



**Winac**

Design & Manufacturing of  
Door & Window Accessory

[www.winac.co](http://www.winac.co)

Door & Window Accessory

Catalog 2022-2023





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# The words of the CEO

Winac

In today's complex and modern world, organizations that prioritize customer satisfaction and consider an adequate response to environmental changes as an inherent component of their corporate responsibility do better in the competitive environment. It is built on more than 40 years of experience and steadiness in the face of nation adversity that the name "Winac" is now regarded as a symbol of growth and expansion in the nation's PVC equipment business. The collaboration of our management and other employees at Winac has been our biggest source of support during this journey. A systematic approach, consistent product quality and quantity improvement, the use of new techniques and technologies, teamwork and double efforts by all colleagues and company personnel to increase customer satisfaction are undoubtedly necessary to maintain past successes, keep up with developments, and meet upcoming challenges. Commitment, knowledge, innovation, and regard for customers' desires are today's key success factors. I, Bahman Nazari and believe that increasing customer satisfaction and bolstering customer loyalty as the primary pillar of an organization's life and growth require developing a team of dedicated, skilled, and motivated coworkers for the expansion and advancement of both they and the organization as well as a sense of responsibility. With the tremendous efforts of all the hardworking employees of Winac Group, we are happy to have been able to fulfill the requirements of our cherished clients. Together with all of our colleagues in our group, we have consistently worked to offer services and products that uphold the integrity of this country's business. while accurately anticipating both the stated and unstated needs of our clients. Without a doubt, we will make every effort to continue to be the industry's standard bearer for prosperity and deliver admirable and respectable services, relying on the confidence of our esteemed and respected clients and the assistance of devoted, intelligent, and motivated colleagues within the organization.



**Bahman Nazari**  
CEO of Pooyesh Part Simin

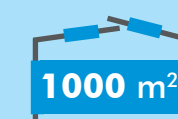
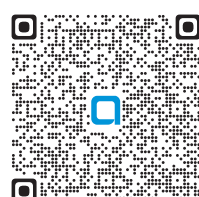
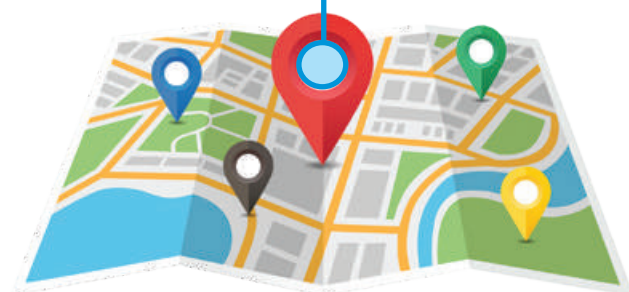




# Plant Location ...



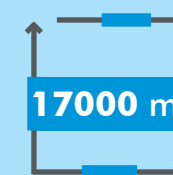
The factory is situated in the Caspian industrial town of Qazvin Province. The manufacturing complex has a total area of 17,000 square meters, which includes a production shed with a two-story roof measuring 6,500 square meters and an office building measuring 1,000 square meters.



1000 m<sup>2</sup>  
The area of the office building



6500 m<sup>2</sup>  
Rooms used for production



17000 m<sup>2</sup>  
The complex's overall size



# Time Line ...

## Initial Period: Formation

Since 1982, Pooyesh Part has been engaged in this operation, which it began by creating mandrel and matrix molds. During this time, a small workshop known as Bammad designed and created a number of molds for products that clients desired.

## Second Period: Orientation Towards Production

The manufacture for the front fenders for Honda motorcycles started in January 1985. A 240 square meter workshop with 15 employees, known as Pooyesh, was capable of replacing its merchandise with Japanese components (CKD) during this time, while also receiving fresh orders from its clients (Tizero, Niromoharkeh). During this time, the following products were produced along with the design and production of tools:

- Honda motorcycle front fender
- Bravo motorcycle chassis

## Third Period: Entering The Automobile Industry

Since 1996, the organization has entered the auto parts manufacturing sector under the name "Pooyesh Part" due to the low production circulation of motorcycle parts and in order to safeguard the organization's survival in the new marketplace as well as the quantitative and qualitative improvement of the collection. 30 employees and 450 square meters of workspace were available during this time. Mass production of the following components took place during this time:

- Peykan gearbox ROM
- Gasoline tank of Peugeot Ardi and Peykan

## Fourth Period: Classical Management Approach

Success in passing the grade allowed the company to deal directly with auto parts suppliers (Sapco, SazehGostar and Mehrkam Pars), and by increasing the number of employees and the quality of the systems and work processes, the Companies' capabilities improved. The restructuring of processes, the use of CAD/CAM tools in the design and production of equipment, the acquisition of the ISO/TS 2002 :16949 international license, and the restructuring of mindsets and aims can all be listed as activities and outcomes of this course. The number of employees was between 30 and 110 people, the workspace extended to 2200 square meters, and the name "[Pooyesh Part Simin Company]" was chosen to represent the business (Private joint stock). Products made during this time period:

- Column support base under the steering shaft screen (Peugeot 405, Ardi and Peugeot Pars and Samand)
- Pickup gas tank throat set
- Subordinate traverse of the front leg of Peraide
- Peugeot rear seat back frame

## Fifth Period: New Management Approach

In this course, the business promoted and explained corporate culture, management mindset, learning strategies, strategic planning, information technology, personnel management, market management, and supply chain management in an effort to get ready for a more effective presence on the global market. Between 100 and 200 employees were involved, and the workspace ranged up to 10,000 square meters.

## Sixth Period: Entering The Door and Window Fittings Industry

In this period, primarily focused on expanding into the UPVC door and window fittings market by enhancing the effectiveness of quality management system operations using a holistic approach. The processes of human resources, procurement, macro management, production planning, and development are the most prominent examples of these processes. The company created its products after spending its early years in the door and window fittings sector to round out the consumer's product range. The firm developed its customer loyalty connection by granting provincial agencies, and together with the development of the product portfolio, in such a way that the full product family of single-mode door and window mechanism was provided to its clients. Currently, Winac products are distributed across the country by 22 active distributors, and the Winac brand is recognized as one of the largest producers of door and window fittings in the nation.

## Eighth Period: Completion Of Product Portfolio and Research Development

The company was able to completely fulfill its consumers with the addition of aluminum door and window handles, two-mode mechanisms, French, adjustable hinges, etc. In this sense, the group put the development of export markets on the agenda due to Winac's competitive edge over other brands in the regional market. With the most comprehensive product line among domestic manufacturers, the growth of the sales agent network within the nation, and the expansion of its export markets in the region, Winac currently plays a crucial role in the production and supply of the nation's door and window industry.

## Seventh Period: Developing Products and Increasing Market Share





# Outlook

## Past, Present ...





# Fundamental Values ...



## Mission

Delivering customers high-quality, dependable, and value-added goods and services in the area of cutting-edge door and window mechanisms in order to control energy consumption and increase the level of convenience and security for Winac consumers.

## Vision

The leading brand of UPVC door and window mechanisms in Iran and the region.

## Our Values

### Social Responsibility

Environmental sensitivity, safety standards, and social responsibility.

### Human Resource Development

Enhancing human resource capacity in response to new advancements and changes.

### Integrity

Honesty, trust, respect, and a strong sense of morality.

### Achieving Great Results

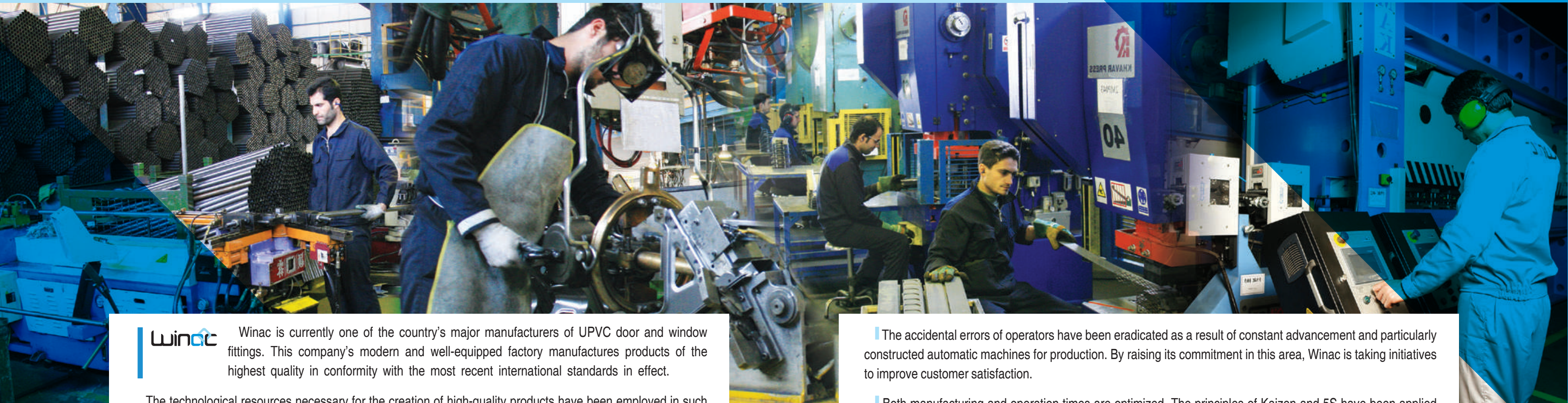
A formidable company with updated knowledge and a great deal of zeal for continuously optimizing processes and innovating.

### Prioritize the Customer

Developing a competitive advantage to generate customer value.



# Capability Set...



Winac is currently one of the country's major manufacturers of UPVC door and window fittings. This company's modern and well-equipped factory manufactures products of the highest quality in conformity with the most recent international standards in effect.

The technological resources necessary for the creation of high-quality products have been employed in such a way that the combination of technology advantage and personnel skill yields considerable outcomes. Winac was recognized the as best research and development units in 2013 and 2015, depends on its research and development expertise and the utilization of young and talented employees from its university to expand its high-quality production capabilities.

The youthful and dynamic team, in addition to the proper design and manufacturing facilities and more than 40 years of experience in designing and producing molds and tools, has resulted in a growth in the production capacities of high-quality products.

Rapid and precise design and fabrication of mold and production and control tools using CAD/CAM techniques and the world's most advanced tool producing technology

Press department: manufacturing of components with various press lines ranging from 40 tons to 600 tons in impact and hydraulic models, the ability to produce excellent parts through high-tech production and PLC control.

Utilizing superior raw ingredients to create superior products

Injection metal and plastic production lines with accurate PLC control

High quality surface coating through the use of scientific and up-to-date processes, salt spray testing, and thickness measuring in accordance with applicable international standards.

The accidental errors of operators have been eradicated as a result of constant advancement and particularly constructed automatic machines for production. By raising its commitment in this area, Winac is taking initiatives to improve customer satisfaction.

Both manufacturing and operation times are optimized. The principles of Kaizen and 5S have been applied to the lines, and the information required for each process, including control characteristics, critical process characteristics, operation cycle, equipment required for each process, etc., has been incorporated into each procedure.

Products are delivered on time, in standard packaging, and according to the needs of both domestic and international consumers. Various testing, such as chemical, mechanical, and surface coating tests, are performed regularly on raw materials to monitor and control product quality.

In addition to certifying the quality of its products by conducting credible tests and experiments in compliance with the most recent product standards, Winac assesses and monitors its quality management system via worldwide BC rounds.

Education is currently one of the most significant elements of the active quality cycle. Winac organizes a variety of training courses on topics such as safety, the principles and fundamentals of the quality system, the identification of significant product and process features, etc.

Winac fulfills its environmental obligation by adhering to environmental factors, including the use of ecologically friendly, recyclable, and health-compliant raw materials.



# Quality Policy...



Our company is operating in the fields of design, toolmaking, and production of automobile components and building materials (door and double window fittings). Along with their experienced personnel, the company's management and other organizational units are always of the opinion that they must satisfy the needs of clients in a pleasant and efficient manner. To this end, it has built a quality management system based on the international standard model IATF 16949:2016, ISO 9001:2015, and the customer's unique requirements, relying on the continual development of all the organization's operations, and has announced the following responsibilities:



## Our foremost obligation; achieving customer satisfaction by:

- Moving toward production with the aim of zero defects
- Expansion of products and manufacturing processes
- Outreach of marketing, sales, and branding procedures
- Cost reduction through enhancing the efficiency of internal operations

## Our second task is to raise the level of education and awareness of human resources, the organization's most valuable asset, through:

- Human resource development process



# PRODUCTION Technology

- Pre-Production Process
- Moulding
- Raw Material
- Injection, Diecast
- Press Shop
- Surface Coating
- Quality Control
- Assembling, Packing





# Pre-Production Process



## Organization of the product quality process<sup>1</sup>

In this phase, tasks such as appointing the project's executive director and members of the cross-functional team (CFT), preparing the roles matrix, and extracting the timetable are carried out.

## Price analysis and manufacturing viability

This phase consists of the final steps before design, such as final feasibility, risk analysis, and cost estimation.

1. Product Quality Process is one of the standards reference systems used by vehicle manufacturers, and it encompasses all phases of the design and production processes. Incorporates their development and highlights that each step of the aforementioned processes is a component of the quality system's needs. Through simultaneous engineering and the use of multi-specialty teams, planning is carried out and assessed during production and product evolution.



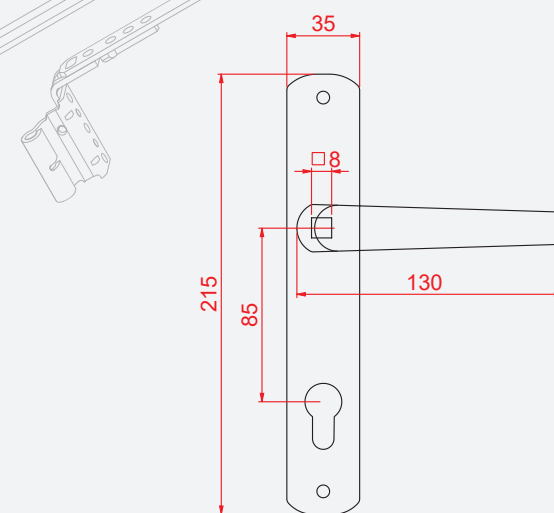
## Identification and evaluation of consumer needs

This phase includes actions such as collecting customer feedback (obtaining customer requirements), examining the product's technical features (including product standards, testing plans, packaging design, and environmental conditions of operation), summarizing studies and comprehending the need for product design, and selecting the most suitable model for process design, initial feasibility, etc.

## Design, control, and verification of the production procedure

Several tasks, such as preparing, validating, and confirming product drawings, preparing product engineering specifications, finalizing the list of important product specifications, preparing the initial plan, performing calculations, implementing the PFMEA process (analysis of potential failure modes of the process), and preparing the product control plan, are performed at the beginning of this phase.

In the tool manufacturing phase, the 2D and 3D manufacturing drawings are given to the tooling department, where they are validated and then used to design the production and assembly of tool parts. Due to the existence of CNC and automatic equipment, such as milling machines, lathes, sparks, and drills, etc., high-precision tool components are manufactured, inspected, and assembled at this stage. After the production and control tools have been assembled, the construction of the tools is validated to assure their accuracy. And ultimately, the product undergoes trial production and functional and dimensional controls to ensure that it meets worldwide quality standards and is supplied to customers.





# Moulding



## Tool making

As the driving force behind the creation of superior products, the Instrumentation Department is responsible for bringing Winac engineers' concepts to life. In this regard, once the 3D and 2D designs of the tools, such as molds, production and control fixtures, jigs, etc., have been finalized in the multi-specialized teams of product design and development, the manufacturing phase of the tools begins. To assure the quality and endurance of these instruments, the raw materials used to manufacture them have all been certified and tested to identify their type and mechanical properties, among other things. In addition, this department creates, controls, and measures the production of precision tools and equipment engineering and is fully responsive to the requirements of the design and development process, including the following:

### Construction equipment category:

- CNC, NC and manual milling machines
- Lathe machines
- Grindstone and axle machine
- Spark ZNC
- Heat treatment furnace
- Types of radial and column drills

### Digital control equipment category:

- Hardness gauge
- Surface smoothness measurement tool
- Digital and pointer calipers
- Digital micrometers
- Block and hole gauges
- Tipper and etc.

### Category of dimensional control equipment and gauges:

- Control gauges
- Panel gauges of separate parts
- Product control fixtures



In addition, this department is responsible for the process of confirming and validating the tools after they have been manufactured; with the idea that, during an experimental stage, a certain number of items are produced with these toolkits and their output is %100 under the regulation of all important characteristics that affect the product's quality, such as quantitative and functional control qualities and so on. Due to the existence of the aforementioned equipment and the collection's technical knowledge, the tools manufactured in this department will ensure the quality and efficacy of Winac's products.



Utilizing standard raw materials is essential to the manufacture of high-quality goods. In this respect, in addition to fulfilling the requirements of the needed standards (such as ISO 9445, EN 10025, and BS EN 10139), all provided raw materials are analyzed by accredited laboratories each time they are provided, and after confirming the chemical properties, mechanical properties, and appearance are used. Winac meets its environmental obligation by adhering to environmental factors, such as the use of eco-friendly, recyclable, and compliant with health standards raw materials.

## Raw material ...



## Diecast

**Metal and plastic injection lines, precise control with PLC**

With cutting-edge plastic and metal injection lines, Winac offers the entire assortment of products required by this industry. With PLC and inverter controllers, these lines' manufacturing equipment guarantees the creation of high-quality, stable products. Controllers for programmable logic controllers (PLCs) offer a comprehensive and accurate variety of process settings that can be utilized to achieve the critical components of each procedure accurately and continuously. Additionally, the employment of inverter controllers results in a decrease in energy consumption and an improvement in product output productivity.







## Press Shop

Production of parts using diverse press lines ranging from 40 tons to 600 tons in impact and hydraulic models, as well as the ability to make high-quality parts through high-tech production and PLC control.

Utilizing high-quality raw materials to manufacture high-quality Winac pressing lines items is the key to a diverse array of products in this business. As with the injection lines, all pressing lines are continually and online controlled by PLC and inverter systems, and all significant production process parameters extracted during the product development phase are fully under control in all production stages, including pressing.

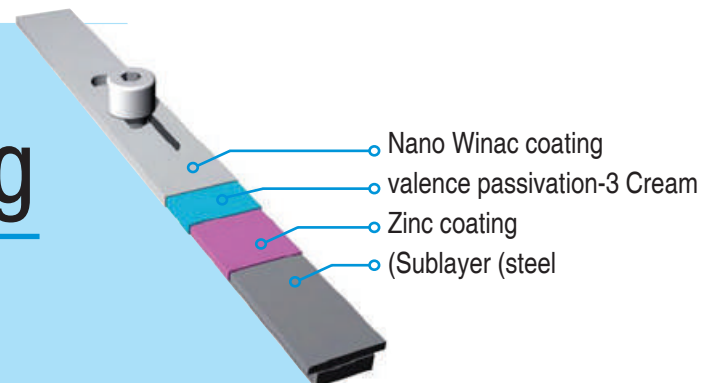
Another advantage of pressing lines is the production of quality in the manufacturing operation, so that by being under the supervision of the most precise settings required for the fabrication of parts, the quality of the products is generated in these phases prior to inspection.



