

Max™ TRUTH AWNING & CASEMENT SASHES

Max Framing Systems: MTRUTH - 1

Truth Awning & Casement Sashes



FEATURES:

- Non-broken version of U-Max Truth Sash
- Robust size, deeper Sash depth for greater strength
- Internally glazed
- Flush faced awning Sash on stays
- Awning stays can take up to 130kg Sash weight
- Flush Faced casement Sash on stays & cam handles
- Casement Stays can take up to 45kg Sash weight
- Casement Sash can open 90° for cleaning
- Casement opens to 175mm to allow washing of glass
- Similar appearance to standard Sashes & can blend in projects
- Truth Awning & Casement Sashes on sill mounted winders
- Winders available as non-keyed or key operated
- Fully operational with flyscreens
- Stainless Steel available for marine applications
- Adaptable to 100mm Centre Glazed, 100 & 150mm Front Glazed & 150mm Offset framing systems
- Accepts 24mm up to 36mm IGUs

FABRICATION:

- Mitre cut
- Easy Screw Flute Joinery Fabrication

PRODUCT APPLICATIONS:

- Residential, apartments or commercial

LIMITATION:

- Hardware limits (weight & size)
- Structural limitations in apartments & commercial, limited by deflection.
- Please read the limitation notes on each Sash

PERFORMANCE

Tested Awning window of 1700 x 800 sash size achieved:

- +2000pa & -2000pa serviceability
- 3000pa ultimate
- 1000pa water penetration
- 0.6 litres air infiltration

HARDWARE SELECTION:

Selecting the correct hardware for application is determined by many factors that change on a project by project basis. Careful consideration needs to be given to opening type, size & weight, wind loads, location within the building, security, ease of operation, budget, serviceability & aesthetic requirements.

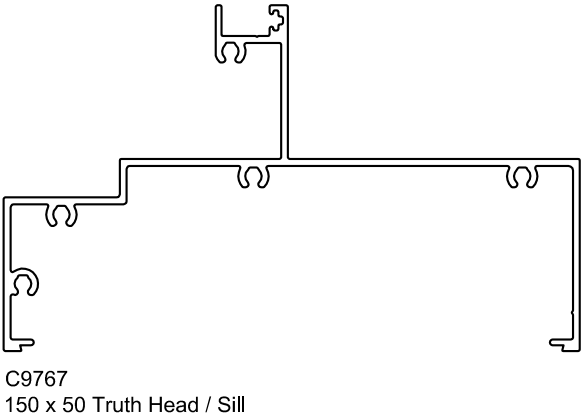
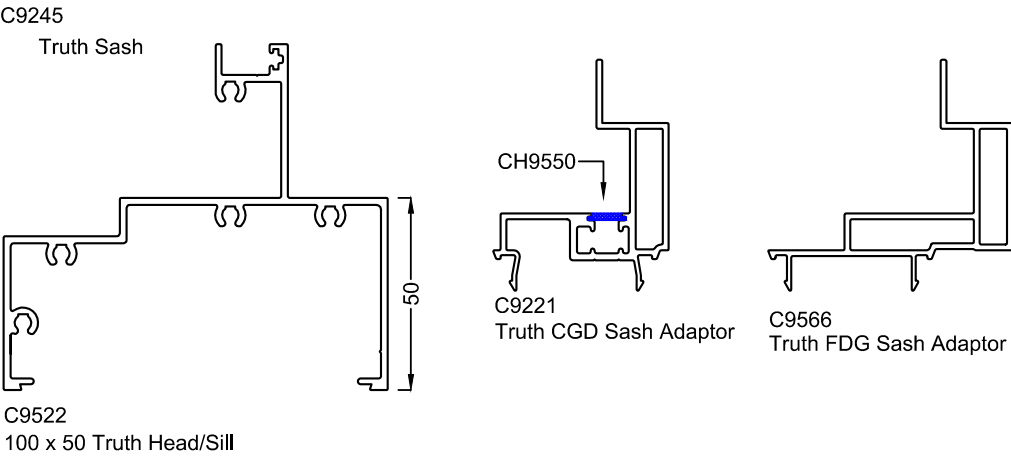
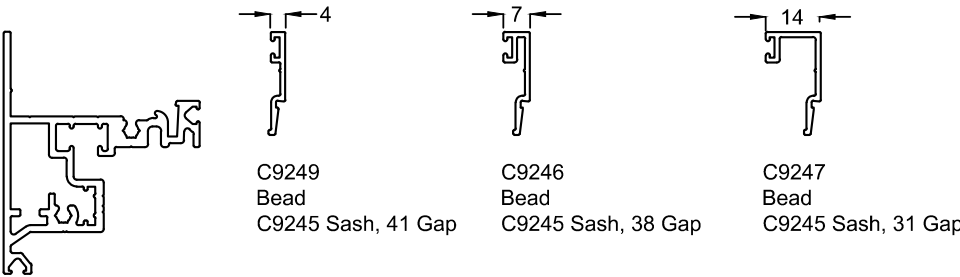
Typical hardware is shown throughout our catalogues to depict opening types & function. There are a range of sash types available to cover a variety of applications. Once the opening type has been selected, it is the responsibility of the fabricator to determine hardware suitability with the hardware manufacturer, ensuring their selection meets project requirements.



