





İÇİNDEKİLER

T&T Systems Specifications	14	
Gears		23
Additional Locking	29	
Faulty usage & sash adjustment		30
Corner Transmission	31	
Stay Arm		37
	20	_
Top Extension Piece	39	40
Bottom Extension Piece		40
Middle Lock	41 -	
Hinge Group		42
Locking Plates	48	



100.000 Montaj kombinasyonu;

Fornax Pvc Channel Tilt System is located in a very innovative technology contributes to the window feature.

Installation of new hardware easily and flexible use of space with many different combination possibilities of installation.

Demand in the market are usually the standard opening. Fornax Pvc systems are standards for tilt and turn windows up to 100 kg, is a system with aesthetic appearance. Both economically and practically available all over the world.

- Provide Easy and Faultless assembling
- Different assembling alternatives with versatile usage opportunities by a few pieces
- · Sash and frame can be fitted separately
- Systems parts are fixed in centered position for easy assembling
- Stay arm can be used both for right and lef hand opening by adjusting stay arm hinge.
- · System has excellent corrosion protection with alkali zinc coating.
- Sash lifter on the bottom extension piece removes the problems causef by hang down
 pf the window sash.
- Mechanism on the stay arm reaches the clutching before 25mm, during the sash is changed from tilt opening position to closed position.
- faulty usage wich can be added on the T&T gear according to costomer's demand , prevents faulty usage is open position.
- \bullet ±0,8 mm pressure of the gasket can be adjusted by eccentric lock boltd, bottom extrension piece , stay arm and bottom hinge (Sash Part).
- Horizontal position of the sash can be adjusted by screw on the Stay arm and bottom hinge (Sash part)
- Vertical position of the sash can be adjusted by screw on the drill in Corner Hinges
- Security System Parts can be used if the security is wanted for theft.



Our Advantages

- Our system is convinient for the Fixed Handle Espagnolette
- The system is ideal with 100 kg carrying capacity of the sash for tilt and turn opening.
- Can be assembled with in short time.
- Our system features 2 typs of hinges for the corner connection.
- The Micro ventilation system is available in each of our systems











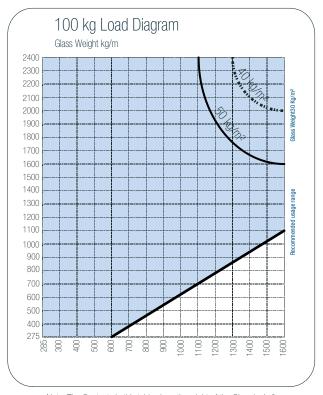
Technical Specifications

- KG Sash Width286/395mm 1600mm
- KY Sash Height......262/480mm 2400 mm
- KA.kg_{max} Sash Weight.....Ø3 Menteşe max. 80kg / Ø6 Hinge max. 100kg
- YK Surface CoatingAlkali-Zinc

Color Options

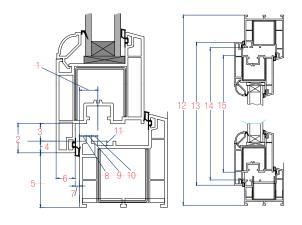
 Standard color options are as belowed. Please have contact with your customer representative for your your other color requests.





Note: The Contents in this table show the wight of the Glass kg/m² The system is ideal with 100 - kg carrying capacity of the sash The weight of the Glass (1mm thickness) is 2,5kg for each 1m^2 The above dimensions may change according the type of the profile.

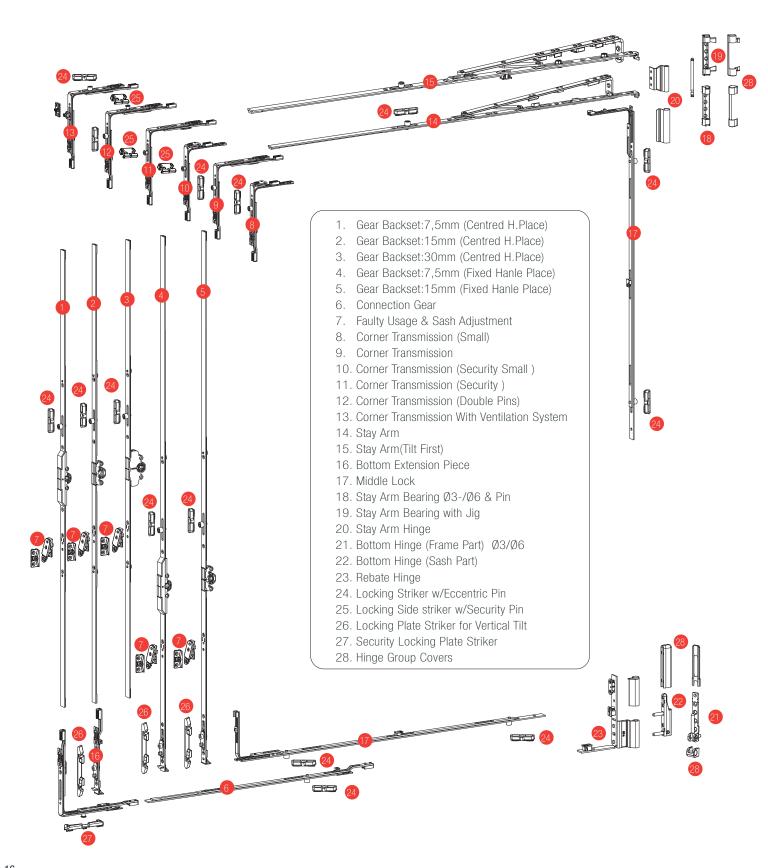




- 1 Central locking Size
- 2 Ride Height
- 3 Working in Space
- 4 Riding on the wings of the Case Size
- 5 Lockers Visible Width
- 6 Riding Thickness
- 7 Gasket Print Size
- 8-11 Size Claw money
- 12 Case Dimensions
- 13 Wing Dimensions
- 14 Case Internal Dimensions
- 15 Espagnolettes Channel Size



Fornax PvcMotion Tilt & Turn Hardware Hardware Table





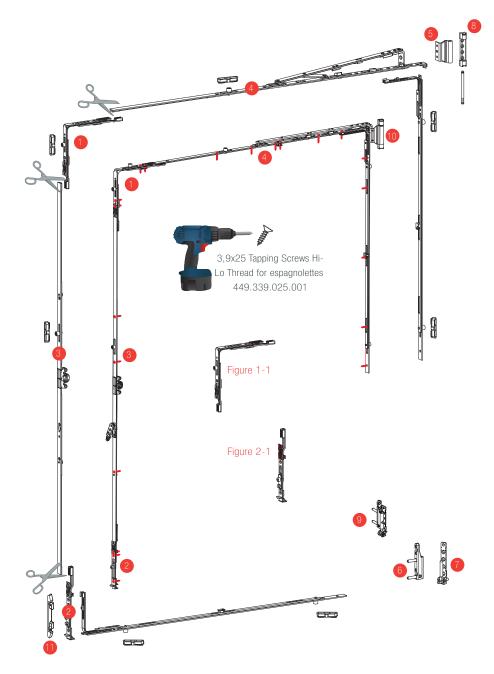
Fornax PvcMotion Tilt & Turn Hardware Mounting Instructions

Mounting Instructions

Fornax PVC Channel Tilt System is located in a very innovative technology contributes to the window feature. Installation of new hardware easily and flexible use of space with many different combination possibilities of installation. Demand in the market are usually the standard opening. Fornax PVC systems are standards for tilt and turn windows up to 100 kg, is a system with aesthetic appearance. Both economically and practically available all over the world.

Mounting Instructions

- Weldin residue at the corners of the sash must be scraed and then start mounting the pieces
- 1.Firstly mount "Corner Transmission" top Comer of the sash by screws. ensure that the eccentric bolt i,s on T&T Gear side.
- ! Fixing piece! mustn't be screwed! (see figure 1-1)
- 2.Mount "Bottom Extension Piece" alone or together with "middle lock " which has suitable height (see the Tilt & turn fittings), to bottom corner of the sash.
- ! "Fixing piece! mustn't be screwed! (see figure 2-1)
- 3.Locate and mark "T&T geaf'to length, then cut and mount T&TGear onto the sash screw the "Fixing Pieces"
- 4."Locate "Stay arm" to top of the sash ,then mark to length and cut. mount the stay arm alone or together with "middle Lock which has suitable height.
- ! See the T&T Fittings. Screw the Fixing Piece.
- 5. Put "Stay arm hinge" mo the stay arm , turn the Pin 90 to lock with allen 45 key .according to demand use "stay arm hinges cover"



6.Mount "Bottom hinge (Sash PArt)" to the sash. According to demand use "Bottom hinge (Sash Part)" Cover.

7.Mount "Drill in Comer Beating" to Bottom of the frame. According to demand use "Drillin Corner bearing Top Cover and Bottom Cover"

8.mount "Stay arm Bearing" to top of the frame . According to demand use "Stay arm bearing Cover "is used.

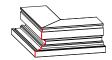
- 9.Sash Frame ties after assembling bottom hinge (Sash Part) and bottom hinge (Frame part)
- 10. Locate the pin after assembling stay arm hinge and stay arm bearing
- 11. Mount "T&T System Locking Plate" to bottom of the frame by screws.
- 12.Locate and screw "Locking Plates" to frame in possition according to eccentric bolts
- 13. After mountign, fit the Covers on the Hinges.



