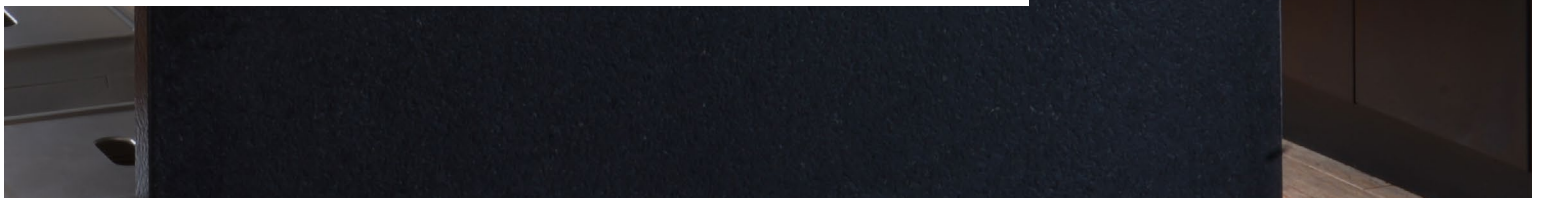




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**EUROPEAN-STYLE WINDOWS & DOORS**  
Canadian Line 4501

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# SYSTEM 4501: THE ALL-ROUND TALENT

Design. Versatility. Performance.

Top Performance, Intelligent Design, Timeless Style: Hallmark of the **Canadian Line 4501** window and door designs. They are engineered to perform. They are beautiful, durable, energy efficient and available in an extensive variety of styles, colors and configurations.



## **Fusion-welded corners**

In addition to the benefits of uPVCs thermal properties, REHAU's fusion-welded corners greatly reduce leakage potential and the need for costly sill pans/pan flashing systems.



## **Steel reinforcement**

Euro-Window's sophisticated multi-chambered designs accommodate steel reinforcement and allow for big window elements. This, in turn, provides greater daylight openings and brighter interior designs.



## **Compression-seal technology**

When the wind is blowing strong and rain is pouring down, compression seals are optimizing the air and water performance of Euro-Window's windows and doors.



## **Multiple locking points**

Multi-point locking hardware assures consistent compression on the seals all around the perimeter of the sash and frame for further performance enhancements and improved security.



## **High-definition finish**

Only occasional cleaning with soap and water is needed to keep the surfaces looking like new, even years after installation.



© DAS Architects & Halkin Mason Photography





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## TILT-TURN WINDOWS

Unique operation and unmatched performance

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Canadian Line 4501 window designs offer a very unique product for large openings in both residential and commercial markets. The versatile design is three windows in one: A secure top-venting hopper in the tilt position, an inward opening casement in the turn position and a tightly sealed picture window when closed for outstanding thermal and acoustical performance.

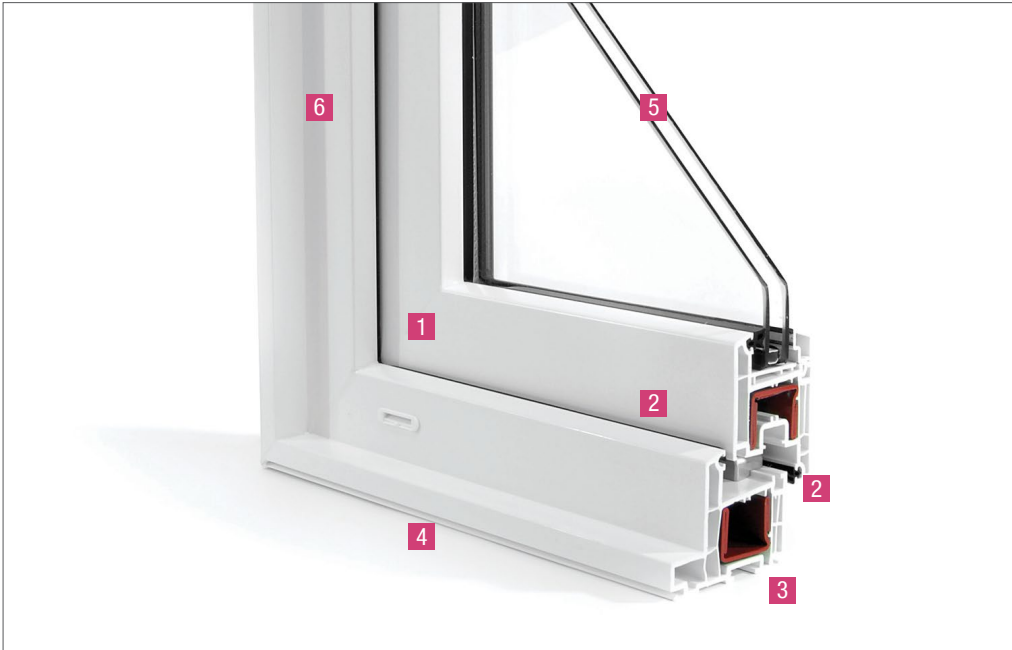
With the Canadian Line 4501, tilt-turn, awning, hopper and fixed configurations are possible. Matching doors in a variety of configurations are available.