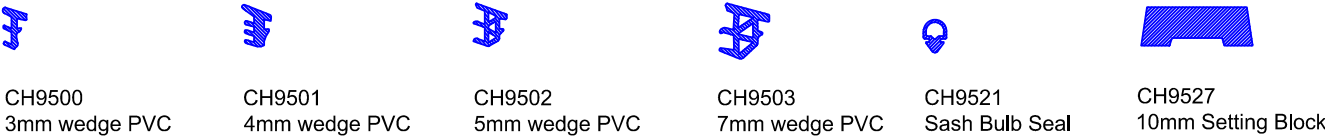
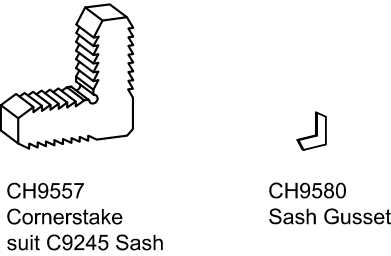
Max™ TRUTH AWNING & CASEMENT SASHES

Max Framing Systems: MTRUTH - 2

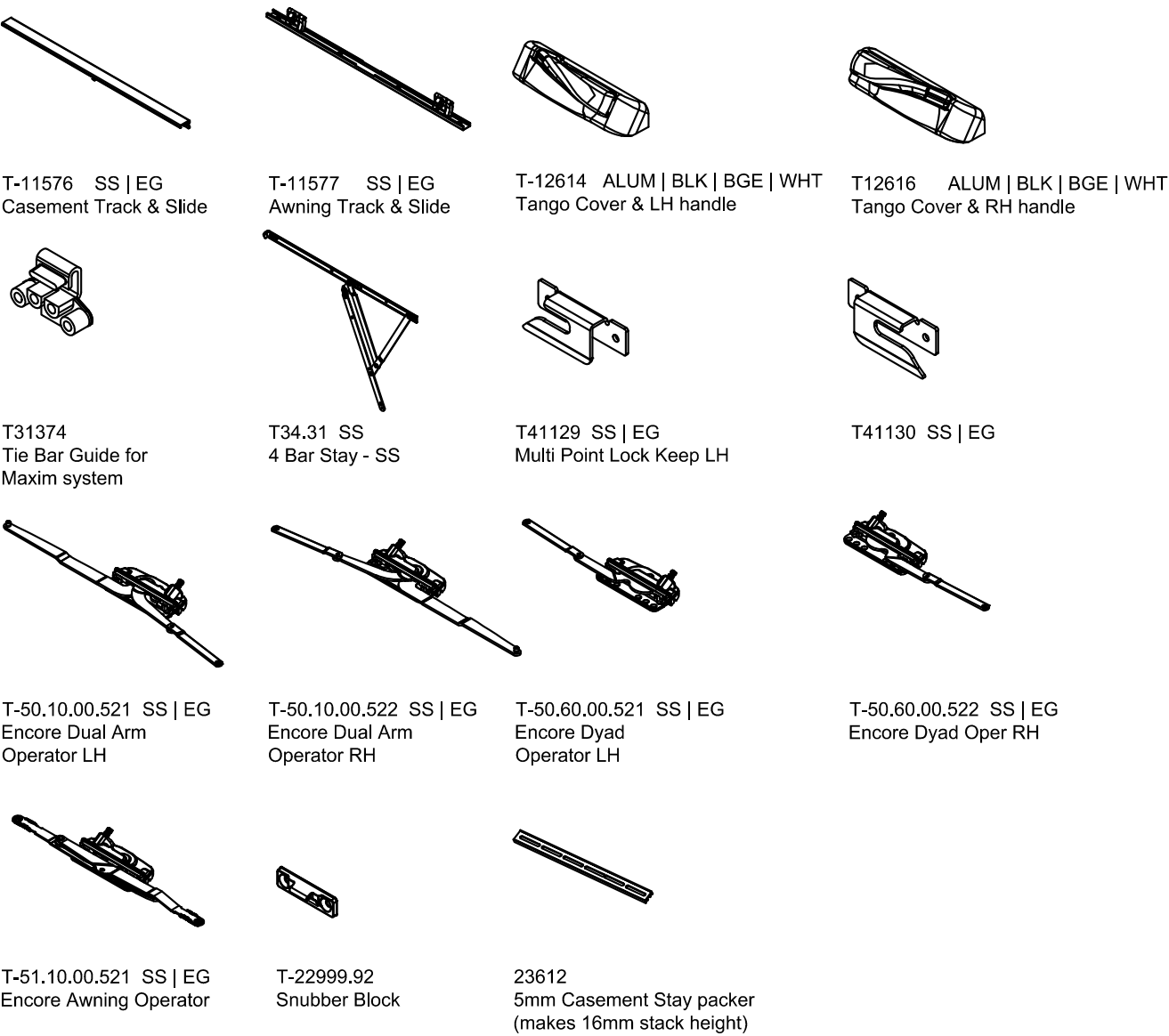
Extrusion ID



Component ID



Truth Awning & Casement Components



Fasteners

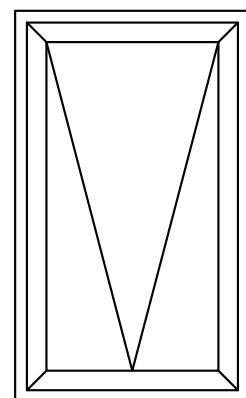
| | | |
|-----------------------------|--------|---------------------|
| Stays: | varies | 20 x #10 Pan Hd S/T |
| Maxim 24 Series Sash Locks: | 2 off | 25 x #10 Pan Hd S/T |
| Tie Bar Guide: | 2 off | 20 x #8 Pan Hd S/T |
| Multi- point keeps (each): | 2 off | 20 x #8 Pan Hd S/T |
| Single point keeps (each): | 2 off | 20 x #8 Pan Hd S/T |