Tilt & Turn hardware **Mounting Instructions**

Espagnolettes handle location opening Instructions

. Welding residue at the corners of the sash must be scraped



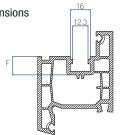
Sash height

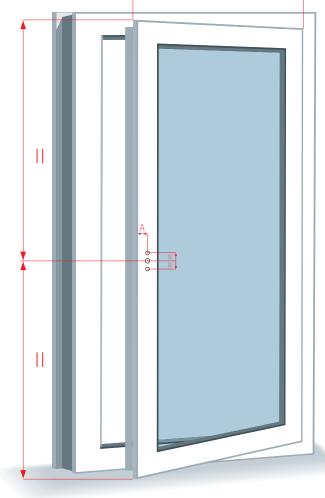
Mounting Instructions

Handle location and espagnolettes channel dimensions

7,5mm standard espagnolettes =F: 7,5mm 15mm standard espagnolettes =F:15mm

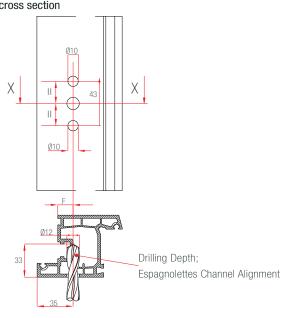
30mm standard espagnolettes =F:30mm





Kanat Genişliği

Sash profile X-X cross section



Sash profile X-X cross section

Minimum Milling Depth: 27mm Minimum Channel Depth: 65 mm

Attention!

Measurements are prepared according to 12mm movement space



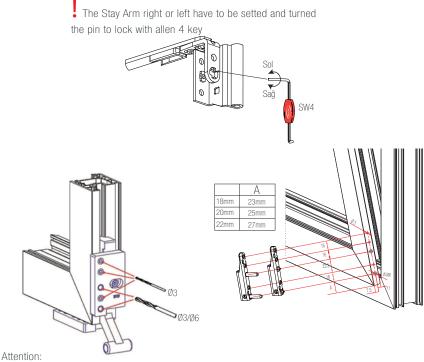
Tilt & Turn hardware Mounting Instructions

The upper and the lower hinges assembling

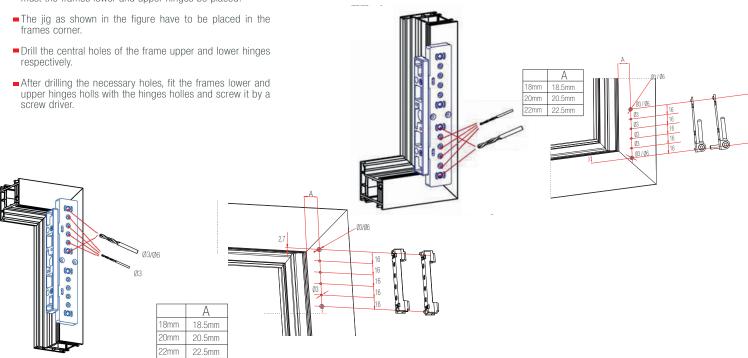
- The hinge have to be setted top right or left, turn the pin to lock with allen 4 key.
- The bottom sash hinge Jig have to be used according the measure of the profile locking can be adjusted (9mm to 13mm).
- According the side which the windows sash gone open, must the sashes lower hinge be placed.
- The jig must be placed exact in the espagnolettes channel like the picture down in the corner.
- To drill the central holes for the hinge, do it by Ø3 or Ø6 hit's
- After drilling the necessary holes, fit the sashes lower hinge holls with the hinges holles and screw it by a screw driver.

Sashes lower and upper hinges assembling

- ■The bottom frame hinge template have to be used according the measure of the profile locking (18mm or 20mm or 22mm) can be adjusted.
- According the side which the windows sash gone open, must the frames lower and upper hinges be placed.



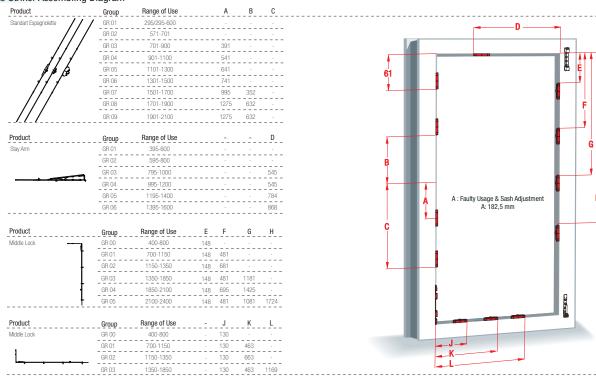
Leave a space of 3,5mm between the sash and the frame for the pressure gasket.



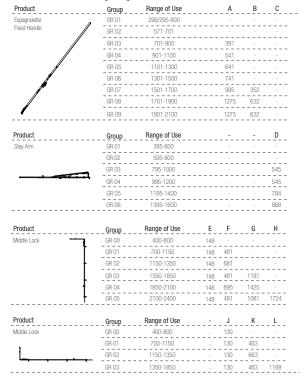


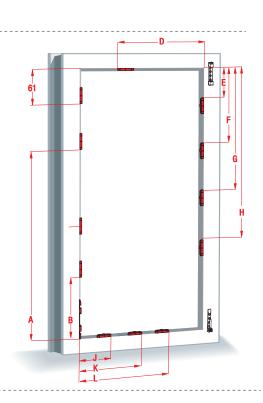
Fornax PvcMotion Tilt & Turn hardware Striker Mounting Instructions

Standart Espagnolette Striker Assembling Diagram



Fixed Handle Espagnolette Striker Assembling Diagram







Fornax PvcMotion Tilt & Turn hardware Strikers Compatible Profile List

Profile	Serial	axis	and the state of	No. 1	
	AKDENZ				
AD ODDA	70 MM	40	400 400 004	400.070.01.04	100 100 001
AD OPEN	632 (WNTECH)	13	189.100.001	1891/101/161	189.100.001
	642 (WNTECH)	13			
	AKSU	9	189.170.001	189.050.0L/R1	
AKANSUPEN	SUPER VENA	13	189.160.001	189.070.0L/R1	189.100.001
	VENA	13	189.160.001	189.070.0L/R1	189.100.001
	AVANTAJ				
AKAPEN	VEGA	13	189.160.001	189.070.0L/R1	189.100.001
	VENUS				
ALFAPEN	ISIN	9	189.170.001	189.050.0L/R1	
	IDEAL 200 AD 60				
	IDEAL 400 AD 70	+			
ALUPLAST		13	189 160 001	189 070 0L/R1	189.100.001
ALUILAUI	IDEAL 500 MD 70	-	103.100.001	103.070.001111	103.100.001
	IDEAL 600 MD 80				
ADTR 10T	IDEAL 700 AD 80	4-	400 405	400.070.0: -:	400 107 7
ARTPLAST	70 MM AD				189.100.001
4040DD:	6040				189.100.001
ASAŞPEN	6000		189.170.001	189.050.0L/R1	
	5200	9	189.170.001	189.050.0L/R1	
BOWN	LARC	13	189.160.001	189.070.0L/R1	189.100.001
BİRPEN		13	189.160.001	189.070.0L/R1	189.100.001
BRUGMAN AD.MID	73 MM	13	189.160.001	189.070.0L/R1	189.100.001
CANKARPEN		13	189 160 001	189 070 0L/R1	189.100.001
DIMEX	70 mm				189.100.001
DOORWN	60 mm				189.100.001
DURUPEN					189.100.001
DUNUTEN	ZENDOW		_	 	189.100.001
EGEPEN					+
200 01	SISTEM (2032)		_	 	189.100.001
	70	9	189.170.001	189JJJUJJL/K1	
	70 mm	-			
ENDERPEN	VZYONLNEULTRA	13	189.160.001	189.070.0L/R1	189.100.001
	VZYONLNE	-			
	56 MM				
	EXTRALINE	13	189.160.001	189.070.0L/R1	189.100.001
ER PEN	SMARTLINE	13	189.160.001	189.070.0L/R1	189.100.001
	ECOLNE	9	189.170.001	189.050.0L/R1	
	SOFTLINE	9	189.170.001	189.050.0L/R1	
ESENPEN	MLENYUM	13	189.160.001	189.070.0L/R1	189.100.001
EUROLINE	58 MM LUX 58 MM BKONOMK	13	189.160.001	189.070.0L/R1	189.100.001
	BLITE	9	189.170.001	189.050.0L/R1	
EUROPEN	FESTA				180 100 004
EJROWN	TESTA	13	189.160.001	189.070.0L/R1	189.100.001
	11707	13	189.160.001	189.070.0L/R1	189.100.001
FLPBN	UZAY	9	189.170.001	189.050.0L/R1	
FRATPBN		9	189.170.001	189.050.0L/R1	
FLASHPEN		13	189.160.001	189.070.0L/R1	189.100.001
GEALAN		13	189.160.001	189.070.0L/R1	189.100.001
oūus	BEGONIA	9	189.170.001	189.050.0L/R1	
GÜNELPEN	MAGNOLIA	9	189.170.001	189.050.0L/R1	
	AZALEA	13	189.160.001	189.070.0L/R1	189.100.001
KARPEN		13	189.160.001	189.070.0L/R1	189.100.001
KBE	58 MM	9	189.170.001	189.050.0L/R1	
NDE	70 MM	13	189.160.001	189.070.0L/R1	189.100.001
I/EDANISCO I	600 BKO SERI	9	189.170.001	189.050.0L/R1	
KEBAN PEN					100 100 001
NLDHNITUN	6002 SUPER SERI	13	189.160.001	189.070.0L/R1	189.100.001