# Quality Control...



## Surface Coating



### Surface coating process

Winac has been capable of keeping up with the global leaders in the UPVC fittings market because of its highly skilled and experienced team in the field of surface coatings. The use of specialized formulas and the application of tailored procedures have resulted in the production of surface-coated items that exceed international requirements for this issue (standard -8BSI EN 13126 paragraph 7-4 and standard EN 1670 paragraph 2-5) So that the minimum standard required for red corrosion resistance of span iolites is 97 hours, if this component is evaluated, Winac products exceed 760 hours. In the field of electrostatic coating materials, which are used on products such as door and window pivots, the thickness of paint coatings is greater than 60 microns, which, in addition to guaranteeing the quality of paint, makes the use of Winac comfortable in environments with direct sunlight due to the use of UV-resistant paint. Notably, all surface coating processes, including those for dacromet coatings and electrostatic paints, are monitored continuously by digital control and thickness measurement systems to maintain the quality of the aforementioned coatings.

### Dimensional and functional tests

After multi-specialty teams have extracted the significant characteristics of Winac's production processes and end product, these characteristics are designated as control items in the quality system and are regularly monitored and validated at the core of the production processes.

In addition, the products are assessed at predetermined intervals by the Layout Inspection system, which thoroughly evaluates all the major functional and dimensional parameters retrieved by the initial inter teams to ensure the continuity of product quality.

In order to prevent measurement errors, such as operator error, environmental error, etc., from occurring during dimensional testing, critical product attributes are measured with pre-designed control gauges to limit the impact of these errors on the result output.

The functional testing of Winac products is based on the EN13126, EN1670, and EN1191 standards, which include tests for durability, corrosion resistance, excess force, reveal, rebate, and minimum closing resistance, among others.



# Laboratory



Winac

## Laboratory

All Winac products undergo functional testing in accordance with international standards. These tests include testing for durability, corrosion resistance, excess force, reveal, rebate, minimum closing resistance, etc.

Testing of Lola products in accordance with the EN 1935 standard

Testing of switch and service door handle products according to EN 1906 standard

Test of espagnolette products according to EN 13126 standard

Color resistance test according to ISO 2409 standard

Corrosion resistance test according to EN 1670 standard





# Assembling



## Assembly and packaging process

The final stage in creating quality Winac products is the process of assembling and packing the components. As in earlier stages, technology and control instruments are utilized in this phase of the construction process. Utilizing quality tools such as POKA-YOKE (making infallible), sensing, and automation, etc., these processes complement Winac's quality creation approach.



# Packing





# After sales service GUARANTEE



## هیناک

۱۰ سال  
گارانتی اسپانیولیت

### FUNCTION GUARANTEE

winac  
**ESPAÑOLETTE**  
EDGE CLOSURE





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کدپستی: ۳۴۴۵۱-۸۱۲۸۵  
تلفنکس: ۴۵۷۲۸ (۰۲۱)

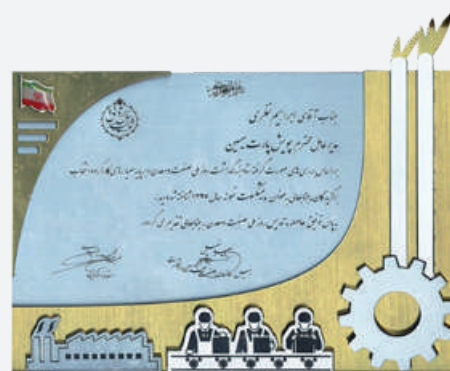


- Ten-year guarantee on every espagnolette
- Service after the sale for all products
- Warranty and support for items regarding color change, condition change, corrosion, and deterioration
- CRM unit to track requests, ideas, and complaints from customers





# Certificates & Awards...



The protagonist of the year,  
Qazvin province - July 2018



Commemoration of Industry and  
Mining Day, Qazvin province -  
July 2015



Honoring the outstanding  
artisans and miners of the  
province of Qazvin - July 2013



The 6th Festival of Gratitude  
to the Top Entrepreneurs of  
Qazvin Province - June 2011



National conference of great  
entrepreneurs - March 2011



The Fourth Festival of  
Provincial Business Leaders –  
2008



# Certificates & Awards...



Provincial model company for research and development in 2015



Provincial model company for research and development in 2013



Research and development license



ISO 9001:2015



IATF 16949:2016



ISO 9001:2015



The most outstanding provincial entrepreneur during the 4th annual entrepreneur festival



The most outstanding provincial entrepreneur during the 6th annual entrepreneur festival



The most outstanding provincial entrepreneur during the 8th annual entrepreneur festival



Approval (Grade S) of PSA France



Quality approval of Iran Khodro Company



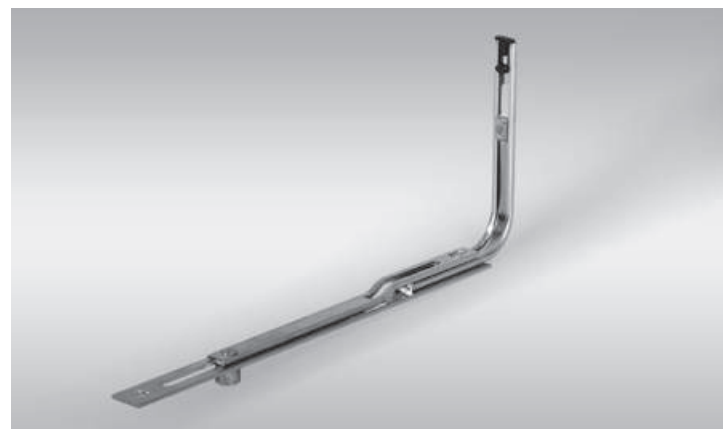
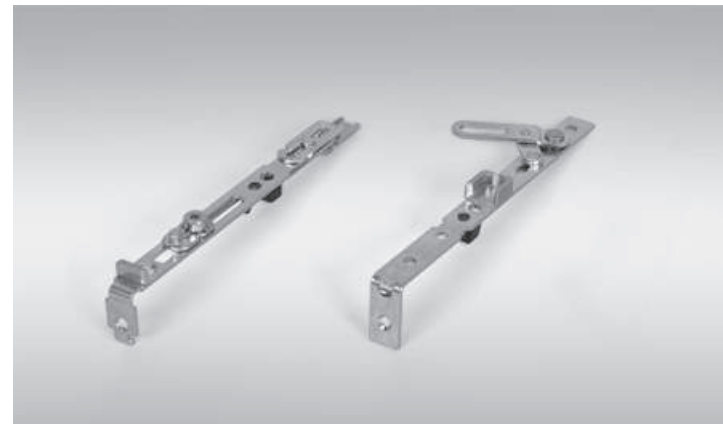
# Products...

- Tilt & Turn System
- Window Espagnolette
- Door Espagnolette
- Handle Systems
- Hinge Systems
- Service lock
- Adjustable lock Striker
- Mullion
- Striker Plate
- Glass Filler





# Tilt & Turn System...



**Winac** In Winac's two-mode system, with an emphasis on boosting beauty and longevity, design, material selection, and production have been executed with particular care. Elegant plating that meets the most stringent European tests, ensuring the product's longevity. The use of metal emphasis in the mechanism, which has a strong resistance to wear and corrosion, ensures the optimal performance of the espagnolette and prolongs the mechanism's life, as well as the use of the zamak and metal emphasis frame, which lessens noise and produces smooth movement in the mechanism. It is evidence of this claim that all aspects of the sensitivity required to make quality products have been considered.

Enhanced window strength and safety, in addition to effective window sealing, as a result of an increase in window connection points

High flexibility to satisfy the needs of the window manufacturer in order to design and fabricate windows of various sizes.

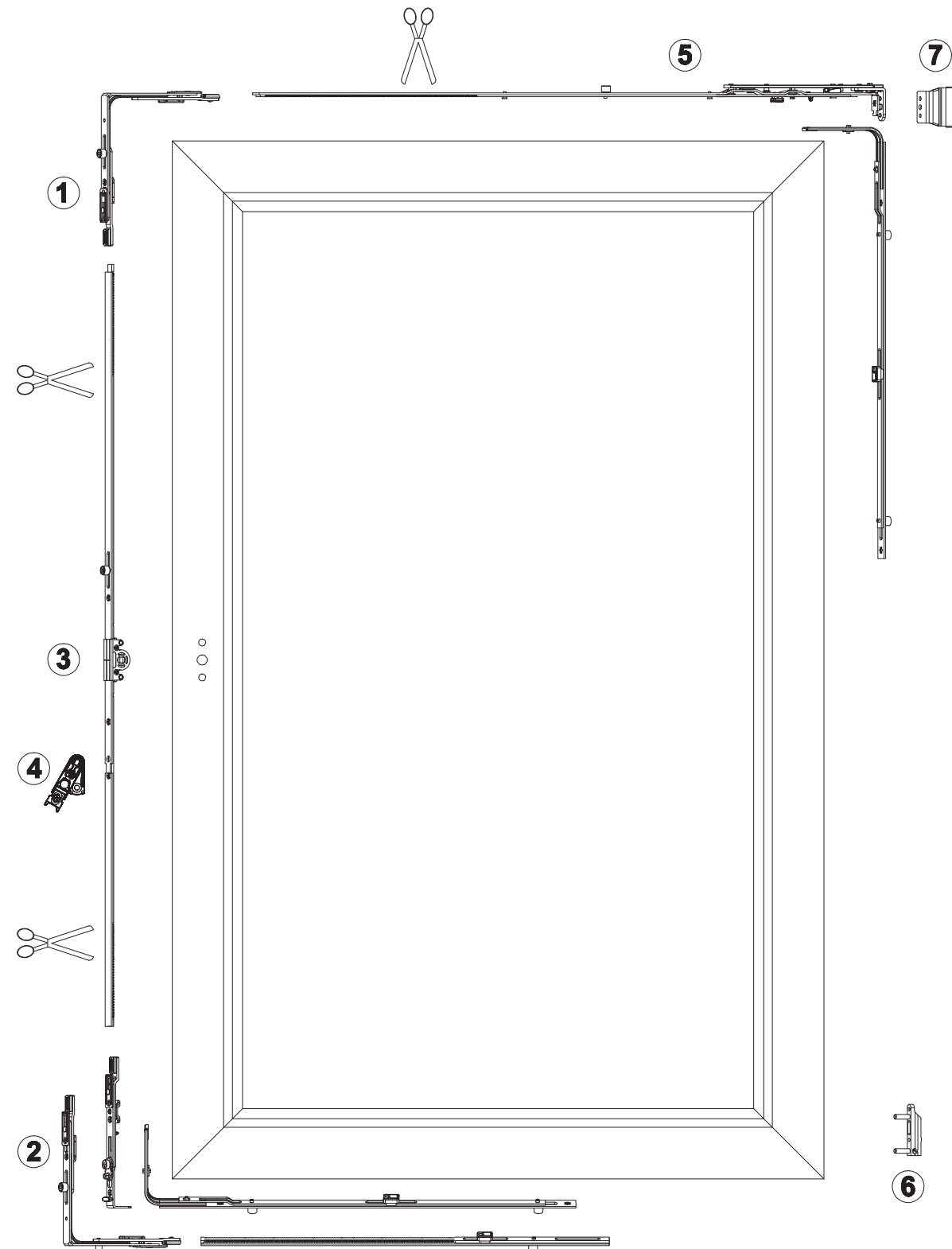
- High efficiency in energy consumption reduction
- Development of air-conditioning (Ventilation)
- The ability to modify the hinge mechanism, which results in proper window sealing and smooth operation.
- Enhanced window protection
- High resistance to a 40 Nm torque force, corresponding to a 40 kg weight on the handle
- Reducing corrosion and wear of the keeper caused by the bush's sliding on the keeper
- The ability to set winter and summer striker plate





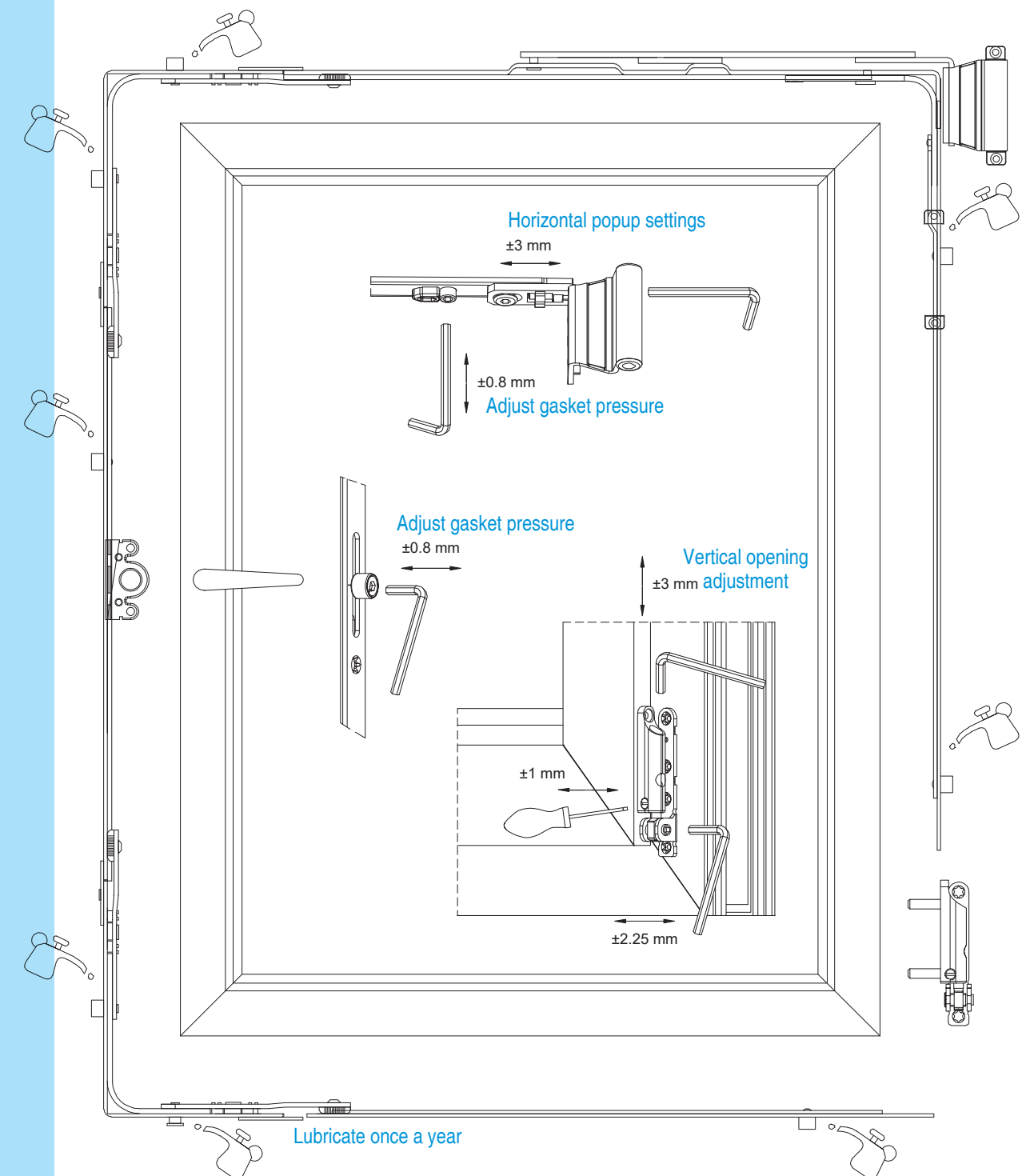
# Tilt & Turn Systems

Technical and General Information / Assembly Instructions / Hardware Installation



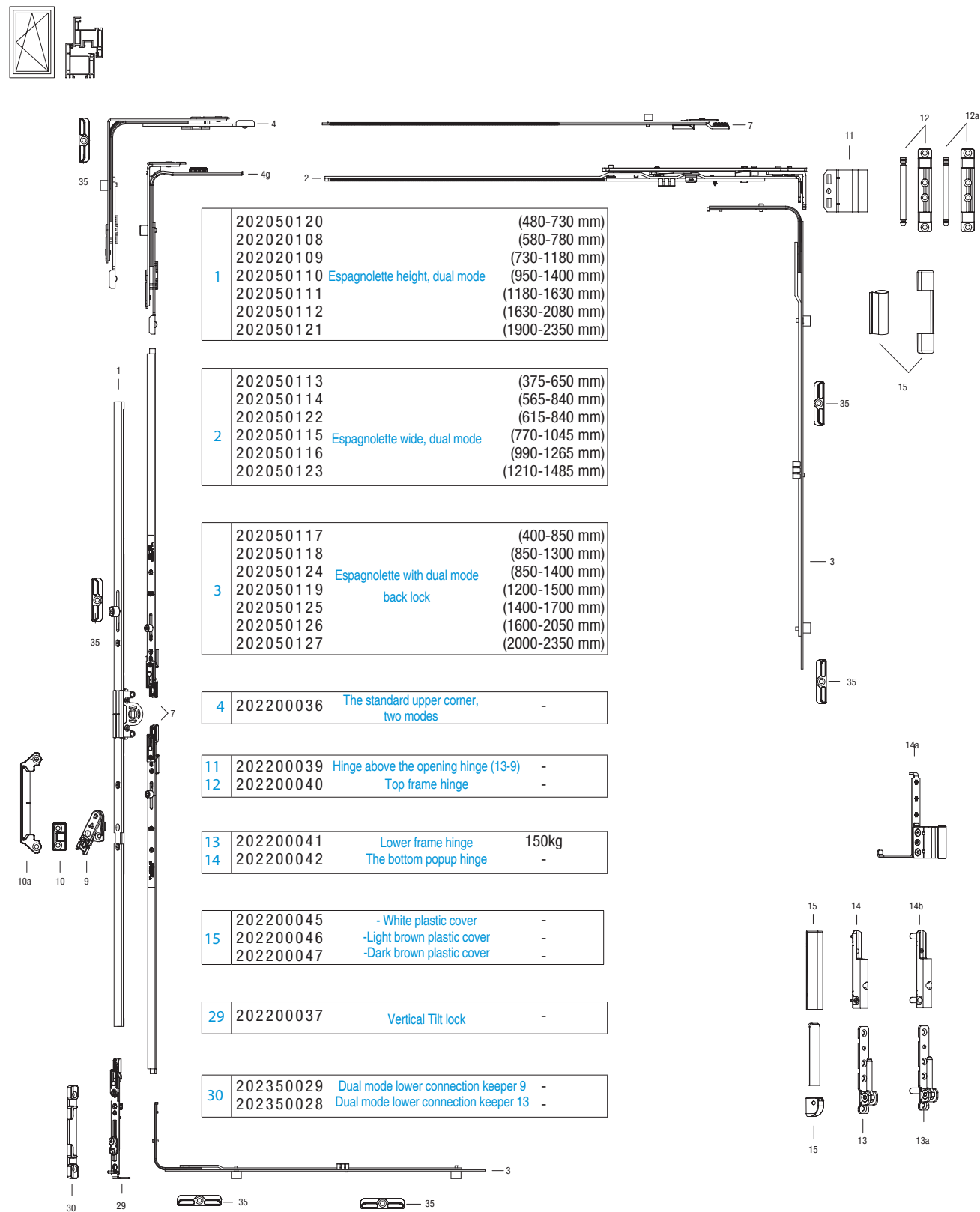
# Winda Tilt & Turn Systems

Maintenance & Adjustment





# General Tilt & Turn Systems



1

202050120	(480-730 mm)
202020108	(580-780 mm)
202020109	(730-1180 mm)
202050110	Espagnolette height, dual mode (950-1400 mm)
202050111	(1180-1630 mm)
202050112	(1630-2080 mm)
202050121	(1900-2350 mm)