| Casement Operator: | 6 off | 25 x #8 CSK Hd S/T |
| Casement Track T- 11576.92: | 3 off | 25 x #8 CSK Hd S/T |
| Awning Operator: | 3 off | 25 x #8 CSK Hd S/T |
| Awning Track T-11577.92: | 4 off | 25 x #8 CSK Hd S/T |

Max™ TRUTH AWNING & CASEMENT SASHES

Max Framing Systems: MTRUTH - 3

Truth Awning Sash

Centre Glazed

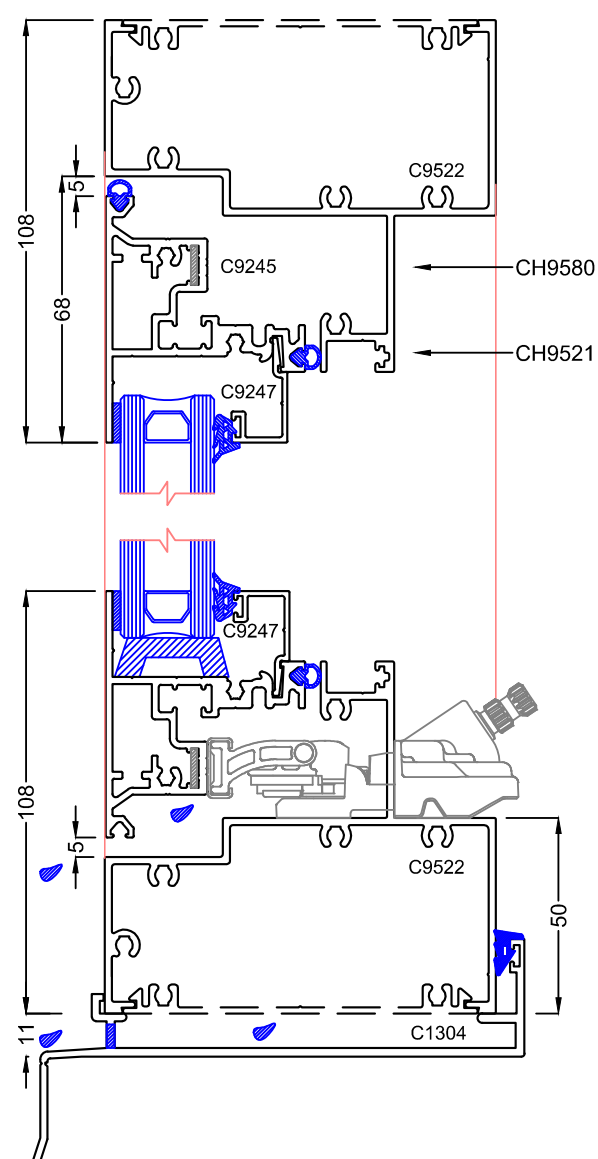


Note:
Maximum Sash weights generally up to 100kg, limited by the hardware.

- Max Sash Height: 2100mm
- Min Sash Rebate: 450mm
- Max Sash Width: 1200mm
- Sash width dependant on Sash height
- Multi-lock should be used on Sashes over 1600mm high.

