



Hidden Hinge System  
Elegance Is Hidden In Details



WINDOW & DOOR SYSTEMS





## More Esthetic Places With Hidden Hinge System

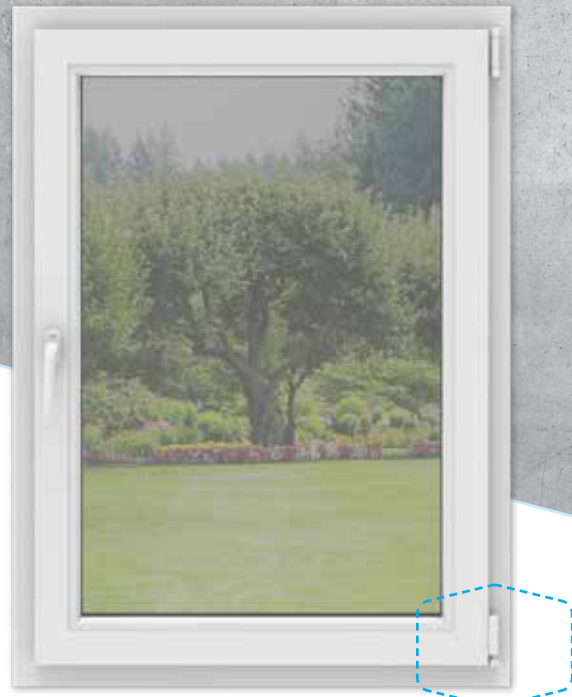
The Hidden Hinge System, which is developed for the aesthetic appearance, adds elegance to the living spaces.

Fully integrated into the frame, all components of the Hidden Hinge System are concealed in the case and in the wing.

The windows have more aesthetic look as hinges and covers can not be seen through outside for those who value aesthetic appearance in their living spaces, Vorne presents the Hidden Hinge System. All the components of the Hidden Hinge system are integrated with the Window frame. System components are not visible from outside and they are hidden in the inside of Frame and Sash Profiles. Apart from the window handle, no system components such as hinges, covers which are disturbing to the eye, are not visible and the aesthetic harmony is achieved in living spaces.





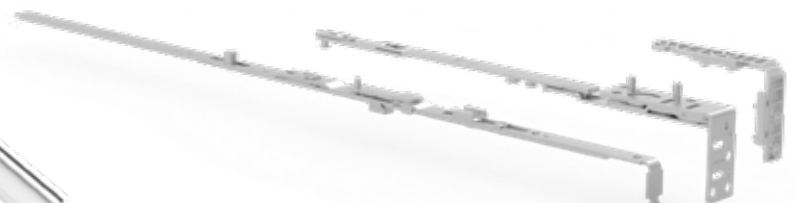
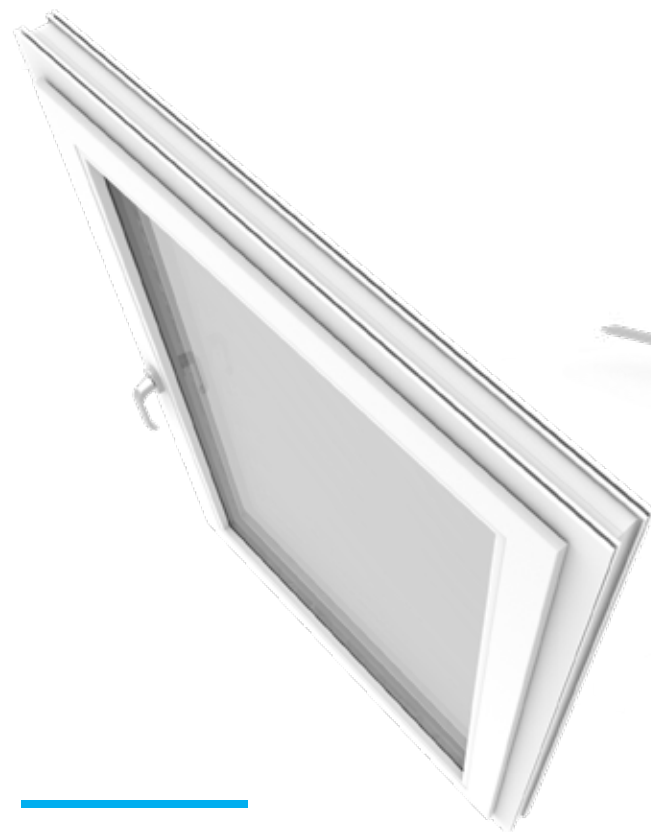