Profile	Serial	axis	ALL AND	The same of	
	200 SUPERLINE	9	189.170.001	189.050.0L/R1	
KOMPEN	300 MEGALINE	9	189.170.001	189.050.0L/R1	
	600 TERMOLINE	13	189.160.001	189.070.0L/R1	189.100.001
	CLASSIC MD 70				
KOMMERLING	ELEGANCE AD 70	13	189.160.001	189.070.0L/R1	189.100.001
NUMMENTING	MD 80	15	109.100.001	109/1/10/01/101	109.100.001
	58 MM				
MWN		13	189.160.001	189.070.0L/R1	189.100.001
NATUREL	SUPERNAT	13	189.160.001	189.070.0L/R1	189.100.001
ÖNDERPEN		9	189.170.001	189.050.0L/R1	
ÖRNEKPEN		9	189.170.001	189.050.0L/R1	
ÖZENİŞPEN		9	189.170.001	189.050.0L/R1	
	UNMERSAL				
PAKPEN	P-200 BKO	9	189.170.001	189.050.0L/R1	
	OVAL				
PENSA		13	189.160.001	189.070.0L/R1	189.100.001
DAD DI ACT	6032	10	100 100 001	100.070.01.01	100 100 001
PARPLAST	6042	13	189.160.001	189.070.0L/R1	189.100.001
PENTECH		9	189.170.001	189.050.0L/R1	
	4500	9	189.170.001	189.050.0L/R1	
	5300	9	189.170.001	189.050.0L/R1	
ni wom i	6000	9	189.170.001	189.050.0L/R1	
PİMAPEN	7000	13	189.160.001	189.070.0L/R1	189.100.001
	7500	13	189.160.001	189.070.0L/R1	189.100.001
	QUADRO	13	189.160.001	189.070.0L/R1	189.100.001
PLASPEN		9	189.170.001	189.050.0L/R1	
POLÍPEN		13	189.160.001	189.070.0L/R1	189.100.001
PROKAL		13	189.160.001	189.070.0L/R1	189.100.001
PROLNE		13	189.160.001	189.070.0L/R1	189.100.001
RAMPLAST		9	189.170.001	189.050.0L/R1	
	BRLLANT DESIGN AD 70				
REHAU	BASIC DESING AD 60	13	189.160.001	189.070.0L/R1	189.100.001
	THERMO DESING AD 60	1			
RESMAN		13	189.160.001	189.070.0L/R1	189.100.001
ROPLASTO	7001 AD	13	189.160.001	189.070.0L/R1	189.100.001
ROTHOPLAST		13	189.160.001	189.070.0L/R1	189.100.001
	2D				
SALAMANDER	3D	13	189.160.001	189.070.0L/R1	189.100.001
SARAYPEN		13	189.160.001	189.070.0L <i>I</i> R1	189.100.001
SEÇPEN		9	189.170.001	189.050.0L/R1	
	60 MM				
SCHÖNLİNE	70 MM	13	189.160.001	189.070.0L/R1	189.100.001
	EKOLNE	1			
STARPEN		9	189.170.001	189.050.0L/R1	
TAURUS		13	189.160.001	189.070.0L/R1	189.100.001
TEKNO PLAST		13	189.160.001	189.070.0L/R1	189.100.001
TROCAL		13	189.160.001	189.070.0L/R1	189.100.001
UNIPLAST		13	189.160.001	189.070.0L/R1	189.100.001
-	SOFTLINEAD 58	1			
VEKA	SOFTLINEAD 70	13	189.160.001	189.070.0L/R1	189.100.001
	TOPLNE AD 70	1			
WINAPEX		13	189.160.001	189.070.0L/R1	189.100.001
WNDER		9	189.170.001	189.050.0L/R1	
WNDOLNE		13	189.160.001	189.070.0L/R1	189.100.001
WINHOUS		9	189.170.001	189.070.0L/R1	189.100.001
WINPLAST		9	189.170.001	189.050.0L/R1	190 100 001
WORLDPEN		13	189.160.001	189.070.0L/R1 189.070.0L/R1	189.100.001
WYMAR					

Tilt & Turn hardware Care Instructions

Care Instructions

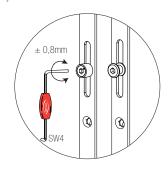
Lubricate once a year the locations shown on the right side, helps to better performance of our system works.

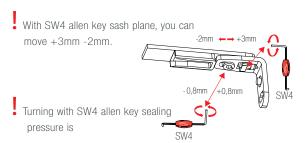
To prevent damage to the coating of Yelkencoat, avoid abrasive cleaning materials.

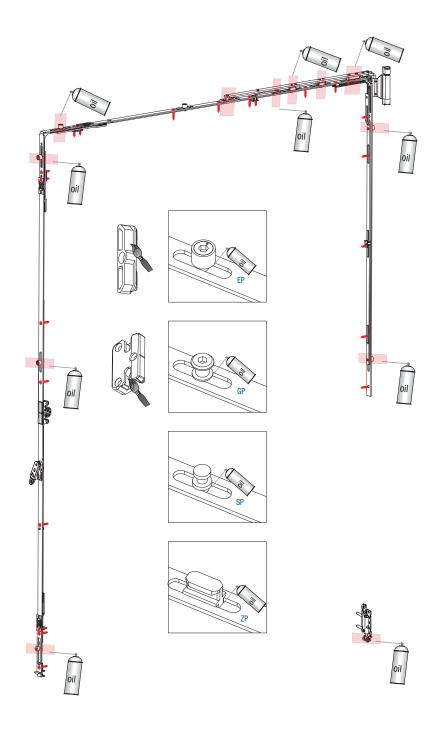
To fixing the hardware, is necessary to verify the benefits and degree, you can make the following settings.

Care instructions and Installation Settings

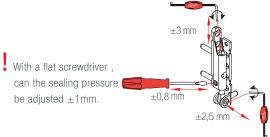
Turning the key tongue with SW4 Allen key ± 0.8 sealing pressure is adjustable.











With SW4 allen key can the sash be adjusted ±2mm (Hoizon-



Tilt & Turn Hardware 7,5mm Espagnolette (Centred Handle)

Hardware Technical Details

Range of use : Min: 367mm - Max: 2400mm

Axis : 7,5mm
Handles location : Centred Handle
Body Type : Zamac body
Security Level : W/Eccentric/Security Pin

Faulty usage / sash adjustment : Available

Hardware Description

Upper Extension ;

Standard, small, Safety Pin, security small, ventilated, double pin corner transmission is usable (see page 30)

By using the standard seri of the corner tranmission, is the hight of the sash minimum: 585mm. If you use the small corner transmission; will the sash heighment be 476mm.

■ For the features of the Bottom Extension (Vertical)

Bottom lock hardware offers the ability to use the equipment. (see page 39)

■ For the features of the Bottom Extension (bottom regulated)

The safety pins and security corner transmission offers the ability to use the equipment. (see page 30)

■ The security of the 'Faulty usage - sash adjustment';

Faulty usage and sash lifting device, provides increased safety.

Connection Gear

The add of this equipment assists and provid thermal insulation.

■ To regular the gasket pressure;

You can change the gasket pressure in a level range of +/- 0,8mm

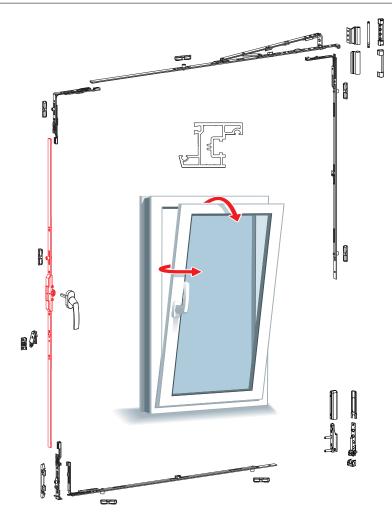
Assembling;

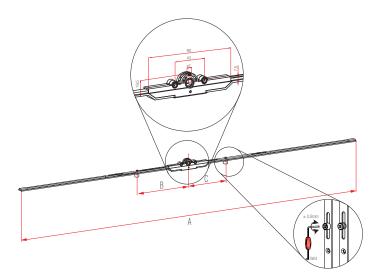
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware

_ 8 - 8				
EP	GP GP	X		
			Miktar	Kg
-	-	187.010.701.000	10	3.69
187.010.801.000	187.110.801.000	-	10	4.57
187.021.001.000	187.121.001.000	-	10	5.43
187.021.101.000	187.121.101.000	-	10	5.98
187.021.301.000	187.121.301.000	-	10	6.88
187.021.501.000	187.121.501.000	-	10	7.59
187.021.701.000	187.121.701.000	-	10	8.64
187.022.101.000	187.122.101.000	-	10	10.40





13		
	Toobnical Dataila	

GRUP	KA	Α	В	С	D	Î		
GR:01	585-1000	730	-	-	-	Θ	2	-
GR:01-1	685-1100	830	120	-	-	$\overline{}$	2	1
GR:02	885-1300	1030	120			⊘	4	1
GR:02-1	985-1400	1130	120	-	-	\odot	4	1
GR:03	1185-1600	1330	120	-	-	€	6	1
GR:04	1385-1800	1530	272	272	-	⊘	8	2
GR:05	1585-2000	1730	322	322	-	€	8	2
GR:06	1985-2400	2130	372	372	-	€	10	2

Fornax PvcMotion Tilt & Turn Hardware 15mm Espagnolette (Centred Handle)

Hardware Technical Details

Range of use : Min: 262mm - Max: 2400mm

Axis : 15mm
Handles location : Centred Handle
Body Type : Zamac body
Security Level : W/Eccentric-Security Pin

Faulty usage / sash adjustment : Available

Hardware Description

Upper Extension ;

Standard, small, Safety Pin, security small, ventilated, double pin corner transmission is usable (see page 30)

By using the standard seri of the corner tranmission, is the hight of the sash minimum: 585mm. If you use the small corner transmission; will the sash heighment be 476mm.

