

Safety and comfort devices for retractable insect screens



aqus
comfort & safety tools

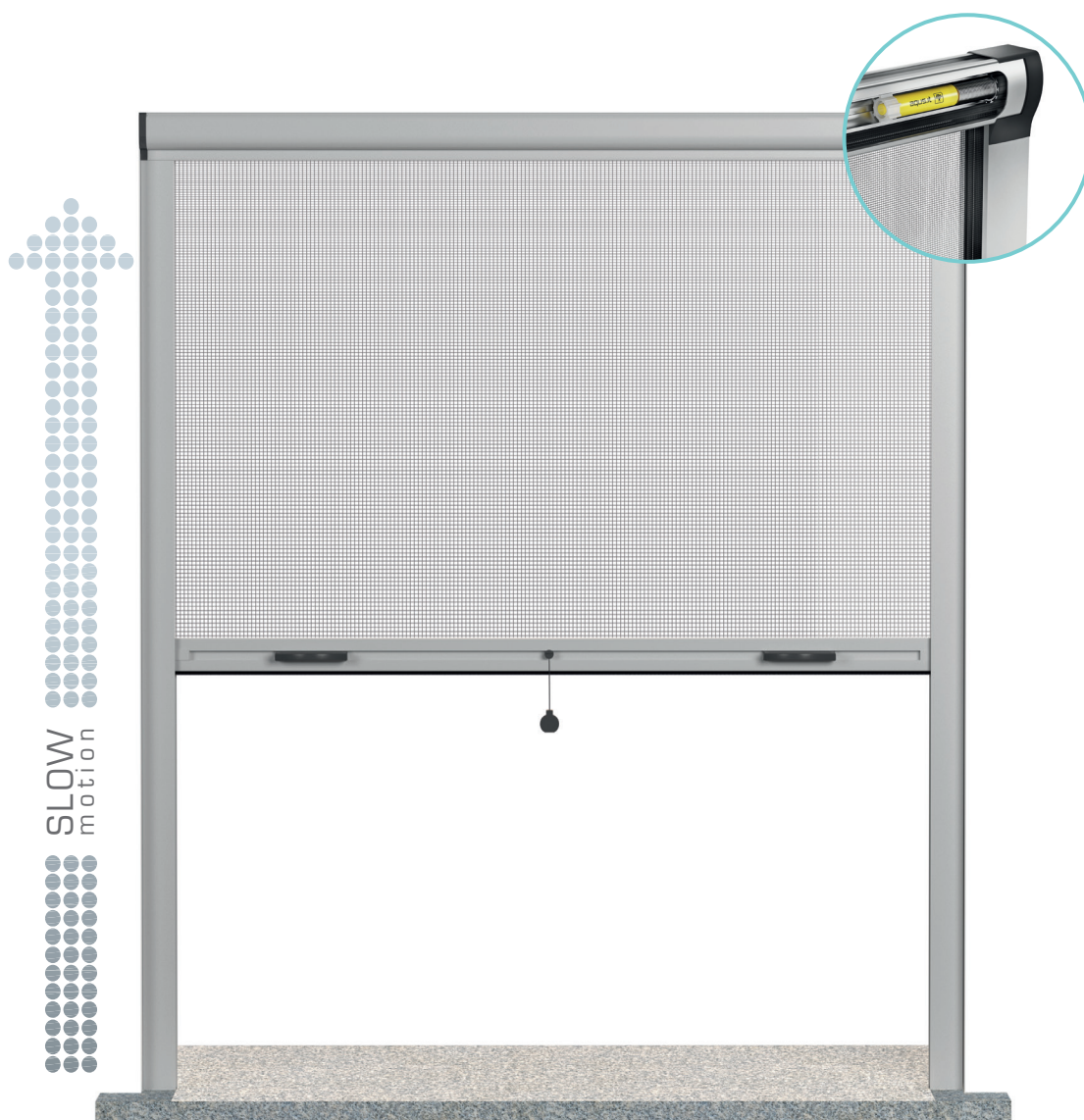
Braking Device

Smooth and controlled rewinding



Aqus is a universal viscodynamic braking device designed to enhance the performance and the perceived quality of retractable insect screens and roller blinds systems.

Fully integrated into the system, it ensures controlled, smooth and silent rewinding, eliminating the need to manually guide the screen during closing. A smart technical solution that improves comfort, safety and long-term durability.

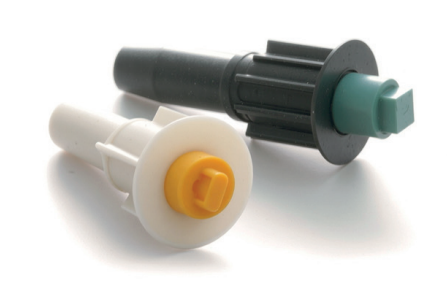


WATCH THE VIDEO



Spring preloading device

Safe and controlled adjustment



The Aqus spring preloading device simplifies one of the most delicate stages in the manufacturing and installation of retractable insect screens added to the roller shutters cassettes: the spring loading.