Classic Hinge System



Hidden Hinge System

- Aesthetics
- Security
- Ease of Installation
- Sealing
- Coating



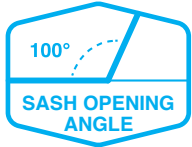
## Safe Living Areas

Hidden Hinges are essential for window interior systems that enhance safety. These hinges provide maximum protection against theft. Security pins located in the Hidden Hinge System are designed to increase the safety of the living areas with the security pin on the upper tilt&turn hinge and the integrated pin on the upper tilt&turn hinge again. Hinges which are hidden in the Profile are provides extra security against to thievery. Security pin which is located on Top Stay Hinge and again integrated pin striker which is located on Top Stay Hinge are Ideal for Securing Living Spaces. In addition, the mushroom-headed security pins on the component of the Vorne hidden hinge system carry system security to the top level.



## Solid and Ergonomic

Vorne Hidden Hinge System with 100 degree sash opening, provides wide visual angle enhancing landscape viewing pleasure. System that can bare up to 100 kg; can be used seamlessly in PVC, timber and aluminum profiles Vorne Hidden Hinge System Offers opening angle up to 100°. Vorne Hidden Hinge System provides wide visual angle with this feature. System which has lifting capacity up to 100kg. is also easily applicable to the PVC, Timber and Aluminium(16mm Hardware Groove ) Profiles





