Min/ Max Sizes
SH-3500: NON-IMPACT ALUMINUM SINGLE HUNG
MAX. SIZES

- 53 1/8" MAX. TIP WIDTH
- 51 7/8" MAX. DLO WIDTH
- 91" MAX. TIP HEIGHT
- 89 3/4" MAX. DLO HEIGHT
- 45 15/16" MAX. SASH HEIGHT

EQUAL SASH
DP: +/- 35

5-HI SASH ORIEL
DP: +/- 35

NOTES:
1) REFER TO INSTALLATION DETAILS FOR DESIGN PRESSURES AND INSTALLATION NOTES.
2) MAX. NON-IMPACT SINGLE HUNG D.P.: +/- 40
4) ALL WINDOWS OVER 6-HI GET MAXIMUM 5-HI SASH.
5) STANDARD ARCHTOP DROP IS 1" PER DLO FOOT WIDTH. LARGER DROPS MAY REDUCE CLEAR OPENING.

SH-3500: SINGLE HUNG MIN. SIZES

- 12" MIN. DLO WIDTH
- 13 1/4" MIN. TIP WIDTH
- 19 1/8" MIN. TIP HEIGHT
- 17 7/8" MIN. DLO HEIGHT
- 3 1/4" MIN. SASH HEIGHT

EQUAL SPLIT
SH-3500: NON-IMPACT ALUMINUM SINGLE HUNG
PROFILE VIEW

SPECIFICATIONS:

■ Window frame and sash are 6063-T6 Aluminum
■ 2” Outerframe
■ Sloped sill for water drainage
■ Frame Colors: White, Solid Bronze and Solid Driftwood
■ Removable sash for easy cleaning
■ Windows over 30” wide receive 2 sweep locks
■ Screens feature metal tabs for maximum durability
■ Interlocking frame and sash for maximum weatherproofing
■ Windows feature bulb vinyl and fin woolpile
■ Exterior glazing on all windows
■ Double strength glass
■ Commercially rated
■ Windows are tested in accordance with AAMA/NWWDA 101/IS 2
■ Test data available on our website (www.cws.cc)
■ We proudly offer products that have earned the ENERGY STAR®

OPTIONS:

■ Insulated glass (5/8” overall Annealed) (3/8” air space)
■ Colonial insulated glass (see Common Grid Configurations)
■ Tempered glass
■ Popular glass tints and obscure glass
■ High performance energy efficient insulating glass:
  ■ Low-E 240 insulated glass with Argon Gas
  ■ Low-E 270 insulated glass with Argon Gas
  ■ Low-E 366 insulated glass with Argon Gas
  ■ Low-E 366 insulated glass with Argon Gas & NEAT®
■ Slip on nailing fin
■ Integral fin
■ Sizes: Commodity (TIP to TIP), Modular (DLO) and Custom
SH-3500: NON-IMPACT ALUMINUM SINGLE HUNG
FRAME ASSEMBLY

FRAME ASSEMBLY

1. Head
2. Sill
3. Jamb
4. Fixed Meeting Rail
5. Sash Assembly
6. Screen Adaptor
7. Screen Rail
8. Screen Corner Key
9. Screen Spline
10. Screen
11. Retractable Lift
12. Screen Spring
13. Woolpile
14. Sash Stop
15. Gasket
16. Gasket
17. Assembly Screw
18. Glazebead
SH-3500: NON-IMPACT ALUMINUM SINGLE HUNG
SASH ASSEMBLY

SASH ASSEMBLY

PW-4000/4500: NON-IMPACT 2" AND 3" ALUM FRAME PICTURE WINDOW MAX. SIZES

SIZES UP TO 144 x 48 WITH FAKE MULL ONLY

PW-4000/4500: AL 2" AND 3" FRAME PICTURE WINDOW MIN. SIZES

NOTES:
1) REFER TO INSTALLATION DETAILS FOR DESIGN PRESSURES AND INSTALLATION NOTES.
2) TEMP 84 x 96 MAX. DP = 90.
3) STANDARD GLASS THICKNESS IS 7/8" I.G.: (1/8" ANN.-AIR-1/8" ANN.) OR 7/8" I.G.: (3/16" ANN.-AIR-3/16" ANN.), BASED ON SIZE. SINGLE GLAZED ANNEALED BASED ON SIZE.
4) MINIMUM LEG HEIGHT IS 6".
5) UNIT DIAGONAL MUST BE AT LEAST 19.25" FOR TEMPERED AND LAMINATED UNITS.