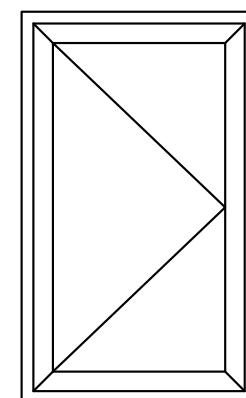
Please refer the Sashes segment in the catalogue for hardware limits & options.

Truth Awning Sash Head & Sill



Truth Casement Sash

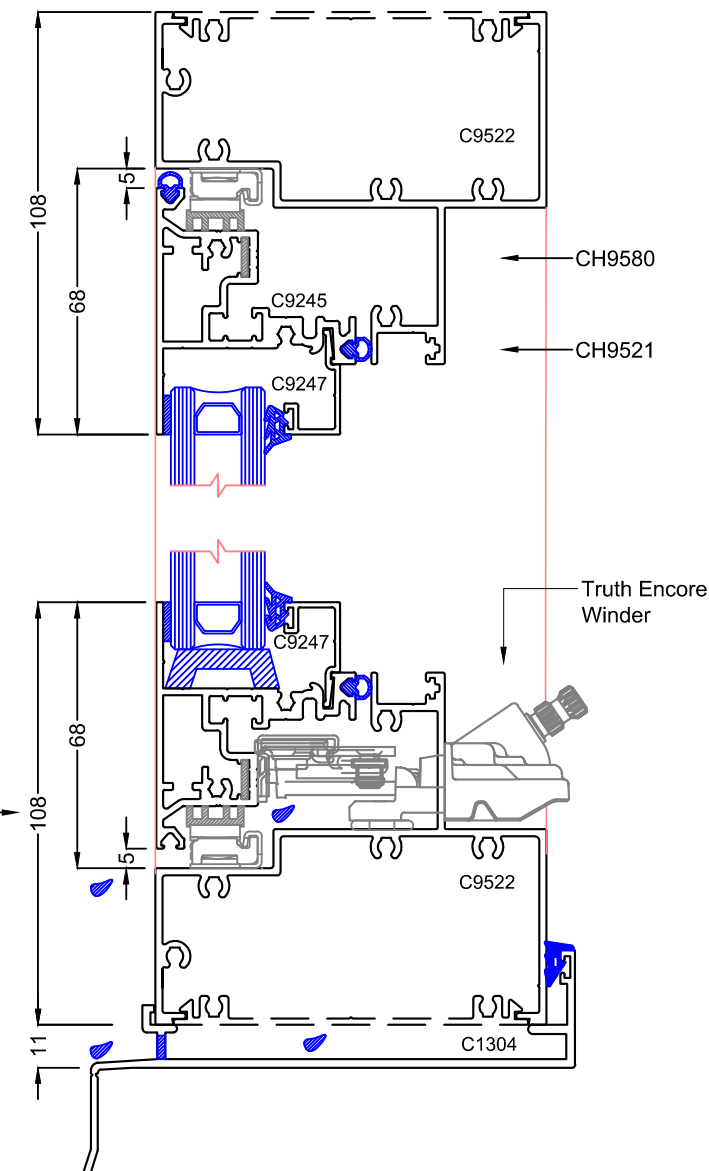
Centre Glazed



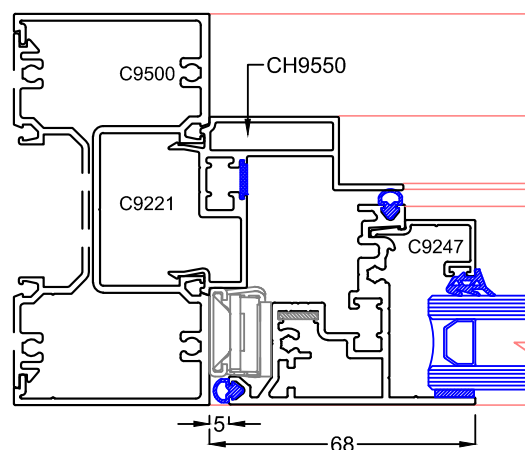
Note:

- Left Hand Sash depicted
Maximum Sash weights generally are 50kg, limited by the hardware.
- Maximum Sash width is 900mm.
 - Multi-point lock should be used on Sashes over 1600mm high.
 - Glass: 24mm - 36mm
- Please refer the Sashes segment in the catalogue for hardware limits & options.

