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**DISCLAIMER**

Whilst best efforts have been made to ensure the details contained herein are accurate and correct, Wintec Systems is not responsible for any loss or damage whatsoever arising as a result of any errors contained in this manual. Interpretation of standards or codes within this manual is Wintec Systems interpretation of such codes. Responsibility for code compliance remains with the user of this manual. In some cases product specifications may vary without notice. Users should not act or rely upon any information contained in this manual without obtaining appropriate professional advice relating to their particular circumstances. To the maximum extent permitted by law Wintec Systems disclaims all liability for loss or damage suffered by anyone who acts or fails to act in reliance of this manual.
WASF4011
Plain Frame
AP = 447mm
PP = 201mm
Ixx = 95.5 x 10^3 mm^4
Iyy = 690.9 x 10^3 mm^4
Height = 44.5mm
Width = 101.6mm

WASF4012
Corner Post
AP = 724mm
PP = 206mm
Ixx = 1323.1 x 10^3 mm^4
Iyy = 499.2 x 10^3 mm^4
Height = 101.6mm
Width = 101.6mm

WASF4013
Ramp Threshold
AP = 282mm
PP = 128mm
Ixx = 4.654 x 10^3 mm^4
Iyy = 332.7 x 10^3 mm^4
Height = 15mm
Width = 101.6mm

WASF4014
114mm Subsill
AP = 443mm
PP = 109mm
Ixx = 111.3 x 10^3 mm^4
Iyy = 880.2 x 10^3 mm^4
Height = 50mm
Width = 114.2mm

WASF4015
131mm Subsill
AP = 463mm
PP = 163mm
Ixx = 56.0 x 10^3 mm^4
Iyy = 1060.0 x 10^3 mm^4
Height = 50mm
Width = 114.2mm

WASF4016
Subhead
AP = 443mm
PP = 109mm
Ixx = 111.3 x 10^3 mm^4
Iyy = 880.2 x 10^3 mm^4
Height = 50mm
Width = 114.2mm

WASF4017
Flat Self Mating Mullion
AP = 389mm
PP = 146mm
Ixx = 39.8 x 10^3 mm^4
Iyy = 606.9 x 10^3 mm^4
Height = 41.7mm
Width = 101.6mm

WASF4018
Frame with fixing fin
AP = 651.3mm
PP = 182.6mm
Ixx = 151.3 x 10^3 mm^4
Iyy = 731.7 x 10^3 mm^4
Height = 44.5mm
Width = 101.6mm
**WASF4019**  
Flat Filler with Screw Flutes  
- AP = 230mm  
- PP = 101mm  
- $I_{xx} = 0.597 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 183.2 \times 10^3 \text{ mm}^4$  
- Height = 7mm  
- Width = 90.80mm

**WASF4021**  
Concealed Overhead Closer  
- AP = 482mm  
- PP = 226mm  
- $I_{xx} = 118.0 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 818.1 \times 10^3 \text{ mm}^4$  
- Height = 50mm  
- Width = 1016mm

**WASF4022**  
Concealed Overhead Closer Infill  
- AP = 206mm  
- PP = 99mm  
- $I_{xx} = 0.08 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 152.6 \times 10^3 \text{ mm}^4$  
- Height = 3.8mm  
- Width = 96.9mm

**WASF4023**  
Threshold  
- AP = 263mm  
- PP = 113mm  
- $I_{xx} = 4.209 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 330.3 \times 10^3 \text{ mm}^4$  
- Height = 12.5mm  
- Width = 101.6mm

**WASF4024**  
114mm Subsill with Fin  
- AP = 450mm  
- PP = 117mm  
- $I_{xx} = 42.250 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 773.4 \times 10^3 \text{ mm}^4$  
- Height = 58mm  
- Width = 118.27mm

**WASF4020**  
Plant on Door Stop  
- AP = 80mm  
- PP = 43mm  
- $I_{xx} = 166 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 3.11 \times 10^3 \text{ mm}^4$  
- Height = 12.70mm  
- Width = 21mm