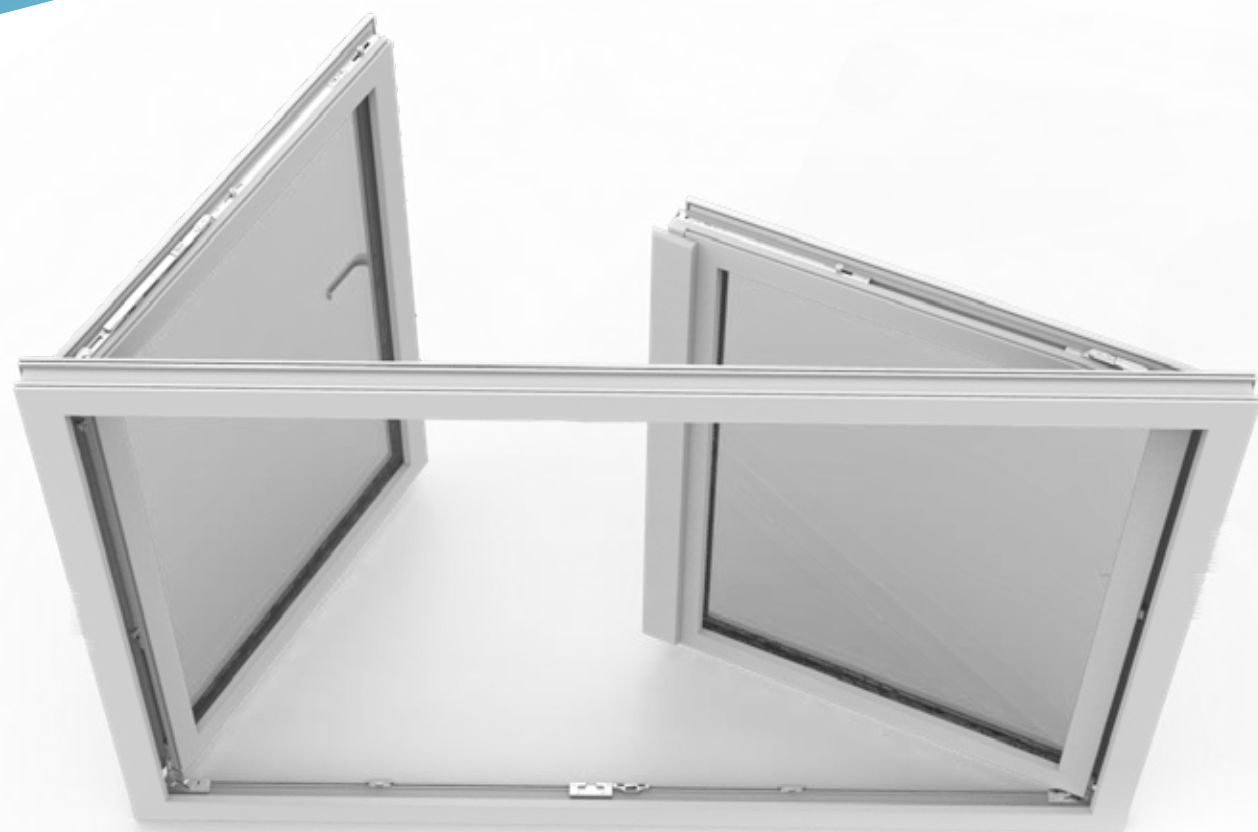
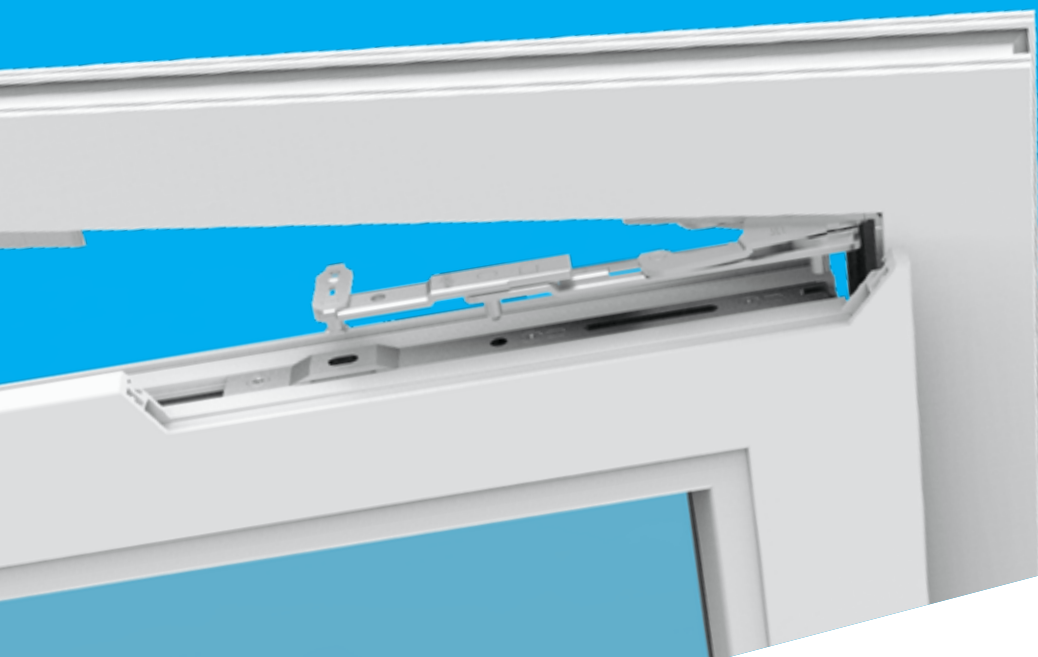
## Easy Installation Possibility

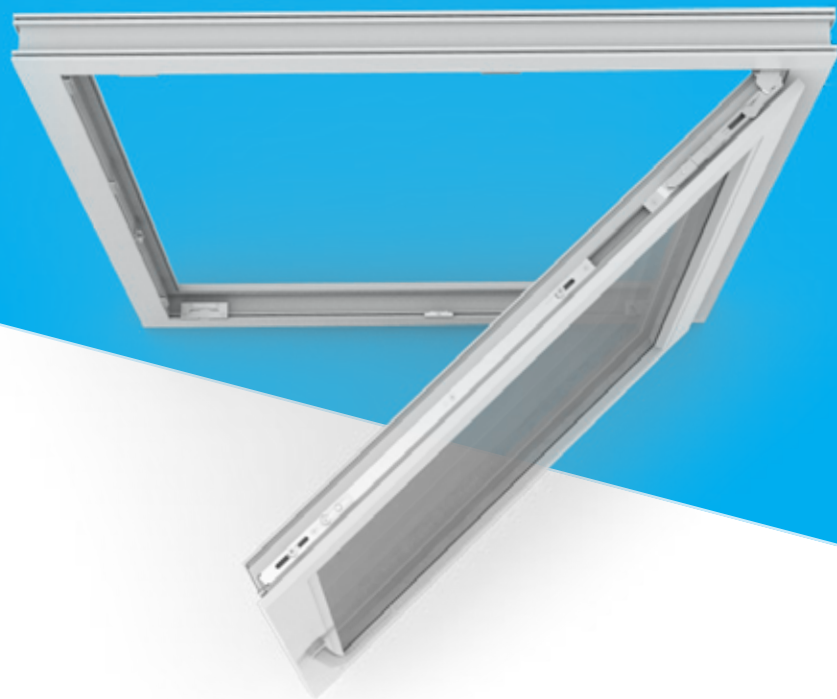
The assembly time is considerably shorter as fewer accessories are used in the Vorne Hidden Hinge System. System that can be assembled by even one person, the hinge components are clamped to the frame and sash. With Vorne allens you can easily make horizontal / vertical and gasket pressure settings