For the features of the Bottom Extension (Vertical)

Bottom lock hardware offers the ability to use the equipment. (see page 39)

■ For the features of the Bottom Extension (bottom regulated)

The safety pins and security corner transmission offers the ability to use the equipment. (see page 30)

■ The security of the 'Faulty usage - sash adjustment';

Faulty usage and sash lifting device, provides increased safety.

Connection Gear

The add of this equipment assists and provid thermal insulation.

■ To regular the gasket pressure;

You can change the gasket pressure in a level range of +/- 0,8mm

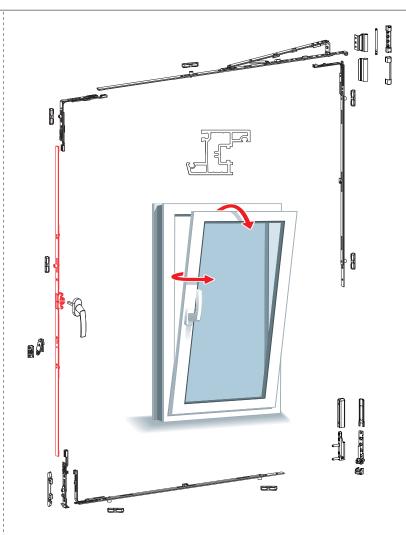
Assembling;

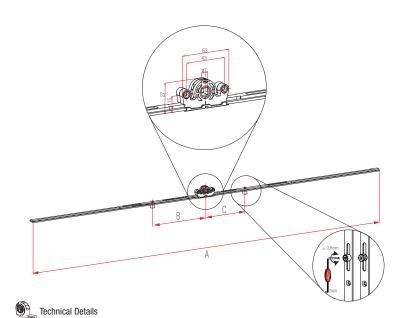
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware

EP EP	GP GP	X	*		
			Miktar	Kg	
-	-	185.010.601.000	10	3.69	
-	-	185.010.701.000	10	3.69	
185.010.801.000	185.110.801.000	-	10	4.57	
185.021.001.000	185.121.001.000	-	10	5.43	
185.021.101.000	185.121.101.000	-	10	5.98	
185.021.301.000	185.121.301.000	-	10	6.88	
185.021.501.000	185.121.501.000	-	10	7.59	
185.021.701.000	185.121.701.000	-	10	8.64	
185.022.101.000	185.122.101.000	-	10	10.40	





GRUP	KA	Α	В	С	D			B
GR:01	270/480-700	628	-	-	-	$\overline{\bigcirc}$	2	-
GR:01	585-1000	730	-	-	-	lacksquare	2	-
GR:01-1	685-1100	830	120	-	-	igorplus	2	1
GR:02	885-1300	1030	120			⊘	4	1
GR:02-1	985-1400	1130	120	-	-	\odot	4	1
GR:03	1185-1600	1330	120			⊘	6	1
GR:04	1385-1800	1530	272	272	-	\odot	8	2
GR:05	1585-2000	1730	322	322		⊘	8	2
GR:06	1985-2400	2130	372	372	-	⊘	10	2



Fornax PvcMotion Tilt & Turn Hardware 30mm Espagnolette (Centred Handle)

Hardware Technical Details

Range of use : Min: 262mm - Max: 2400mm

Axis : 30mm
Handles location : Centred Handle
Body Type : Zamac body
Security Level : W/Eccentric/Security Pin

Faulty usage / sash adjustment : Available

Hardware Description

Upper Extension ;

Standard, small, Safety Pin, security small, ventilated, double pin corner transmission is usable (see page 30)

By using the standard seri of the corner tranmission, is the hight of the sash minimum: 585mm. If you use the small corner transmission; will the sash heighment be 476mm.

For the features of the Bottom Extension (Vertical)

Bottom lock hardware offers the ability to use the equipment. (see page 39)

■ For the features of the Bottom Extension (bottom regulated)

The safety pins and security corner transmission offers the ability to use the equipment. (see page 30)

■ The security of the 'Faulty usage - sash adjustment';

Faulty usage and sash lifting device, provides increased safety.

Connection Gear

The add of this equipment assists and provid thermal insulation.

■ To regular the gasket pressure;

You can change the gasket pressure in a level range of +/- 0,8mm

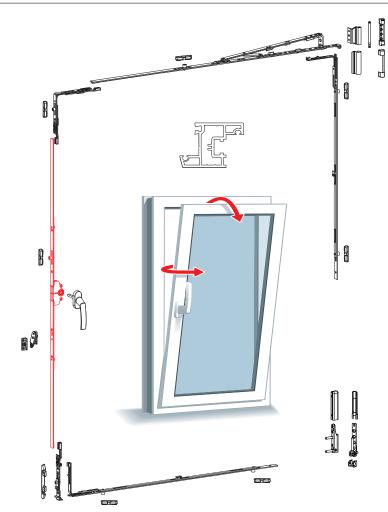
Assembling;

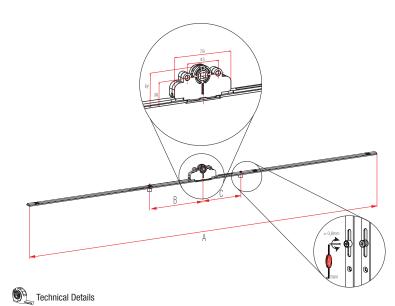
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware

EP	GP GP	X	- 1	is a second
			Miktar	Kg
-	-	185.810.601.000	10	3.69
-	-	185.810.701.000	10	3.69
185.810.801.000	185.910.801.000	-	10	4.57
185.821.001.000	185.921.001.000	-	10	5.43
185.821.101.000	185.921.101.000	-	10	5.98
185.821.301.000	185.921.301.000	-	10	6.88
185.821.501.000	185.921.501.000	-	10	7.59
185.821.701.000	185.921.701.000	-	10	8.64
185.822.101.000	185.922.101.000	-	10	10.40





GRUP	KA	Α	В	С	D			
GR:01	270/480-700	628	-			• • • • • • • • • • • • • • • • • • •	2	
GR:01	585-1000	730	-	-	-	Θ	2	-
GR:01-1	685-1100	830	120	-	-	Θ	2	1
GR:02	885-1300	1030	120	-	-	⊘	4	1
GR:02-1	985-1400	1130	120	-	-	⊘	4	1
GR:03	1185-1600	1330	120	-	-	⊘	6	1
GR:04	1385-1800	1530	272	272	-	⊘	8	2
GR:05	1585-2000	1730	322	322	-	€	8	2
GR:06	1985-2400	2130	372	372	-	⊘	10	2



Tilt & Turn Hardware

30mm Espagnolette w/additional locked (Centred Handle)

Hardware Technical Details

Range of use : Min: 262mm - Max: 2400mm

Axis : 30mm
Handles location : Centred Handle
Body Type : Zamac body

Security Level : w/additional - w/Eccentric/Security Pin

Faulty usage / sash adjustment : Available

Hardware Description

Upper Extension ;

Standard, small, Safety Pin, security small, ventilated, double pin corner transmission is usable (see page 30)

By using the standard seri of the corner tranmission, is the hight of the sash minimum: 585mm. If you use the small corner transmission; will the sash heighment be 476mm.

For the features of the Bottom Extension (Vertical)

Bottom lock hardware offers the ability to use the equipment. (see page 39)

■ For the features of the Bottom Extension (bottom regulated)

The safety pins and security corner transmission offers the ability to use the equipment. (see page 30)

■ The security of the 'Faulty usage - sash adjustment';

Faulty usage and sash lifting device, provides increased safety.

Connection Gear

The add of this equipment assists and provid thermal insulation.

■ To regular the gasket pressure;

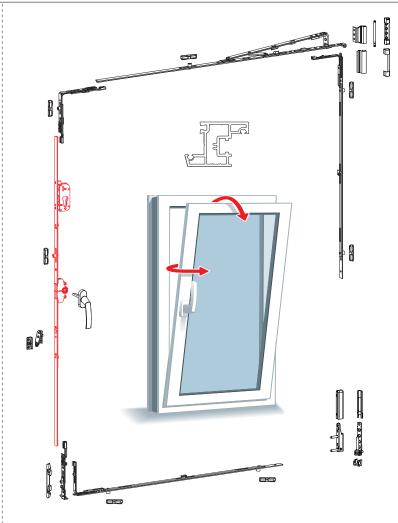
You can change the gasket pressure in a level range of +/- 0,8mm

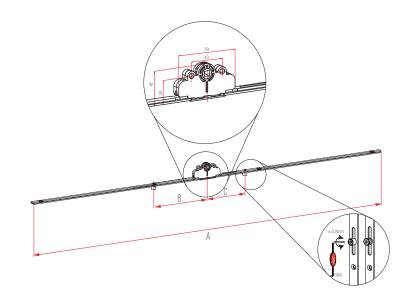
Assembling;

It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware





Order Details	I			
EP EP	GP GP	X		
			Miktar	Kg
185.621.531.000	185.921.531.000		10	-
185.621:731.000	185.921.731.000	-	10	-
185 622 131 000	185 922 131 000	-	10	_

Tech	nical Details							
GRUP	KA	Α	В	С	D	A		
GR:01	-	1532	-	-	-	$\overline{\bigcirc}$	2	-
GR:01	-	1732	-	-	-	$\overline{igorphi}$	2	-
GR:01-1	-	2132	120		-	Θ	2	11

Tilt & Turn Hardware
7,5mm Espagnolette (Fixed Handle)

Hardware Technical Details

Range of use : Min: 350mm - Max: 2190mm

Axis : 7,5mm

Handles location : Fixed Handle (under)
Body Type : Zamac body
Security Level : w/Eccentric-Security Pin

Faulty usage / sash adjustment : Available

Hardware Description

Upper Extension ;

Additional Locking Espagnolette, Standard, small, Safety Pin, security small, ventilated, double pin corner transmission is usable

For the features of the Bottom Extension (vertical)

Middle lock hardware offers the ability to use the equipment. (see page 40)

■ The security of the 'Faulty usage - sash adjustment';

Faulty usage and sash lifting device, provides increased safety.