**WASF4200**  
DG Frame  
- AP = 603mm  
- PP = 175mm  
- $I_{xx} = 153.7 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 789.6 \times 10^3 \text{ mm}^4$  
- Height = 500mm  
- Width = 1016mm

**WASF4201**  
DG Sill/Transom  
- AP = 480mm  
- PP = 196mm  
- $I_{xx} = 125.3 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 630.0 \times 10^3 \text{ mm}^4$  
- Height = 500mm  
- Width = 1016mm

**WASF4202**  
DG Sill/Transom Bead  
- AP = 196mm  
- PP = 59.8mm  
- $I_{xx} = 12.7 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 190 \times 10^3 \text{ mm}^4$

**WASF4203**  
DG Adapter  
- AP = 329mm  
- PP = 54.4mm  
- $I_{xx} = 16.7 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 211.1 \times 10^3 \text{ mm}^4$

**WASF4205**  
DG Pocket Filler  
- AP = 175mm  
- PP = 37.2mm  
- $I_{xx} = 2.83 \times 10^3 \text{ mm}^4$  
- $I_{yy} = 15.13 \times 10^3 \text{ mm}^4$
**HARVEY COMMERCIAL GLAZING SYSTEM**

**PRODUCT GUIDE**

**HARVEY COMMERCIAL GLAZING SYSTEM**

**WASF4206**
DG Mullion Male
- AP = 538mm
- PP = 114mm
- Ixx = 100.5 x 10^3 mm^4
- Iyy = 770.8 x 10^3 mm^4
- Height = 47.5mm
- Width = 101.6mm

**WASF4207**
DG Mullion Female
- AP = 437mm
- PP = 114mm
- Ixx = 301 x 10^3 mm^4
- Iyy = 544.3 x 10^3 mm^4
- Height = 25.5mm
- Width = 101.6mm

**WASF4208**
DG Heavy Mullion Male
- AP = 537mm
- PP = 114mm
- Ixx = 112.6 x 10^3 mm^4
- Iyy = 1111.8 x 10^3 mm^4
- Height = 47.5mm
- Width = 101.6mm

**WASF4209**
DG Heavy Mullion Female
- AP = 572mm
- PP = 114mm
- Ixx = 1616 x 10^3 mm^4
- Iyy = 1501.8 x 10^3 mm^4
- Height = 47.5mm
- Width = 101.6mm

**WASF4210**
DG Sash Stop
- AP = 100mm
- PP = 93mm
- Ixx = 17.1 x 10^3 mm^4
- Iyy = 15.5 x 10^3 mm^4

**WASF4211**
45mm Door Stop
- AP = 100mm
- PP = 93mm
- Ixx = 7.36 x 10^3 mm^4
- Iyy = 16.8 x 10^3 mm^4

**WASF4218**
DG Frame with fixing fin
- AP = 685mm
- PP = 175.6mm
- Ixx = 1913 x 10^3 mm^4
- Iyy = 808.8 x 10^3 mm^4
- Height = 50.0mm
- Width = 101.6mm

**WACD0001**
Hinge Stile
- AP = 269mm
- PP = 204mm
- Ixx = 813 x 10^3 mm^4
- Iyy = 299.6 x 10^3 mm^4
- Height = 44.5mm
- Width = 67.49mm
**Profiles Scale 1:1**

**WACD0002**
Lock Stile
- $AP = 279\mathrm{mm}$
- $PP = 203\mathrm{mm}$
- $I_{xx} = 91.0 \times 10^{3}\mathrm{mm}^4$
- $I_{yy} = 280.9 \times 10^{3}\mathrm{mm}^4$
- Height = 44.5mm
- Width = 67.5mm

**WACD0003**
Pivot Stile
- $AP = 291\mathrm{mm}$
- $PP = 203\mathrm{mm}$
- $I_{xx} = 106.0 \times 10^{3}\mathrm{mm}^4$
- $I_{yy} = 291.2 \times 10^{3}\mathrm{mm}^4$
- Height = 44.5mm
- Width = 67.5mm