## Long Durable Waterproof Design

Vorne Hidden Hinge System; provides complete sealing against wind, rain and noise. Protected against sudden bumps with 90 degree travel restrictor. Vorne Hidden Hinge System can be used for many years without any problem due to its corrosion resistant nano technological surface coating.





## Tilt&Turn System Chart / Vertical Application

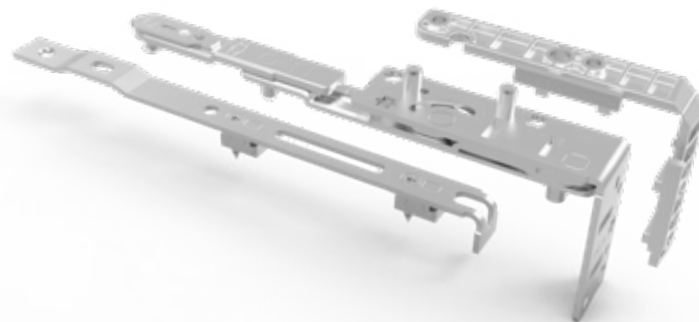
### Range of Use

Sash Rectangular Width	375 - 1.350 mm
Sash Rectangular Height	380 - 2.400 mm
Sash Weight	Max. 100 kg

1	Tilt&Turn Gear	page 47-60
2	Corner Slider	page 84-93
9	Tilt Striker	page 120
10	Strikers	page 120
12	Mishandling Device	page 122
13	Mishandling Device Striker	page 120
14	Centre Locking	page 103-105
22	Tilt Locking Mechanism	page 97
23	Secondary Stay	page 102
62	HH Corner Hinge	page 170
63	HH Pivot Rest	page 168
64	HH Corner Hinge Cover	page 121
65	Bottom Profile Specific packer	page 171
66	HH Stay Guide	page 165
67	HH Stay Arm	page 166-167
68	HH 90° Turn Restrictor	page 169
69	HH 90° Turn Restrictor Striker	page 169

