

centor

WS multi-panel external sliding door and window system



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Creating Grand Openings

Achieving unprecedented width in a weathersealed external sliding opening, windows and doors using Centor's WS system feature one fixed and two sliding panels, which are parallel to one another. Used singly or in a pair with timber-framed sliding panels up to 150kg, the potential for optimising space, natural air movement and links between interior and exterior are significant.



Paired together with two panels telescoping in either direction, WS systems allow for openings as large as 5.9 metres wide by 2.5 metres high in the external walls of a residence or commercial project. A grander opening is possible across the full range of sliding specifications.

| WS SPECIFICATIONS | |
|----------------------|------------------|
| max panel load | 150kg |
| max head/sill length | 5800mm |
| max panel height | 2400mm |
| max panel width | 1500mm |
| max door thickness | 38mm |
| max number of panels | 3 doors each way |



CREATING IMPRESSIONS

Creating All-Season Views

More than just wider openings, WS' impressive weight-bearing capacity also means large format glazed door panels and a perfectly-framed panorama when doors are closed. WS hardware and tracking is deliberately unobtrusive and concealed where possible, putting the focus on the craftsmanship of the timber joinery and the grandeur of the views beyond.



CARRIERS AND TRACKING

WS slides on two double-bogey roller carriers rebated into the base of each door panel. Each carrier allows for 8mm of vertical adjustment with a simple screw mechanism accessed via a small hole in the panel. Matching sill and head tracks are produced in aluminium with natural anodised finishes available. Finishes for all visible components complement the warmth and crafted, natural beauty of timber, whether a traditional or contemporary look is desired.

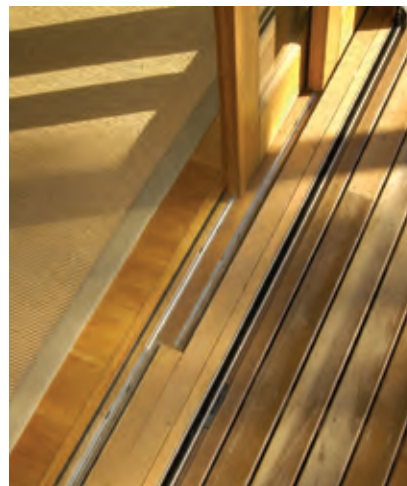
PANEL CONTROL

Independently operating sliding panels allow for positioning versatility to suit a range of potential uses and climatic conditions. Openings can be varied from the width of one panel to two, three or four panels. Dedicated door collection and interlock assembly fittings keep door panels under control, open or closed. Centor's key-lockable DL dropbolts, best suited to the close-passing clearances of sliding doors, anchor closed doors firmly into place.

WEATHER RESISTANCE

Fitted with appropriate weatherseals, doors based on the WS system provide a high degree of protection from wind and water in external applications. Centor recommends and supplies Schlegel weatherseals where required. The extruded aluminium sill provides a positive drainage system at the base of closed doors.

It is recommended that the fabricators/ joiners verify weather performance of WS doors as constructed by them, by testing to AS2047 Australian Standards for windows and doors.



UNOBTRUSIVE HARDWARE EMPHASISES THE CRAFTED, NATURAL BEAUTY OF TIMBER DOORS.

CREATING ASSURANCE

'Centor Grade' Design and Manufacture

Centor's reputation for the highest standards of quality and durability is built on an exhaustive laboratory testing regime at all stages of production. Including finite element analysis, corrosion testing, cyclic testing, and testing for weather resistance; environments a Centor product might face are anticipated. The thoroughness of testing and quality of manufacture is backed by a 10-year Warranty.



FREE SPECIFICATION AND ORDERING SOFTWARE

Doorcalc, Centor's free specification and ordering software simplifies component selection and assists with calculating the size and number of door panels. Doorcalc can be downloaded from www.centor.com.au. It features intuitive drop-down menus to assist the inexperienced Excel® user and allows for identification of each job and automatic generation of an accurate hardware list, ready to forward to Centor.

CREATING CONFIDENCE

COMPONENT SELECTION

Head And Sill Tracks

WS' aluminium head and sill tracks are available in three lengths – 2.9 metres, 4.9 metres and 5.8 metres – with natural anodised finish.