To regular the gasket pressure;

You can change the gasket pressure in a level range of \pm 0,8mm

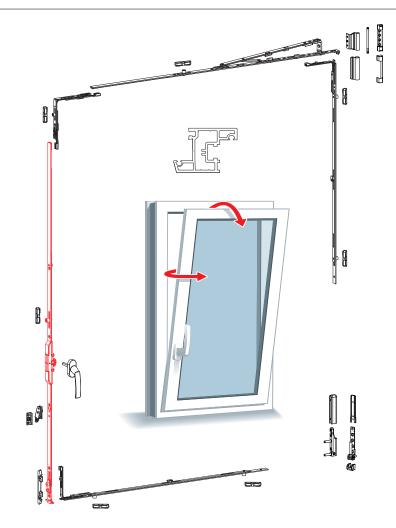
Assembling;

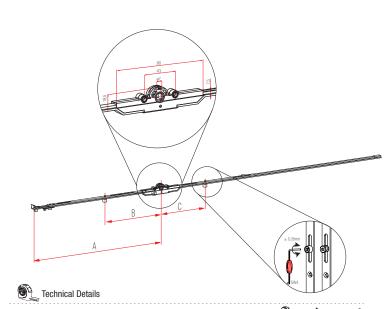
It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.

	0.00	` ''		
L REP	L @ GP	. X		
			Miktar	Kg
-	-	187.020.501.000	10	3.69
-	-	187.020.701.000	10	3.69
187.020.701.000	187.120.701.000	-	10	4.57
187.021.901.000	187.121.901.000	-	10	5.43
187.021.101.000	187.121.101.000	-	10	5.98
187.021.301.000	187.121.301.000	-	10	6.88
187.021.401.000	187.121.401.000	-	10	7.59
187.021.601.000	187.121.601.000	-	10	8.64
187.022.701.000	187.122.701.000	-	10	10.40
187.021.801.000	187.121.801.000	-	10	7.59
187.021.901.000	187.121.901.000	-	10	8.64
187.022.001.000	187.122.001.000	-	10	10.40





GRUP	KA	Α	В	C	D			Œ,
GR:01	350/450-650	155	-	-	-	$\overline{igorphi}$	2	-
GR:02	530-730	200	-	-	-	⊘	2	-
GR:03	685-890	250		120		⊘	2	1
GR:04	885-1090	400	-	120	-	⊘	4	1
GR:05	1085-1290	500		120		⊘	4	1
GR:06	1285-1490	500	-	120	-	⊘	6	2
GR:07	1385-1590	600	390	274		⊘	8	2
GR:08	1585-1790	600	290	354		⊘	8	2
GR:09	1785-1990	700	370	274	-	\odot	10	3
GR:10	1985-2190	700				⊗	8	2
GR:11	1785-1990	980				⊘	8	3
GR:12	1985-2190	980	-	-	-	⊘	10	3



Fornax PvcMotion Tilt & Turn Hardware 15mm Espagnolette (Fixed Handle)

Hardware Technical Details

Range of use : Min: 286mm - Max: 2400mm

Axis : 15mm

Handles location : Fixed Handle (under)

Body Type : ZamZamac bodyac

Security Level : w/Eccentric-Security Pin

Faulty usage / sash adjustment : Available

Hardware Description

Upper Extension ;

Additional Locking Espagnolette, Standard, small, Safety Pin, security small, ventilated, double pin corner transmission is usable

For the features of the Bottom Extension (vertical)

Middle lock hardware offers the ability to use the equipment. (see page 40)

■ The security of the 'Faulty usage - sash adjustment';

Faulty usage and sash lifting device, provides increased safety.

To regular the gasket pressure;

You can change the gasket pressure in a level range of +/- 0,8mm

Assembling;

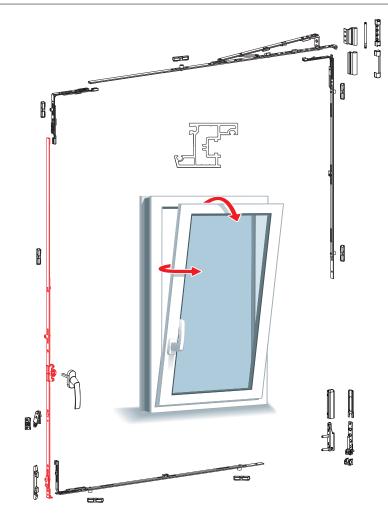
It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

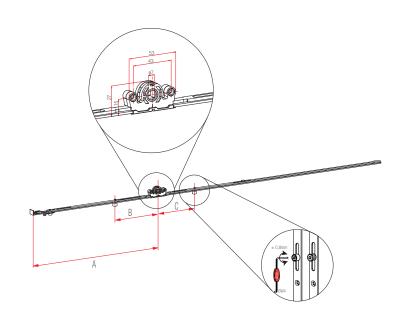
Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.



EP	GP GP	X	\$		
			Miktar	Kg	
-	-	185.030.401.000	10	3.69	
-	-	185.030.501.000	10	3.69	
185.030.701.000	185.140.701.000	-	10	4.57	
185.040.901.000	185.140.901.000	-	10	5.43	
185.041.101.000	185.141.101.000	-	10	5.98	
185.041.301.000	185.141.301.000	-	10	6.88	
185.041.501.000	185.141.501.000	-	10	7.59	
185.041.701.000	185.141.701.000	-	10	8.64	
185.042.901.000	185.142.901.000	-	10	10.40	





Technical Details

GRUP	KA	Α	В	С	D			
GR:01	295/395-600	155	-	-	-	Θ	2	-
GR:02	501-700	200	-	-	-	$\overline{igorphi}$	2	-
GR:03	701-900	250	-	120	-	Θ	2	1
GR:04	901-1100	400	-	120	-	②	4	1
GR:05	1101-1300	500	-	120	-	②	4	1
GR:06	1301-1500	600	-	120	-	\odot	6	2
GR:07	1501-1700	500	369	274		⊗	8	2
GR:08	1701-1900	900	290	354	-	\odot	8	2
GR:09	1901-2100	980	370	274		⊗	10	2

Fornax PvcMotion Tilt & Turn Hardware Additional Lock

Hardware Technical Details

Range of use Min: 210mm - Max: 630mm w/Eccentric-Security Pin Security Level

Hardware Description

Specifications;

Additional Locking provides to yours windows and door better insulation.

The Additional Locking is usable for Tilt & Turn and Double Sash, and you can use it even for the actif and passif sashes.

The Upper Extension;

Additional Locking Espagnolette is usable for standard,small,safety pin, security small , Double pin corner transmission

■ For the features of the Bottom Extension (bottom regulated)

The safety pins and safety pins corner transmission offers the ability to use the equipment. (see page 30)

To regular the gasket pressure;

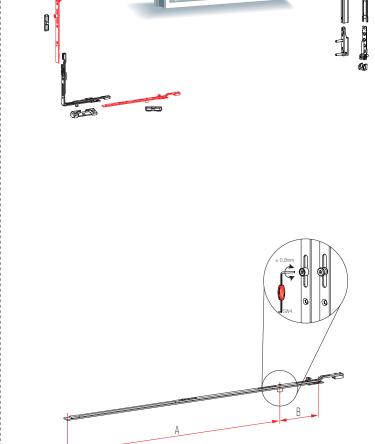
You can change the gasket pressure in a level range of +/- 0,8mm

Assembling;

It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.





EP EP	GP GP	X			
			Miktar	Kg	
189.150.401.000	189.250.402.000	-	10	2.50	
189.150.601.000	189.250.601.000	-	10	3.06	

ecnnicai Detaiis								
GRUP	KA	Α	В	С	D	A		P
GR:01	210-420	420	95	-	-	$\overline{igorphi}$	2	1
GR:02	420-630	628	95	-		<u> </u>	2	1



Fornax PvcMotion Tilt & Turn Hardware Faulty Usage & Sash Adjustment Device

Hardware Technical Details

7,5mm, 15mm, 30 mm Espagnolettes

Striker axis 9-13 Axis

Hardware Description

Connection Hardware;

 $7,\!5\text{mm}$, 15mm , 30 mm usable for Standard Espagnolette and Fixed Handle espagnolette (see page 23).

Striker;

Provides easy usable for 9 axis ,13 axis ,Thyssen type and Universal Double sash (see page 50)

■ The Security of the Faulty Usage & Sash Adjustment Device;

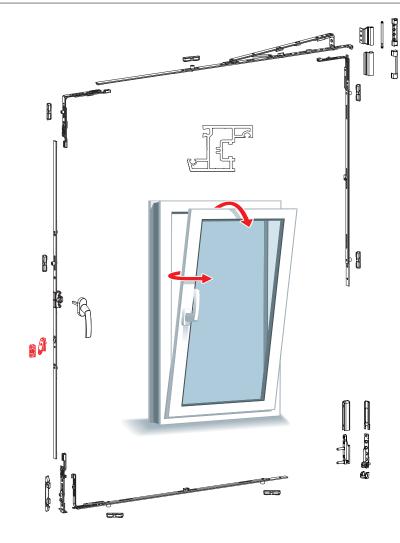
It provides safety usage for the using the window and door sashes . It obstacles the misuse of the door or window, this option provide longer life for the hardware.