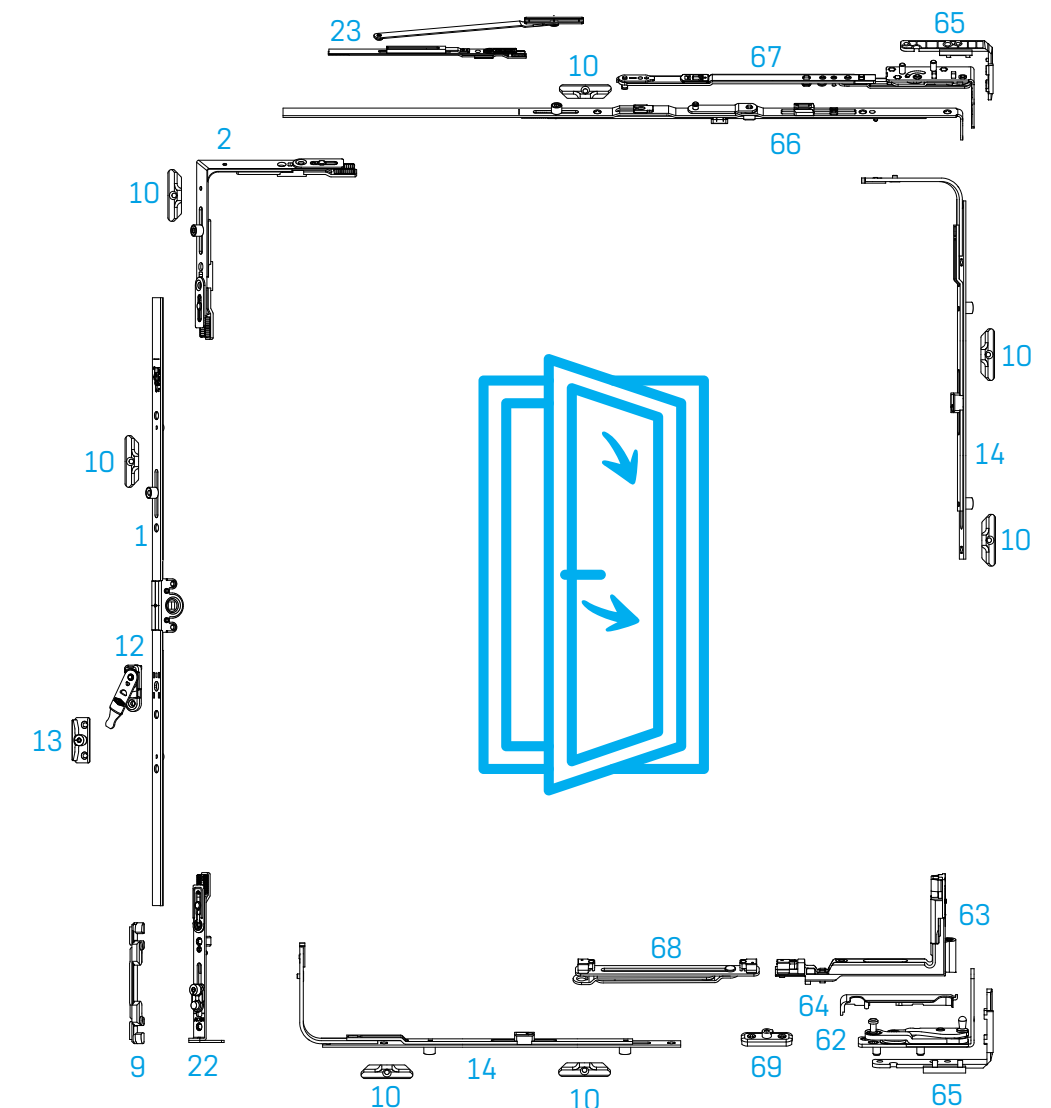
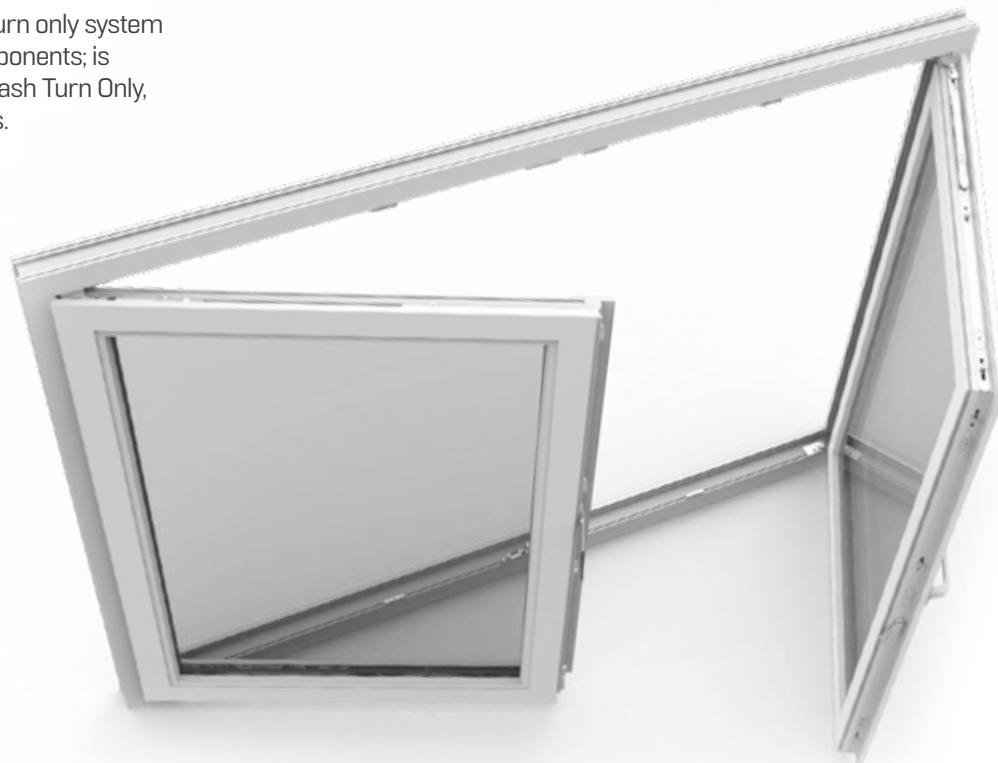
## Vorne Hidden Hinge Turn Only System Application