Double Bogey Roller System

Two double-bogey roller units per panel are required to ensure smooth operation and carry the maximum 150kg per panel.

Door Collection Hardware

Door collection hardware kits are available in natural anodised and brown powder-coated finishes.

WeatherSeals

Centor can supply Schlegel (TS48500, PB69650, and QLB7000) WeatherSeals to suit the WS door sealing.

Dropbolts

Centor's DL dropbolts are required for the narrow door passing clearances in sliding systems.

PRODUCT TESTING & GUARANTEE

WS systems are tested to achieve high standards of quality and durability on which we've built our reputation. The Centor testing regime includes finite element analysis, corrosion, cyclic, and weather testing. At Centor we test for environments that our products could face during their lifecycle; this is backed up by a 10 year Warranty.



SPECIFYING WS

Architects and Designers can feel comfortable simply specifying "Centor WS" and leaving detailed component selection to the builder, joiner or fabricator.

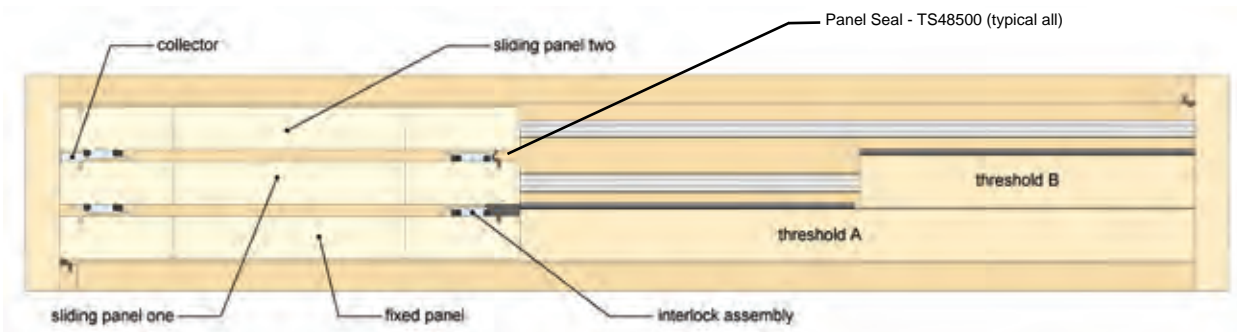
Architectural Detail

DOWNLOADABLE CAD FILES

Downloadable DXF or DWG files ready for use in your own documentation are a convenient resource for architects and specifiers wishing to use Centor systems.

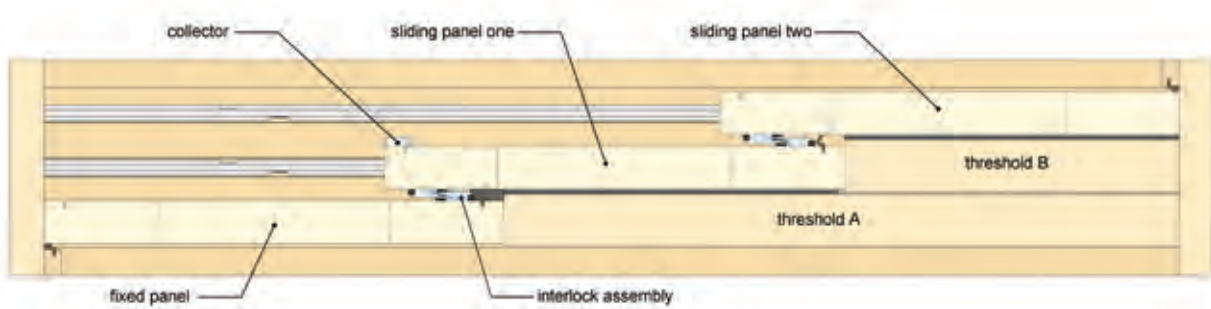
WS DXF or DWG files can be downloaded from www.centor.com.au