2

202050113	(375-650 mm)
202050114	(565-840 mm)
202050122	(615-840 mm)
202050115	Espagnolette wide, dual mode (770-1045 mm)
202050116	(990-1265 mm)
202050123	(1210-1485 mm)

3

202050117	(400-850 mm)
202050118	(850-1300 mm)
202050124	Espagnolette with dual mode (850-1400 mm)
202050119	back lock (1200-1500 mm)
202050125	(1400-1700 mm)
202050126	(1600-2050 mm)
202050127	(2000-2350 mm)

4

202200036	The standard upper corner, two modes	-
-----------	--------------------------------------	---

11

202200039	Hinge above the opening hinge (13-9)	-
-----------	--------------------------------------	---

12

202200040	Top frame hinge	-
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13

202200041	Lower frame hinge	150kg
-----------	-------------------	-------

14

202200042	The bottom popup hinge	-
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15

202200045	- White plastic cover	-
202200046	-Light brown plastic cover	-
202200047	-Dark brown plastic cover	-

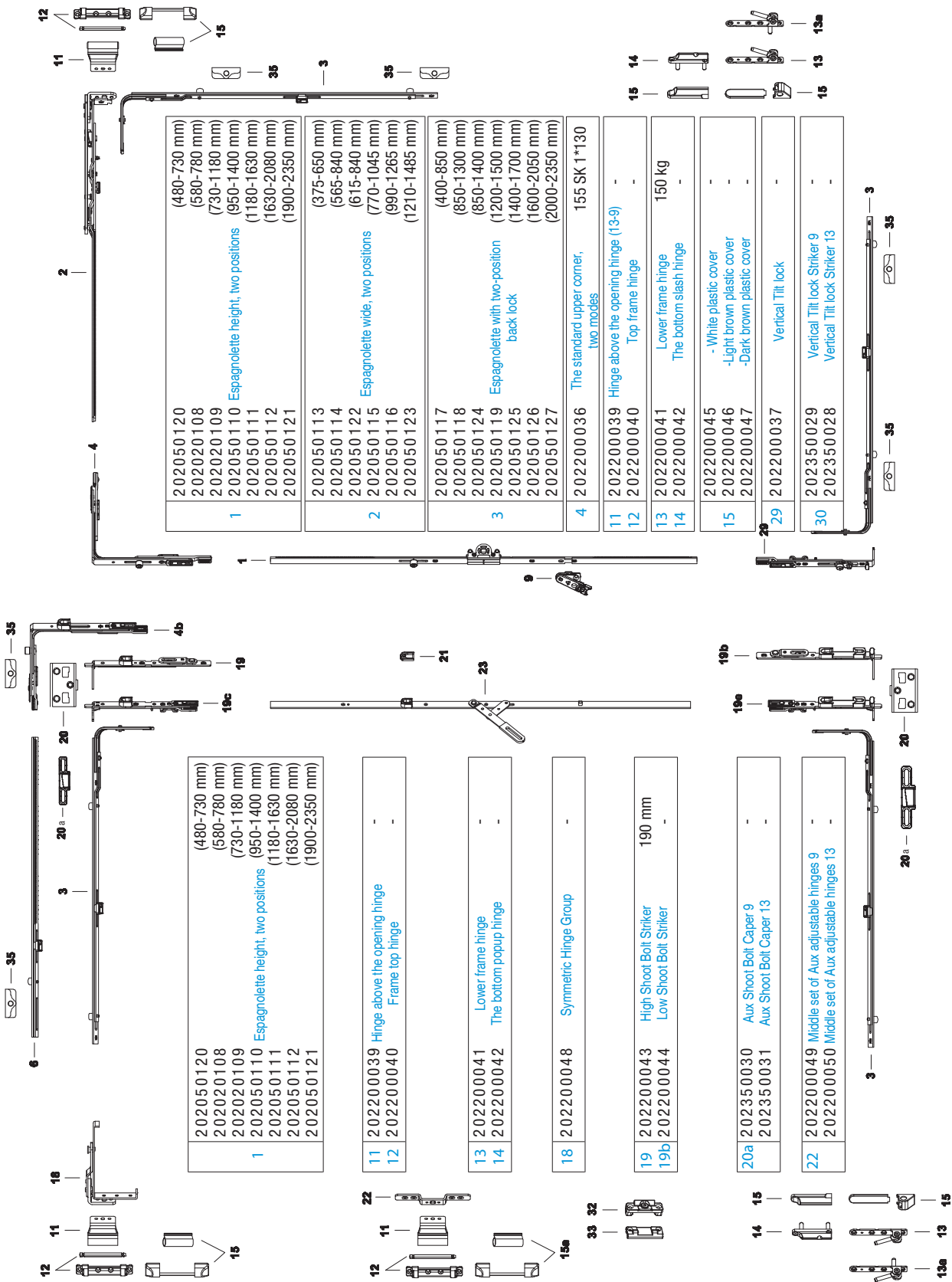
29

202200037	Vertical Tilt lock	-
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30

202350029	Dual mode lower connection keeper 9	-
202350028	Dual mode lower connection keeper 13	-

# French frame system & vertical Tilt & Turn System



1

202050120	(480-730 mm)
202020108	(580-780 mm)
202020109	(730-1180 mm)
202050110	Espagnolette height, two positions (950-1400 mm)
202050111	(1180-1630 mm)
202050112	(1630-2080 mm)
202050121	(1900-2350 mm)

2

202050113	(375-650 mm)
202050114	(565-840 mm)
202050122	(615-840 mm)
202050115	Espagnolette wide, two positions (770-1045 mm)
202050116	(990-1265 mm)
202050123	(1210-1485 mm)

3

202050117	(400-850 mm)
202050118	(850-1300 mm)
202050124	(850-1400 mm)
202050119	Espagnolette with two-position back lock (1200-1500 mm)
202050125	(1400-1700 mm)
202050126	(1600-2050 mm)
202050127	(2000-2350 mm)

4

202200036	The standard upper corner, two modes	155 SK 1*130
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11

202200039	Hinge above the opening hinge (13-9)	-
-----------	--------------------------------------	---

12

202200040	Top frame hinge	-
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13

202200041	Lower frame hinge	150 kg
-----------	-------------------	--------

14

202200042	The bottom slash hinge	-
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15

202200045	- White plastic cover	-
202200046	-Light brown plastic cover	-
202200047	-Dark brown plastic cover	-

29

202200037	Vertical Tilt lock	-
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30

202350029	Vertical Tilt lock Striker 9	-
202350028	Vertical Tilt lock Striker 13	-

1

202050120	(480-730 mm)
202020108	(580-780 mm)
202020109	(730-1180 mm)
202050110	Espagnolette height, two positions (950-1400 mm)
202050111	(1180-1630 mm)
202050112	(1630-2080 mm)
202050121	(1900-2350 mm)

11

202200039	Hinge above the opening hinge	-	
12	202200040	Frame top hinge	-

13

202200041	Lower frame hinge	-
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14

202200042	The bottom popup hinge	-
-----------	------------------------	---

18

202200048	Symmetric Hinge Group	-
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19

202200043	High Shoot Bolt Striker	190 mm
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19b

202200044	Low Shoot Bolt Striker	-
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20a

202350030	Aux Shoot Bolt Caper 9	-
202350031	Aux Shoot Bolt Caper 13	-

22





202200049	Middle set of Aux adjustable hinges 9	-
202200050	Middle set of Aux adjustable hinges 13	-

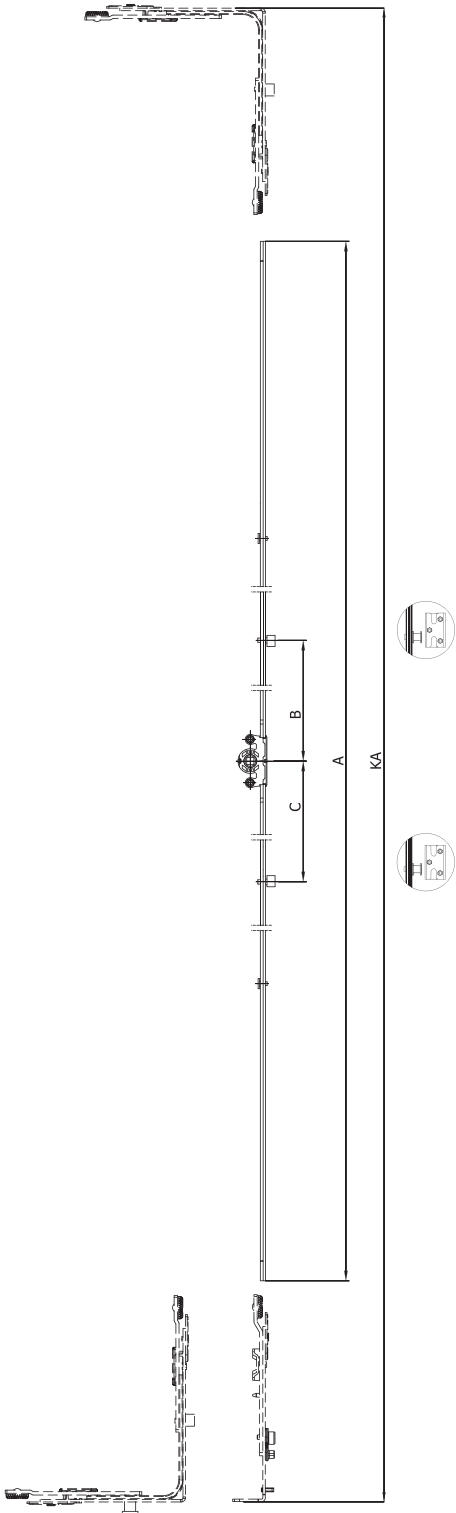
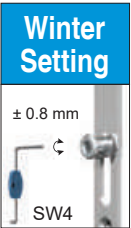
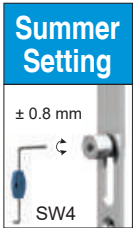
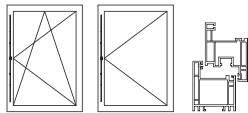


# Espagnolette Height Tilt & Turn



 Order Details

		A	B	C				
202050120	(480-730 mm)	420	-	-	-	0	0	10
202020108	(580-780 mm)	470	-	-	-	2	0	10
202020109	(730-1180 mm)	870	112.5	-	+	3	1	10
202050110	(950-1400 mm)	1090	112.5	-	+	4	1	10
202050111	(1180-1630 mm)	1320	112.5	-	+	6	1	10
202050112	(1630-2080 mm)	1770	410	360	+	7	2	10
202050121	(1900-2350 mm)	2040	410	495	+	7	2	10







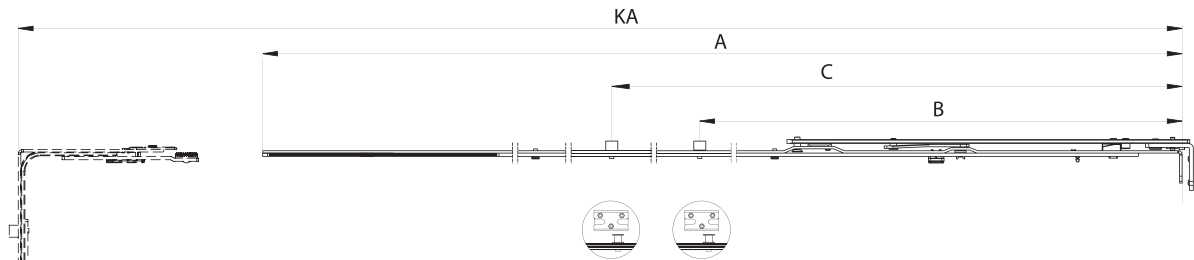
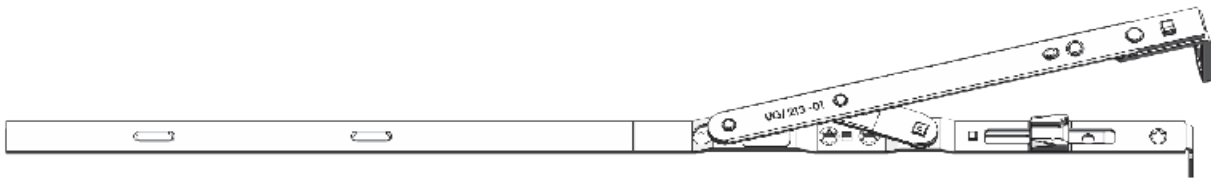
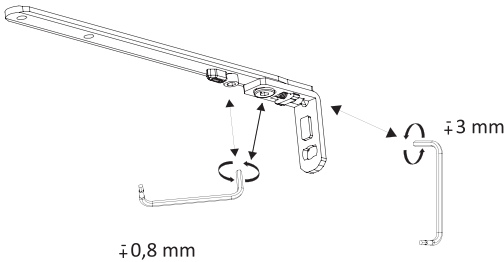
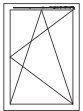


# Espagnolette widthTilt & Turn



Order Details

		A	B	C			
202050113	(375-650 mm)	490	-	-	4	0	10
202050114	(565-840 mm)	709	640	-	6	0	10
202050122	(615-840 mm)	709	420	-	6	1	10
202050115	(770-1045 mm)	914	470	-	8	1	10
202050116	(990-1265 mm)	1134	680	-	9	1	10
202050123	(1210-1485 mm)	1354	640	900	10	2	10



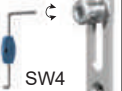
Summer  
Setting

± 0.8 mm



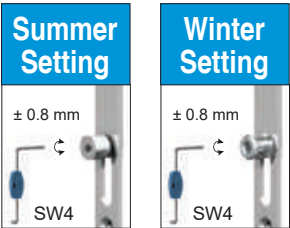
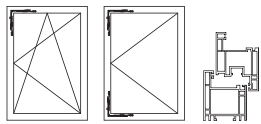
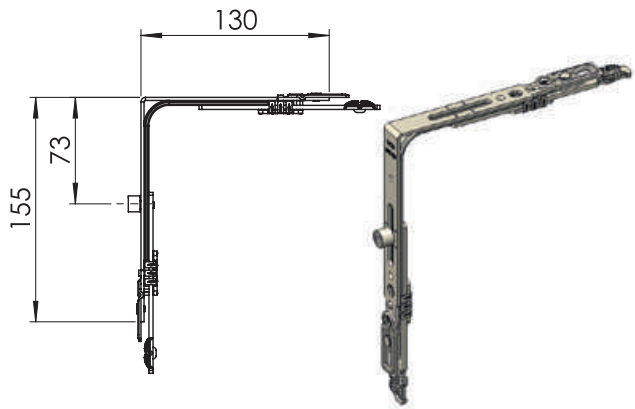
Winter  
Setting

± 0.8 mm





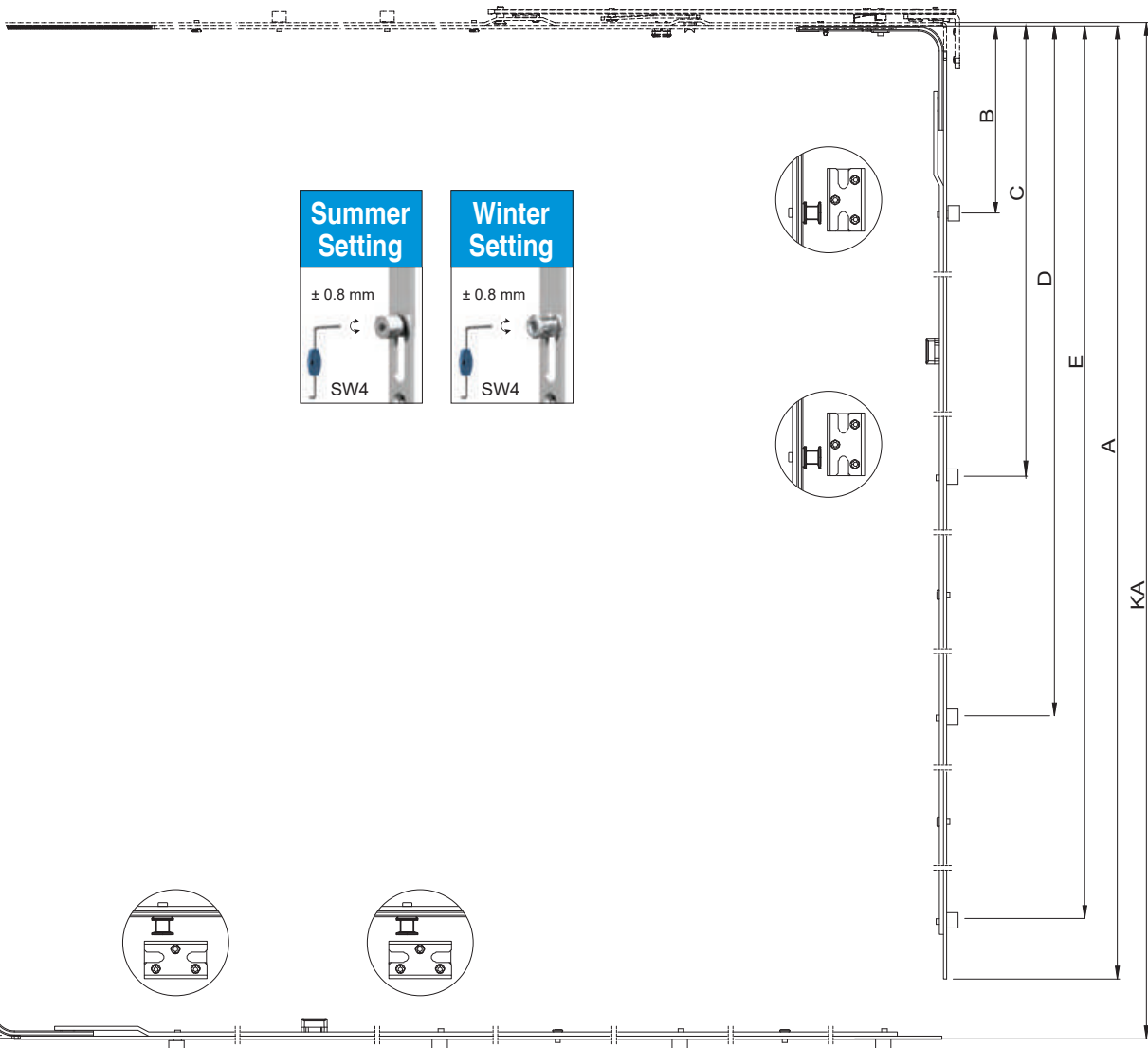
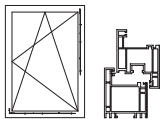
# Corner Driver Tilt & Turn