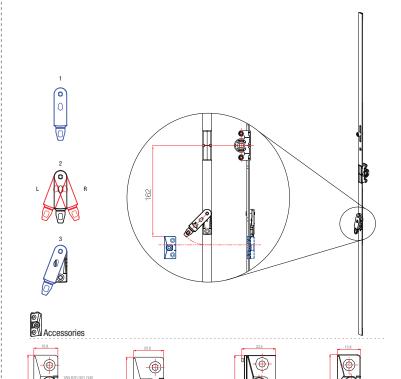
Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.

Assembling;

It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001







Urder Details			
		5	
		Amount	Kg
189.600.001.000	Faulty usage & Sash adjustment device	100	4.03

Tilt & Turn Hardware Corner Transmission (w/Eccentric Pin)

Hardware Technical Details

Security Level w/Eccentric Pin

Hardware Description

■ The Ventilation Option

The size of the ventilation capacity is dependent to the corner transmissions Striker. The Ventilation Strikers: 9 axis 189.643.003.000 13 axis 189.642.004.000

Stay Arm Connection;

It is usable for the standard system and Tilt First system, (see page 37)

 Additional Locking Connecting;
 Additional Locking on the on the Window of Door provide for the frame moor grig and warmer room temprature.

Espagnolette Connecting;

7,5mm , 15mm , 30 mm usable for Standard Espagnolette and Fixed Handle espagnolette (see page 23)

■ To regular the gasket pressure;

You can change the gasket pressure in a level range of +/- 0,8mm

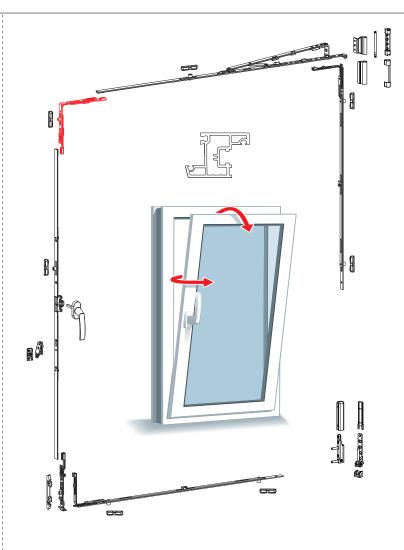
Assembling;

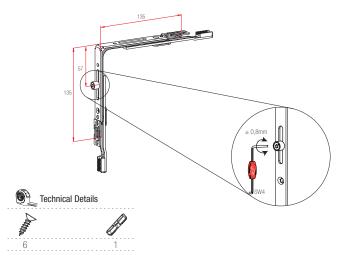
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.







Accessories







Tilt & Turn Hardwares Smal Corner Transmissions (w/Eccentric Pin)

Hardware Technical Details

Security Level : w/Eccentric Pin

Hardware Description

The Ventilation Option

The size of the ventilation capacity is dependent to the corner transmissions Striker. The Ventilation Strikers:
9 axis 189.643.003.000
13 axis 189.642.004.00

Stay Arm Connection;

Its usable for the standard system and Tilt First system, (see page 37)

Additional Locking Connecting;

Additional Locking on the on the Window of Door provide for the frame moor griğ and warmer room temprature.

Espagnolette Connecting;

7,5mm , 15mm , 30 mm usable for Standard Espagnolette and Fixed Handle espagnolette . (see page 23)

■ To regular the gasket pressure;

You can change the gasket pressure in a level range of +/- 0,8mm

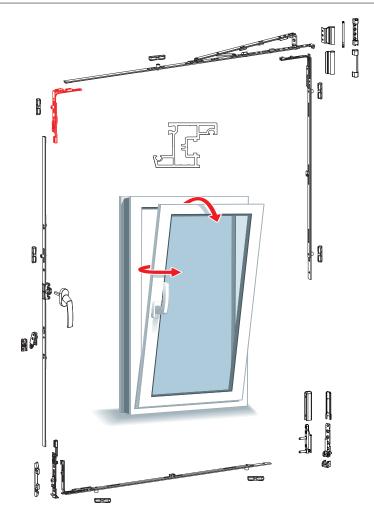
Assembling;

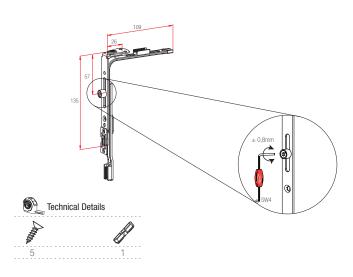
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.







Accessories





(Optional)
Ventilated Coner Transission Striker
9 Als 189,643.003.000

Tilt & Turn Hardware Corner Transmissions (w/Security Pin)

Hardware Technical Details

Security Level w/Security Pin

Hardware Description

■ The Ventilation Option

The size of the ventilation capacity is dependent to the corner transmissions Striker. The Ventilation Strikers: 9 axis 189.643.003.000 13 axis 189.642.004.00

Stay Arm Connection;

İts usable for the standard system and Tilt First system, (see page 37)

Additional Locking Connecting;

 $\label{eq:definition} \mbox{Additional Locking on the on the $\bar{$}$ Window of Door provide for he frame moor grig and $\bar{$}$ and $$ warmer room temprature.

■ Espagnolette Connecting; 7,5mm, 15mm, 30 mm usable for Standard Espagnolette and Fixed Handle espagnolette (see page 23)

Horizontal opening;

It can be use for horizontal opening.

■ To regular the gasket pressure;;

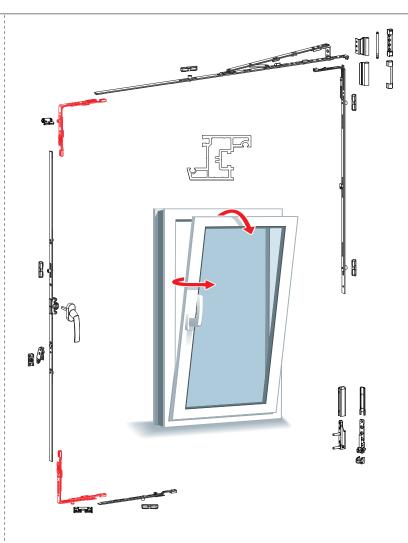
You can change the gasket pressure in a level range of +/- 0,8mm

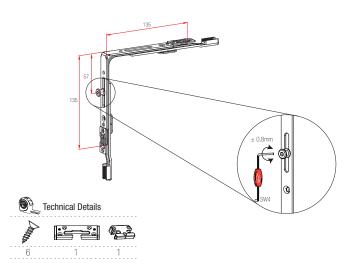
Assembling;

It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

YelkenCoat gives longer durability and corrosion protection to the hardware.



















Tilt & Turn Hardware Small Corner Transmissions (w/Security Pin)

Hardware Technical Details

Security Level w/Security Pin

Hardware Description

The Ventilation Option

The size of the ventilation capacity is dependent to the corner transmissions Striker. The Ventilation Strikers: 9 axis 189.643.003.000 13 axis 189.642.004.00

Stay Arm Connection;

its usable for the standard system and Tilt First system, (see page 37)

Additional Locking Connecting;

Additional Locking on the on the Window of Door provide for he frame moor griğ and warmer room temprature.

■ Espagnolette Connecting; 7,5mm, 15mm, 30 mm usable for Standard Espagnolette and Fixed Handle espagnolette (see page 23)

Horizontal opening;

It can be use for horizontal opening.

■ To regular the gasket pressure;; You can change the gasket pressure in a level range of +/- 0,8mm

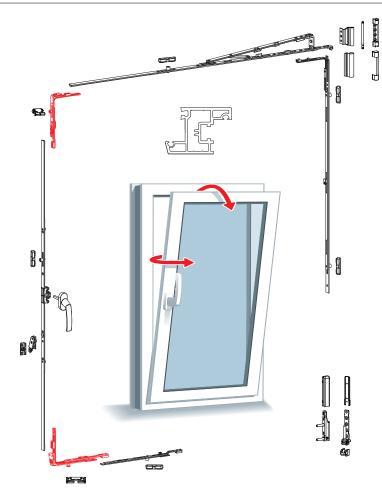
Assembling;

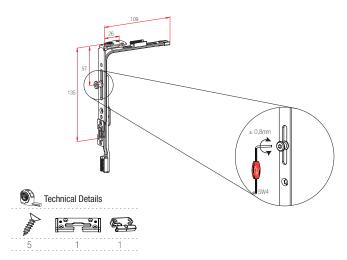
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.















Tilt & Turn Hardware Corner Transmissions (Double Pins)

Hardware Technical Details

Security Level w/Eccentric Pin + w/Security Pin

w/Eccentric Pin + w/Eccentric Pin (Optional)
w/Security Pin + w/Security (Optional)

Hardware Description

The Ventilation Option

The size of the ventilation capacity is dependent to the corner transmissions Striker. The Ventilation Strikers: 9 axis 189.643.003.000 13 axis 189.642.004.00

Stay Arm Connection;

its usable for the standard system and Tilt First system, (see page 37)

Additional Locking Connecting;

Additional Locking on the on the Window of Door provide for he frame moor gri and warmer room temprature.

Espagnolette Connecting;

7,5mm , 15mm , 30 mm usable for Standard Espagnolette and Fixed Handle espagnolette (see page 23)

Bottom Regulated;

Alttan Devrilme İçin Kullanılabilir

To regular the gasket pressure;;

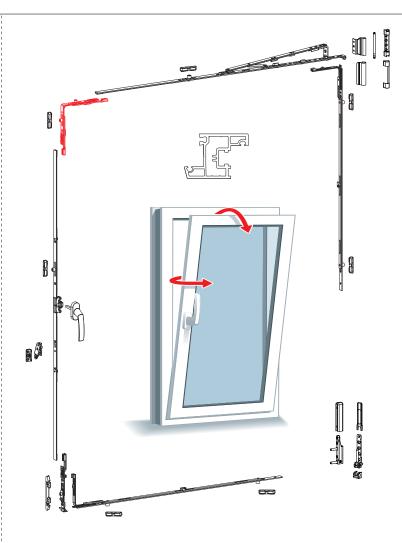
You can change the gasket pressure in a level range of +/- 0,8mm

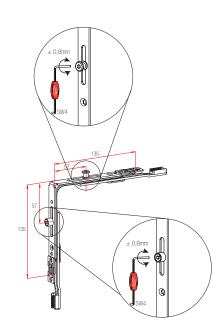
Assembling;

It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

YelkenCoat gives longer durability and corrosion protection to the hardware.