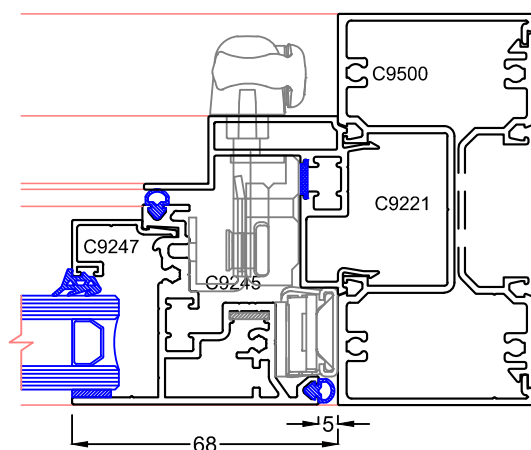
Truth Casement Sash Head & Sill



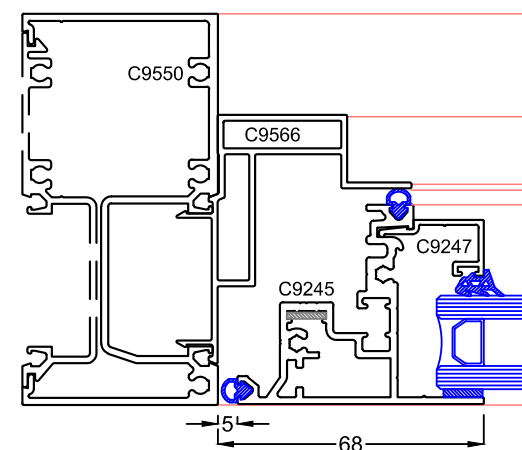
50mm Jamb - "Hinge Side"



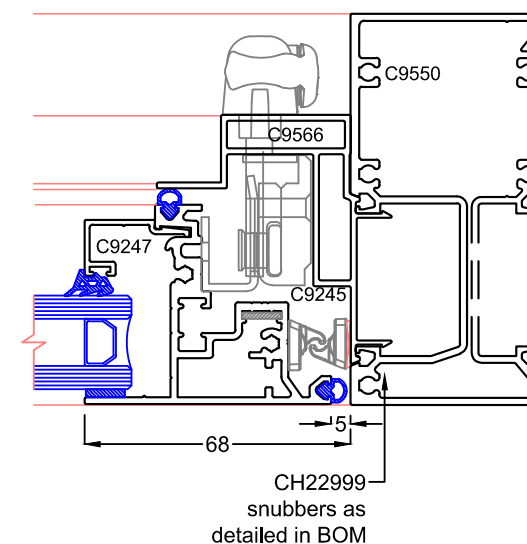
50mm Jamb with multi lock



50mm Jamb - "Hinge Side"



50mm Jamb - "Closing Side"

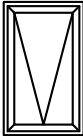


Max™ TRUTH AWNING & CASEMENT SASHES

Max Framing Systems: MTRUTH - 4

Awning Sash Hardware Packages

The following charts detail size limitations & standard Sash hardware packages for Max Truth Awning windows.
Note the variables of Hardware Colour, Hardware Finish & Locking that need to be specified when ordering.



| Awning Sash recommended sizes & package codes | | | | | | | | | | |
|---|----------------------|--|-----|-----|-----|------|------|------|------|-----------|
| Awning Sash Width | | | | | | | | | | |
| Awning Sash Height | Height | 450 | 600 | 750 | 900 | 1050 | 1200 | 1500 | 1800 | Locking |
| | Min 500 Max 700 | T-AWN1 suits Sashes 500-700mm High - 26kg Max | | | | | | | | 2 x T-SPT |
| | Min 701 Max 900 | T-AWN2 suits Sashes 701-900mm High - 45kg Max | | | | | | | | 2 x T-SPT |
| | Min 901 Max 1050 | T-AWN3 suits Sashes 901-1050mm High - 53kg Max | | | | | | | | 2 x T-SPT |
| | Min 1051 Max 1200 | T-AWN4 suits Sashes 1051-1200mm High - 58kg Max | | | | | | | | 2 x T-SPT |
| | Min 1201 Max 1600 | T-AWN5 suits Sashes 1201-1600mm High - 80kg Max | | | | | | | | 2 x T-SPT |
| | Min 1601 Max 2100 | T-AWN6 suits Sashes 1601-2100mm High - 136kg Max | | | | | | | | T-MPT1 |
| | 2400 | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Hardware Options

| Hardware Colour | | Hardware Finish | | Locking | |
|-----------------|--------|-----------------|-----------------|-------------|-------------|
| Colours | Suffix | Description | Suffix | Description | Suffix |
| Aluminium | 01 | EG | E- Gard | KL | Key Locking |
| Black | 02 | SS | Stainless Steel | | |
| White | 32 | | | | |

Package Code Examples

T-AWN2.02.EG Awning Kit, Black (02) E-Gard Hardware (EG)
T-AWN2.01.SS KL Awning Kit, Aluminium (01) Stainless Hardware (EG), Keylocking (KL)

| Description | Qty |
|-----------------------------------|-----|
| Encore Awning Operator | 1 |
| Encore handle & Cover | 1 |
| Awning Track & Slide for Operator | 1 |
| Gasket for Encore Operators | 1 |
| HD 4 Bar Awning Stay - SS | 2 |