Order Details

	Product			
202200036	130*155	4	1	50

# Espagnolette back lock Tilt & Turn

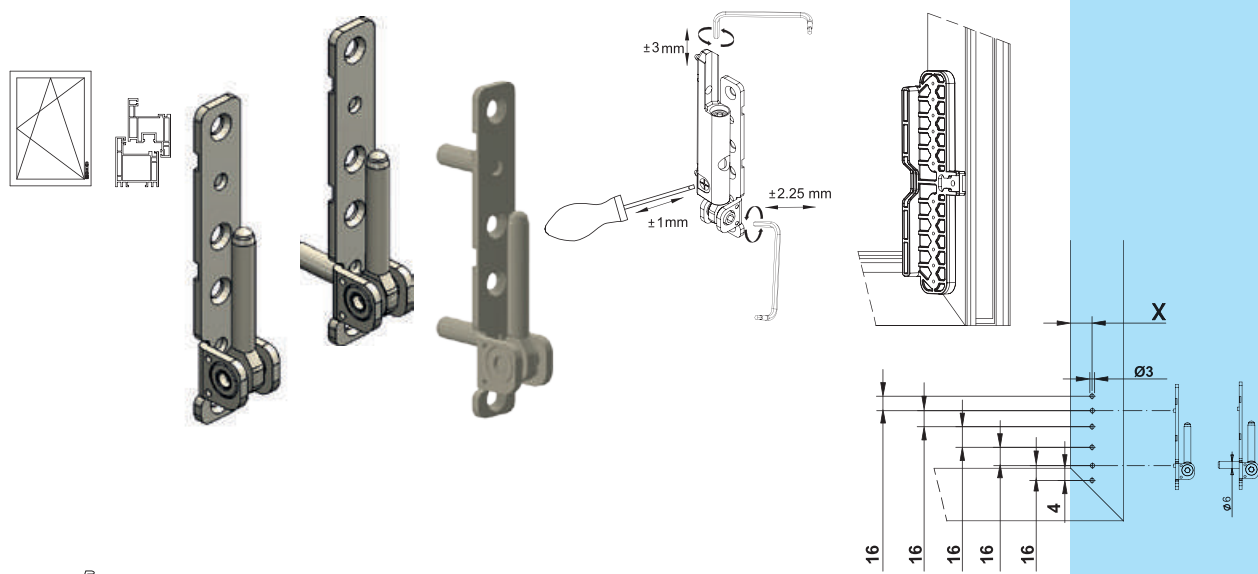


Order Details

		A	B	C	D	E			
202050117	(400-850 mm)	252.5	207.5	-	-	-	2	1	50
202050118	(850-1300 mm)	592.5	131	547.5	-	-	3	2	10
202050124	(850-1400 mm)	677.5	126.5	632	-	-	3	2	10
202050119	(1200-1500 mm)	777.5	131	732.5	-	-	4	2	10
202050125	(1400-1700 mm)	1072.5	131	579.5	1027.5	-	6	3	10
202050126	(1600-2050 mm)	1352.5	131	719.5	1307.5	-	7	3	10
202050127	(2000-2350 mm)	1752.5	131	719.5	1219.5	1707.5	8	4	10



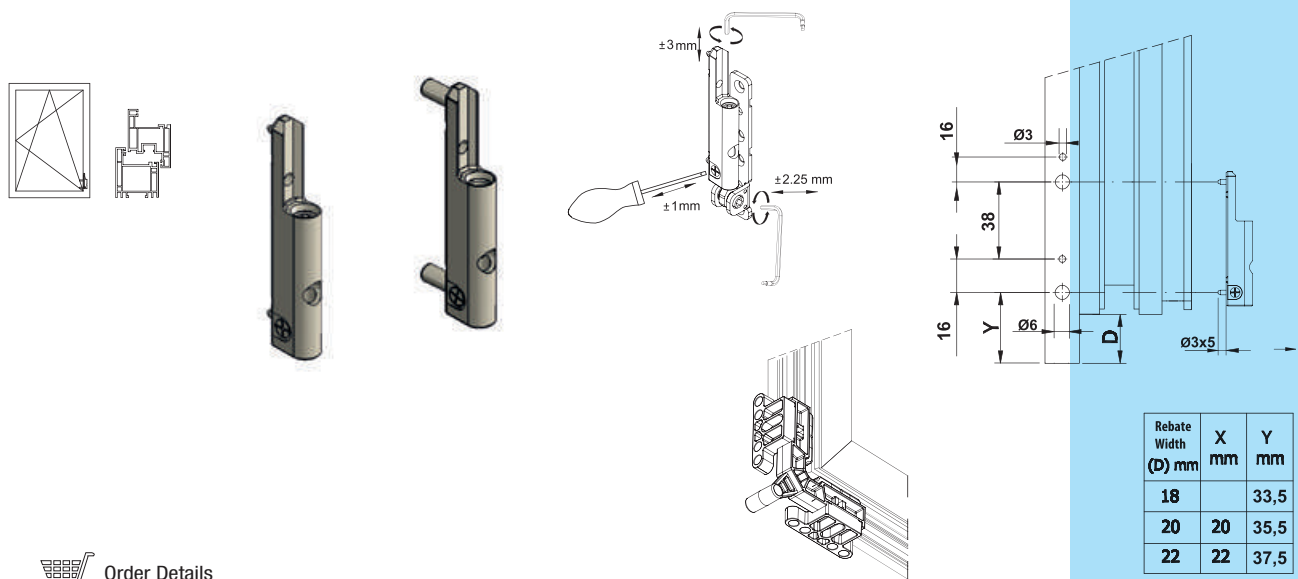
# Bottom Frame Hinge



Order Details

	Product		
202200041	Bttom Frame hing 130 kg	4	300

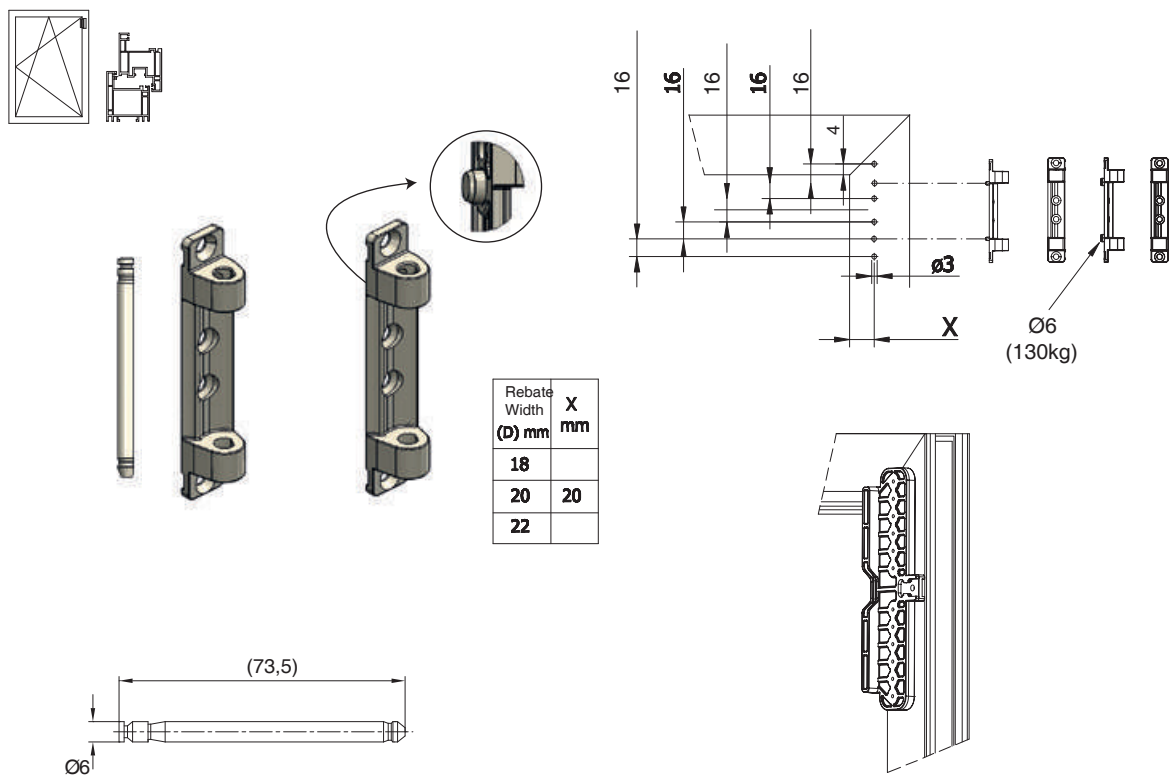
# Premium Bottom Sash Hinge



Order Details

	Product		
202200042	Premium Bottom sash hing 130 kg	-	300

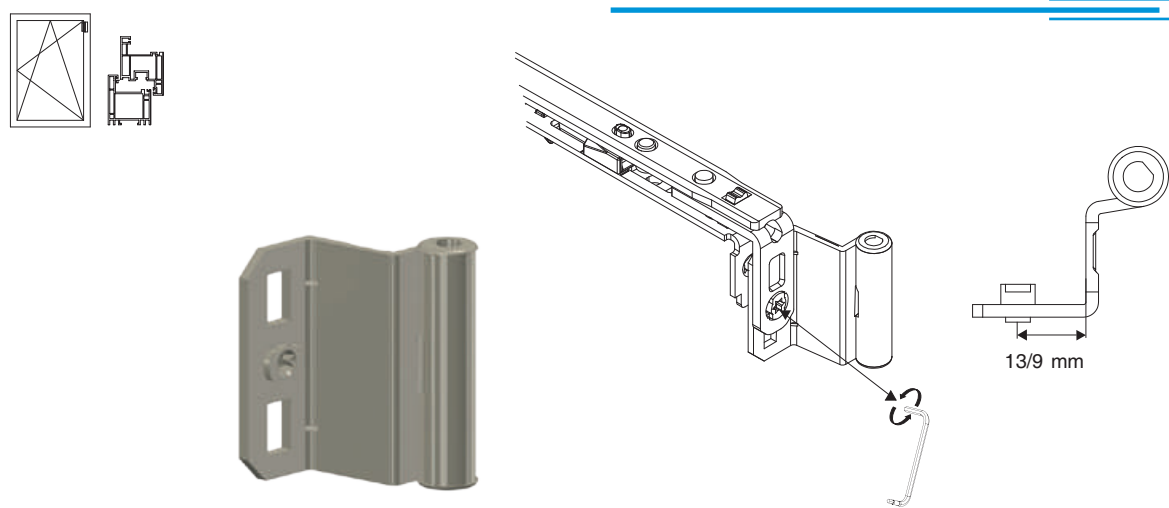
# Top Frame Hinge



Order Details

	Product		
202200038	Top Frame hing 130 kg	4	300

# Top sash hinge

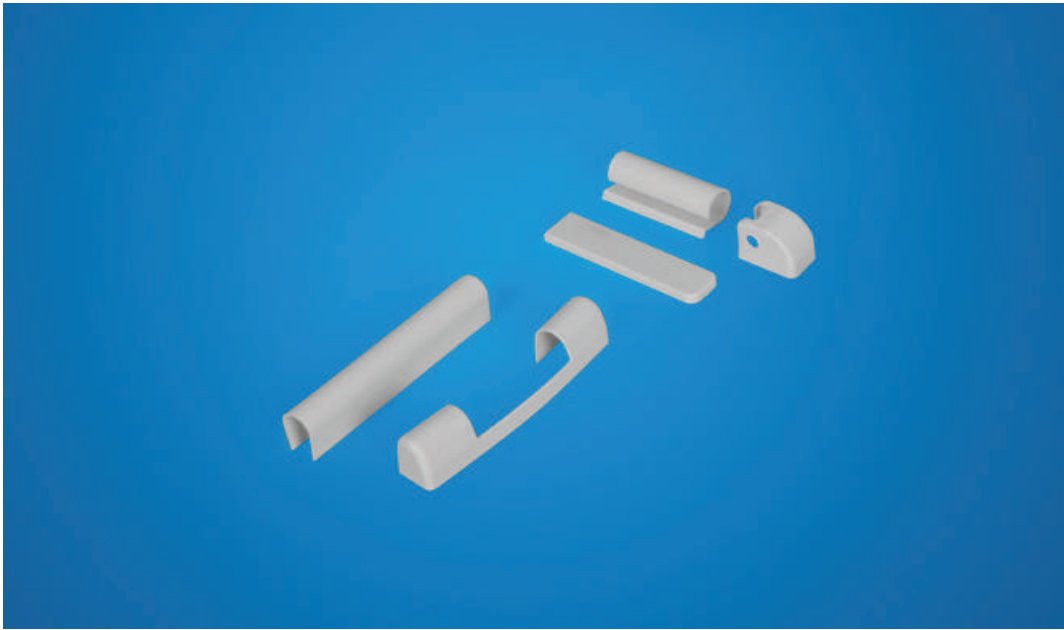
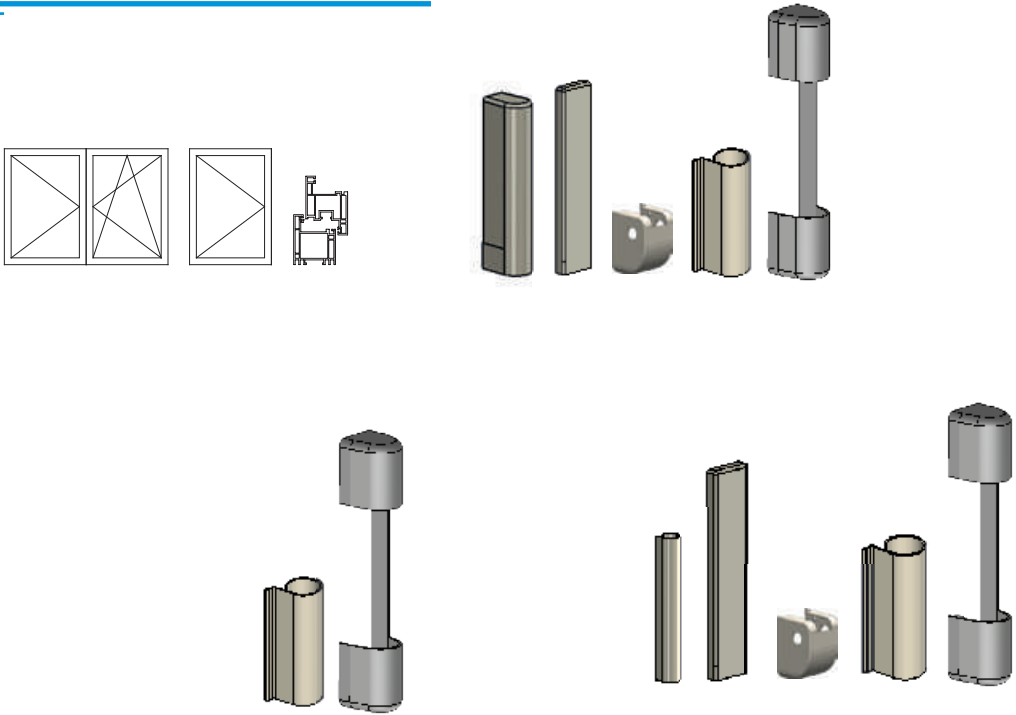


Order Details

	Product		
202200039	Top sash hing 9 mm	-	300
202200040	Top sash hing 13 mm	-	300



# Cover Caps



Order Details		
	Color	
202200045	White	100
202200046	Light Brown	100
202200047	Dark Brown	100

Ral9016	
Ral8003	
Ral8017	
Ral8019	
Ral8022	
Ral9006	

# Vertical Tilt lock



Order Details	
202200037	20

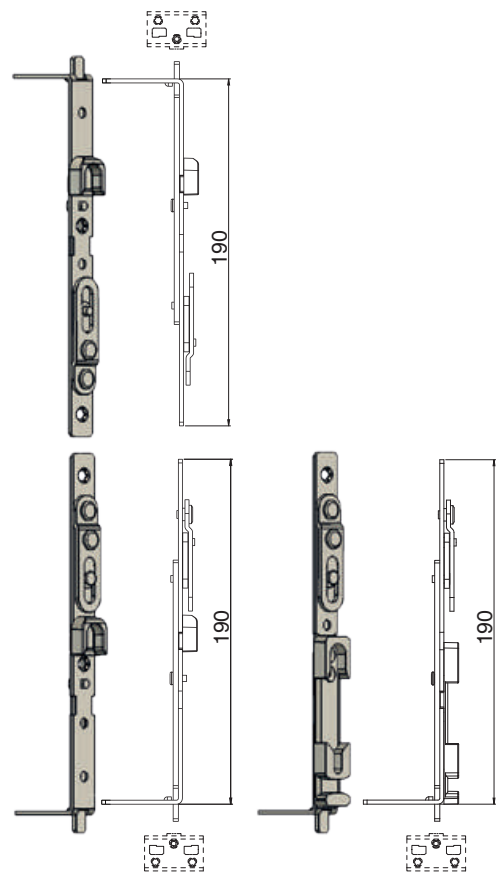
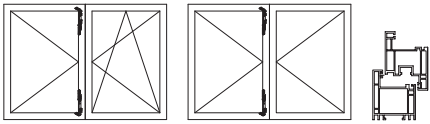
# Vertical Tilt lock Striker






Order Details	
202350028	400
202350029	400



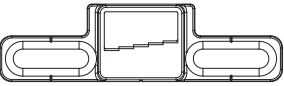
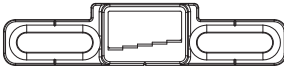
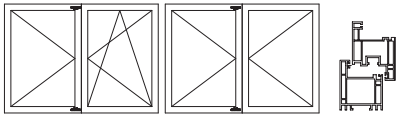
# Shoot Bolt