**WACD0004**
Slider Stile
- $AP = 279\mathrm{mm}$
- $PP = 202\mathrm{mm}$
- $I_{xx} = 94.7 \times 10^{3}\mathrm{mm}^4$
- $I_{yy} = 288.4 \times 10^{3}\mathrm{mm}^4$
- Height = 44.5mm
- Width = 67.5mm

**WACD0005**
Bi-Fold Stile
- $AP = 282\mathrm{mm}$
- $PP = 207\mathrm{mm}$
- $I_{xx} = 116.2 \times 10^{3}\mathrm{mm}^4$
- $I_{yy} = 336.5 \times 10^{3}\mathrm{mm}^4$
- Height = 44.5mm
- Width = 67.5mm

**WACD0006**
Wide Hinge Stile
- $AP = 363\mathrm{mm}$
- $PP = 298\mathrm{mm}$
- $I_{xx} = 236.9 \times 10^{3}\mathrm{mm}^4$
- $I_{yy} = 1135.3 \times 10^{3}\mathrm{mm}^4$
- Height = 44.5mm
- Width = 114.5mm

**WACD0007**
Wide Lock Stile
- $AP = 373\mathrm{mm}$
- $PP = 309\mathrm{mm}$
- $I_{xx} = 237.1 \times 10^{3}\mathrm{mm}^4$
- $I_{yy} = 1154.8 \times 10^{3}\mathrm{mm}^4$
- Height = 44.5mm
- Width = 114.5mm

**WACD0009**
SG Wide Slider Stile
- $AP = 374\mathrm{mm}$
- $PP = 320\mathrm{mm}$
- $I_{xx} = 239.9 \times 10^{3}\mathrm{mm}^4$
- $I_{yy} = 1419.4 \times 10^{3}\mathrm{mm}^4$
- Height = 44.5mm
- Width = 114.5mm
HARVEY COMMERCIAL GLAZING SYSTEM

WACD0010
Bottom Rail
- AP = 434mm
- PP = 216mm
- Ixx = 605.6 x 10^3 mm^4
- Iyy = 209.3 x 10^3 mm^4
- Height = 44.5mm
- Width = 114.5mm

WACD0008
Double Hinge Door Stop
- AP = 199mm
- PP = 64mm
- Ixx = 122 x 10^3 mm^4
- Iyy = 4.04 x 10^3 mm^4
- Height = 26mm
- Width = 26mm

WACD0011
Top Rail
- AP = 460mm
- PP = 160.9mm
- Ixx = 266 x 10^3 mm^4
- Iyy = 13.15 x 10^3 mm^4
- Height = 78.5mm
- Width = 42mm

WACD0015
Mid Rail
- AP = 763.8mm
- PP = 270.4mm
- Ixx = 259.7 x 10^3 mm^4
- Iyy = 13.38 x 10^3 mm^4
- Height = 42mm
- Width = 124mm

WACD0020
Glazing Bead
- AP = 123mm
- PP = 30.7mm
- Ixx = 3.95 x 10^3 mm^4
- Iyy = 2.10 x 10^3 mm^4

WACD0010
Bottom Rail
- AP = 434mm
- PP = 216mm
- Ixx = 605.6 x 10^3 mm^4
- Iyy = 209.3 x 10^3 mm^4
- Height = 44.5mm
- Width = 114.5mm

WACD0021
DG Hinge Stile
- AP = 312mm
- PP = 204mm
- Ixx = 168 x 10^3 mm^4
- Iyy = 293.6 x 10^3 mm^4
- Height = 44.5mm
- Width = 76.5mm

WACD0022
DG Lock Stile
- AP = 323mm
- PP = 203mm
- Ixx = 165.6 x 10^3 mm^4
- Iyy = 291.5 x 10^3 mm^4
- Height = 44.5mm
- Width = 76.5mm

WACD0023
DG Pivot Stile
- AP = 335mm
- PP = 203mm
- Ixx = 172.7 x 10^3 mm^4
- Iyy = 307.8 x 10^3 mm^4
- Height = 44.5mm
- Width = 76.5mm