Some of North America's highest performing window units are produced using the Euro Windows **Canadian Line 4501**.



# Canadian Line 4501: TILT-TURN WINDOWS

Unique operation & unmatched performance



- 1 Unique tilt-turn hardware**  
Operates in both top-venting and inward-swinging positions
- 2 Multiple locking points and dual weather seals**  
Provide optimal air and water tightness
- 3 Large chambers**  
Accommodate reinforcements required for large openings in heavy commercial applications
- 4 Accessory groove**  
Accepts a variety of accessories such as brickmolds, extension jambs and profiles to couple window elements
- 5 Up to 1 3/8" (35 mm) glass**  
Increases energy efficiency and acoustical properties
- 6 3 1/4" (83 mm) North American frame depth**  
Allows for hassle-free replacement installation; we also offer the 2 3/8" (60 mm) European frame



Tilt-turn designs are three window styles in one: a secure top-venting hopper in the tilt position, an inward opening casement in the turn position and a tightly sealed fixed window when closed.

**System 4501 comes in a variety of different colors:** Whether you are looking for a change from white with a different core profile color or something totally unique such as modern solid foil on the window exterior with a wood look on the interior, our color options offer something for every taste.



## Performance Summary

NAFS: up to Class CW-PG95  
STC: up to 41 dB  
U-factor: down to 0.18\*

\* based on simulation



The  
Classic

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## SWING DOORS

Total flexibility and classic beauty

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Few designs are more classic or have as many different uses as swing doors. System 4501 swing doors are offered as a single sash creating a beautiful main entrance or as dual sash, also referred to as French doors that elegantly connect the indoors with the outdoors. These versatile doors can be used for patio, deck or balcony access as well as entry doors.

The System 4501 swing door design offers an attractive solution for both residential and commercial applications. Matching fixed and operable windows can be paired with this door as top and side lites allowing for the greatest design flexibility.

With the System 4501 swing door design, single inswing and outswing as well as double inswing and outswing configurations are possible.

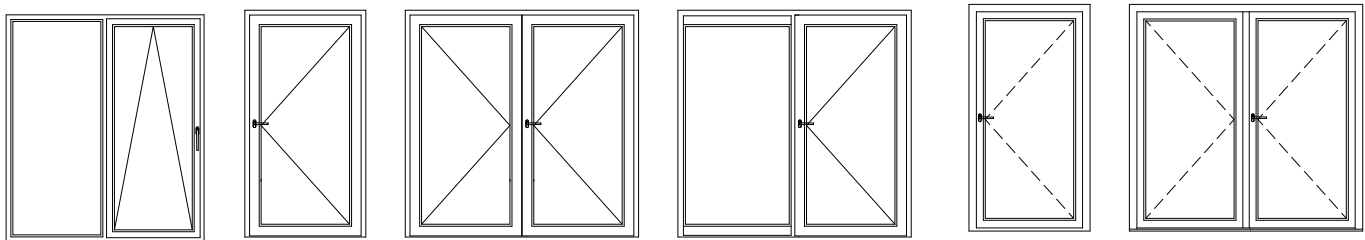
Canadian Line 4501: SWING DOORS

Total flexibility & classic beauty



Unique PVC corner blocks connect steel reinforcement keeping hinged door corners in-square for long-term, trouble-free operation. Outward opening (left) and inward opening (right) styles meet a variety of design requirements.