Order Details

	Product			
202200043	Top Shoot Bolt	3	1	100
202200044	Bottom Shoot Bolt	3	1	100

# Shoot Bolt Striker

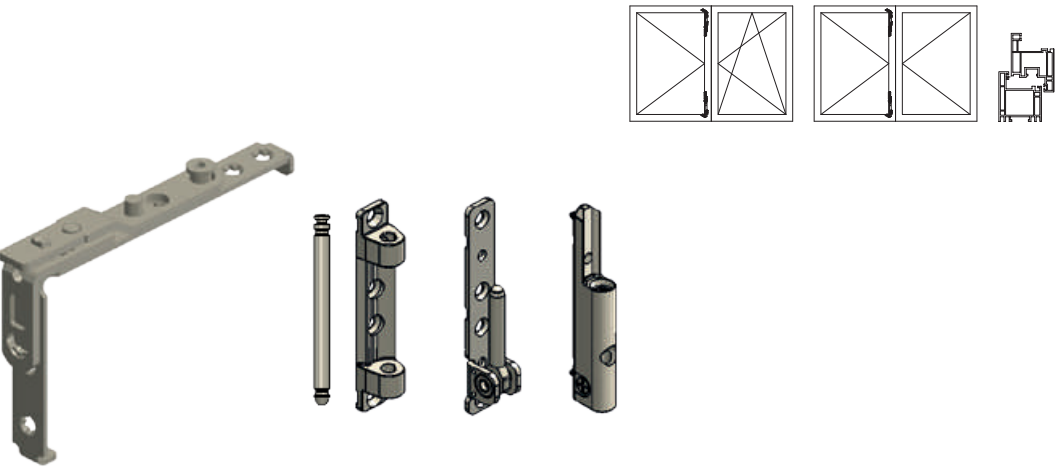


Order Details

		
202350030	2	400
202350031	2	400



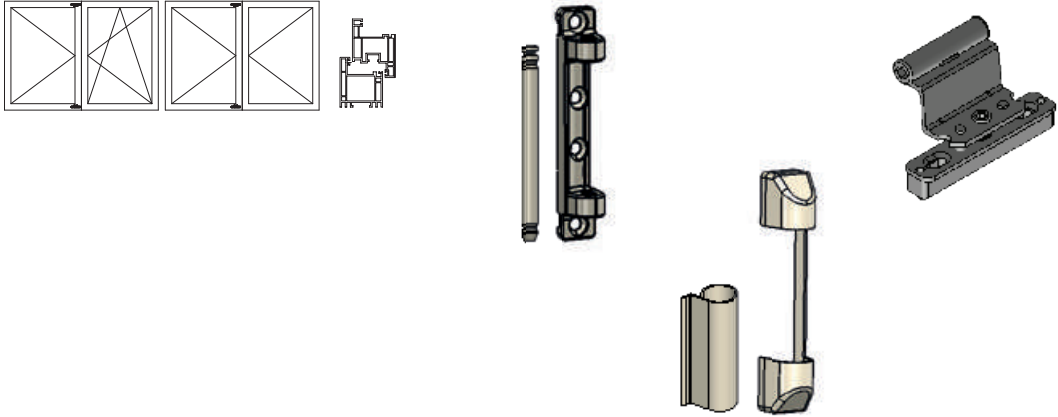
# Simmetric Hinge Group



Order Details	
202200048	50

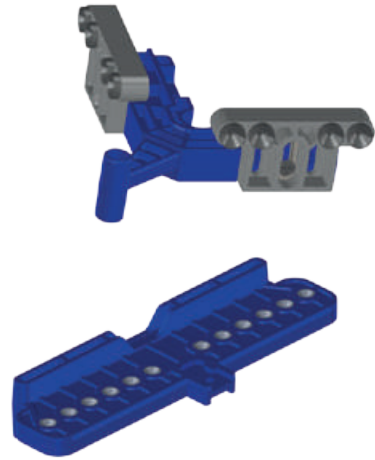
Winda

# Adj. Middle Hinge Group



Order Details	
202200049	50
202200050	50





10

**Top Frame Hinge**

**Bottom Sash Hinge**

**Frame Profile**

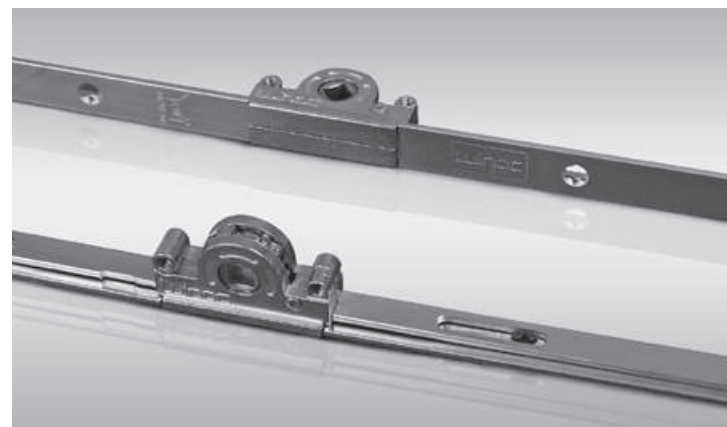
Rebate Width (D) mm	X mm	Y mm
18		24
20	20	26
22		28

**Bottom Frame Hinge**

65



# Espagnolette System...



**Winac** Design, material selection, and precision are incorporated into the Winac espagnolette to enhance its aesthetic appeal and endurance. Durable and gentle electroplating, which will guarantee the durability of the product by having to pass the strictest tests in Europe; the use of metal gears in the mechanism to be resistant to wear and corrosion and to ensure the optimal performance of the espagnolette, as well as to extend the life of the mechanism. In addition, the use of zamak and metal gear frames, which reduce noise and provide smooth movement in the mechanism's functioning, is evidence that all values necessary for the creation of high-quality goods have been appraised.

- High resistance to a 40 Nm torque force, corresponding to a 40 kg weight on the handle
- Increased strength and safety in addition to good window sealing due to the unique design of the espagnolette in diameters ranging from 400 to 2000 mm and the number of four sealing points (pin and keeper bush)
- Reducing corrosion and wear of the keeper caused by the bush's sliding on the keeper
- The potential to configure winter and summer pin keeper
- Capability to manufacture with special coatings (olive and gold colors) that have more corrosion resistance than the ordinary manufacturing grade (960 hours of red corrosion equivalent to 10 times more) for usage in high-humidity situations.
- Packaging that is distinctive and assures the high quality of Winac products.
- Service after the sale and a 10- year performance guarantee





# Turn Espagnolette (Zamac Gearbox)

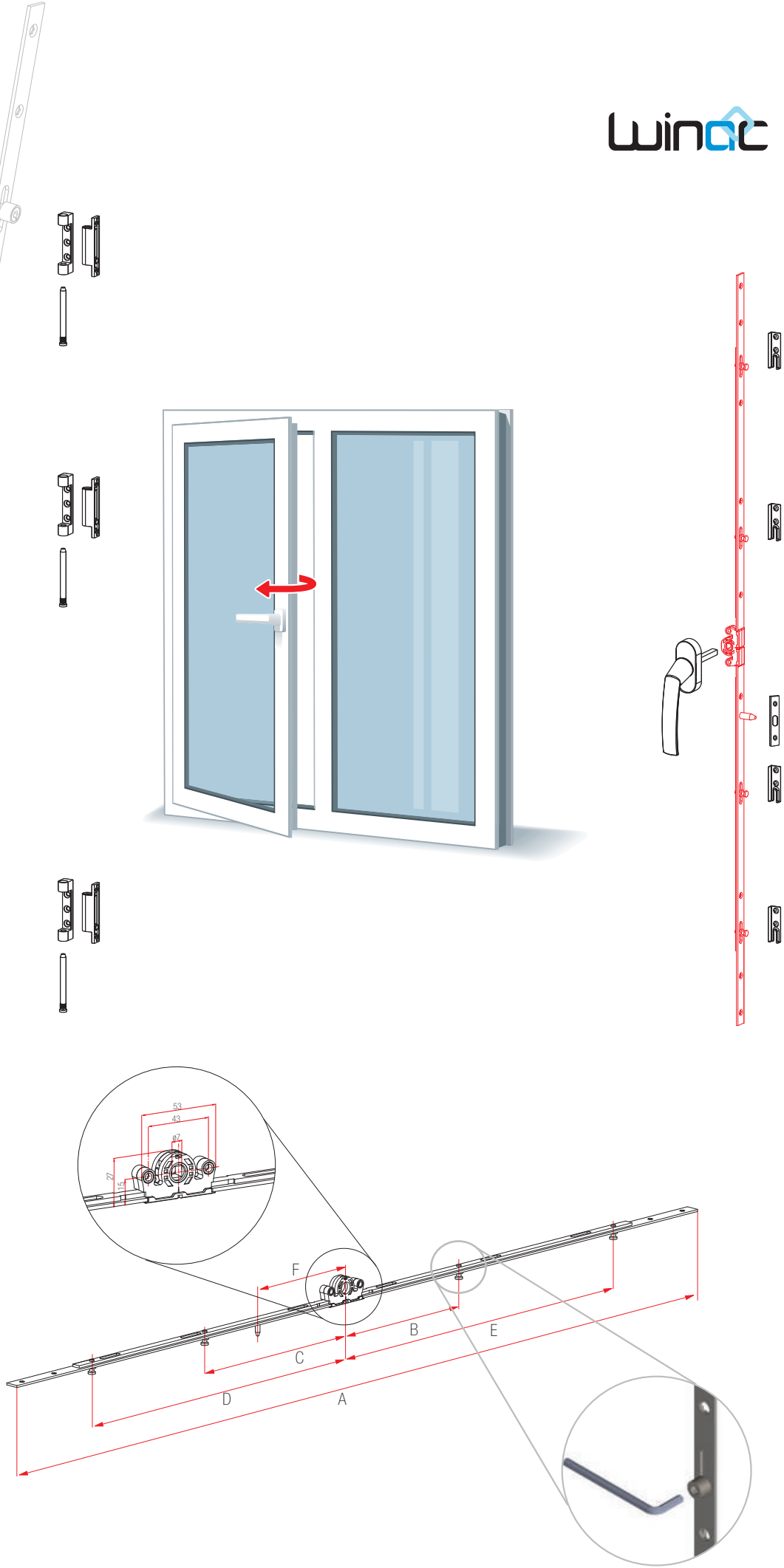
## Hardware Technical Details

Usage Range: Min 310mm - Max 2200mm  
 Axis: 15 mm  
 Body Type: w/ironSheet  
 Security Level: w/Eccentric-Security Pin

## Order Details

EP	GP	X	Amount	Kg
1000.0280.0.1	1059.0280.0.1	-	50	7.800
1001.0400.0.1	1060.0400.0.1	-	50	10.000
1002.0600.0.1	1061.0600.0.1	-	50	13.500
1003.0800.0.1	1062.0800.0.1	-	25	9.000
1004.1000.0.1	1063.1000.0.1	-	25	14.000
1005.1200.0.1	1064.1200.0.1	-	25	13.000
1006.1400.0.1	1065.1400.0.1	-	25	15.500
1007.1600.0.1	1066.1600.0.1	-	25	17.000
1008.1800.0.1	1067.1800.0.1	-	10	8.000
1009.2000.0.1	1068.2000.0.1	-	10	9.000

KA	A	B	C	D	E	F		
280-300	300	-	-	80	80	-	2	2
400-600	400	-	-	132	132	-	4	2
600-800	600	-	-	171	171	-	6	2
800-1000	800	-	-	271	271	-	8	2
1000-1200	1000	132	-	371	371	-	10	3
1200-1400	1200	132	-	471	471	-	11	3
1400-1600	1400	132	226.5	571	571	-	12	4
1600-1800	1600	132	343	671	671	-	13	4
1800-2000	1800	132	368	771	771	-	14	4
2000-2200	2000	251.5	251.5	871	871	-	16	4











# Turn Espagnolette (Metal Gearbox)

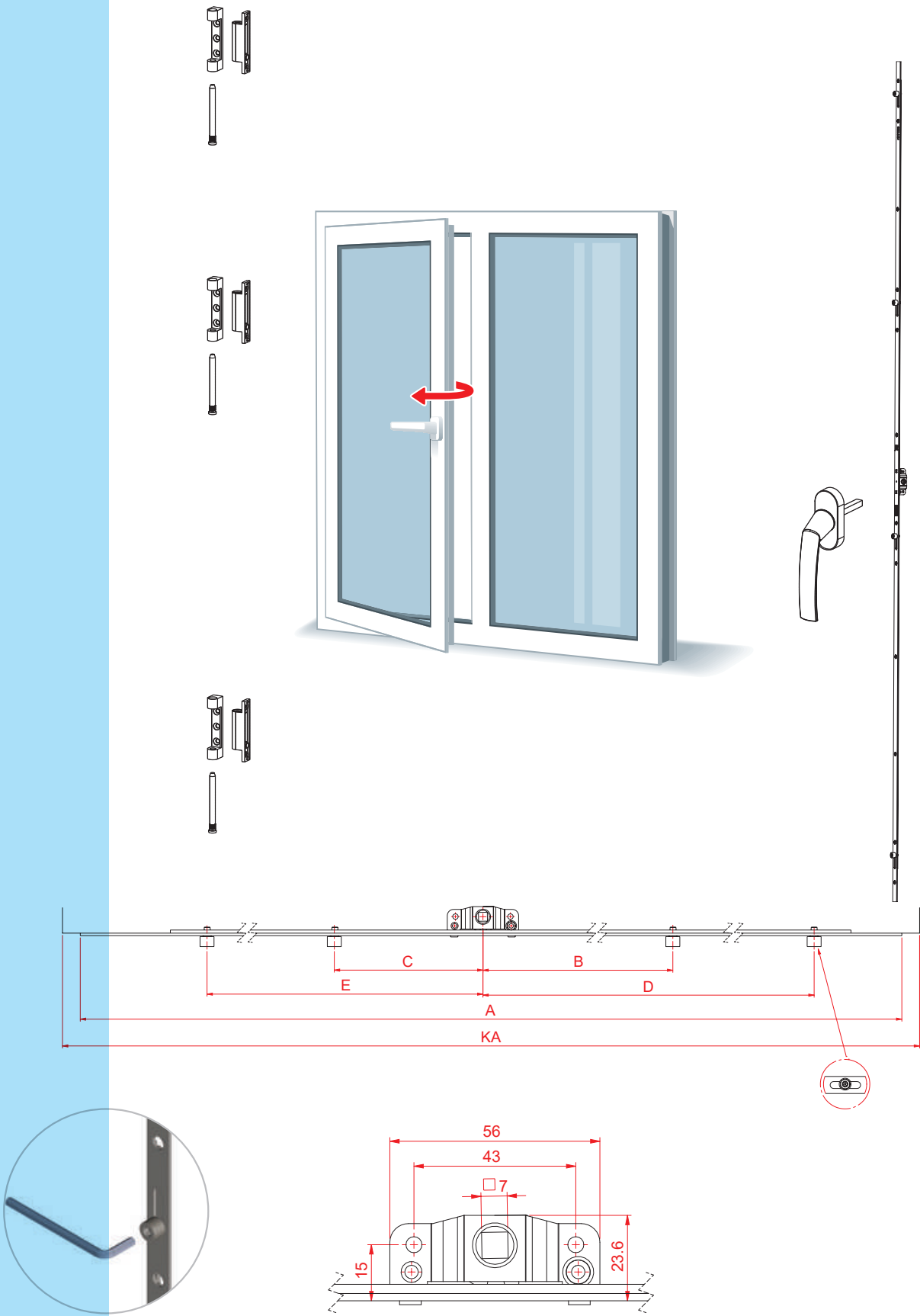
Hardware Technical Details

Usage Range: Min 310mm - Max 2200mm  
Axis: 15 mm  
Body Type: w/ironSheet  
Security Level: w/Eccentric-Security Pin

Order Details

 EP	 GP	 X		
			Amount	Kg
1014.0280.0.1	-	-	50	7.800
1015.0400.0.1	-	-	50	9.000
1016.0600.0.1	-	-	50	13.000
1017.0800.0.1	-	-	25	8.500
1018.1000.0.1	-	-	25	10.500
1019.1200.0.1	-	-	25	13.000
1020.1400.0.1	-	-	25	14.500
1021.1600.0.1	-	-	25	17.000
1022.1800.0.1	-	-	10	8.000
1023.2000.0.1	-	-	10	8.500

KA	A	B	C	D	E	F		
280-300	280	-	-	80	80	-	2	2
400-600	400	-	-	132	132	-	4	2
600-800	600	-	-	171	171	-	6	2
800-1000	800	-	-	271	271	-	8	2
1000-1200	1000	132	-	371	371	-	10	3
1200-1400	1200	132	-	471	471	-	11	3
1400-1600	1400	132	226.5	571	571	-	12	4
1600-1800	1600	132	343	671	671	-	13	4
1800-2000	1800	132	368	771	771	-	14	4
2000-2200	2000	251.5	251.5	871	871	-	16	4





# Lockable Door Espagnolette

## Hardware Technical Details

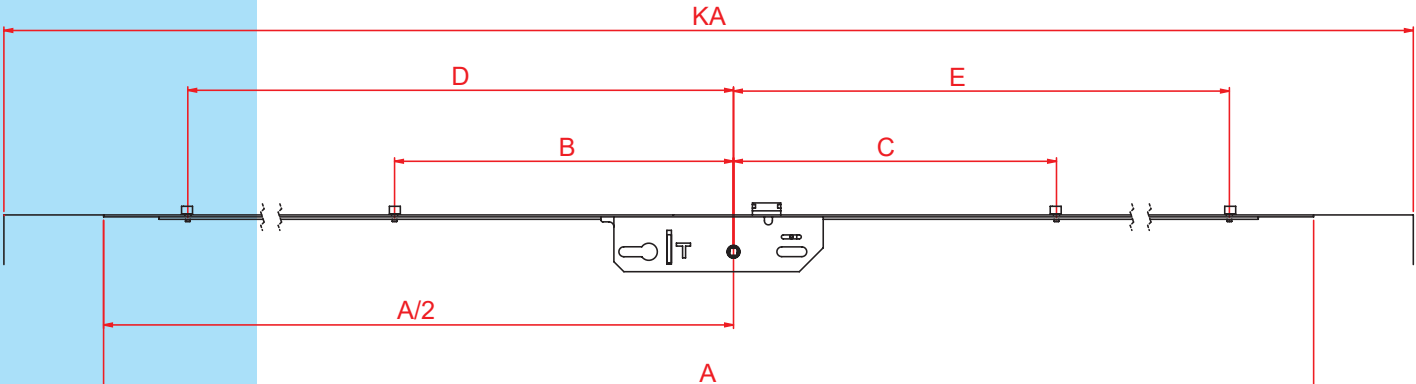
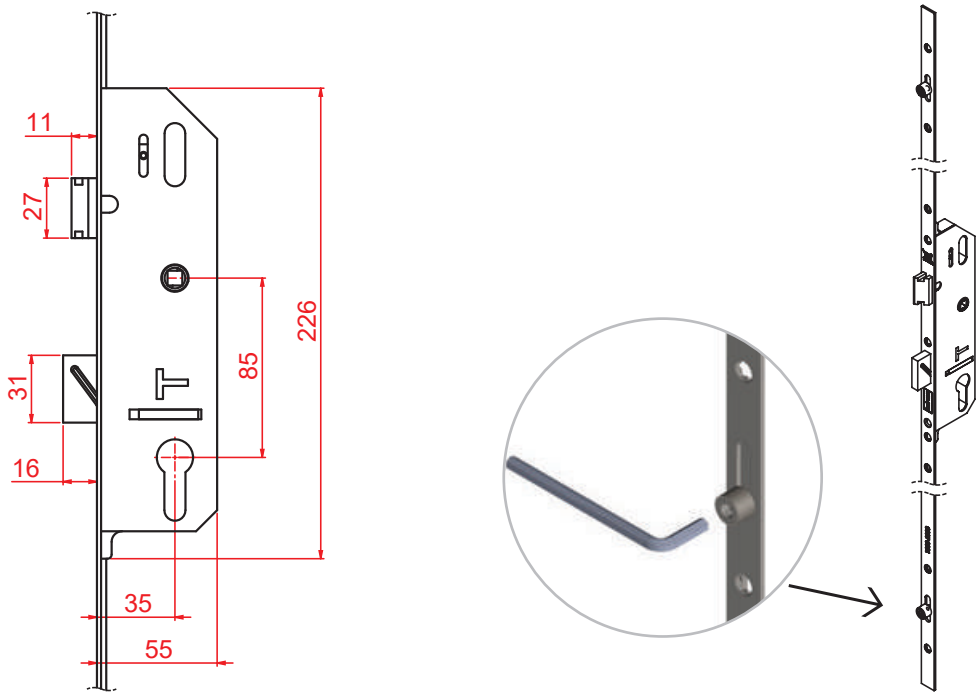
KY - Sash Height: 1600 mm - 2400 mm  
GT - Body Type: Polymer - Plated alloy steel  
Working Style: Handle Operated  
Axis Handle: 85 mm  
Lock Axle: 35 mm



## Order Details

EP	GP	X	Amount	
			Amount	Kg
1071.2000.0.1	-	-	10	11.000
1072.1800.0.1	-	-	10	10.000
1080.1600.0.1	-	-	10	9.000

KA	A	A/2	B	C	D	E	Screw	Pin
2000-2200	2000	1000	292	292	871	871		
1800-2000	1800	900	332	332	771	771	14	4
1600-1800	1600	800	332	332	671	671	14	4