WACD0024
DG Slider Stile
- AP = 323mm
- PP = 203mm
- Ixx = 171.5 x 10^3 mm^4
- Iyy = 305.4 x 10^3 mm^4
- Height = 44.5mm
- Width = 76.5mm
**PROFILES**

**WACD0205**
DG Bi-Fold Stile
- AP = 326mm
- PP = 207mm
- Ixx = 174.8 x 10^3 mm^4
- Iyy = 322.6 x 10^3 mm^4
- Height = 44.5mm
- Width = 76.5mm

**WACD0206**
DG Wide Hinge Stile
- AP = 410mm
- PP = 302mm
- Ixx = 257.7 x 10^3 mm^4
- Iyy = 1116.2 x 10^3 mm^4
- Height = 44.5mm
- Width = 125.5mm

**WACD0207**
DG Wide Lock Stile
- AP = 422mm
- PP = 302mm
- Ixx = 257.3 x 10^3 mm^4
- Iyy = 1106.3 x 10^3 mm^4
- Height = 44.5mm
- Width = 125.5mm

**WACD0209**
DG Wide Slider Stile
- AP = 422mm
- PP = 325mm
- Ixx = 260.1 x 10^3 mm^4
- Iyy = 1145.5 x 10^3 mm^4
- Height = 44.5mm
- Width = 114.5mm

**WACD0210**
DG Bottom Rail
- AP = 413mm
- PP = 208mm
- Ixx = 511.7 x 10^3 mm^4
- Iyy = 206.6 x 10^3 mm^4
- Height = 44.5mm
- Width = 70mm

**WACD0211**
DG Top Rail
- AP = 442.5mm
- PP = 173.4mm
- Ixx = 236.5 x 10^3 mm^4
- Iyy = 150.3 x 10^3 mm^4
- Height = 78.5mm
- Width = 42mm

**WACD0215**
DG Mid Rail
- AP = 711.4mm
- PP = 247.7mm
- Ixx = 254.4 x 10^3 mm^4
- Iyy = 1144.3 x 10^3 mm^4
- Height = 42mm
- Width = 124mm

**WACD0216**
DG Glazing Bead
- AP = 100mm
- PP = 22mm
- Ixx = 3.77 x 10^3 mm^4
- Iyy = 1.354 x 10^3 mm^4

**WACS007**
Commercial Glaze Coupler
- AP = 260mm
- PP = 0mm
- Ixx = 2.02 x 10^3 mm^4
- Iyy = 321.2 x 10^3 mm^4

**WACD0220**
DG Glazing Bead
- AP = 100mm
- PP = 22mm
- Ixx = 3.77 x 10^3 mm^4
- Iyy = 1.354 x 10^3 mm^4

**WAAW100**
Awning Head
- AP = 681mm
- PP = 361mm
- Ixx = 148.2 x 10^3 mm^4
- Iyy = 720.6 x 10^3 mm^4
- Height = 72.4mm
- Width = 101.6mm
### Wedges & Seals Table

<table>
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<th>Glass Thickness</th>
<th>Roll-in Wedge</th>
<th>Captive Wedge</th>
<th>Roll-in Wedge Both Sides</th>
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</thead>
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<td>5mm Glass</td>
<td>WINSF-R (Blue)</td>
<td>WINSF-Y (Yellow)</td>
<td>WINSF-R (Blue)</td>
</tr>
<tr>
<td>6mm and 6.38mm Glass</td>
<td>WINSF-R (White)</td>
<td>WINSF-Y (Yellow)</td>
<td>WINSF-R (Yellow)</td>
</tr>
<tr>
<td>8mm and 8.38mm Glass</td>
<td>WINSF-R (Red)</td>
<td>WINSF-Y (Yellow)</td>
<td>WINSF-R (Green)</td>
</tr>
<tr>
<td>10mm and 10.38mm Glass</td>
<td>WINSF-R (Red)</td>
<td>WINSF-Y (Yellow)</td>
<td>WINSF-R (Red)</td>
</tr>
<tr>
<td>24mm Glass</td>
<td>WINSF-R (Red)</td>
<td>WINSF-Y (Yellow)</td>
<td>WINSF-R (Yellow)</td>
</tr>
<tr>
<td>28mm Glass</td>
<td>WINSF-R (Red)</td>
<td>WINSF-Y (Yellow)</td>
<td>WINSF-R (Yellow)</td>
</tr>
</tbody>
</table>

