



## Safety boots not required

### **TILT'N'SLIDE™**

#### Get superior flexibility and safety with Tilt'N'Slide™

*Tilt'N'Slide is the original tilt-slider hardware, and is still the safest, most reliable and trustworthy hardware available to fabricators today.*

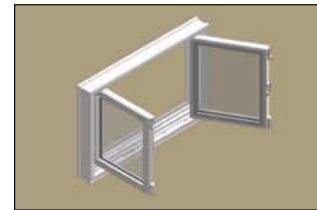
*Preferred Engineering Products' award-winning Tilt'N'Slide window hardware system is the first system designed to allow double or single hung tilt profiles to be successfully converted to build double or single tilt-in sliders.*

*The Tilt'N'Slide design allows the sashes to be locked to the frame and swung into the room for safe easy cleaning of the exterior glass from inside the house. Homeowners can breathe easy because one, two or even three sashes can be tilted into the home for almost full frame ventilation, and providing peace of mind in an emergency situation for fast and easy egress.*

*Not all tilt-in window hardware is created equal. Tilt'N'Slide is the safest tilt-in hardware on the market today. Only Tilt'N'Slide securely locks the sash to the frame by means of a precision engineered caliper brake system before the sash can be tilted. This positive caliper locking system essentially freezes the pivot bars in position allowing the sash to safely swing inwards, without any fear of it falling from the frame and injuring the homeowner. This safety feature also eliminates liability issues for the manufacturer and allows much larger than normal sashes to be built.*

*Unlike Tilt'N'Slide, other systems use an expansion or friction mechanism that applies pressure between a cam shoe and the frame. These systems use plastics for their braking devices which tend to be slippery and make friction difficult. Friction-based systems require the window to tilt inwards in order to engage the cam, leaving a period of time where the sash is in a precarious unsupported position and could fall out of the frame. Because the sash is not supported, it can drag across the frame, damaging the weather seal and impairing the performance of the window.*

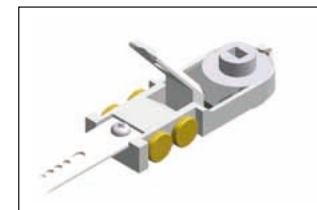
- A tilt window that could fall on your toe
- A tilt window that's always totally secure



Easy tilt-in action



Positive caliper brake



Optional anti-swing lock

**preferred**  
Engineering Products Ltd.

The Tilt'N'Slide system is manufactured of high quality materials in a modular structure that can be custom fitted to almost any profile. Parking blocks integrated on top of the carrier shoes support the sash and distribute its weight evenly. The unique carrier shoe system integrates brass quad rollers which glide effortlessly inside the track and maintain the sash at a constant height from the sill, protecting the weather seal from damage.

An optional anti-swing lock made of high-performance DuPont™ Delrin® holds the sash in the fully tilted-in position, permitting maximum ventilation with no risk of the sash closing unexpectedly.

### Benefits of Tilt'N'Slide™

#### Window Manufacturers

- Can be incorporated into existing double or single hung tilt profiles, so there's no need to re-tool
- Increased profits: Ease of assembly means increased worker productivity
- Brass quad-roller design keeps sash at a constant height, maintaining weather seal integrity
- Caliper lock safely permits sash sizes up to 48" X 72"
- Can be built with up to three operating tilt sashes
- Features and safety aspects make Tilt'N'Slide desirable to homeowners
- Available in: White, Blue White, Brown, Beige and Bronze
- Limited lifetime warranty
- Tested to ensure continued performance for over 40 years
- Marketing support and training

#### Dealers and Distributors

- Product differentiation
- Functionality and safety features make windows with Tilt'N'Slide hardware more desirable to homeowners
- Quality of manufacture and ease of operation virtually eliminates service calls
- Increased margins with premium product

#### Homeowners

- Safest tilt-in window hardware on the market
- Window is firmly locked in position with a caliper brake before tilting inwards; sash sag is eliminated preserving the weather seal from damage
- Swing-in feature allows for easy cleaning, emergency exits, and maximizes ventilation
- Anti-swing feature stops tilted sash from being moved by the wind
- Brass long life quad-roller system maintains the sash at a constant height, reducing wear to the weather seal and preserving performance

## The System of Choice

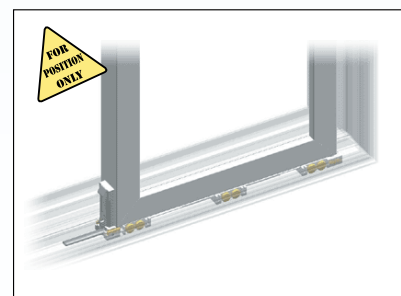
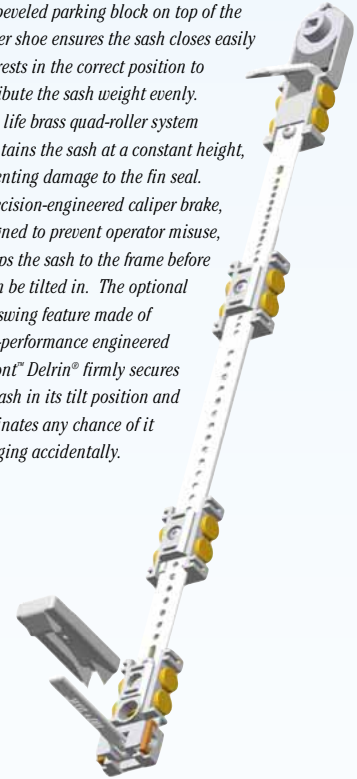
Window manufacturers choose Tilt'N'Slide for profitability, quick assembly and increased competitiveness. Tilt'N'Slide can be custom built from modular components to fit almost any double hung tilt profile, so there's no need to re-tool your production lines or develop new extrusions. In fact, Preferred Engineering can supply assembly and drill jigs so you can begin production of Tilt'N'Slide windows almost immediately.

Preferred Engineering offers step-by-step instructions with the Tilt'N'Slide video and assembly manual. The engineering group is available to work through the details to develop the correct component fit and to build a drainage model for your frame profile. Product trouble-shooting, complete state-of-the-art 3D computer modeling and in-house testing facilities are all available to help you give your customers maximum performance, quickly and cost-effectively.

At Preferred Engineering, we're committed to providing innovative solutions to your window hardware problems. Contact us today to find out how we can help you make the right choice.

### How it works

The beveled parking block on top of the carrier shoe ensures the sash closes easily and rests in the correct position to distribute the sash weight evenly. Long life brass quad-roller system maintains the sash at a constant height, preventing damage to the fin seal. A precision-engineered caliper brake, designed to prevent operator misuse, clamps the sash to the frame before it can be tilted in. The optional anti-swing feature made of high-performance engineered DuPont™ Delrin® firmly secures the sash in its tilt position and eliminates any chance of it swinging accidentally.



We'll help you build the window that people prefer

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