A technical accessory designed to optimize the production processes and improve the overall safety of the system.



WATCH THE VIDEO





Safety you can feel, value you can trust

A device designed to make everyday operation easier, safer and more reliable.



Enhanced safety for all users

The controlled retraction prevents brusque closing and reduces risks caused by spring snap-back, improving safety in residential environments.



Supports compliance with safety standards

The braking device increases the overall safety level of the system and helps meet current regulatory requirements.



Superior user comfort

The difference is immediately perceptible: no sudden noise and no need to guide the screen by hand. The movement is smooth, controlled and consistently reliable over time.



Extended durability and wide compatibility

The reduced mechanical stress minimizes wear on components and system structure. Compatible with most insect screens and roller blinds systems, with wide custom configurations available.



Added value with minimal cost impact

A clear improvement in perceived quality with very limited cost increase - an accessible upgrade that enhances the competitiveness of the final product.

A solution tailored to your technical requirements

The choice of the most suitable braking device depends upon several key technical parameters.



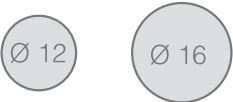
■ **Braking direction**

Depends on the installation position of the braking unit.



■ **Housing diameter**

Determined by the roller tube diameter.



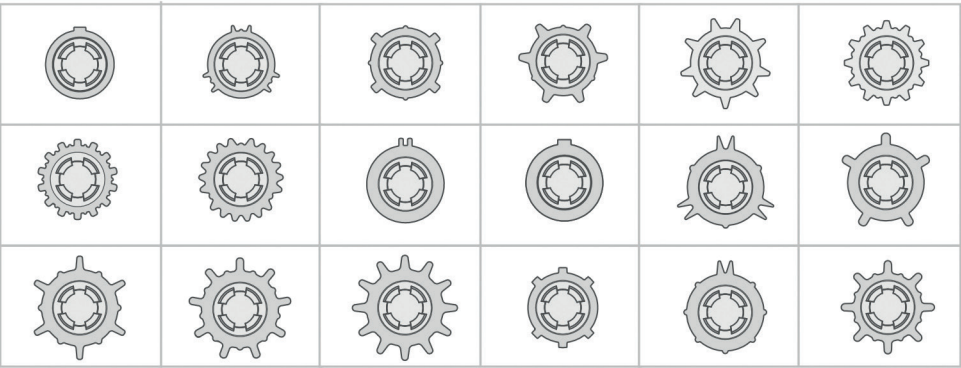
■ **Braking force**

Defined according to the screen size and the return spring tension.

+ —						
brown	pink	yellow	grey	bordeaux	red	beige

■ **Adapters**

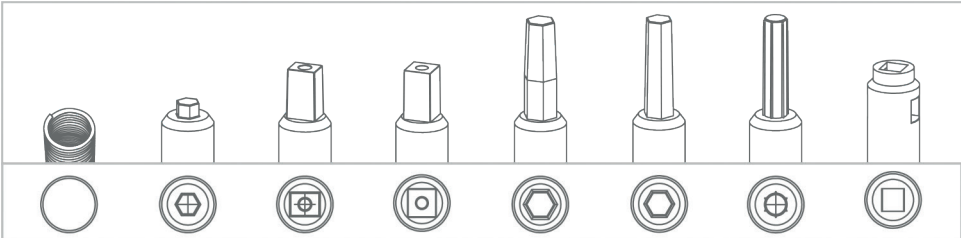
Adapted to the tube profile section.