# Lockable Door Espagnolette

Hardware Technical Details

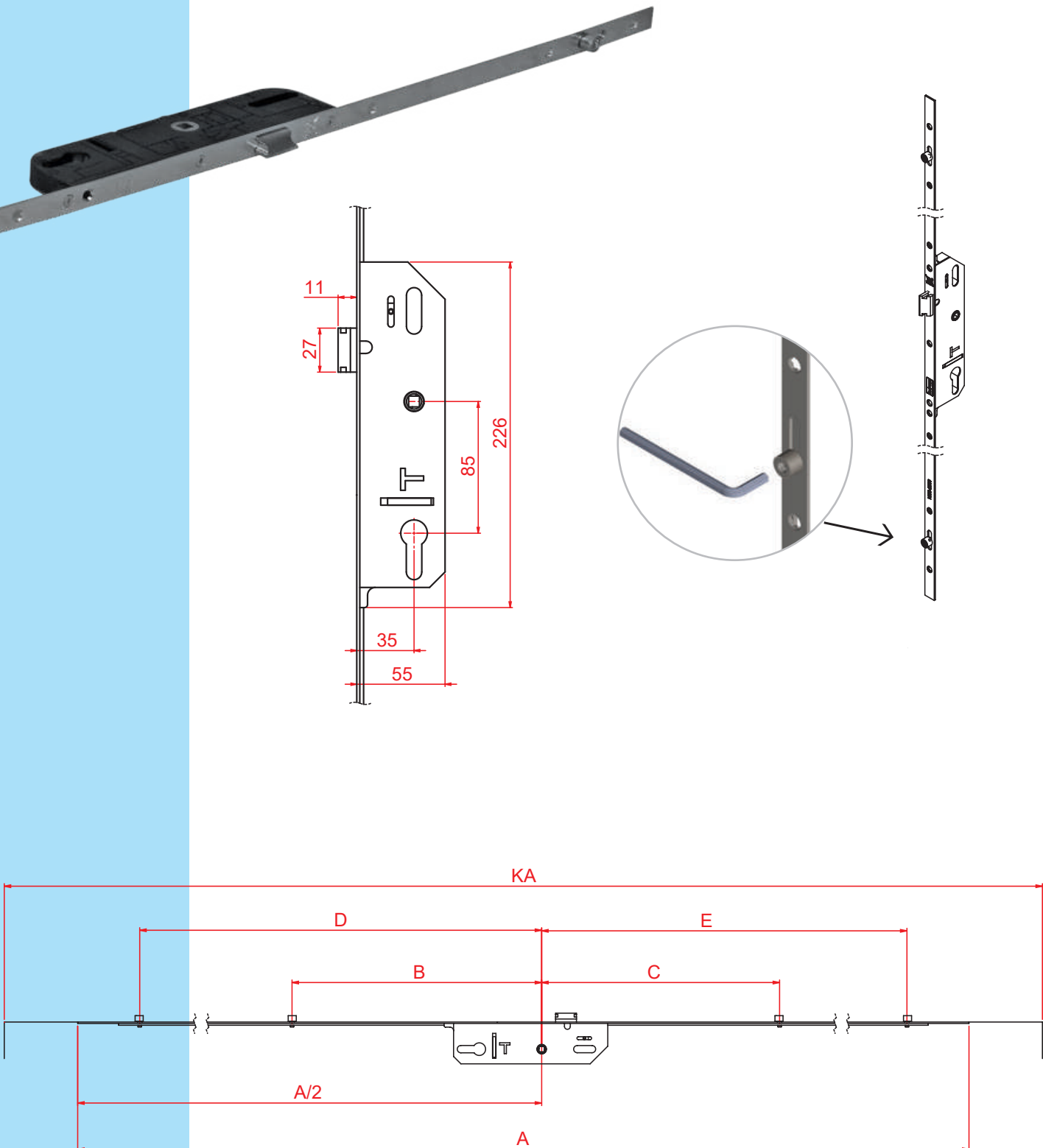
KY - Sash Height: 1600 mm - 2400 mm  
GT - Body Type: Polymer - Plated alloy steel  
Working Style: Handle Operated  
Axis Handle: 85 mm  
Lock Axle: 35 mm



Order Details

EP	GP	X		
			Amount	Kg
1073.2000.0.1	-	-	10	11.000
1074.1800.0.1	-	-	10	10.000
1081.1600.0.1	-	-	10	9.000

KA	A	A/2	B	C	D	E		
2000-2200	2000	1000	292	292	871	871	16	4
1800-2000	1800	900	332	332	771	771	14	4
1600-1800	1600	800	332	332	671	671	14	4









# Lockable Door Espagnolette



## Hardware Technical Details

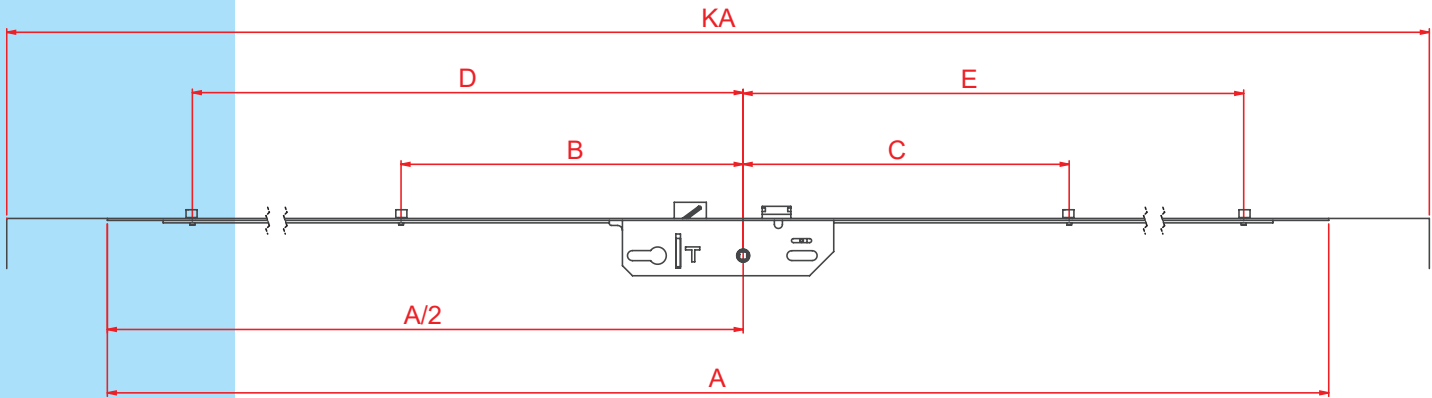
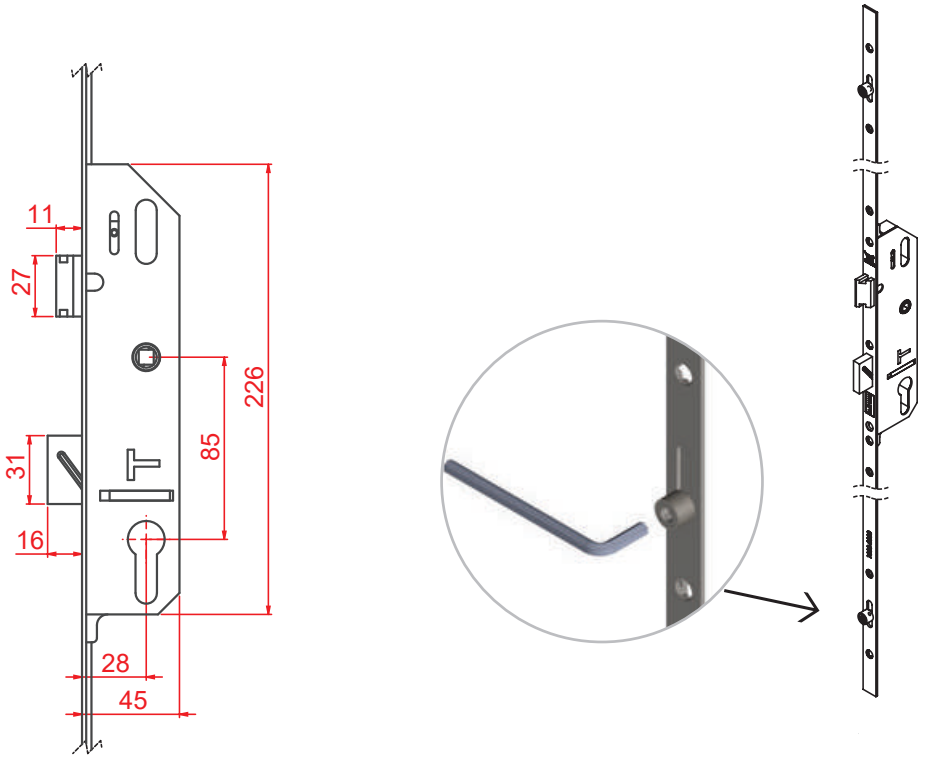
KY - Sash Height: 1600 mm - 2400 mm  
GT - Body Type: Polymer - Plated alloy steel  
Working Style: Handle Operated  
Axis Handle: 85 mm  
Lock Axle: 28 mm



### Order Details

 EP	 GP	 X		
			Amount	Kg
1073.2000.0.1	-	-	10	11.000
1074.1800.0.1	-	-	10	10.000
1081.1600.0.1	-	-	10	9.000

KA	A	A/2	B	C	D	E		
2000-2200	2000	1000	292	292	915.5	915.5	14	4
1800-2000	1800	900	332	332	815.5	815.5	12	4
1600-1800	1600	800	332	332	715.5	715.5	12	4





# Lockable Door Espagnolette

## Hardware Technical Details

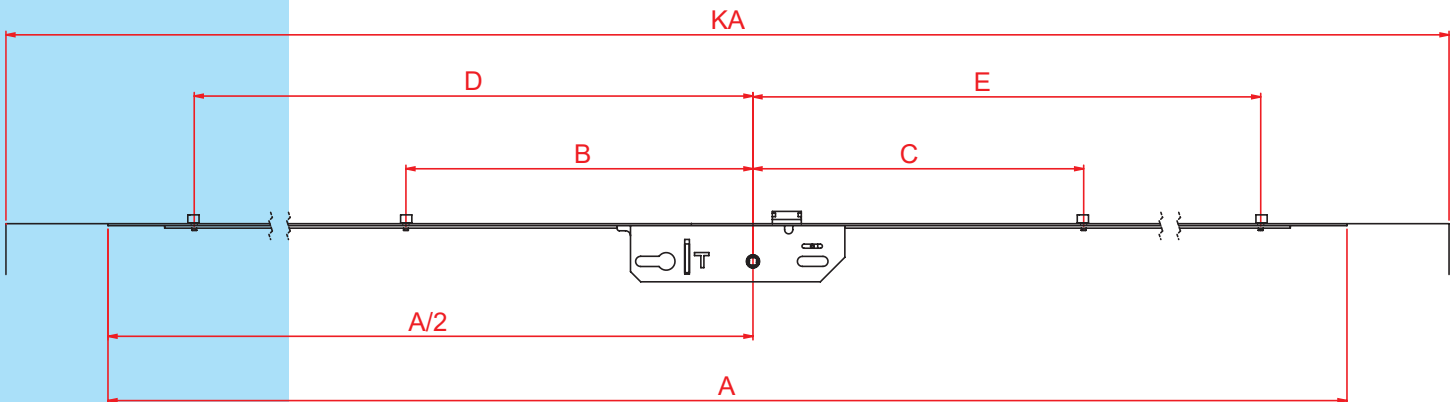
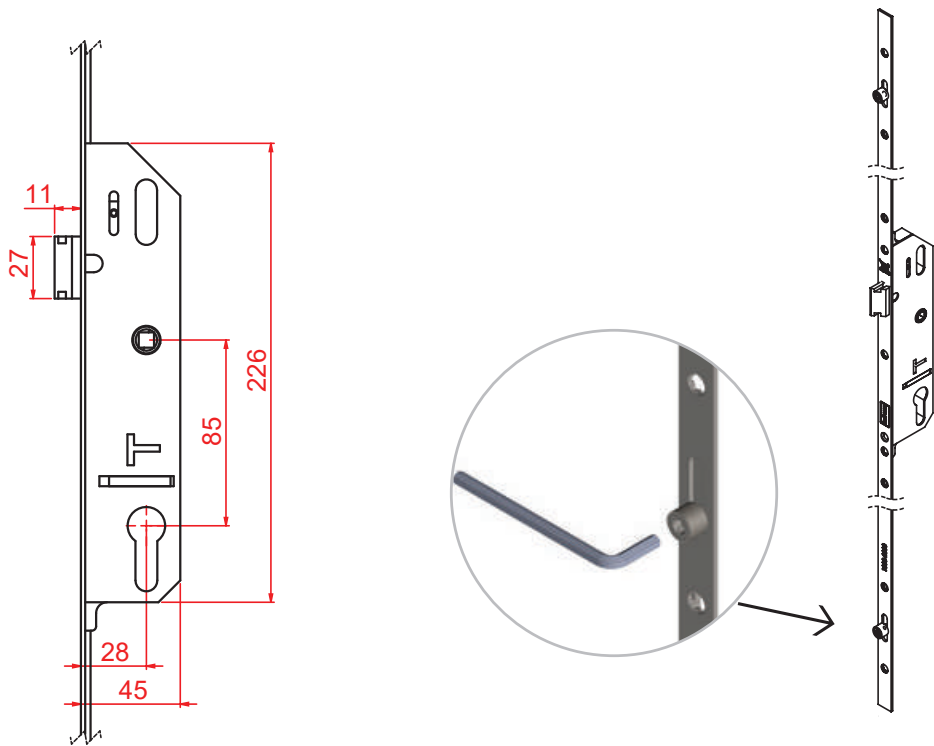
KY - Sash Height: 1600 mm - 2400 mm  
GT - Body Type: Polymer - Plated alloy steel  
Working Style: Handle Operated  
Axis Handle: 85 mm  
Lock Axle: 28 mm



## Order Details

EP	GP	X	Amount	
			Amount	Kg
1077.2000.0.1	-	-	10	11.500
1078.1800.0.1	-	-	10	10.500
1083.1600.0.1	-	-	10	9.500

KA	A	A/2	B	C	D	E	Screws	
2000-2200	2000	1000	292	292	915.5	915.5	14	4
1800-2000	1800	900	332	332	815.5	815.5	12	4
1600-1800	1600	800	332	332	715.5	715.5	12	4





# 22 mm Backset Turn Espagnolette

## Hardware Technical Details

Usage Range: Min 1600 mm - Max 2200 mm





Axis: 22 mm



Body Type: Zamac

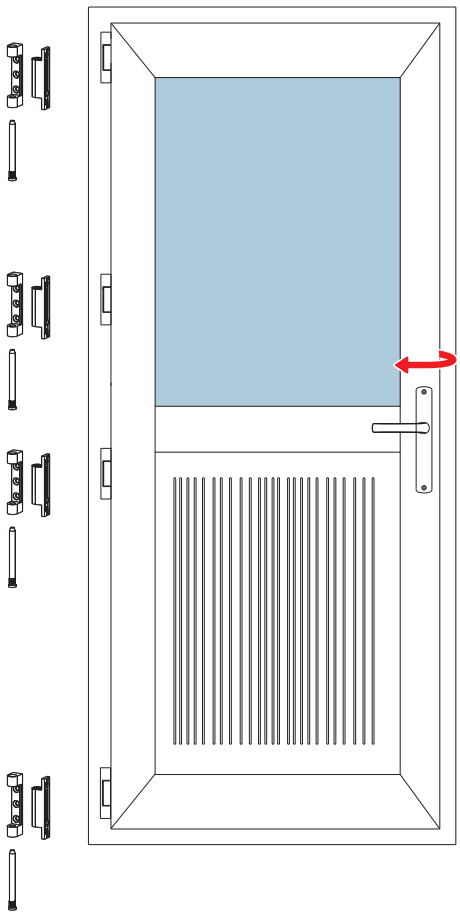
Security Level: w/Eccentric-Security Pin



## Order Details

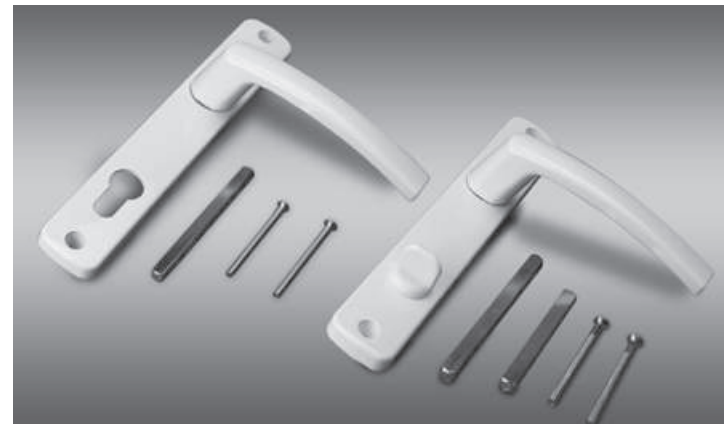
 EP	 GP	 X		
			Amount	Kg
1112.1600.0.1	-	-	10	8.000
1112.1800.0.1	-	-	10	8.500
1123.2000.0.1	-	-	10	9.000

KA	A	B	C	D	E	F		
1600-1800	1600	132	343	671	871	-	13	4
1800-2000	1800	132	368	771	771	-	14	4
2000-2200	2000	251.5	251.5	871	671	-	16	4





# HANDLE Door & Window...



Winac

In the design and construction of the present handle, an effort was made to produce gentle and volumetric arches, in addition to producing a stylish and attractive look, in order to improve the ergonomic capabilities of the handle and give the user with a pleasant experience brought in addition to its geometric characteristics, the metal frame encased within the handle will strengthen its resistance to applied forces and ensure its longevity.