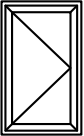
Locking Pack Information

Each pack below is supplied with the following components

| T-SPT | Single Point Lock Kit #1 For Sashes 500-1600mm High | Qty | T-MPT1 | Multi Point Lock Kit #1 For Sashes 1601-2100mm High | Qty |
|-------|--|-----|--------|--|-----|
| | Maxim Single Point Locks | 2 | | Maxim Multi Point Locks | 2 |
| | Supp. Plate for Maxim Locks | 2 | | Supp. Plate for Maxim Locks | 2 |
| | 10-24 x 9/16 Screws | 4 | | 785mm MPt Tie Bar - 2 Roller | 2 |
| | SS Keep for Lock | 2 | | Tie Bar Guilde for Maxim System | 4 |
| | | | | 10-24 x 9/16 Screws | 4 |
| | | | | Multi Point Lock Keep (2LH & 2RH) | 2 |

Casement Sash Packages

The following charts detail size limitations & standard Sash hardware packages for Max Truth Casement windows.
Note the variables of hand, Hardware Colour & Finish that need to be specified when ordering.
Note that 23613 packer is required with casement stays.



| Casement Sash recommended sizes & packages | | | | | | | | |
|--|--------|--------|--------|--------|-----|------|------|---------|
| Casement Sash Width | | | | | | | | |
| Casement Sash Height | Height | 450 | 600 | 750 | 900 | 1050 | 1200 | Locking |
| | 900 | T-CKT1 | | | | | | T-SPT |
| | 1200 | | T-CKT2 | | | | | |
| | 1500 | | T-CKT2 | T-CKT2 | | | | |
| | 1600 | T-CKT1 | | | | | | T-MPT2 |
| | 1700 | T-CKT1 | | | | | | T-MPT3 |
| | 1800 | T-CKT1 | | | | | | T-MPT4 |
| | 1900 | T-CKT1 | T-CKT2 | | | | | T-MPT5 |
| | 2100 | | | | | | | |
| | 2200 | | | | | | | |
| 2400 | | | | | | | | |

Multipoint Lock Kits

| | |
|--------|------------------------------------|
| T-MPT2 | Casement Sashes 1601 - 1700mm High |
| T-MPT3 | Casement Sashes 1701 - 1800mm High |
| T-MPT4 | Casement Sashes 1801 - 1900mm High |
| T-MPT5 | Casement Sashes 1901 - 2350mm High |

Hardware Options

| Hardware Colour | | Hardware Finish | | Hardware hand | | Locking | |
|-----------------|--------|-----------------|-----------------|---------------|--------|-------------|-------------|
| Colours | Suffix | Description | Suffix | Description | Suffix | Description | Suffix |
| Aluminium | 01 | EG | E- Gard | Left Hand | L | KL | Key Locking |
| Black | 02 | SS | Stainless Steel | Right Hand | R | | |
| White | 32 | | | | | | |

Package Code Examples

T-CKTL.02.EG Casement Kit, Left Hand (L), Black (02), E-Gard Hardware (EG)
T-CKTR.01.SS KL Casement Kit, Aluminium (01), Right Hand (R), Stainless Steel Hardware (EG), Keylocking (KL)

Max™ TRUTH AWNING & CASEMENT SASHES

Max Framing Systems: MTRUTH - 5

Casement Sash Package

Listed below is the Bill of Material information for Truth Casement Sashes

| Locking Pack Information | Qty |
|-----------------------------------|-----|
| Maxim Multi Point Lock | 1 |
| Supp. Plate for Maxim Lock | 1 |
| Maxim Multipoint Tie Bar | 2 |
| Tie Bar Guide for Maxim System | * |
| 10-24 x 9/16 Screws | * |
| Multi Point Lock Keep (2LH & 2RH) | * |

Each item supplied will be specified to the particular package number & the items chosed ie: Sash Size, handing, Hardware Colour & Finish

* Quantities of these items are dependant on which Tie Bar is specified for the particular package