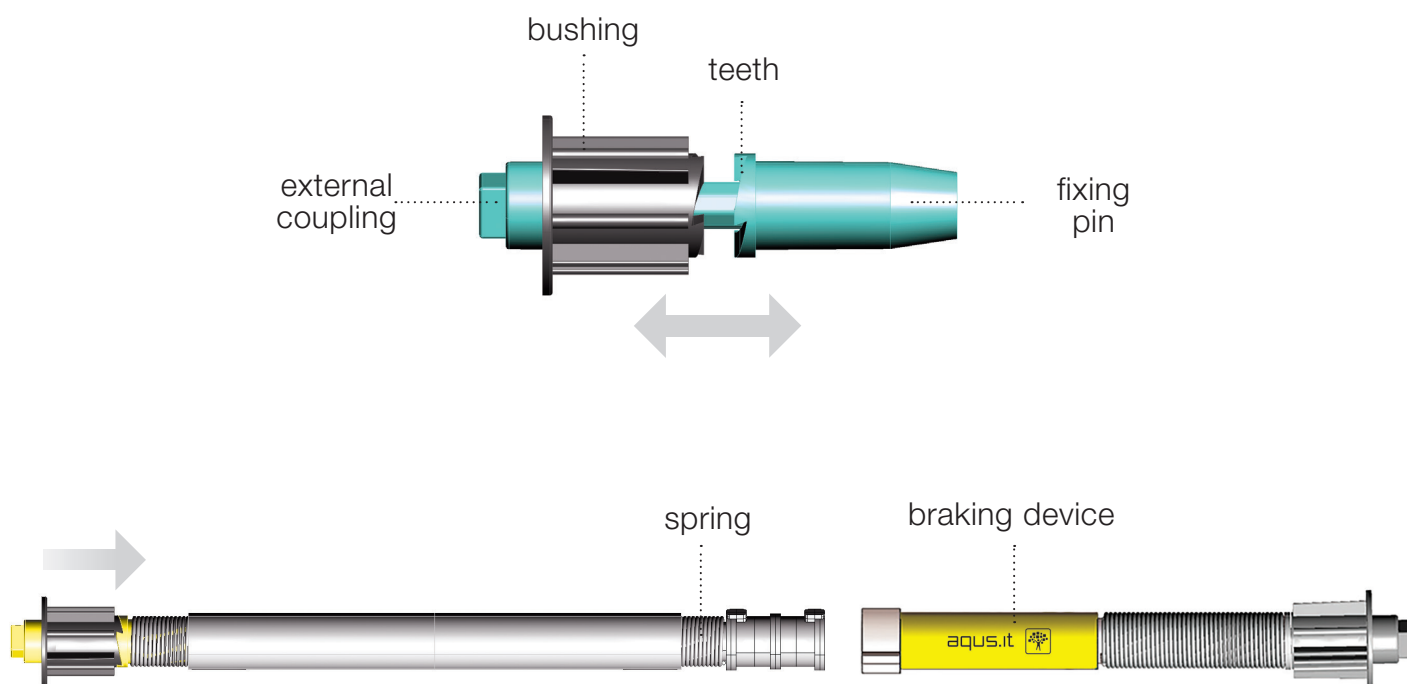
Customized sections are available upon request.

■ **Coupling connectors**

It varies depending upon the possible insertion of the device into the end cap on the opposite side of the return spring.



Customized couplings are available upon request.



Simple adjustment, safer operations

A device that simplifies the spring tensioning process, making every operation faster, safer and more precise.



Quick and safe installation

Reduces production time and increases safety thanks to the possibility of pre-loading the spring before inserting it into the roller shutter box.



Consistent reliability over time

Ensures the correct spring tension, protecting the system from wear and malfunctions.

Two-stage spring preloading

Where complex and potentially risky operations were once required, now only two simple steps are needed - resulting in a significant saving of time and effort.

Patent No. 2.286.053

1 Inserting the device into the roller tube



Insert the neutral device with the added brake



Insert the spring preloading device on the opposite side

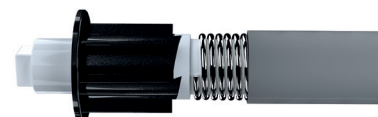
2 Adjust the return spring tension



Load the spring by rotating the pin of the preloading device; the toothed ratchet mechanism locks the spring in place and maintains the number of preloaded turns you have set.

Installation and activation

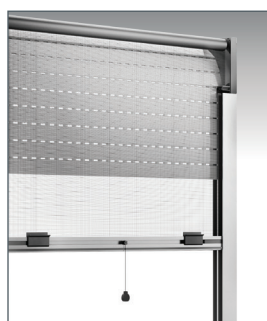
Once the roller tube is inserted into the roller shutter cassette, the device automatically disengages, activating the spring and making the system immediately ready for operation.



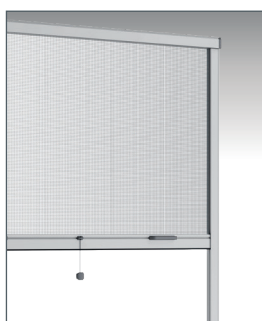
Locking during disassembly

In case of removal of the roller tube with the flyscreen mesh, the device automatically locks back the spring retraction, ensuring maximum safety during maintenance or servicing.

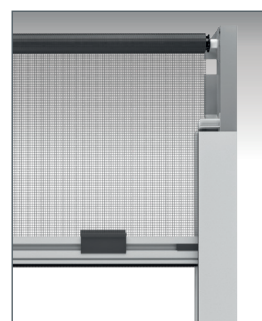
Applications



Combined insect screen + roller shutter systems



Retractable insect screens



Combined insect screen + roller shutter systems

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