Turn only stay arm set and hidden hinge turn only stay guide are the products of Hidden Hinge System of Vorne that combines aesthetics with safety; also are the components that allow the sash to be opened in turn position. The Turn Only Stay Arm, which is mounted on the Sash profile is fixed with the Turn only stay guide and locked with the help of pins which is located on Stay Arm



## Vorne Hidden Hinge Double Sash Application

A window that is applicable to turn only system with the above mentioned components; is suitable for Turn Only, Double Sash Turn Only, Double Sash Tilt&Turn Systems.

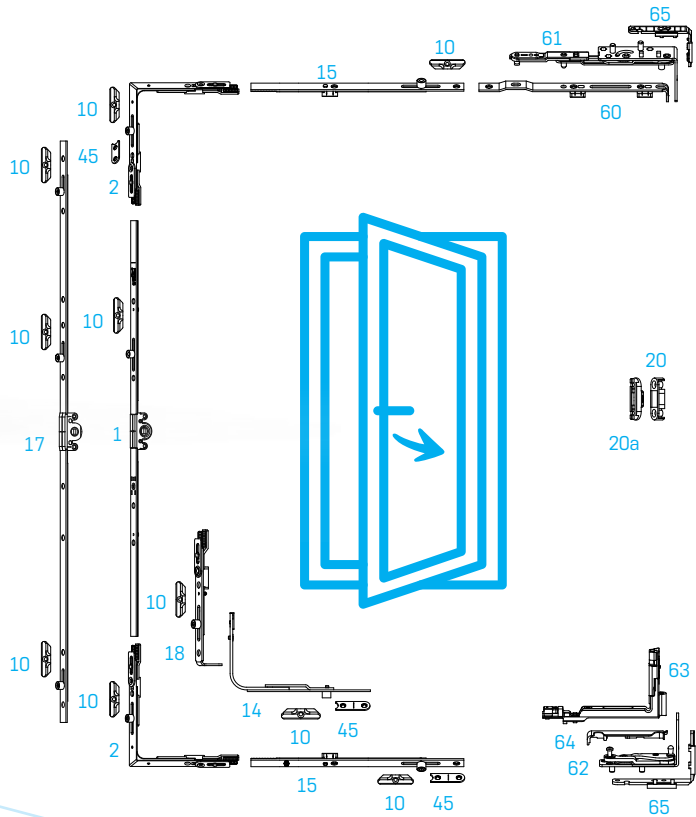


Turn Only System Chart

Range of Use

Sash Rectangular Width	350 - 1.350 mm
Sash Rectangular Height	380 - 2.400 mm
Sash Weight	Max. 100 kg

1	Tilt&Turn Gear
2	Corner Slider
10	Strikers
14	Centre Locking
15	Supplemantary Locking
17	Turn Gear
18	Turn Locking Mechanism
20	Centre Rotating (Sash Part)
20a	Centre Rotating (Frame Part)
45	90° Travel Restrictor
60	Turn Only Stay Guide
61	Turn Only Stay Arm
62	HH Pivot Rest
63	HH Corner Hinge
64	HH Corner Hinge Cover
65	Profile Specific Packers
69	90° Turn Restrictor Striker