PANELS IN OPEN POSITION



WS-001.DXF

PANELS IN CLOSED POSITION



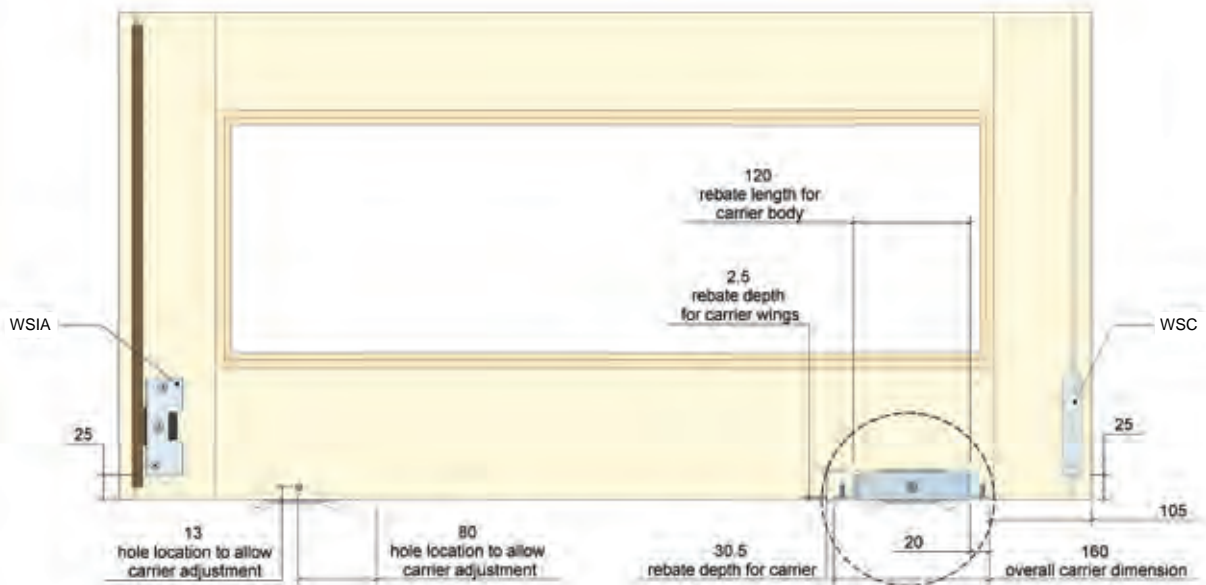
WS-002.DXF

EXTERNAL VIEW OF EQUAL SIZED PANELS



WS-003.DXF

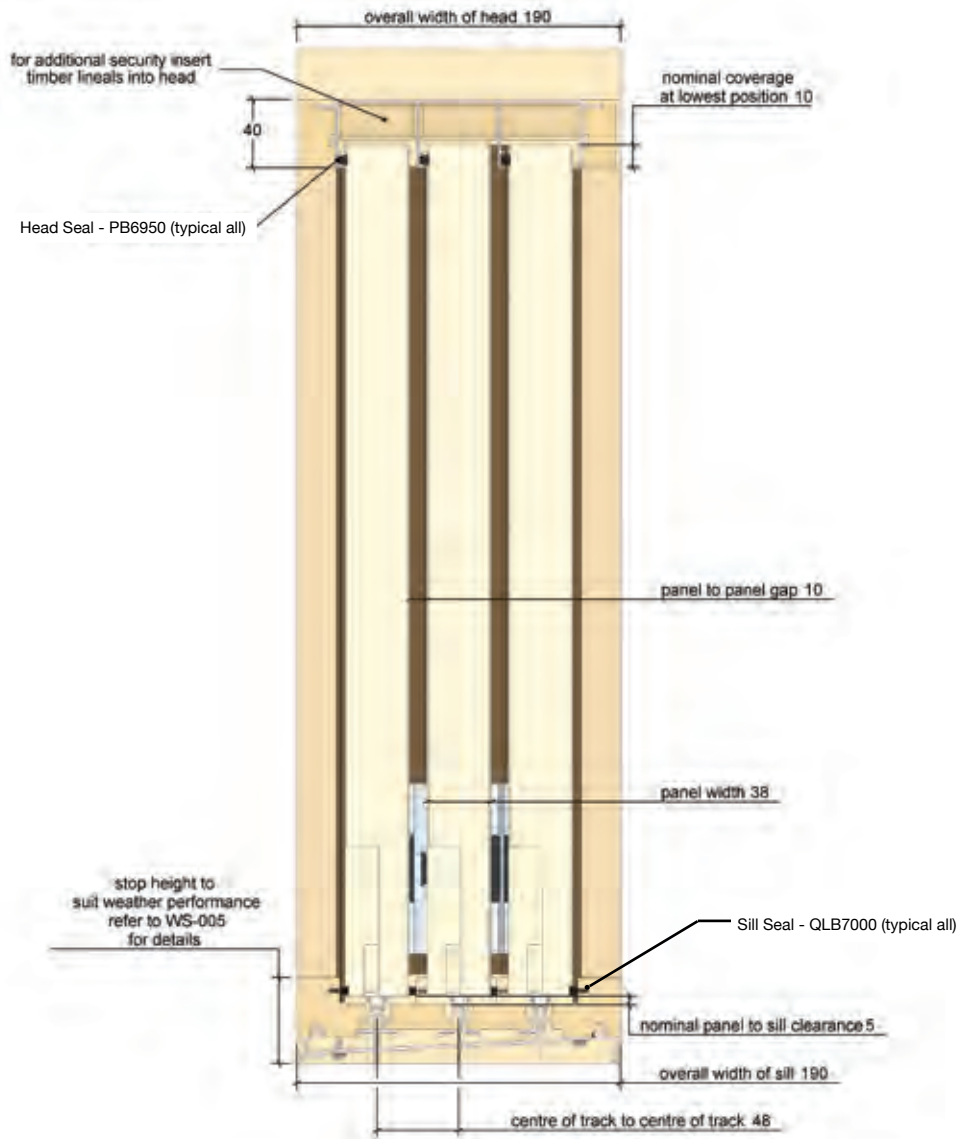
HARDWARE LOCATION



WS-008.DXF

Architectural Detail

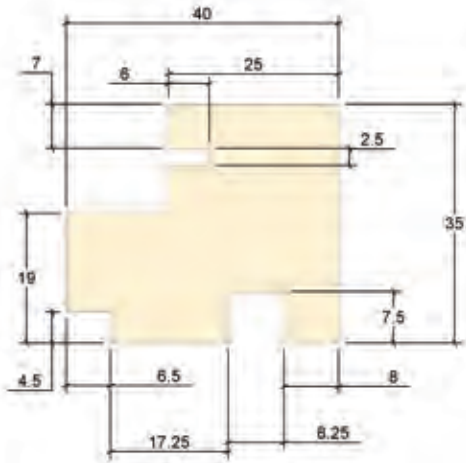
VERTICAL SECTION



WS-004.DXF

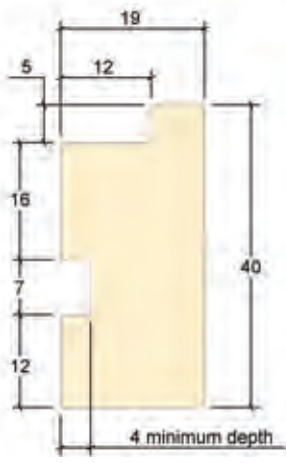
