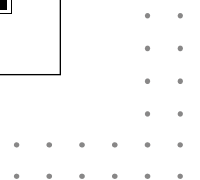
Slidnig frame 2 Track	220100018	
Sliding Window sash - 68mm	220100024	
Glass bead - 18mm	220100012	
Glass bead - 9.5mm	220100013	
Slidnig frame Clip - Additional Track	220100019	



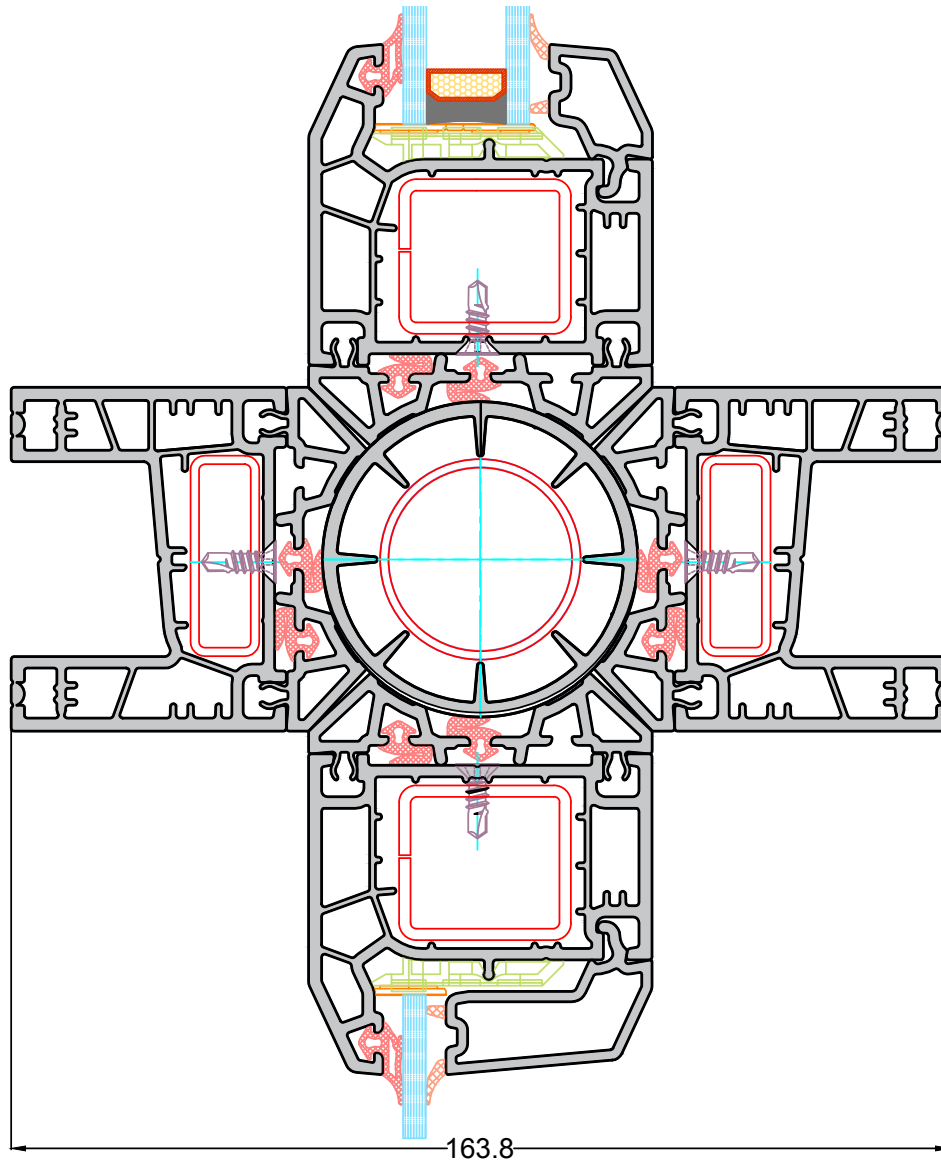
90 Degree Baypole



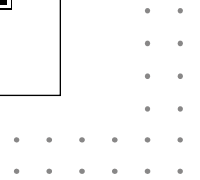
Casement Frame	220100001	
Slidnig Frame 2 Track	220100018	
90 Degree Pole	220100009	
Glass Bead - 18mm	220100012	
Glass Bead - 9.5mm	220100013	



Round Baypole



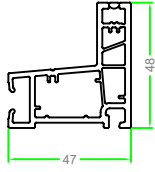
Casement Frame	220100001	
Slidnig Frame 2 Track	220100018	
Round Bay & Bow Pole	220100014	
Bay & Bow Adapter	220100015	
Glass Bead - 18mm	220100012	
Glass Bead - 36mm	220100011	





REINFORCEMENTS - AUXILIARY

Sliding Frame Clip (220100019)