0 0			
		夢	
	Description	Amount	Kg
181.060.001.000	Double Pins w/Normal /Security Pin	100	17.00
181.070.001.000	Double Pins wNormal /Normal Pin	100	17.00
181.080.001.000	Double Pins w/Security/Security Pin	100	17.00





Tec	chnical Details	S
Ama		
6	1	1
6		2
6	2	



Tilt & Turn Hardware Corner Transmissions (w/Micro Vantilation)

Hardware Technical Details

Security Level : w/Eccentric Pin

Hardware Description

Usable for 4 positions;

- 1. Closed position
- 2. Only Tilt open Position
- 3. Tilt & Turn (Tilt Position) and Micro Ventilation Position
- 4. Tilt & Turn tilt Position

Additional Locking Connecting;

Additional Locking on the on the Window of Door provide for the frame moor grig and warmer room temprature.

Espagnolette Connecting;

7,5mm , 15mm , 30 mm usable for Standard Espagnolette and Fixed Handle espagnolette (see page 23)

■ To regular the gasket pressure;

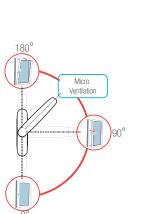
You can change the gasket pressure in a level range of +/- 0,8mm

Assembling;

It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

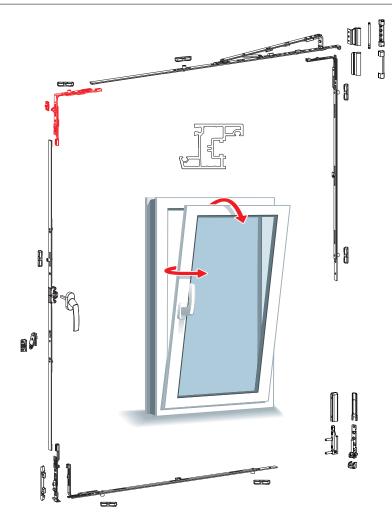
Coating;

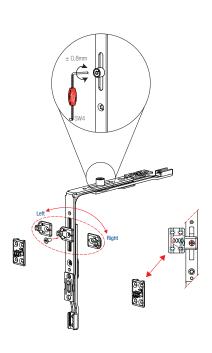
YelkenCoat gives longer durability and corrosion protection to the hardware





_ 0 0					
EP EP		\$			
	Description	Amount	Kg		
181.050.001.000	Corner Transmission(Micro Ventilation))	100	19.50		
181.051.001.000	Corner Transmission(Micro Ventilation) Thyssen	100	19.50		











Fornax PvcMotion Tilt & Turn Hardware Stay Arm

Technical Details

Usage Range Min: 286mm - Max: 1600mm Security Level w/Eccentric/Security Pin

Hardware Description

25 mm Clutching before for the Wide Sashes;

Mechanism on the Stay Arm reaches the clutching before 25 mm, during the sash is changed from tilt opening position to closed position.: (see figure 1)

Movement Limitations ;

During the essambling process of middle lock and stay arm, bottom part of stay arm avoids right - left, up and down movement of the middle lock (see Figue 3-4)

Extra Screwing;;

■ as you see in figure (3,4) the Stay Arm binds the Fornax productions and in the same time it gives the flexibility between them, and gives also the possibility for the Middle lock to move to the 4 directions (above, down, right and left)

The Corner Connection;;
■ Usable for: Standard, Small, Security Pin, Small Security, Ventilationing, Corner Transmission with double Pins (see page 30)

By using the standard Corner Transmission, the width will be minimum:395mm.

By using the Small Corner Transmission, the width will be minimum 286mm.

Hinge Connection;

For the upper hinge connection 9-20 mm , 10-20 mm , 13-20 mm , 14-22 mm , 13-22 mm, (see page 46).

Additional Locking Connecting;

Additional Locking on the on the Window of Door provide isolation and warmer room temprature.

To regular the gasket pressure;

■ You can change the gasket pressure in a level range of +/- 0,8mm

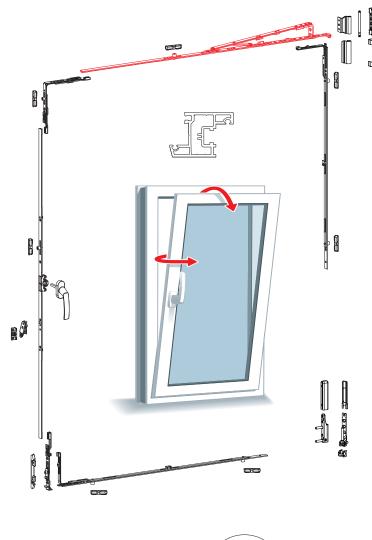
Assembling;

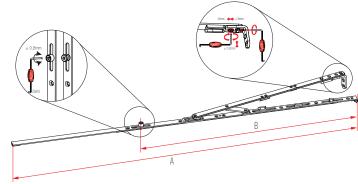
■ It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

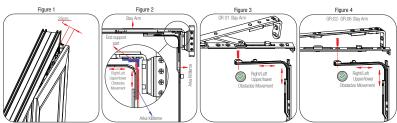
Coating:

YelkenCoat gives longer durability and corrosion protection to the hardware

EP	GP GP	X	100	
			Amount	Kg
-	-	182.010.401.000	10	3.55
-	-	182.010.410.000	10	4,15
-	-	182.010.501.000	10	4.98
182.010.501.000	182.110.501.000	-	10	4.87
182.010.801.000	182.110.801.000	-	10	6.12
182.010.001.000	182.110.001.000	-	10	7.06
182.011.201.000	182.111.201.000	-	10	8.88
182.011.101.000	182.111.101.000	-	10	9.76









GRUP	KA	Α	В	С	D		
GR:01	395-600	495	-	-	-	3	-
GR:01-1	400-650	565	-	-	-	5	-
GR:02	595-800	665	-	-	-	5	-
GR:02-1	595-800	665	392	-	-	5	1
GR:03	795-1000	865	542	-	-	7	1
GR:04	995-1200	1065	542	-	-	8	1
GR:05	1195-1400	1265	781	-	-	9	1
GR:06	1395-1600	1465	865	-	-	10	1



Fornax PvcMotion Tilt & Turn Hardware Stay Arm (Tilt First)

Hardware Technical Details

Usage Range Min: 495mm - Max: 1200mm Security Level w/Eccentric/Security Pin

Hardware Description

it developed specially for kids rooms, kinder gartens, scholls, hospitals and the facișities in which windows are not to recommended to open wide.

The Corner Connection;

Usable for: Standard, Small, Security Pin, Small Security, Ventilationing, Corner Transmission with double Pins (see page 30)

Hinges Connection;

Its usable for the following dimensions of Stay Arms 9-20 \mbox{mm} , 10-20 \mbox{mm} , 13-20 \mbox{mm} , 14-22 mm , 13-22 mm (see page 46)

Additional Locking Connecting;

Additional Locking on the on the Window or Door provids isolation and warmer room temprature.

To regular the gasket pressure;

You can change the gasket pressure in a level range of +/- 0,8mm

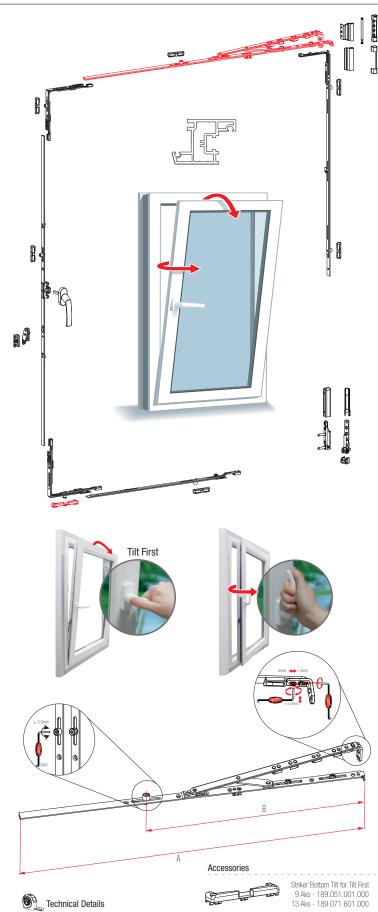
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware

Order Details

0 0				
EP EP	GP GP	X		
			Amount	Kg
	-	182.310.401.000	10	3.55
-	-	182.310.410.000	10	4.15
-	-	182.310.501.000	10	4.98
182.310.501.000	182.310.501.000	-	10	4.87
182.310.801.000	182.310.801.000	-	10	6.12
182.311.001.000	182.311.001.000	-	10	7.06



GRUP	KA	Α	В	С	D		EP.
GR:01	395-600	495	-	-	-	3	-
GR:01-1	400-650	565			-	5	
GR:02	595-800	665	-	-	-	5	-
GR:02-1	595-800	665	392		-	5	1
GR:03	795-1000	865	542			7	1
GR:04	995-1200	1065	542		-	8	1

13 Aks - 189.071.601.000

Tilt & Turn Hardware
Top Extension Piece (for Turn-Only)