- 1 Frame profiles with different depths**  
Provide flexibility for new construction and replacement applications
- 2 Multiple locking points and compression seals all around the sash perimeter**  
Provide high water performance, minimal air infiltration, security and good sound insulation
- 3 Large reinforcement chambers in the sash**  
Allow for sash sizes as large as 8 ft (2.4 m) high and 3.5 ft (1.1 m) wide for single doors and 3 ft (0.9 m) wide for French doors
- 4 High quality hardware**  
Operates quietly and effortlessly
- 5 Large glazing capacity, including special high-performance glass of 1 3/8" (35 mm) in thickness**  
Improves energy efficiency and acoustical properties
- 6 Weldable corner joints in the sash profiles**  
Strengthen the door panel against distortion and provide long-term, smooth operation



**Design flexibility:** Hinged doors can be built as single as well as French doors, either inward or outward opening. They can easily be combined with top and side lites or even operable windows, providing the utmost design flexibility.



Performance Summary

<b>Outward Opening – Single Door</b> NAFS: up to LC-PG80 STC: up to 38 dB U-factor: down to 0.24*	<b>Outward Opening – French Door</b> NAFS: up to LC-PG35 STC: up to 38 dB U-factor: down to 0.24*	<b>Inward Opening – Single Door</b> NAFS: up to LC-PG40 STC: up to 40 dB U-factor: down to 0.24*	<b>Inward Opening – French Door</b> NAFS: up to LC-PG40 STC: up to 40 dB U-factor: down to 0.24*
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\* based on simulation





The  
Innovator

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## TILT-SLIDE DOORS

Contemporary style and versatile functionality

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Canadian Line 4501 tilt-slide doors are an innovative door solution for spaces that do not allow for traditional in-swing doors.

With just a simple turn of a handle, the door sash can be tilted providing secure ventilation. With another turn, the sash slides open parallel to the fixed unit, not into the room, for space-saving functionality. The high-quality European hardware system operates quietly and easily.

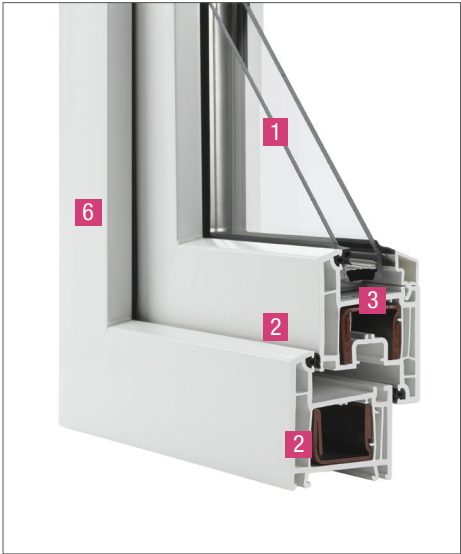
Optimal profile design and compression-seal technology contribute to outstanding performance.

Matching fixed and operable windows can be paired with this door as top and side lites allowing for the greatest design flexibility.



# Canadian Line 4501: TILT-SLIDE DOORS

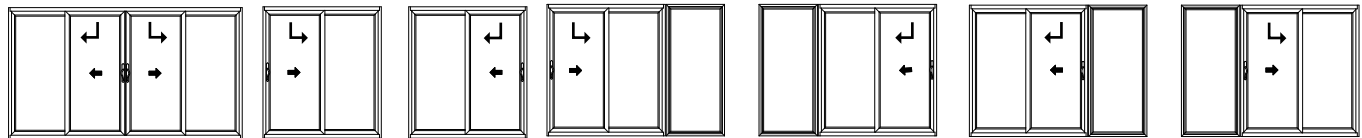
Contemporary style & versatile functionality



**Large chambers** accommodate robust reinforcements required in heavy commercial applications. **Innovative runner mechanism** provides smooth projection of the sash which easily and precisely slides to any desired position.