100015014
 $I_x = 0.0327 \text{ cm}^4$
 $I_y = 0.3252 \text{ cm}^4$

1.5 mm



100020014
 $I_x = 0.0423 \text{ cm}^4$
 $I_y = 0.4189 \text{ cm}^4$

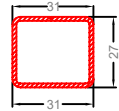
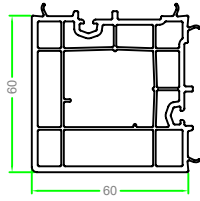
2 mm



100023014
 $I_x = 0.0493 \text{ cm}^4$
 $I_y = 0.4719 \text{ cm}^4$

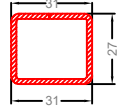
2.3 mm

90° Pole 60 Series (220100009)



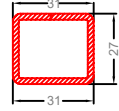
100015002
 $I_x = 1.7526 \text{ cm}^4$
 $I_y = 2.1793 \text{ cm}^4$

1.5 mm



100020002
 $I_x = 2.2235 \text{ cm}^4$
 $I_y = 2.7762 \text{ cm}^4$

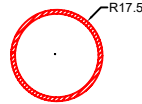
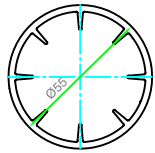
2 mm



100023002
 $I_x = 2.4815 \text{ cm}^4$
 $I_y = 3.1061 \text{ cm}^4$

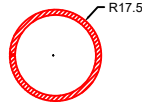
2.3 mm

Bay & Bow Pole (220100014)



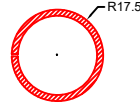
100015015
 $I_x = 2.2189 \text{ cm}^4$
 $I_y = 2.2022 \text{ cm}^4$

1.5 mm



100020015
 $I_x = 2.8328 \text{ cm}^4$
 $I_y = 2.7949 \text{ cm}^4$

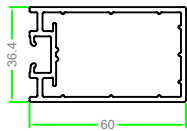
2 mm



100023015
 $I_x = 3.1738 \text{ cm}^4$
 $I_y = 3.1172 \text{ cm}^4$

2.3 mm

Static Bar (220122210)



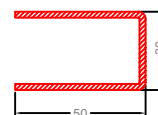
100015006
 $I_x = 3.2363 \text{ cm}^4$
 $I_y = 4.8962 \text{ cm}^4$

1.5 mm



100020006
 $I_x = 4.1525 \text{ cm}^4$
 $I_y = 6.4222 \text{ cm}^4$

2 mm



100023006
 $I_x = 4.6660 \text{ cm}^4$
 $I_y = 7.3134 \text{ cm}^4$

2.3 mm





Walnut



Golden Oak



Dark Oak



Jet Black

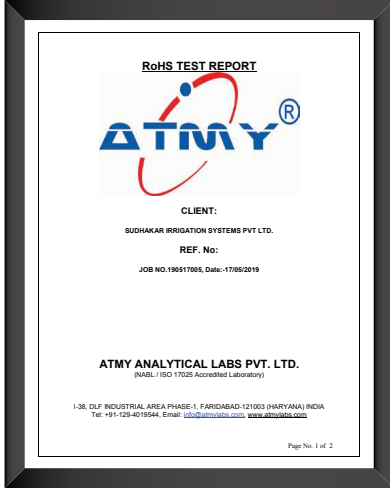


Mahogany

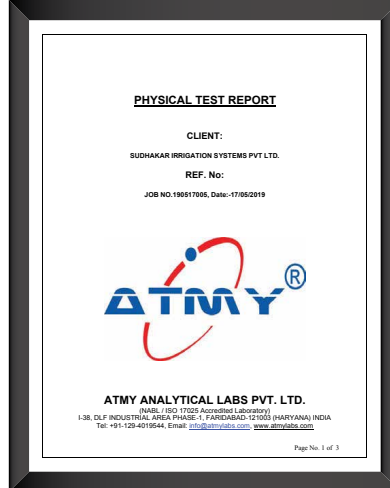
PREMIUM COLOURS

Certificates

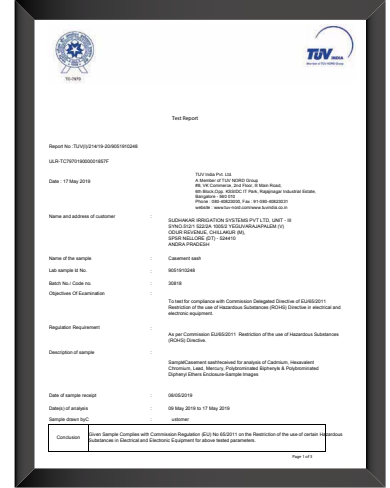
1. RoHS TEST REPORT



2. PHYSICAL TEST REPORT



3. SUDHAKAR IRRIGATION SYSTEMS RoHS REPORT-TUV



4. CIPET TEST RESULT



5. CIPET TEST RESULT PART 2



6. SUDHAKAR_TEST REPORT NO 135391_19-II



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Works

Survey No. 522/1, 522/2A & 1005/2,
Yeguvarajupalem, SPSR Nellore, A.P. - 524 410