TEMPERED OR LAMINATED

| 10" * MIN. TIP HEIGHT | 18 3/8" * MIN. TIP WIDTH |
| 8 3/4" MIN. DLO HEIGHT | 17 1/8" * MIN. UNIT WIDTH |
| 19 1/4" MIN. ALTERNATE DLO DIAGONAL LENGTH |

ANNEALED

| 11 1/4" MIN. TIP WIDTH |
| 10" MIN. DLO WIDTH |
| 7 1/4" MIN. TIP HEIGHT |
| 6" MIN. DLO HEIGHT |

USE MINIMUM SIZES SHOWN OR, ALTERNATIVELY, DIAGONAL MUST BE GREATER THAN 19.25": (UNIT WIDTH^2+UNIT HEIGHT^2)^(1/2) > 19.25".
HS-7000: NON-IMPACT ALUMINUM HORIZONTAL SLIDER
MAX. SIZES

"X/O/X" MAX. SIZE, DP +35/-35
(1/4-1/2-1/4)

"O/X & "X/O" MAX. SIZE

HS-7000: NON-IMPACT ALUMINUM HORIZONTAL SLIDER MIN. SIZES

13 1/4" MIN. TIP HEIGHT
12" MIN. DLO HEIGHT
17 7/8" MIN. DLO WIDTH
19 1/8" MIN. TIP WIDTH

NOTES:

1) REFER TO INSTALLATION DETAILS FOR DESIGN PRESSURE AND INSTALLATION NOTES.
2) UNLESS OTHERWISE NOTED, GLAZING IS 5/8" I.G.: (1/8" ANN., AIR-1/8" ANN.). SINGLE GLAZED = 1/8" ANN.
3) ALL XOX's GET MINIMUM 3/16" ANNEALED IN FIXED LITE.
4) HEAVY DUTY MEETING RAIL REQUIRES 5/8" I.G. (1/8" TEMP., AIR-1/8" TEMP.)

EQUAL SPLIT
HS-7000: NON-IMPACT ALUMINUM HORIZONTAL SLIDER
PROFILE VIEW

SPECIFICATIONS:
- Window frame and sash are 6063-T6 Aluminum
- 2” Outerframe
- Frame Colors: White, Solid Bronze and Solid Driftwood
- Tandem rollers with nylon wheels for quiet operation
- Removable sash for easy cleaning
- Windows over 30” wide receive 2 sweep locks
- Screens feature metal tabs for maximum durability
- Interlocking frame and sash for maximum weatherproofing
- Windows feature foam filled vinyl and fin woolpile
- Exterior glazing on all windows
- Double strength glass
- Commercially rated
- Windows are tested in accordance with AAMA/NWWDA 101/IS 2
- Test data available on our website (www.ews.cc)
- We proudly offer products that have earned the ENERGY STAR®

OPTIONS:
- Insulated glass (5/8” overall Annealed) (3/8” air space)
- Colonial insulated glass (see Common Grid Configurations)
- Tempered glass
- Popular glass tints and obscure glass
- High performance energy efficient insulating glass:
  - Low-E 240 insulated glass with Argon Gas
  - Low-E 270 insulated glass with Argon Gas
  - Low-E 366 insulated glass with Argon Gas
  - Low-E 366 insulated glass with Argon Gas & NEAT®
- Slip on nailing fin
- Integral fin
- Sizes: Commodity (TIP to TIP), Modular (DLO) and Custom

Note: Custom Window Systems, Inc reserves the right to change material design and/or construction without notice or liability.
<table>
<thead>
<tr>
<th>SASH ASSEMBLY</th>
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HS-7000: NON-IMPACT ALUMINUM HORIZONTAL SLIDER
MAX. SIZES

"X/O/X" MAX. SIZE, DP +35/-35
(1/4-1/2-1/4)