- 1 Large glazing capacity, including special high-performance glass up to 1 3/8" (35 mm) in thickness**  
Improves energy efficiency and acoustical properties
- 2 Four-chambered sashes and frames**  
Provide high energy efficiency
- 3 Large reinforcement chambers in the sash**  
Allow for sash sizes as large as 8 ft (2.4 m) high and 5 ft (1.5 m) wide up to a weight of 260 lbs (120 kg)
- 4 High quality hardware**  
Operates effortlessly and quietly
- 5 Multiple locking points and compression seals all around the sash perimeter**  
Provide high water performance, minimal air infiltration, security and good sound insulation
- 6 Frame profiles with different depths**  
Provide flexibility for new construction and replacement applications

**Tilt Sash Function for Ventilation in a Secured Position:** High-quality tilt-slide hardware allows a vent position, where the top of the sash tilts toward the inside of the room, but cannot be opened from the outside, providing security on the inside.



## Performance Summary

NAFS: up to CW-PG55  
STC: up to 40 dB  
U-factor: down to 0.20\*

\* based on simulation





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## BI-FOLD DOORS

Impressive extravagance and uninterrupted living

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System 4501 bi-fold doors are a luxurious solution for spaces that need a wide, unobstructed opening. They can be an alternative to hinged and sliding patio doors, but can also be used to accentuate open-plan living.

Whether for residential or commercial applications, this unique door design allows sash panels to fold to either side, creating a wide opening without any interruption.

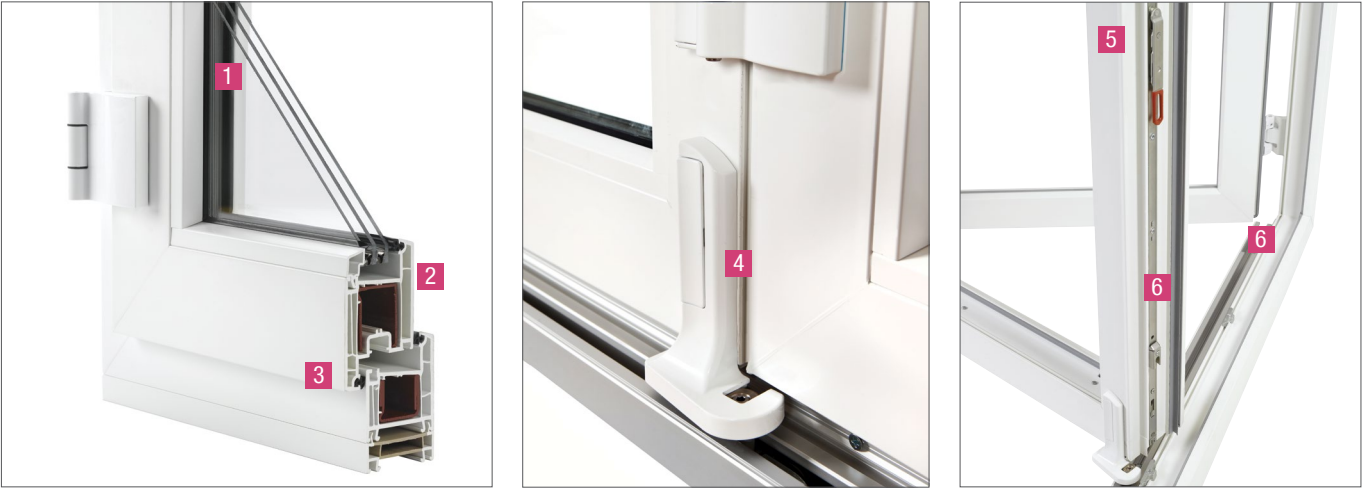
This beautiful door design uses compression-seal technology for superior sound, air and water performance.

System 4501 bi-fold doors can easily be matched with a variety of window configurations.