Hardware Pack Information

Each pack below is supplied with the following components

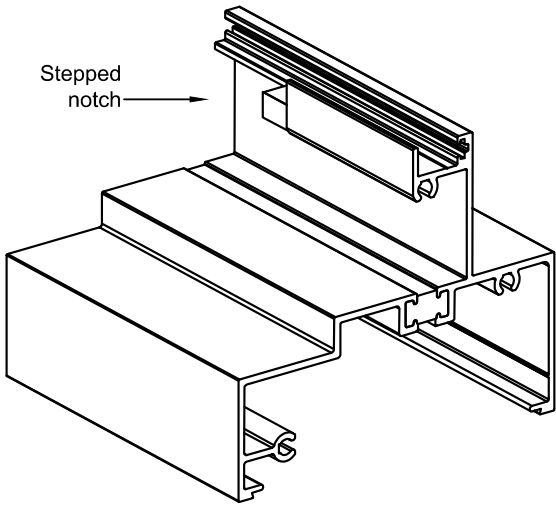
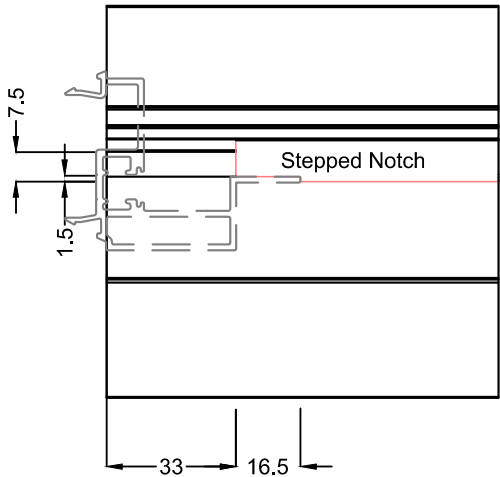
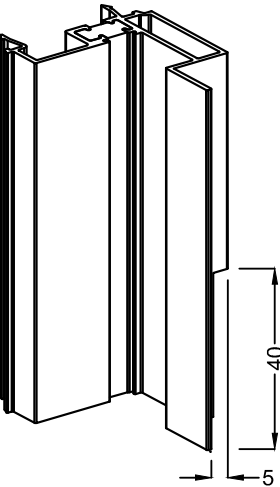
| T-CKT1 | Casement Package #1 For Sashes 450-600mm Wide | Qty |
|------------------------------|--|------|
| Encore Dyad Operator | | 1 |
| Encore handle & Cover | | 1 |
| Bracket for Encore Operators | | 1 |
| Gasket for Encore Operators | | 1 |
| 14 Series Stays (1LH & 1RH) | | Pair |
| 23612 Packer | | 2 |

| T-CKT2 | Casement Package #2 For Sashes 651-1000mm Wide | Qty |
|--------------------------------|---|------|
| Encore Dual Arm Operator | | 1 |
| Encore handle & Cover | | 1 |
| Bracket for Encore Operators | | 1 |
| Tie Bar Guide for Maxim System | | 1 |
| Gasket for Encore Operators | | 1 |
| 14 Series Stays (1LH & 1RH) | | Pair |
| 23612 Packer | | 2 |

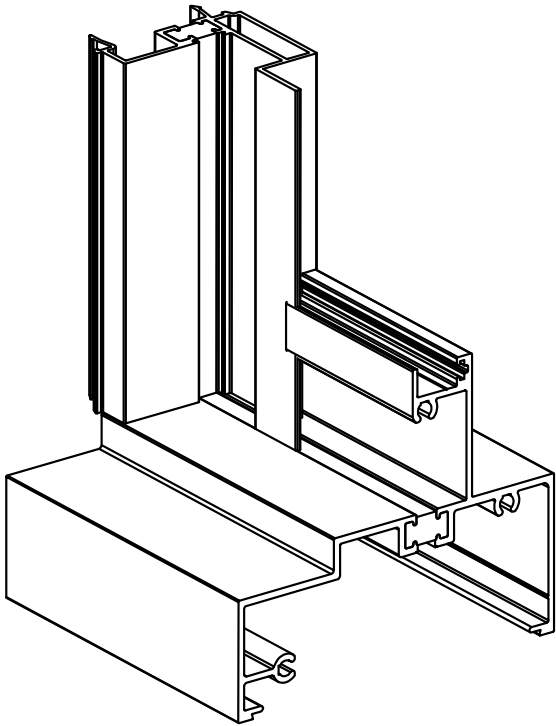
End Machining of Head / Sill & Jamb Adaptor