"O/X" & "X/O" MAX. SIZE

"X/O/X" MAX. SIZE, DP +35/-35
(1/4-1/2-1/4)

"O/X" & "X/O" MAX. SIZE

HS-7000: NON-IMPACT ALUM.
HORIZONTAL SLIDER MIN. SIZES

13 1/4"
MIN. TIP HEIGHT

12"
MIN. DLO HEIGHT

17 7/8"
MIN. DLO WIDTH

19 1/8"
MIN. TIP WIDTH

NOTES:

EQUAL SPLIT

1) REFER TO INSTALLATION DETAILS FOR DESIGN PRESSURES AND INSTALLATION NOTES.
3) ALL XOx's GET MINIMUM 3/16" ANNEALED IN FIXED LITE.
4) HEAVY DUTY MEETING RAIL REQUIRES 5/8" I.G.
(1/8" TEMP. - AIR-1/8" TEMP.)
SPECIFICATIONS:
- Window frame and sash are 6063-T6 Aluminum
- 2” Outerframe
- Frame Colors: White, Solid Bronze and Solid Driftwood
- Tandem rollers with nylon wheels for quiet operation
- Removable sash for easy cleaning
- Windows over 30” wide receive 2 sweep locks
- Screens feature metal tabs for maximum durability
- Interlocking frame and sash for maximum weatherproofing
- Windows feature foam filled vinyl and fin woolpile
- Exterior glazing on all windows
- Double strength glass
- Commercially rated
- Windows are tested in accordance with AAMA/NWWDA 101/IS 2
- Test data available on our website (www.ews.cc)
- We proudly offer products that have earned the ENERGY STAR®

OPTIONS:
- Insulated glass (5/8” overall Annealed) (3/8” air space)
- Colonial insulated glass (see Common Grid Configurations)
- Tempered glass
- Popular glass tints and obscure glass
- High performance energy efficient insulating glass:
  - Low-E 240 insulated glass with Argon Gas
  - Low-E 270 insulated glass with Argon Gas
  - Low-E 366 insulated glass with Argon Gas
  - Low-E 366 insulated glass with Argon Gas & NEAT®
- Slip on nailing fin
- Integral fin
- Sizes: Commodity (TIP to TIP), Modular (DLO) and Custom
**HS XOX-7000: NON-IMPACT ALUMINUM SLIDE PICTURE SLIDE FRAME ASSEMBLY**

**FRAME ASSEMBLY**

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<tr>
<td>5. Sash Assembly</td>
<td>10. Screen Spline</td>
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</tbody>
</table>
SASH ASSEMBLY

1. Meeting Rail
2. Pull Rail
3. Sash Rail
4. Sweep Lock
5. Sash End Cap
6. Glazebead
7. Woolpile
8. Assembly Screw
9. Bulb Vinyl
10. Tandem Roller
11. Rectangular Stop
12. Sweep Lock Screw
SGD-9200: NON-IMPACT ALUMINUM SLIDING GLASS DOOR
PROFILE VIEW

SPECIFICATIONS:
- Window frame and sash are 6063-T6 Aluminum
- Frame Colors: White and Solid Bronze
- Heavy Duty sill and guide rails
- Sturdy side jambs with fin woolpile for superior performance
- 3/16” tempered glass
- Steel rollers
- Heavy Duty box screen with nylon rollers
- Doors are tested in accordance with AAMA/NWWDA 101/1S 2
- Test data available on our website (www.cws.cc)

OPTIONS:
- Mortise lock system with metal handle
- Key lock
- Tandem rollers
- Stainless Steel Package
- Insulated glass (5/8” overall Tempered)
- Colonial insulated glass
- Popular glass tints and obscure glass
- High performance energy efficient insulating glass:
  - Low-E 240 insulated glass with Argon Gas
  - Low-E 270 insulated glass with Argon Gas
  - Low-E 366 insulated glass with Argon Gas
  - Low-E 366 insulated glass with Argon Gas & NEAT®
- Sizes: Standard and Custom

Note: Custom Windows & Doors reserves the right to change material design and/or construction without notice or liability.
SGD-9200: NON-IMPACT ALUMINUM SLIDING GLASS DOOR
PANEL ASSEMBLY