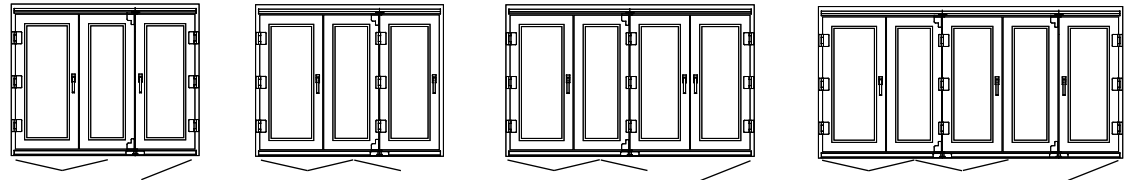


# Canadian Line 4501: BI-FOLD DOORS

Impressive extravagance & uninterrupted living



- 1 Large glazing capacity of up to 1 3/8" (35 mm) in thickness**  
Improves energy efficiency and acoustical properties
- 2 Large reinforcement chambers in the sash**  
Allow for sash sizes as large as 7.5 ft (2.3 m) high and 3 ft (0.9 m) wide, weighing up to 175 lbs (80 kg)
- 3 Four-chambered sashes and frames**  
Provide high energy efficiency
- 4 High-quality hardware**  
Operates quietly and effortlessly
- 5 Lever-locking mechanism**  
Securely closes the end panel of the bi-folding sashes
- 6 Multiple locking points and compression seals all around the sash perimeter**  
Provide water tightness, minimal air infiltration, security and good sound insulation



**Structural T-mullions:** Allow doors to be configured with up to five panels and an overall width of 15 ft (4.5 m).



## Performance Summary

NAFS: up to LC-PG25





Not all  
vinyl is  
equal

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## THE SECRET IS THE FORMULATION

Better formulation = better durability

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REHAU's proprietary uPVC formulation and extrusion process produces superior window systems that outlast and outperform alternative materials like aluminum and wood-clad products. Those corrode and rot from exposure to weather and pollution.

REHAU's formula includes above-average quantities of  $\text{TiO}_2$ , stabilizers and impact modifiers to protect against fading from solar radiation. When put through five years of weather testing in Arizona, this formula showed its strength; REHAU uPVC performed better than standard vinyl.

Our unique uPVC formula also results in a higher than average surface gloss level. This enhanced the ability of REHAU window systems to repel dirt and retain their color.



# Canadian Line 4501: THE ALL-ROUND TALENT

## DESIGN. VERSATILITY. PERFORMANCE.

### Save energy easily: With better thermal performance.

Reducing energy usage is important. Not just for the occupant's wallet but also on a larger scale when it comes to sustainable building. **Lower energy consumption with a good conscience – whether it's cold or hot outside.**

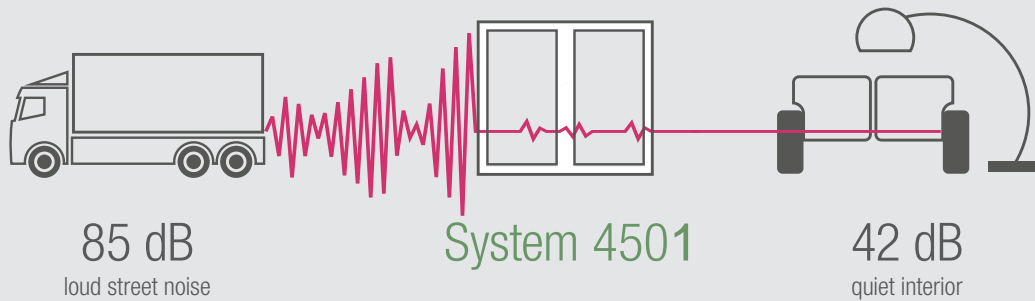
	System 4501 Windows	System 4501 Doors
U-value Standard (dual pane, low-E)	0.28	0.30
U-value Advanced (triple pane, low-E)	0.20	0.24