TIMBER PROFILES

OUTER



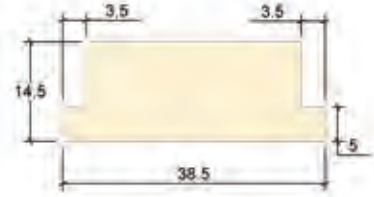
WS-005.DXF

PELMET



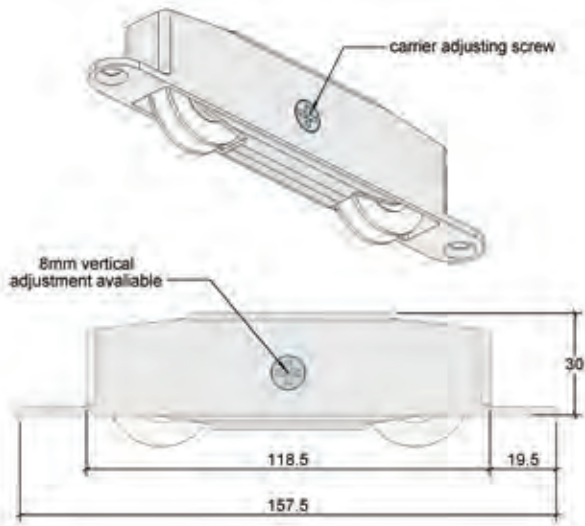
WS-007.DXF

INFILL



WS-006.DXF

TWO WHEEL CARRIER





WS-009.DXF

Component Selection

CARRIER

| PART | PRODUCT CODE | DESCRIPTION |
|---|--------------|--------------------|
|  | WS2WC | WS 2 wheel carrier |