1. Top Rail
2. Bottom Rail
3. Lockstile
4. Heavy Duty Interlock
5. Marine Glazing
6. Diamond Skirting
7. Top Panel Screw
8. Bottom Panel Screw
9. Mortise Lock
10. Mortise Handle
11. Mortise Screw
12. Bumper
13. Woolpile
14. Roller
SGD-9200: NON-IMPACT ALUMINUM SLIDING GLASS DOOR
DOOR SILLS

EXTERIOR SILL

INTERIOR SILL

HIGHRISE ADAPTOR
VS-2200: NON-IMPACT ALUMINUM 4 TRACK VERTICAL SLIDING PANELS (Vinyl Pane)
4 TRACK SPRING I.S.M.
PROFILE VIEW

SPECIFICATIONS:
- Window frame is 6063-T6 Aluminum
- Vinyl track inserts
- Frame Colors:
  - ISM units—White and Solid Bronze
  - OSM units—White, Solid Bronze and Solid Driftwood
- Unique design allows for ventilation up to 70%
- Durable, weather resistant 10-mil vinyl
- Stainless fasteners
- Springload (available in ISM or OSM)
- Deluxe 2 Track door units also available in exact same structure as
  4 Track units with interlocking vents
- Golf Course friendly

OPTIONS:
- Vinyl Colors:
  - Clear
  - Bronze
  - Purple
  - Smoke Gray

Note: Custom Windows & Doors reserves the right to change material design and/or construction without notice or liability.
VS-2200: NON-IMPACT ALUMINUM 4 TRACK VERTICAL SLIDING PANELS (Vinyl Pane)
4 TRACK SPRING
FRAME ASSEMBLY

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**FRAME ASSEMBLY**

1. Head
2. Sill
3. Jamb
4. Deep Insert
5. Shallow Insert
6. Woolpile
7. Assembly Screw
8. Sash Assembly
2200: NON-IMPACT ALUMINUM VERTICAL SPRING VENT
VENT ASSEMBLY

VENT ASSEMBLY

1. Vent Top
2. Vent Bottom
3. Vent Sash
4. (A) Corner Key
5. (B) Corner Key
6. Assembly Screw
7. V-Spline
8. Spreader bar clip
9. Muntin
10. Vent Spring
HS-2200: NON-IMPACT ALUMINUM 2 TRACK HORIZONTAL SLIDING PANELS (Vinyl Pane)
PROFILE VIEW

SPECIFICATIONS:
- Window frame is 6063-T6 Aluminum
- Frame Colors:
  - ISM units—White and Solid Bronze
  - OSM units—White, Solid Bronze and Solid Driftwood
- Removable panels
- Durable, weather resistant 10-mil vinyl
- Stainless fasteners
- Golf Course friendly

OPTIONS:
- Vinyl Colors:
  - Clear
  - Bronze
  - Purple
  - Smoke Gray

Note: Custom Windows & Doors reserves the right to change material design and/or construction without notice or liability.

2 TRACK HORIZONTAL VINYL O.S.M.
HS-2200: NON-IMPACT ALUMINUM 4 TRACK HORIZONTAL SLIDING PANELS (Vinyl Pane)  
PROFILE VIEW

SPECIFICATIONS:
- Window frame is 6063-T6 Aluminum
- Frame Colors: White and Solid Bronze
- Removable panels
- Durable, weather resistant 10-mil vinyl
- Stainless fasteners
- Golf Course friendly

OPTIONS:
- Vinyl Colors:
  - Clear
  - Bronze
  - Purple
  - Smoke Gray

Note: Custom Windows & Doors reserves the right to change material design and/or construction without notice or liability.
HS-2200: NON-IMPACT ALUMINUM 4 TRACK HORIZONTAL SLIDING PANELS (Vinyl Pane)
FRAME ASSEMBLY

FRAME ASSEMBLY
1. Head
2. Sill
3. Jamb
4. Vent Assembly
5. Assembly Screw
6. Come A Long
7. Come A Long Screw
8. Cam Lock
9. Cam Lock Screw
2200: NON-IMPACT ALUMINUM HORIZONTAL VENT
VENT ASSEMBLY