- Aluminum window handle
- Plastic window handle
- Service handle
- Switch handle
- Technological adaptations of ergonomic design and smooth functioning
- Utilization of synthetic polymer raw materials
- Using micron additives to generate a cleaning-friendly surface layer
- Superior surface coating on all four sides of the steel
- Resistant to impact, bending and wear
- Unique packaging that confirms the high quality of Winac products
- Elegant and wonderful

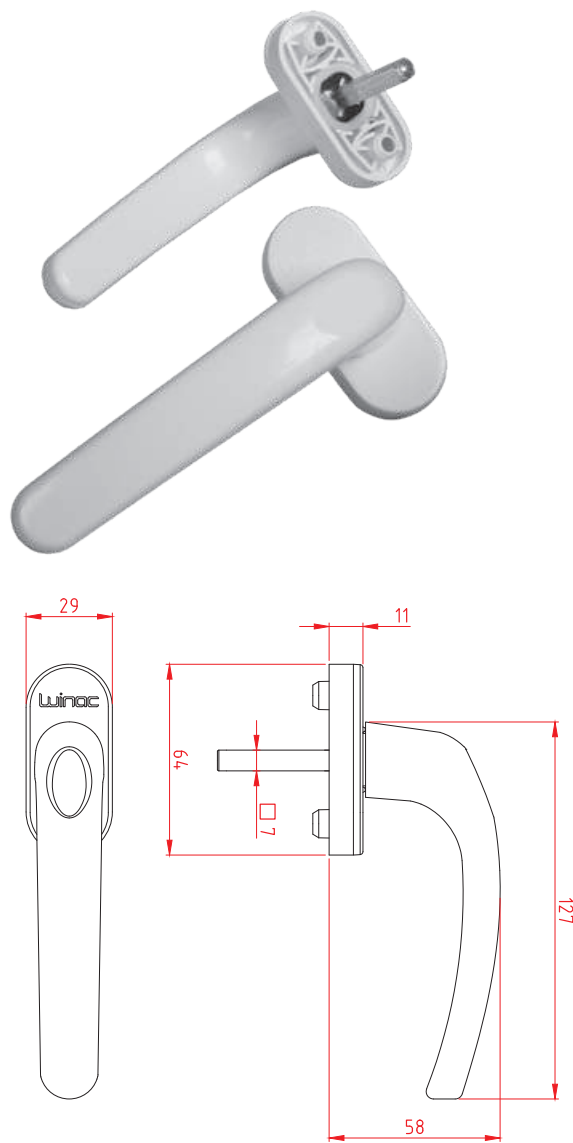




# Plastic Window Handle

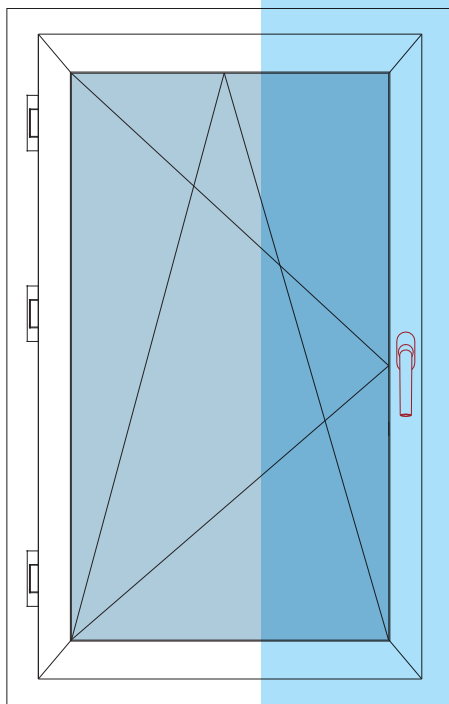
## Hardware Technical Details

Usage: Window  
GT - Body Type: Polymer - Plated alloy steel



### Order Details

		Amount	Kg
1014.0000.0.2	2	50	5.500
1014.0000.0.3	2	50	5.500
1014.0000.0.4	2	50	5.500

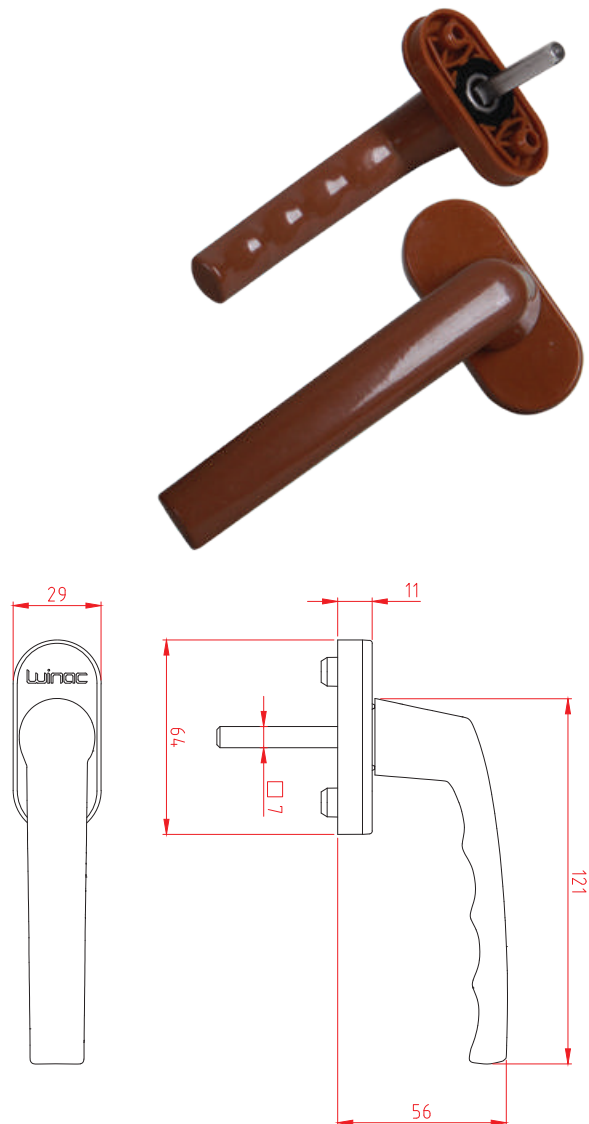


Ral 9016  
Ral 8003  
Ral 8017  
Ral 8019  
Ral 8022  
Ral 9006

# Aluminum Window Handle

## Hardware Technical Details

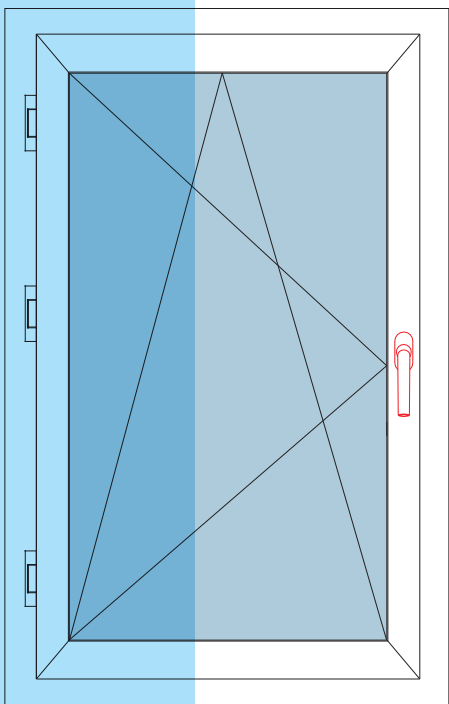
Usage: Window  
GT - Body Type: Aluminium - Plated alloy steel



### Order Details

		Amount	Kg
1057.0000.0.2	2	50	8.500
1057.0000.0.3	2	50	8.500
1057.0000.0.4	2	50	8.500

Ral 9016  
Ral 8003  
Ral 8017  
Ral 8019  
Ral 8022  
Ral 9006

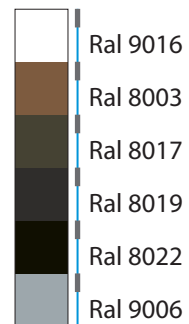
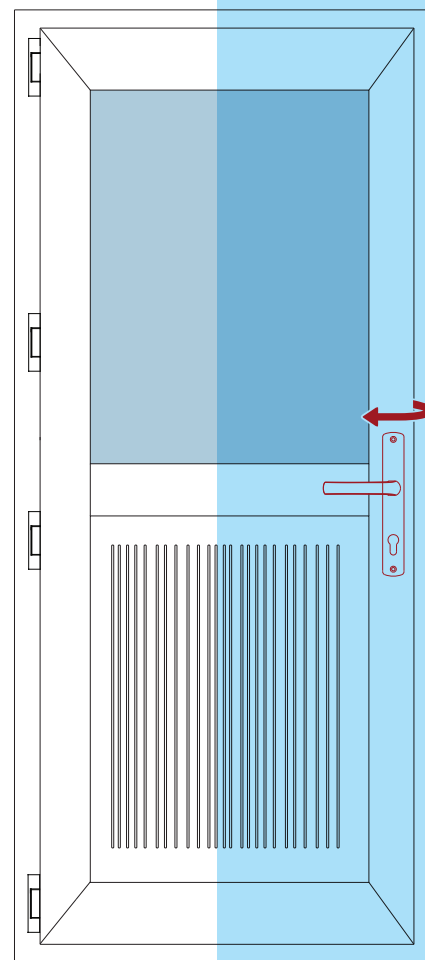
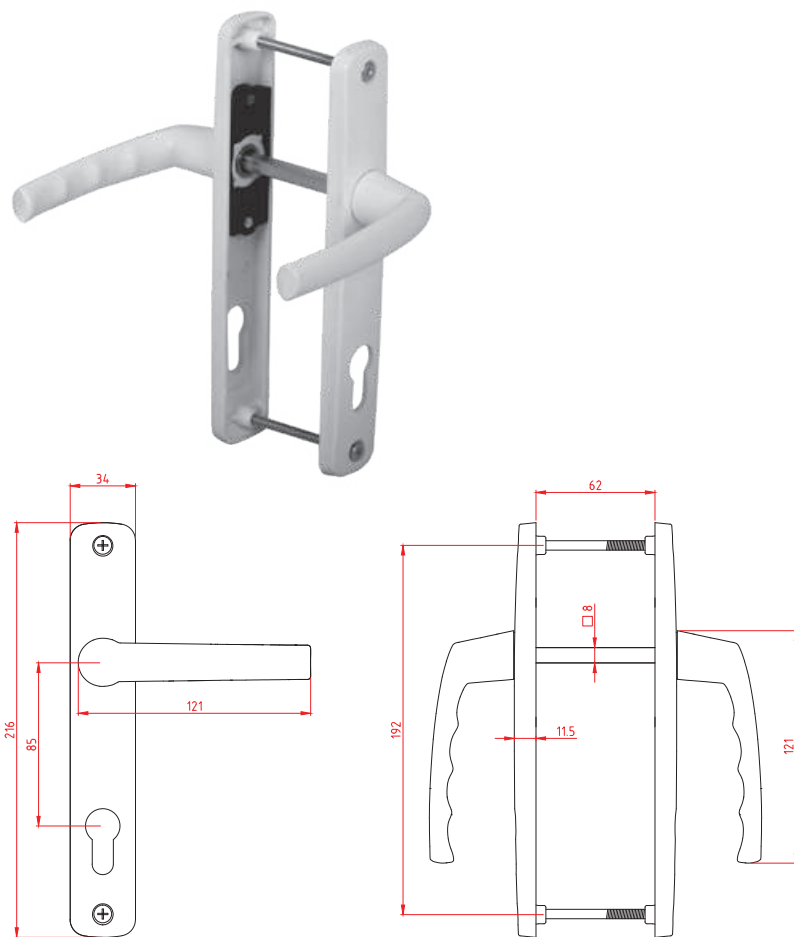




# Aluminum Door Handle

## Hardware Technical Details

Usage: Internal Doors  
GT - Body Type: Aluminium  
Type: With Spring 90 mm  
YK- Surface Coating:  
Electrostatic Powder Paint



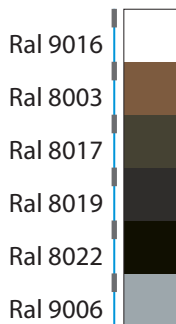
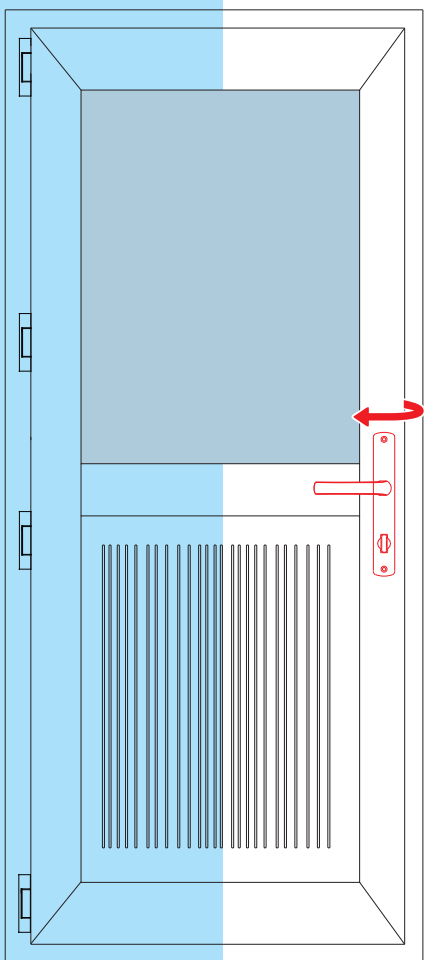
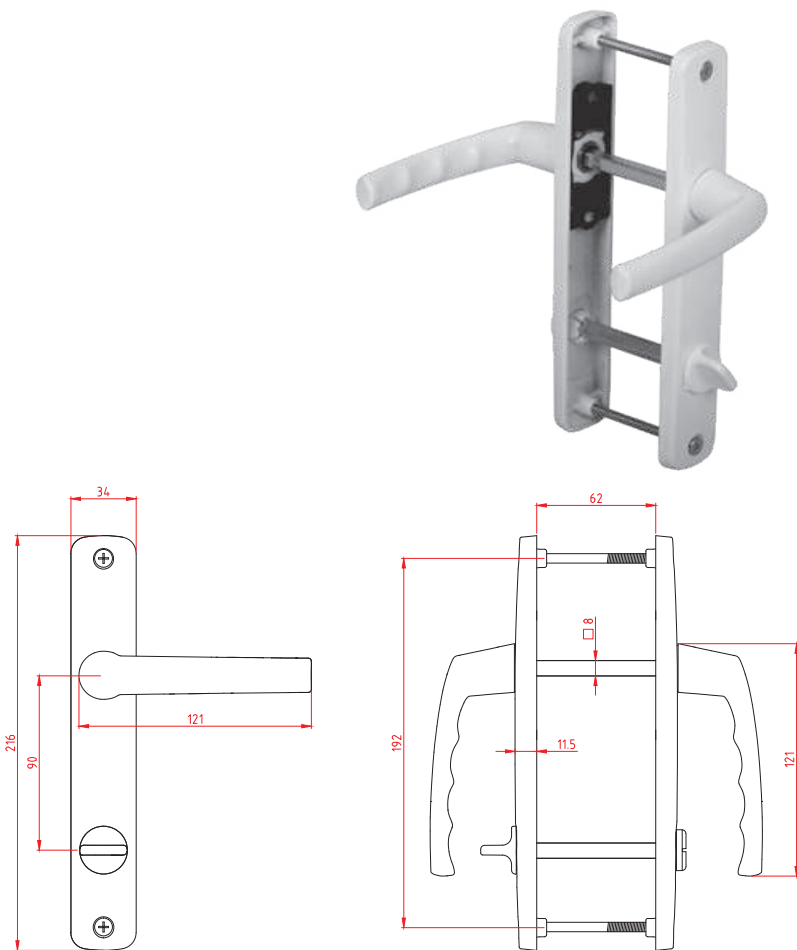
## Order Details

	A	B		Amount	Kg
1059.0000.0.2	35	85	2	30	12
1059.0000.0.3	35	85	2	30	12
1059.0000.0.4	35	85	2	30	12
1070.0000.0.2	28	85	2	30	12
1070.0000.0.3	28	85	2	30	12
1070.0000.0.4	28	85	2	30	12

# Aluminum WC Handle

## Hardware Technical Details

Usage: Bathroom/ WC Door  
GT - Body Type: Aluminium  
Type: With Spring 90 mm  
YK- Surface Coating:  
Electrostatic Powder Paint

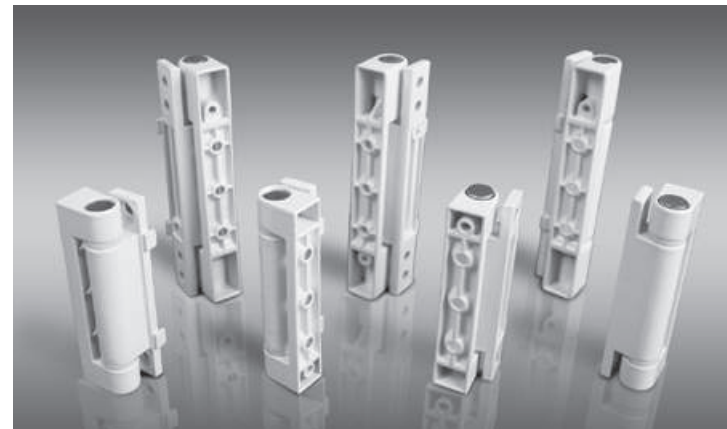


## Order Details

	A	B		Amount	Kg
1058.0000.0.2	35	90	2	30	12
1058.0000.0.3	35	90	2	30	12
1058.0000.0.4	35	90	2	30	12
1069.0000.0.2	28	90	2	30	12
1069.0000.0.3	28	90	2	30	12
1069.0000.0.4	28	90	2	30	12



# Hinge Door & Window...



Wincac

In the design of this product, a substantial number of ribs have been added to strengthen the strength of the sections in areas subject to force. In order to facilitate the installation of the hinge on the door or window, appointments have been added to the male component. These appointments facilitate the placement of the hinge in the desired location. It simplifies matters. A further noteworthy aspect of this product is the color quality of the parts, which was achieved through the use of an experienced team and numerous studies and tests. This resulted in a product with a coating that is resistant to UV rays, abrasion, and scratches, going to give it the potential to compete with well-known European brands.