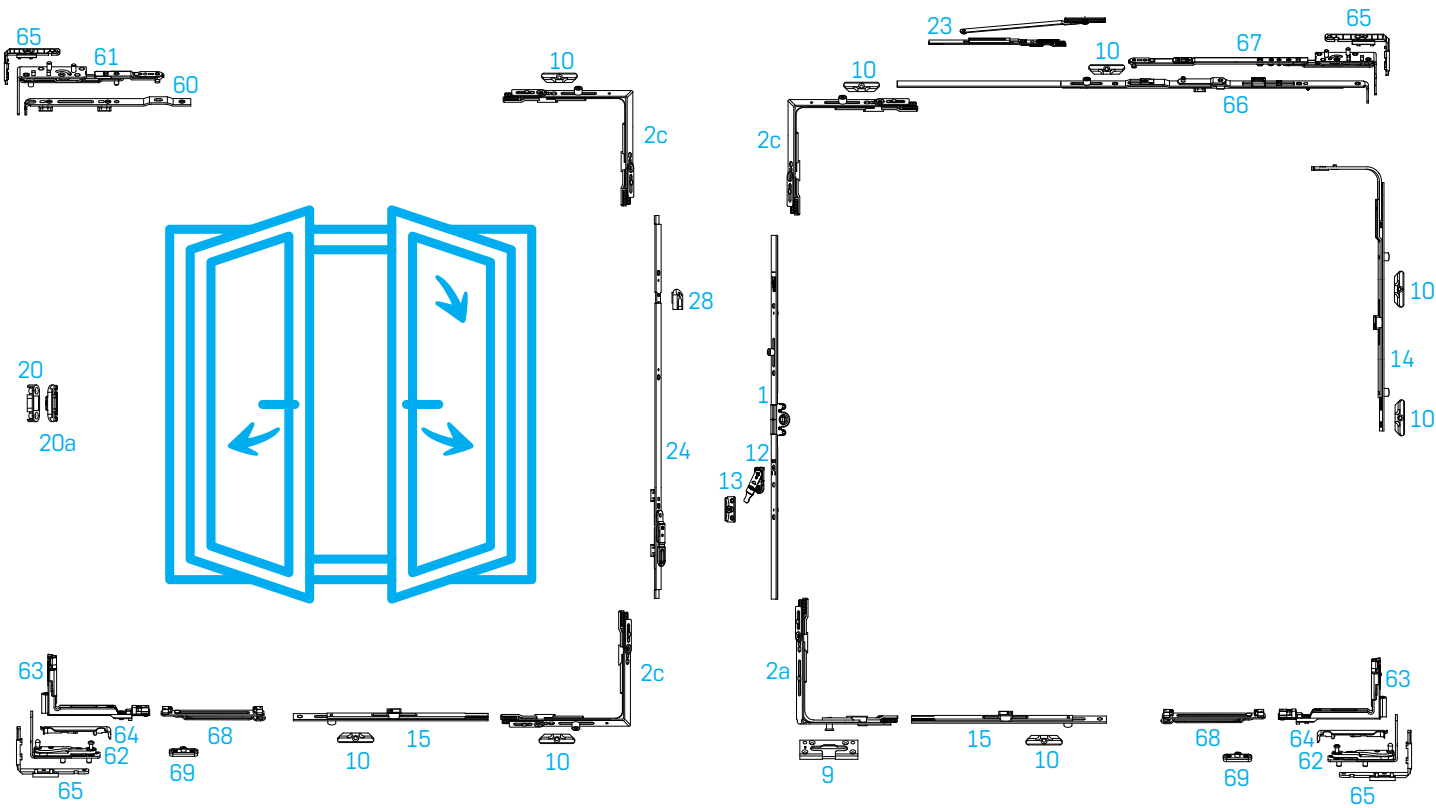


Double Sash Tilt&Turn System Chart

Range of Use

Sash Rectangular Width	375 - 1.350 mm
Sash Rectangular Height	540 - 2.400 mm
Sash Weight	Max. 100 kg

1	Tilt&Turn Gear	28	Double Sash Gear Striker
2a	Corner Slider	60	Turn Only Stay Guide
2c	Corner Slider	61	Turn Only Stay Arm
9	Tilt Striker	62	HH Pivot Rest
10	Strikers	63	HH Corner Hinge
12	Mishandling Device	64	HH Corner Hinge Cover
13	Mishandling Device Striker	65	Profile Specific packers
14	Centre Locking	66	HH Stay Guide
15	Supplemantary Locking	67	HH Stay Arm
20	Centre Rotating (Sash Part)	68	HH 90° Turn Restrictor
20a	Centre Rotating (Frame Part)	69	HH 90° Turn Restrictor Striker
24	Double Sash Gear		





BE ON THE **SAFE SIDE**



WINDOW & DOOR SYSTEMS