VENT ASSEMBLY

1. Head 4. Large Corner Key
2. Sill 5. Roller
7. V Spline
8. Assembly Screw
HS-5200: NON-IMPACT ALUMINUM HORIZONTAL SLIDING PANELS (Acrylic)
ACRYLIC I.S.M.
PROFILE VIEW

SPECIFICATIONS:
- Window frame is 6063-T6 Aluminum
- 3” Integral fin outerframe
- Frame Colors: White and Solid Bronze
- 1 1/2” diameter nylon roller for quiet operation
- Removable sash
- Fin woolpile
- Specially designed locking system

OPTIONS:
- Acrylic Colors:
  - Clear
  - Bronze
  - Gray

Note: Custom Windows & Doors reserves the right to change material design and/or construction without notice or liability.
HS-5200: NON-IMPACT ALUMINUM HORIZONTAL SLIDER (Acrylic)
ACRYLIC I.S.M.
FRAME ASSEMBLY

1. Head
2. Sill
3. Jamb
4. Keeper
5. Gasket
6. Weep Cover
7. Assembly Screw
8. Woolpile
9. Sash Assembly
HS-5200: NON-IMPACT ALUMINUM HORIZONTAL SLIDING PANELS (Acrylic)
ACRYLIC O.S.M. WITH SCREENS
PROFILE VIEW

SPECIFICATIONS:
- Window frame is 6063-T6 Aluminum
- 3” Integral fin outerframe
- Frame Colors: White and Solid Bronze
- 1 1/2” diameter nylon roller for quiet operation
- Removable sash
- Removable screens
- Fin woolpile
- Specially designed locking system

OPTIONS:
- 4MM Acrylic Colors:
  - Clear
  - Bronze
  - Gray

Note: Custom Windows & Doors reserves the right to change material design and/or construction without notice or liability.
HS-5200: NON-IMPACT ALUMINUM HORIZONTAL SLIDING PANELS (Acrylic)
ACRYLIC O.S.M. WITH SPLINE GROOVE
PROFILE VIEW

SPECIFICATIONS:
- Window frame is 6063-T6 Aluminum
- 3” Integral fin outerframe
- Frame Colors: White and Solid Bronze
- 1 1/2” diameter nylon roller for quiet operation
- Removable sash
- Fully screened unit
- Fin woolpile
- Specially designed locking system

OPTIONS:
- 4MM Acrylic Colors:
  - Clear
  - Bronze
  - Gray

Note: Custom Windows & Doors reserves the right to change material design and/or construction without notice or liability.
HS-5200: NON-IMPACT ALUMINUM HORIZONTAL SLIDER (Acrylic)
ACRYLIC SPLINE GROOVE
FRAME ASSEMBLY

1. Meeting Rail
2. Pull Rail
3. Sash Rail
4. Sweep Lock
5. Sash End Cap
6. Glazebead
7. Woolpile
8. Assembly Screw
9. Bulb Vinyl
10. Balancer
11. Sweep Lock Screw
HS-5200: NON-IMPACT ALUMINUM HORIZONTAL SLIDER (Acrylic)

PANEL ASSEMBLY

1. Top Rail
2. Bottom Rail
3. Lockstile
4. Interlock
5. Lock
6. Roller
7. Diamond Skirting
8. Woolpile
9. Acrylic Insert
10. Bottom Screw
11. Top Screw
12. Bumper
FRAME ASSEMBLY

1. Head
2. Sill
3. Threshold
4. Jamb
5. Cam Lock
6. Come A Long
7. Assembly Screw
GDS-THE CONVERTIBLE: NON-IMPACT ALUMINUM GARAGE SCREEN DOOR VENT
VENT ASSEMBLY

VENT ASSEMBLY

1. Head
2. Sill
3. Jamb
4. Center Bar
5. Kick Panel Bar
6. Kick Panel
7. Kick Panel Spline
8. Small Insert
9. Large Corner Key
10. Assembly Screw
11. Woolpile
12. V Spline
13. Deluxe Roller Assembly
14. Roller Screw