**MISCELLANEOUS**

- **WINSF-DS** Door Stop
- **WINSF-SS** Mullion Seal
- **WINSF-SS** Subsill Seal
- **SAWO02** QLON Seal
- **SAWO07** FIN Seal
- **WINSF-SH** Subhead Seal
- **W** **W** **CDG** Glazing Channel (channel to suit 10-16mm glass)
- **W** **W** **CDG** Glazing Channel (channel to suit 18-22mm glass)

**Note:** ** is replaced with glass size (i.e. W10WCDG - 10mm glass)

### Components

- **SAWO01M** corner stake
- **SAWO06M** 22mm sash corner stake
- **SAWO16** 22mm sash retainer clip
- **SAWO11** head gasket
- **SAWO12** sill gasket
- **SAWO13** transom gasket
- **SFD068** Fast Fix Stainless Steel Hinge
- **SPIGOTHDKIT** Single Glazed Spigot Kit
- **SPIGOTHDKITG** Double Glazed Spigot Kit
- **WINSF001** Subsill End Caps Black (pair)
- **CHAIN WINDER** to suit 40kg & 60kg sash
- **20-PA50100GU** Twin Wheel Bottom Guide
- **20-PA50100WA** Roller Assembly - 200kg Max
- **20-PA50LLP** Polyethylene Extrusion Jointer
- **20-PA50EC** Polyethylene End Cap
- **20-22-PA50100** Overhead Track Door Stop
**COMPONENTS | SINGLE GLAZED SPIGOT KIT**

**NOTE:** 8.5mm diameter hole drilled through centre

**SECTION C-C**

**SIDE VIEW**

**TOP VIEW**

**DIA 8.5**

**SPIGOT DKITS**

**PACK CONTAINS:**
- 4 - SG SPIGOTS
- 4 - MB X 40mm S/S HEX BOLTS
- 4 - MB S/S SPRING WASHERS
- 4 - MB S/S HEX NUTS

**COMPONENTS | DOUBLE GLAZED SPIGOT KIT**

**NOTE:** 8.5mm diameter hole drilled through centre

**SECTION D-D**

**SIDE VIEW**

**TOP VIEW**

**DIA 8.5**

**SPIGOT DKITD**

**PACK CONTAINS:**
- 4 - DG SPIGOTS
- 4 - MB X 50mm S/S HEX BOLTS
- 4 - MB S/S SPRING WASHERS
- 4 - MB S/S HEX NUTS
ASSEMBLY DETAILS | SINGLE GLAZED DOOR

ASSEMBLY DETAILS | DOUBLE GLAZED DOOR

NOTE: ADDITIONAL HINGE FOR DOORS OVER 2200mm HEIGHT

OUTSIDE

CORNER ASSEMBLY PLAN VIEW
(SPIGOTHIKITS ASSEMBLY)

SCALE 1:10
The Sub Sill End Cap is a purpose designed component reducing labour time required for the installation and sealing the 10160mm commercial Sub Sill without the need of additional trim angles.

The Sub Sill End Caps are available as a set with 1 left and 1 right end.

**Step 1.**
Starting from the end of the sub sill, run a full bead of silicone (general purpose non acetic neutral cure) around the edges of the sub sill. Run a close zig zag pattern bead across the bottom face of the sub sill 20mm in from the end. Apply silicone to edges of the sub sill as shown in detail below.

**Step 2.**
Insert the sub sill end cap into the sub sill and push home. Ensure the silicone has completely sealed off the end of the sub sill. Wipe away any excess silicone making sure that the top face of the end cap and the sill support legs are free of silicone build up.