40 x 5 Notch on back of Jamb adaptor top & bottom

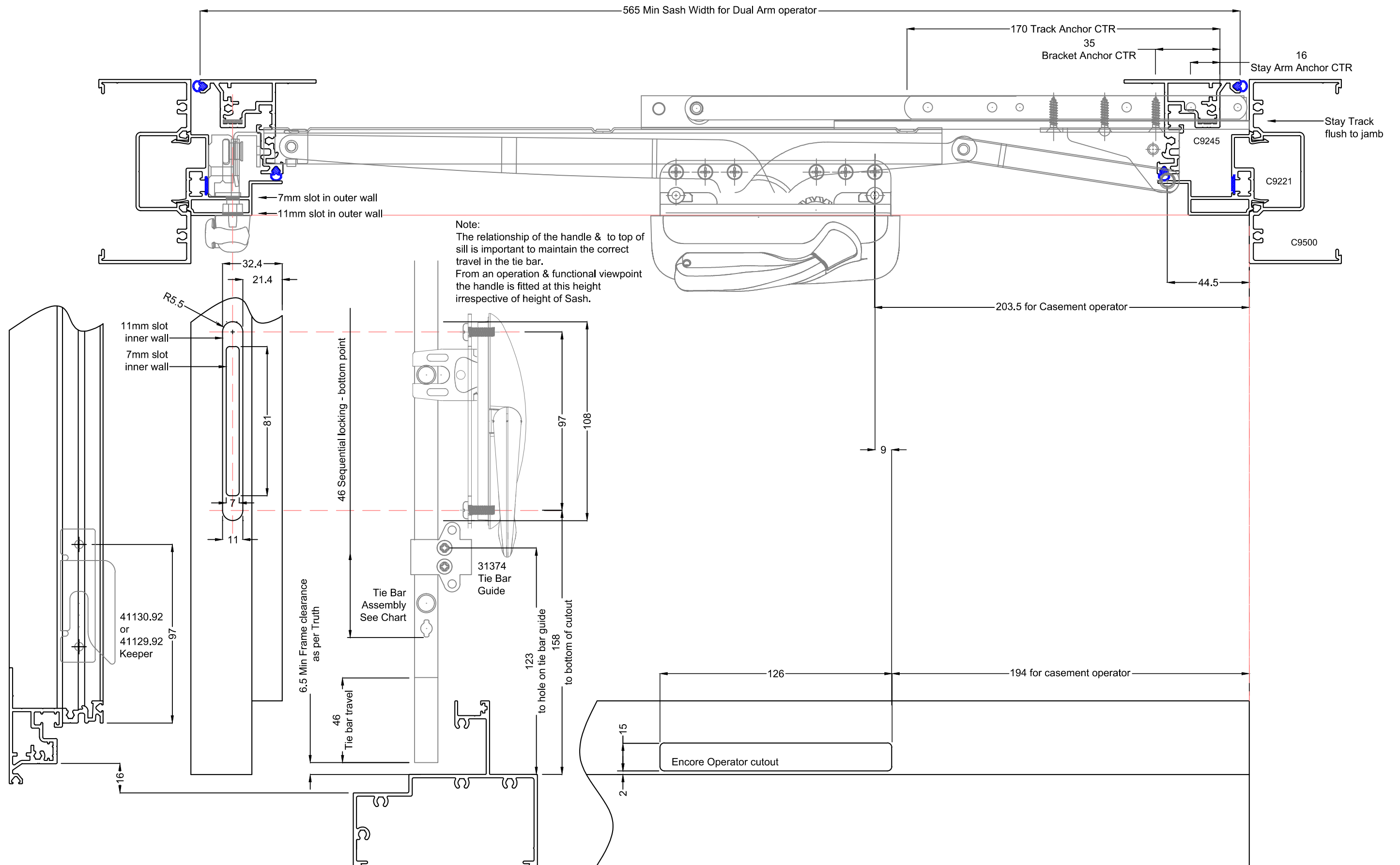
Head / Sill viewed from top.
Stepped notch each end.



Resultant isometric assembly of Jamb adaptor & Sill. This detail applies top & bottom, both ends of bars.



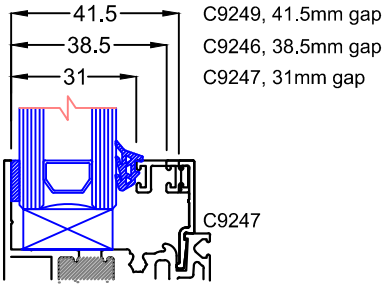
Max™ TRUTH AWNING & CASEMENT SASHES
Max Framing Systems: MTRUTH - 6
Machining Details



Max™ TRUTH AWNING & CASEMENT SASHES

Max Framing Systems: MTRUTH - 7

Sash Glazing Details



Glazing Tape selection
Tremco 800, butyl tape available from 1.2mm thickness.
Tremco polyshim butyl with EPDM spacer, 3.2mm thick

| Max Truth Sash | Glass thickness | Example | Bead | Tape Thickness | Glazing wedge | Gap |
|----------------|-----------------|---------|-------|----------------|---------------|-----|
| | 24mm | 6/12/6 | C9247 | 1.6mm | CH9502 | 5mm |
| | 26mm | 6/14/6 | C9247 | 1.6mm | CH9500 | 3mm |
| | 28mm | 8/12/8 | C9246 | 3.2mm | CH9503 | 7mm |
| | 30mm | 5/20/5 | C9246 | 1.6mm | CH9503 | 7mm |
| | 32mm | 6/20/6 | C9246 | 1.6mm | CH9502 | 5mm |

Glazing Wedges



CH9500
3mm wedge PVC



CH9501
4mm wedge PVC



CH9502
5mm wedge PVC



CH9503
7mm wedge PVC



Cosham Street Residence, Melbourne
Truth Awning with scissor winder