### Minimize maintenance: With ease of operation, ease of cleaning.

Thanks to a high-quality, high-definition finish (HDF), smudges can be quickly and easily removed using conventional detergents. As far as maintenance, the occasional application of a quality lubricant to the moving parts, such as hinges and lock mechanisms, is all that is needed. The newly developed sealing technology assures optimal closing pressure. Due to advanced engineering and close cooperation with hardware suppliers, window and door operation is smooth and easy. **Reduce maintenance and cleaning effort to a minimum.**

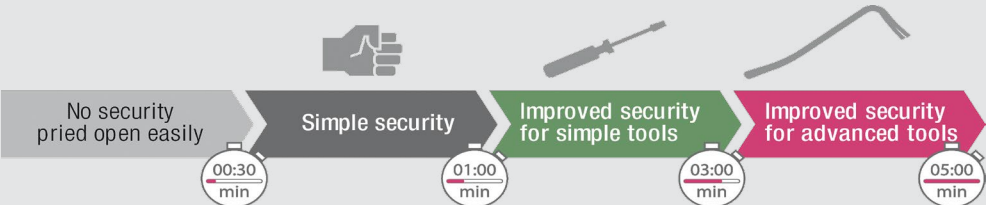
### Ensure peace and quiet: With a view on mute.

Noise is disturbing and over time, it is even unhealthy. **Increase occupants' feeling of well-being with the previously unattained values in noise protection.**



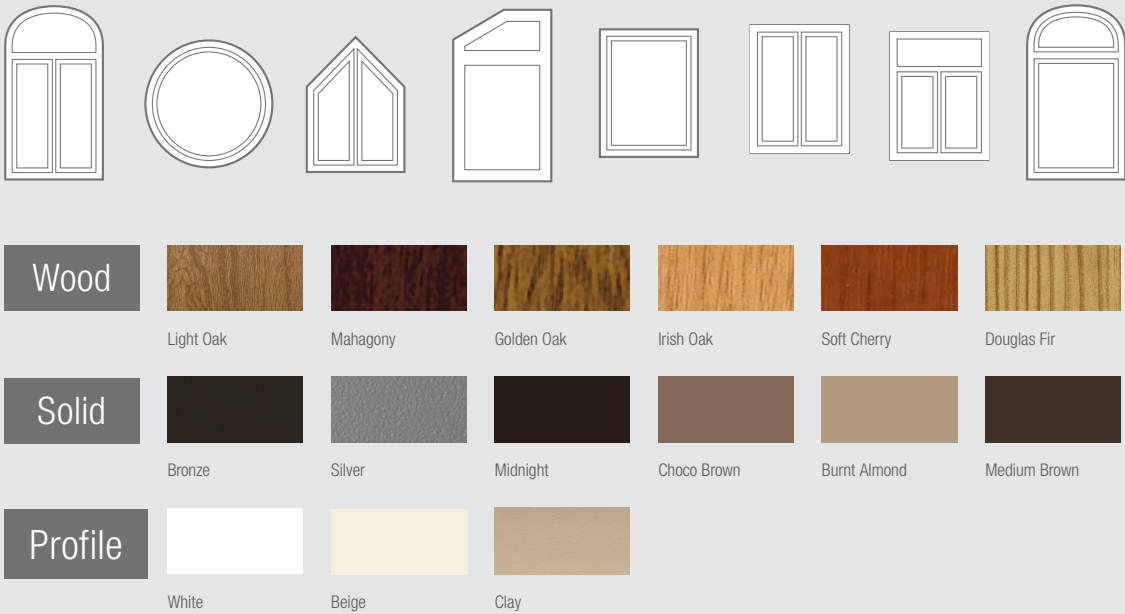
### Trust high levels of safety: With superior security features.

In combination with the appropriate hardware, System 4500 windows and doors enhance security with multiple locking points, fusion-welded corners and steel-reinforced, multi-chambered design. **Enjoy the security you are looking for.**



### Experience creative freedom: With countless shapes and colors.

System 4500 allows for a wide choice of customized shapes, e.g., round, half-round, triangular, rake-top, ellipsoidal windows. In addition, extensive design variations with brilliant colors and patterns will liven up any building interior and exterior. **Get creative with countless design options.**







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