**NOTE:**
When applying sealant to Aluminium ensure that Silicon is used for Anodised Aluminium and Polyurethane is used for Powder Coated Aluminium.
CROSS SECTIONS | SASH ONLY - SINGLE GLAZED

- Overall door width: 785mm
- Roll-in wedge
- Overall frame height
- Glass height = daylight + 16mm
- Glass width = daylight + 16mm

CROSS SECTIONS | OPEN OUT - SINGLE GLAZED

- Overall door width: 488mm
- 3mm daylight height
- 6mm daylight width
- Glass height = daylight + 16mm
- Glass width = daylight + 16mm

*4mm for a flush mounted lock
6mm for a face fix striker*
CROSS SECTIONS | OPEN IN - SINGLE GLAZED

OUTSIDE

CROSS SECTIONS | SASH ONLY - DOUBLE GLAZED

OUTSIDE

4mm for a flush mounted lock
6mm for a face fix striker

48mm
3mm
6mm
21mm

OUTSIDE

OVERALL DOOR WIDTH

OVERALL DOOR HEIGHT

GLASS HEIGHT = DAYLIGHT + 24mm

DAYLIGHT HEIGHT

GLASS WIDTH = DAYLIGHT + 24mm
CROSS SECTIONS | PIVOT TOP AND BOTTOM RAILS, AND STILES

OUTSIDE

PAIR OF PIVOT DOORS

OUTSIDE

CROSS SECTIONS | TOP HUNG DOOR - SINGLE GLAZED

SCALE 1:2
FIT LOCK TO DOOR STILE OR FRAME DEPENDING ON REQUIREMENTS

GLASS HEIGHT = DAYLIGHT + 16

DAYLIGHT SIZE

GLASS WIDTH = DAYLIGHT + 16

DOOR WIDTH

58

58

[200kg max sash]
CROSS SECTIONS | AWNING - SINGLE GLAZED

OUTSIDE

DAYLIGHT WIDTH

GLASS WIDTH = DAYLIGHT + 12mm

44.5

OVERALL FRAME WIDTH

GLASS HEIGHT = DAYLIGHT + 20mm

39.5

NOTE: TO SUIT 10 - 16mm GLASS THICKNESS

CROSS SECTIONS | AWNING - DOUBLE GLAZED

OUTSIDE

DAYLIGHT WIDTH

GLASS WIDTH = DAYLIGHT + 20mm

44.5

OVERALL FRAME WIDTH

GLASS HEIGHT = DAYLIGHT + 20mm

39.5

NOTE: TO SUIT 10 - 16mm GLASS THICKNESS

50
MACHINING DETAILS | STANDARD SUB FRAME DRAINAGE JAMB

SCALE 12

NOTE:
DRAIN HOLES ARE UNIVERSAL BETWEEN SINGLE AND DOUBLE GLAZED FRAMES

NOTE:
ALL TRANSOMS ARE BUTT SEALED WITH SEALANT

MACHINING DETAILS | AWNING SASH BOTTOM RAIL DRAINAGE

SCALE 12

WAAW125

10mm

Ø7.0 (2) UNDERSIDE

100mm

RAIL CENTRE LINE

10mm

25mm

100mm

R35mm

2.5mm

2.5mm

R3.5mm

WAAW125
MACHINING DETAILS | AWNING SASH TOP RAIL

12mm CUT OFF

EXAMPLE SHOWN - WAAW124

MACHINING DETAILS | AWNING SASH BOTTOM RAIL

FIXINGS FOR CHAIN WINDER

WAAW124

WAAW125

WAAW126

WAAW154

WAAW156

12mm CUT OFF

SUITES TOP RAILS [WAAW124, WAAW153, WAAW161]
NOTE: CUTOUT IS THE SAME FOR BOTH ENDS

SUITES SUBSILLS [WASF4014, WASF4015 WASF4024]
EXAMPLE SHOWN - WASF4015
These tables are based on theoretical section mechanical properties, not on approved tests as specified by AS2047.

Where the ultimate limit state wind pressure requirement exceed 6000Pa
Please contact Ullrich Systems for advice.

S = Serviceability limit state wind pressure. U = Ultimate limit state wind pressure.