- Steel sheet and pin surface coating of superior quality
- High surface coating thickness (at least 60 microns of paint thickness) (zamac)
- The product's unique construction ensures that it is highly resistant to bending and compressive forces (zamac)
- The combination of rubber with engineering polymer contributes to the product's exceptional resistance to wear and corrosion (zamac)
- Passing the international standard test for BSIEN 1935 (including durability test, maximum weight, etc.)
- Passing the color fastness test in accordance with ISO2409 (cross cut) (zamac)
- The exceptional strength of the set is attributable to the use of 1.5 mm thick alloy steel (hybrid)
- Using micron additives to generate a cleaning-friendly surface layer (hybrid)
- Ten-year guarantee for performance

Wincac





# Zamac Hinges 75/100mm (With / Without Nail)

## Hardware Technical Details

TK.kg<sup>max</sup> - Carrying Capacity: max. 90 kg


GT - Body Type: Zamac Gearbox

YK - Surface Coating:

Electrostatic Powder Paint



### Order Details

			
		Amount	Kg
130.075.001.000	75 mm Window Hinge	200	16.81
130.090.001.000	90 mm Window Hinge	150	-
130.100.001.000	100 mm Window Hinge	150	-

Ral 9016

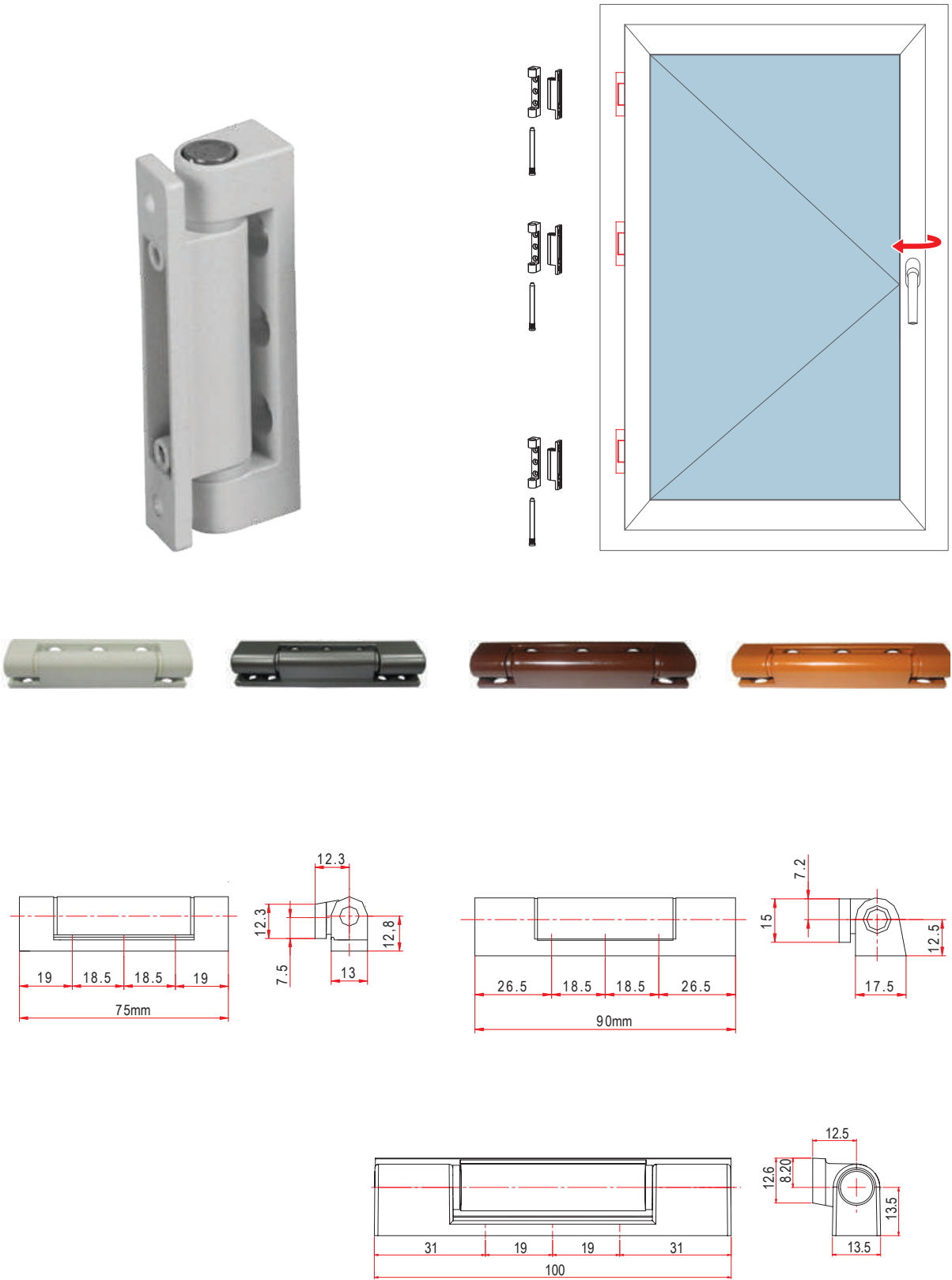
Ral 8003

Ral 8017

Ral 8019

Ral 8022

Ral 9006





# Hybrid(Metal & Plastic) Hinges 90mm

## Hardware Technical Details

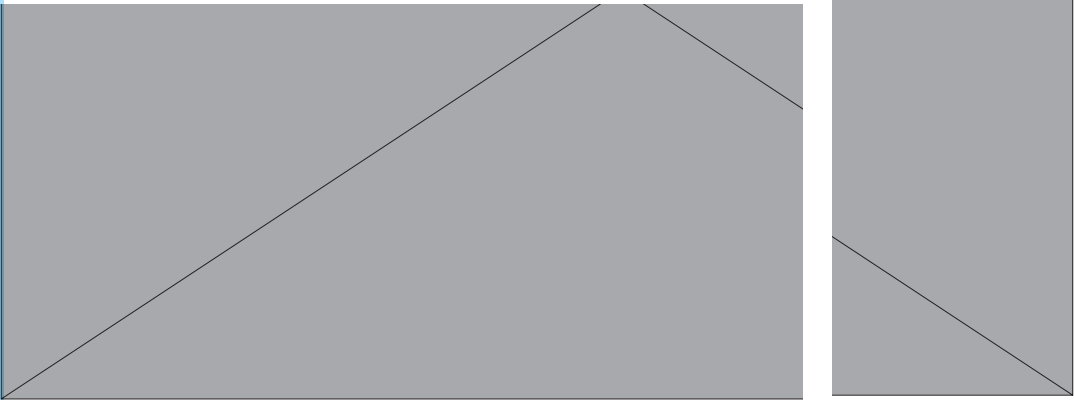
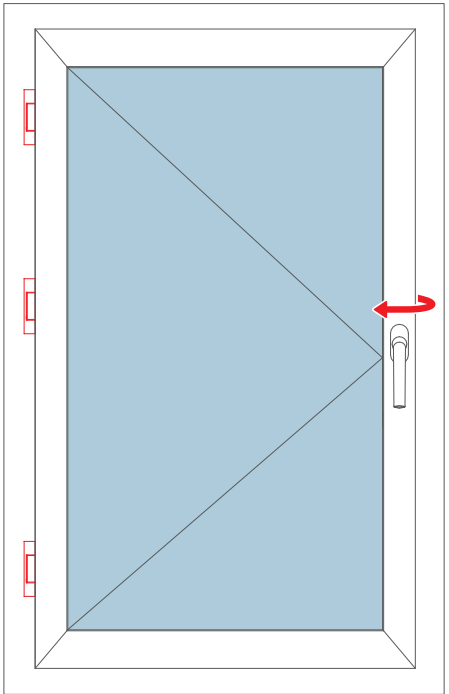
TK.kg<sup>max</sup> - Carrying Capacity: max. 90 kg  
GT - Body Type: Polymer - Plated alloy steel  
YK - Surface Coating:  
Electrostatic Powder Paint



### Order Details

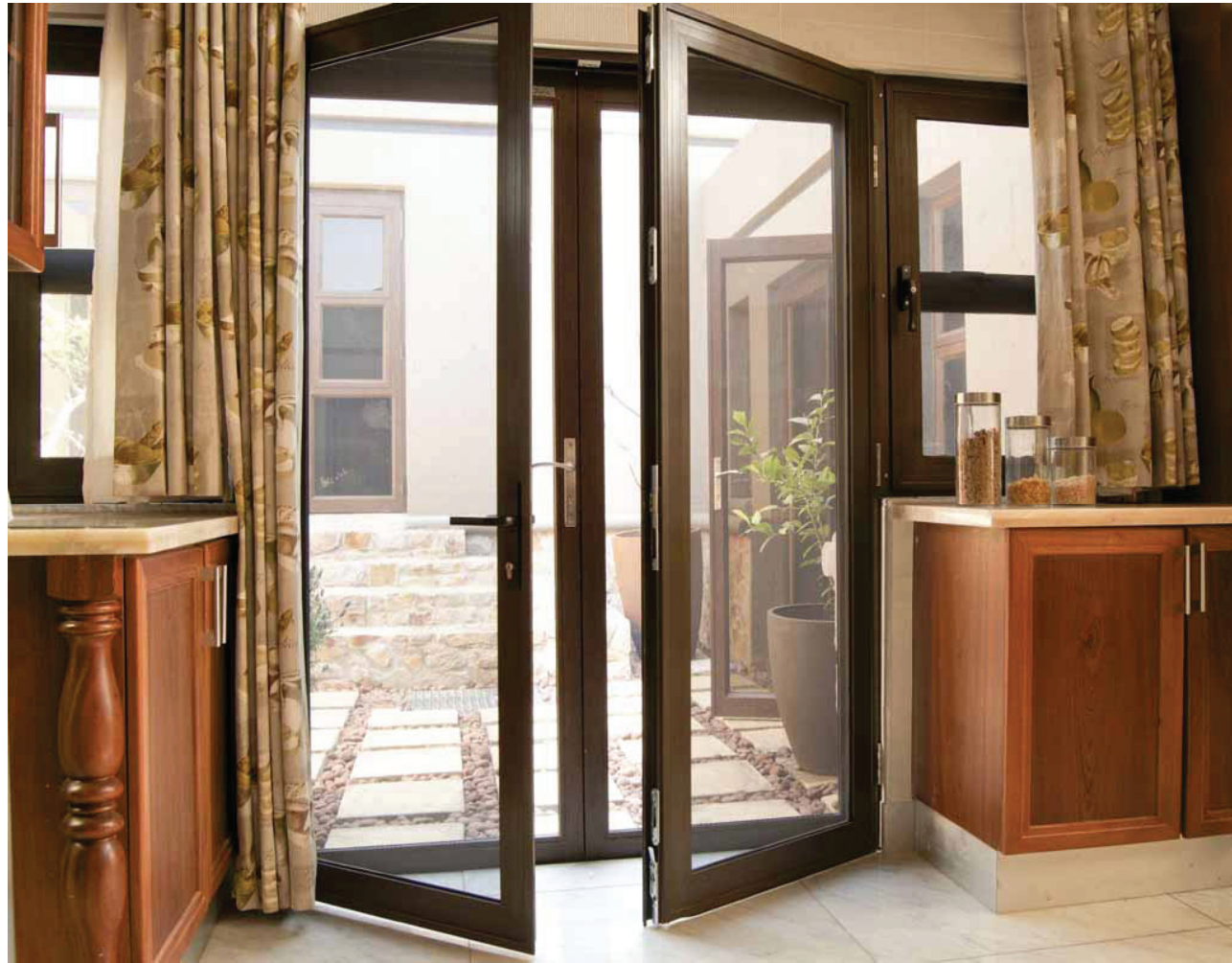
			
		Amount	Kg
1084.0090.0.2	90 mm Window Hinge	150	14.650

Ral 9016  
Ral 8003  
Ral 8017  
Ral 8019  
Ral 8022  
Ral 9006





# Mortise Door Lock (WC Door Lock)



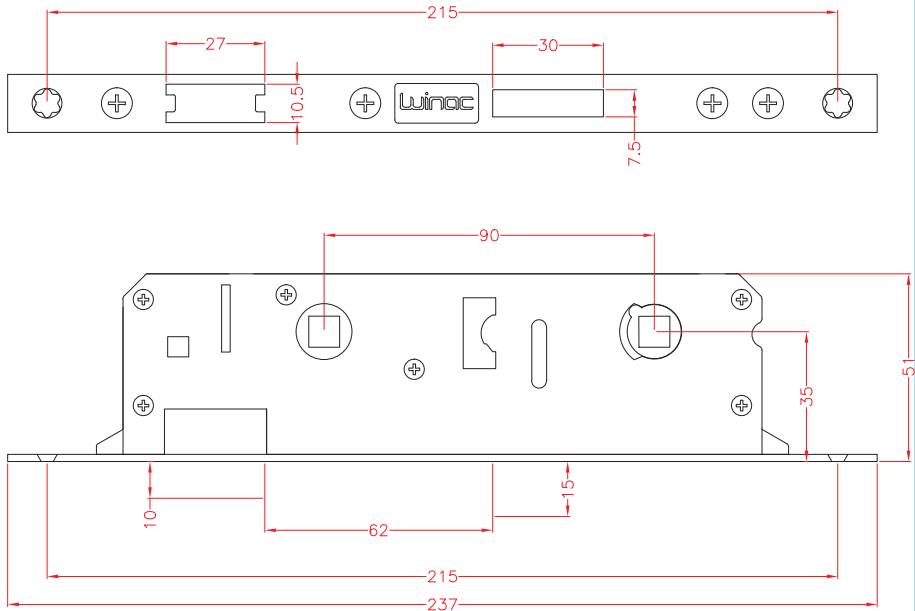
- Winac**
- High resistance against torque force of 40.Nm, equivalent to pressing 40 kg on the handle.
  - A unique design that boosts the product's durability and strength by decreasing the possibility of the belt coming out of the lock interface.
  - The high strength of the lock set connections, which contributes to the product's great resistance to impact and side forces.
  - Unique construction facilitating the reversal of the door Espagnolette lock tab
  - Using a tongue with a surface coating to boost the product's durability as well as its attractiveness.
  - A special design that leads to soft and smooth operation of the locking mechanism.
  - Packaging that is distinctive and assures the high quality of Winac products.
  - Service after the sale and a 10-year performance guarantee





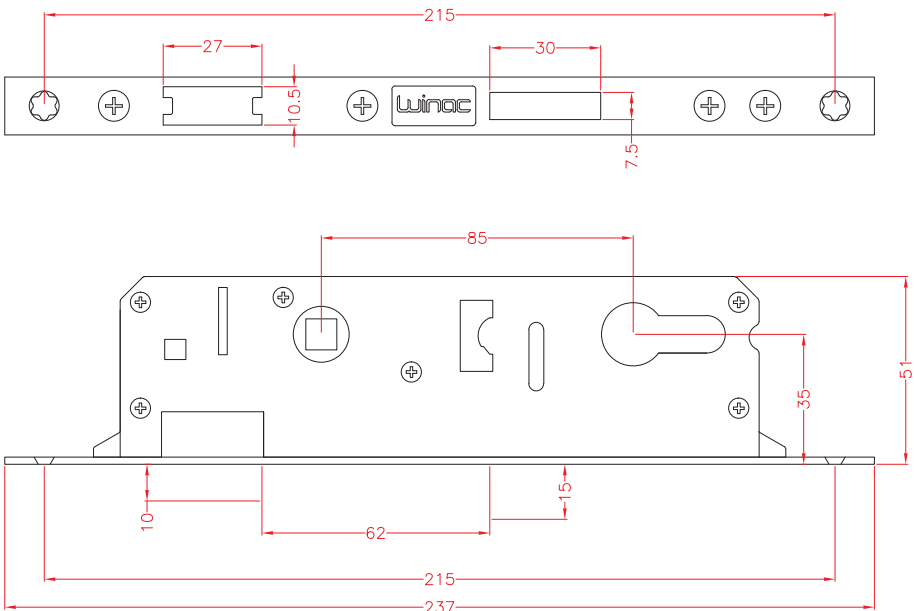
# Mortise Door Lock

(WC Door Lock)



Order Details			
1079.3590.0.1	2	Amount	Kg
		40	14

# Mortise Door Lock Switch



Order Details			
1080.3590.0.1	2	Amount	Kg
		40	14



# Adjustable Lock Striker

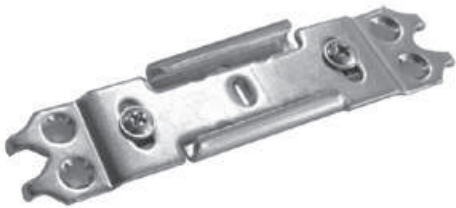


Winac

- Ease of assembly
- Excellent coating quality
- Unique packaging that guarantees the high quality of Winac products.
- After sales service

Winac

# Adjustable Lock Striker (Short)



Order Details

1054.0000.0.1	Dimension	Amount	
		Amount	Kg
	114 x 24 x 8	200	12.300

# Adjustable Lock Striker (Long)

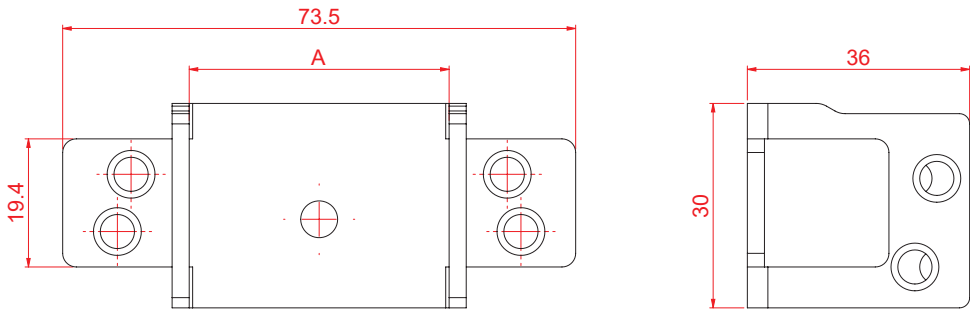


Order Details

1055.0000.0.1	Dimension	Amount	
		Amount	Kg
	208 x 24 x 8	100	9.400



# Mullion Connector



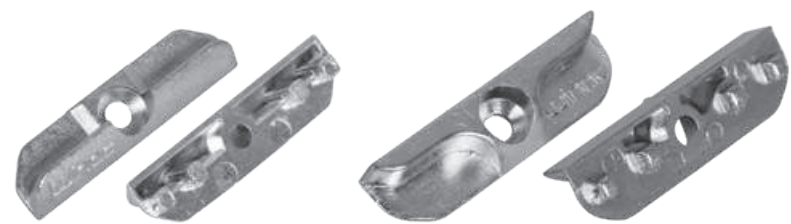
- High strength resulting from the use of 2.5 mm thick alloy steel (high quality and uniform surface coating)
- The consistency of the shape where the screws leak in order to protect the glass from damage
- Unique design to eliminate interference between assembly screws
- Unique configuration to expand the contact area with the profile (long bases)
- Complete conformity with the profile (90 degrees)
- Special construction to prevent gasket damage
- Installation of a hole for the screw holding the middle column in place

Order Details

	A	Coating Code		
			Amount	Kg
1041.0030.0.1	30	1	300	15
1042.0031.0.1	31	1	300	15
1043.0032.0.1	32	1	300	15
1044.0034.0.1	34	1	300	15
1045.0035.0.1	35	1	300	15
1046.0036.0.1	36	1	300	15
1047.0038.0.1	38	1	300	15



# Espagnolette Striker



# Winac Glass Filler



- Excellent surface coating quality
- Packaging that is distinctive and assures the high quality of Winac products.
- After sales service

Order Details

		Coating Code	Amount	
			Amount	Kg
1048.0013.0.1	13	1	1000	18
1051.0009.0.1	9	1	1000	16

Order Details

	A	Coating Code	Amount	
			Amount	Kg
1052.0003.0.4	3	1	1000	3.300
1053.0005.0.4	5	1	1000	4.600



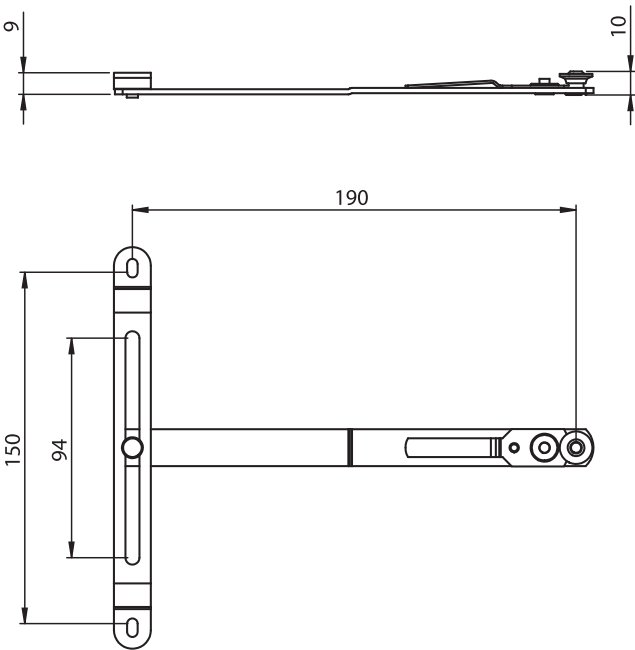
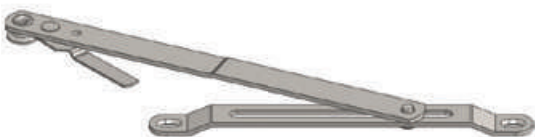
# Plastic Adjustable Window Catch





Order Details

		
202200054	4	600

# Wincor Tilt Opening Scissors



Order Details

		
202200053	4	400
202200054	4	300



NOTE







**Winac**  
Design & Manufacturing of  
Door & Window Accessory

**Tehran Office:** No. 2, Fifth alley, North Shahr Blvd. (Kabiri Tameh), Jannat abad Markazi, Tehran, Iran

**Factory:** 8<sup>th</sup> st., Main Square, Imam Khomeini Blvd., Caspian Ind. Zone, Qazvin 3445181485 Iran

**TeleFax:** +9821 45748

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