HARDWARE

| PART | PRODUCT CODE | DESCRIPTION |
|---|--------------|---|
|  | WSCN | WS door collector, natural anodised |
|  | WSCB | WS door collector, brown powdercoat |
| | WSIAN | WS interlock assembly, natural anodised |
| | WSIAB | WS interlock assembly, brown powdercoat |


WEATHERSEALS

| PRODUCT CODE | DESCRIPTION | PART |
|--------------|------------------------------|--|
| TS48500 | Schlegel timber weatherseal |  |
| PB69650 | Schlegel weather weatherseal |  |
| QLB7000 | Schlegel kerf weatherseal |  |
| black | black | bronze |


SILL GASKET

| PART | PRODUCT CODE | DESCRIPTION |
|---|--------------|---------------------|
|  | WSDSG | WS door sill gasket |

HEAD

| PART | PRODUCT CODE | DESCRIPTION |
|---|--------------|--|
|  | WSDH29N | WS door head, 2900mm, natural anodised |
| | WSDH49N | WS door head, 4900mm, natural anodised |
| | WSDH58N | WS door head, 5800mm, natural anodised |

SILL

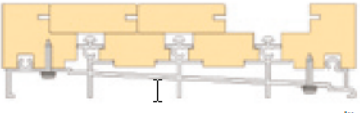
| PART | PRODUCT CODE | DESCRIPTION |
|---|--------------|--|
|  | WSDS29N | WS door sill, 2900mm, natural anodised |
| | WSDS49N | WS door sill, 4900mm, natural anodised |
| | WSDS58N | WS door sill, 5800mm, natural anodised |

Component Selection

HEAD ASSEMBLY WITH TIMBER INSERTS

| PART | PRODUCT CODE | DESCRIPTION |
|---|--------------|---|
|  | WSH29NSRC | WS head assembly, 2900mm, natural anodised, surian cedar |
| | WSH29NWRC | WS head assembly, 2900mm, natural anodised, western red cedar |
| | WSH49NSRC | WS head assembly, 4900mm, natural anodised, surian red cedar |
| | WSH49NWRC | WS head assembly, 4900mm, natural anodised, western red cedar |
| | WSH58NSRC | WS head assembly, 5800mm, natural anodised, surian red cedar |
| | WSH58NWRC | WS head assembly, 5800mm, natural anodised, western red cedar |

SILL ASSEMBLY WITH TIMBER INSERTS

| PART | PRODUCT CODE | DESCRIPTION |
|---|--------------|---|
|  | WSS29NKWL | WS sill assembly, 2900mm, natural anodised, kwila |
| | WSS49NKWL | WS sill assembly, 4900mm, natural anodised, kwila |
| | WSS58NKWL | WS sill assembly, 5800mm, natural anodised, kwila |

HEAD AND SILL (ASSEMBLY WITH TIMBER INSERTS)

| PART | PRODUCT CODE | DESCRIPTION |
|---|--------------|---|
|  | WSA29NSRC | WS assy, 2900mm, natural anodised, kwila sill, surian cedar head |
| | WSA29NWRC | WS assy, 2900mm, natural anodised, kwila sill, western red cedar head |
| | WSA49NSRC | WS assy, 4900mm, natural anodised, kwila sill, surian red cedar head |
| | WSA49NWRC | WS assy, 4900mm, natural anodised, kwila sill, western red cedar head |
| | WSA58NSRC | WS assy, 5800mm, natural anodised, kwila sill, surian red cedar head |
| | WSA58NWRC | WS assy, 5800mm, natural anodised, kwila sill, western red cedar head |

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