<table>
<thead>
<tr>
<th>MULLION SPACING (CENTRES)</th>
<th>MAXIMUM PRESSURE (Pa)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>600</td>
</tr>
<tr>
<td>2000</td>
<td>S</td>
</tr>
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<td>S</td>
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<td>S</td>
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</tr>
<tr>
<td>2500</td>
<td>S</td>
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</tbody>
</table>
MULLION PERFORMANCE CHARTS

These tables are based on theoretical section mechanical properties, not on approved tests as specified by AS2047.

Where the ultimate limit state wind pressure requirement exceed 6000Pa

Please contact Wintec Systems for advice

S = Serviceability limit state wind pressure, U = Ultimate limit state wind pressure

MULLION SPACING (CENTRES)

<table>
<thead>
<tr>
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<th>MAXIMUM PRESSURE (Pa)</th>
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<tbody>
<tr>
<td>600</td>
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MULLION SPACING (CENTRES)

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<tbody>
<tr>
<td>600 700 800 900 1000 1100</td>
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MULLION PERFORMANCE CHARTS

These tables are based on theoretical section mechanical properties, not on approved tests as specified by AS2047.

Where the ultimate limit state wind pressure requirement exceed 6000Pa

Please contact Wintec Systems for advice

S = Serviceability limit state wind pressure, U = Ultimate limit state wind pressure

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<td>U 2129 1934 1739 1544 1349 1154</td>
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**MULLION PERFORMANCE CHARTS**

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Where the ultimate limit state wind pressure requirement exceed 6000Pa

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S = Serviceability limit state wind pressure, U = Ultimate limit state wind pressure.

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**MAXIMUM PRESSURE (Pa)**

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**MULLION COMBINATION WAS4/206/5AS4/207**

DEFLECTION LIMITED TO SPAN/250

**MULLION COMBINATION WAS4/208/5AS4/209**

DEFLECTION LIMITED TO SPAN/250
### TRANSOM PERFORMANCE CHARTS

**TRANSOM COMBINATION WASF4001/WASF4003**

- **DEFLECTION LIMITED TO SPAN/250**

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- **Stack Height** = highlight and lowlight heights.
- **Maximum stress using 6063-T6 alloy limited to 190MPa**

<table>
<thead>
<tr>
<th>TRANSOM WIDTH (mm)</th>
<th>STACK HEIGHT</th>
<th>900</th>
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</table>

- **Ixx** = 1586.1 x 10^4 mm^4
- **Iyy** = 8104.6 x 10^4 mm^4

### TRANSOM PERFORMANCE CHARTS

**TRANSOM COMBINATION WASF4201/WASF4203**

- **DEFLECTION LIMITED TO SPAN/250**

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- **Maximum stress using 6063-T6 alloy limited to 190MPa**

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- **Ixx** = 1467.2 x 10^4 mm^4
- **Iyy** = 81296 x 10^4 mm^4

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Harvey Commercial Glazing System Product Guide
Wintec Systems windows and doors are an all Australian designed and manufactured product, with modern designs and quality finish at the forefront of the Wintec philosophy.

An ongoing commitment to product development and service to our Australia wide fabricator base ensures that no matter where you are, you have access to the latest designs in the Window and Door industry.

CENTRE GLAZED FRAMING FEATURES/ BENEFITS

Centre Glazed Framing Profiles are easy to manufacture and have a flexible range of uses. Our 1016mm framing integrates with our other Wintec architectural systems and our Sub-frame options ensure suitability for various applications both commercial and residential.

Options for both single and double glazing pockets allow for a wide range of glazing from 5mm to 28mm thickness and our 6063 T6 alloy improves the fabrication processes and overall product strength.

With the addition of colour coded glazing wedges, our systems become even easier to identify and select, and to top it off, our secure fit captive wedge improves retention in the glazing pocket.

"BUILDING PRODUCTS BEYOND THE STANDARDS"

WINDOW & DOOR TESTING LABORATORY

The Wintec designed products are tested to Australian standard AS2047 in NATA accredited laboratory No. 14093. This ensures your windows and doors comply with the building code of Australia (BCA) and are suited to your particular location. In line with the BCA requirements Wintec windows and doors carry a 7 year guarantee.