Hardware Technical Details

Usage Range : Turn Only (For Tilt & Turn hardwares)
Security Level : w/Eccentric/Security Pin

Hardware Description

Espagnolette Connection;

Additional Espagnolette Locking is usable for the following dimensions, 7,5mm ,15mm , 30mm standard espagnolettes (see page 23) $\,$

■ Middle Lock Connection;

Usable for middle locking. (see page 40)

■ To regular the gasket pressure;

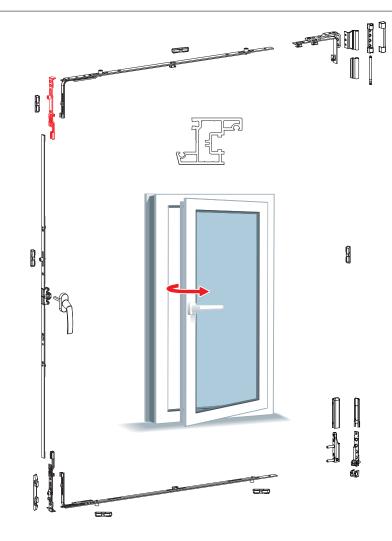
You can change the gasket pressure in a level range of +/- 0,8mm

Assembling;

It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware





Accessories





order Detaile			
EP EP			
	Description	Amount	Kg
184.020.001.000	Top Extension Piece (for Turn-Only System)	100	7.70



Fornax PvcMotion Tilt & Turn Hardware Bottom Extension Piece

Hardware Technical Details

Range of use : Side Regular Tilt & Turn
Security Level : w/Eccentric/Security Pin

Hardware Description

Pressured Fixing;

The Joint Piece is readily available on the Bottom Extension; This Joint piece helps for better pressure in the Tilt position, and of course that help for anti leak of water or air. "see figure 5"

Espagnolette Connection;

Additional Espagnolett Locking is usable for the following dimensions, 7,5mm ,15mm , 30mm standard espagnolettes (see page 23)

■ Middle Lock Connection;

Usable for the middle locking. (see page 39)

Strikers;

According to your profile you can choose the following strikers: 189.110.001.000 Double Nail 9mm Right/Left Double Nail 13mm Right/Left 189.110.001.000 Right/Left 189.170.001.000 9mm Right/Left 13mm 189.160.001.000 9+1mm 189.190.001.000 Right/Left 13+1mm Right/Left 189.180.001.000 189.161.001.000 13/22 Thyysen Right/Left Are compatible for the following Strikers (see page 50)

■ To regular the gasket pressure;

You can change the gasket pressure in a level range of +/- 0,8mm

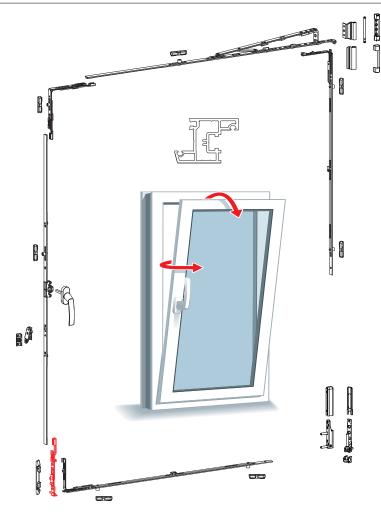
Assembling;

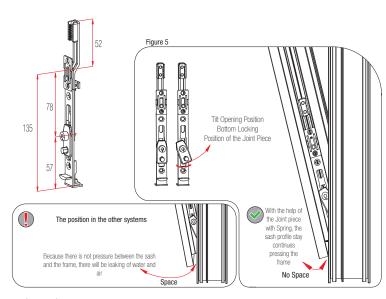
It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

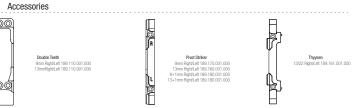
Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware









Fornax PvcMotion Tilt & Turn Hardware Middle Lock

Hardware Technical Details

Usage Range Min: 400mm - Max: 2400mm Security Level w/Eccentric/Security Pin

Hardware Description

$\color{red}\blacksquare \ \, \text{Bottom Extension} \ ;$

Usable for Bottom Locking and Fixed Handle Espagnolette

■ Back Extension;

Usable for the Stay Arm. (see page 36)

Additional Locking Connecting;
Additional Locking on the on the Window or Door provide isolation and warmer room temprature.

■ To regular the gasket pressure;

You can change the gasket pressure in a level range of +/- 0,8mm

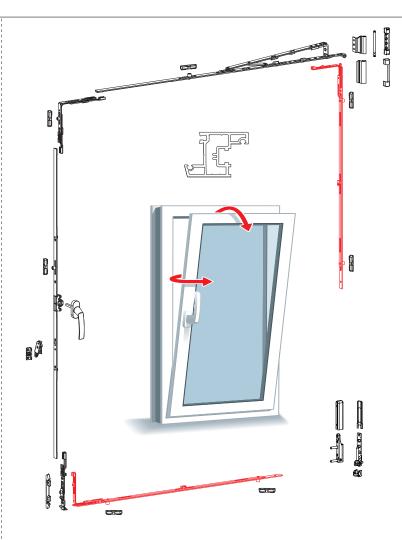
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

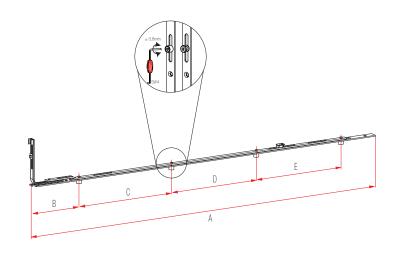
Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.

Order Details

EP	GP GP	X	Ş	
			Miktar	Kg
183.010.401.000	183.110.401.000	-	10	1.11
183.010.601.000	183.110.601.000	-	10	2.52
183.010.701.000	183.110.701.000	-	10	3.45
183.010.901.000	183.110.901.000	-	10	4.56
183.011.101.000	183.111.101.000	-	10	5.87
183.011.401.000	183.111.401.000	-	10	7.03
183.011.801.000	183.111.801.000	-	10	8.40





Technical Details

GROUP	KA	Α	В	С	D	Ε		
GR:00	400-800	220	127	-	-	-	2	1
GR:01	700-1150	537	127	333	-	-	3	2
GR:02	1150-1500	737	127	533			7	2
GR:02-1	1350-1600	987	127	333	-	450	7	3
GR:03	1500-1850	1237	127	333		700	7	3
GR:04	1500-2100	1481	127	547	-	730	8	3
GR:05	2100-2400	1780	127	333	643	600	10	4



8

Fornax PvcMotion Tilt & Turn Hardware Stay Arm Bearing & pin

Hardware Technical Details

Carrying Capacity : Ø3 80 Kg / Ø6 100 Kg

 Pins
 : Ø3 / Ø6

 Body Type
 : Zamac

Hardware Description

Stay Arms connection ;

All Stay Arms are usable. 9-20 axis 186.052.001.000 10-20 axis 186.053.001.000 13-20 axis 186.082.001.000 13-22 axis 186.084.001.000 14-22 axis 186.083.001.000

Assembling;

It helps to easy the installation and save much time. 3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.

9 Ø6 20mm 20.5mm Accessories

0 0				
۵a		*		
V0	Description	Amount	Kg	
186.032.001.000	Ø3 Stay Arm Bearing & pin	100	4.50	
186.031.001.000	Ø6 Stay Arm Bearing & Pin	100	4.50	



Fornax PvcMotion Tilt & Turn Hardware Self Jigged Stay Arm Bearing

Hardware Technical Details

 Carrying Capacity
 : 100 KG

 Pins
 :

 Body Type
 : Zamac

Hardware Description

■ Stay Arms connection ;

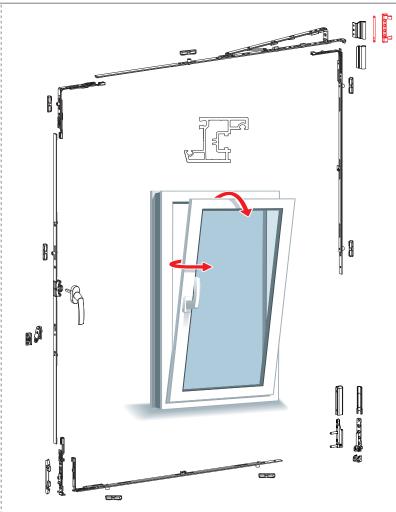
All Stay Arms are usable. 9-20 axis 186.052.001.000 10-20 axis 186.053.001.000 13-20 axis 186.082.001.000 13-22 axis 186.084.001.000 14-22 axis 186.083.001.000

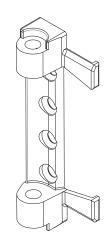
Assembling;

It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware











_ - 				
Ø6		5		
90	Description	Amount	Kg	
186 033 001 000	Self iigged stay arm bearing	100	4 93	

Fornax PvcMotion Tilt & Turn Hardware Bottom Hinge (Frame Part)

Hardware Technical Details

Carrying Capacity : Ø3 80 Kg / Ø6 100 Kg

 Pins
 : Ø3 / Ø6

 Body Type
 : Zamac

Hardware Description

■ L Hinge

Usables to the L Hinge

■ Stay Arms connection ;

All Stay Arms are usable. Ø3 186.011.001.000 Ø6 186.010.001.000

Assembling;

It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware.

Order Details	±0,8 mm ±2,5 mm	SW4

8



18.5mm

Fornax PvcMotion Tilt & Turn Hardware Stay Arm Hinge

Hardware Technical Details

 Carrying Capacity
 : 100 KG

 Pins
 :

 Body Type
 : Sac

Hardware Description

Stay Arm Connection;

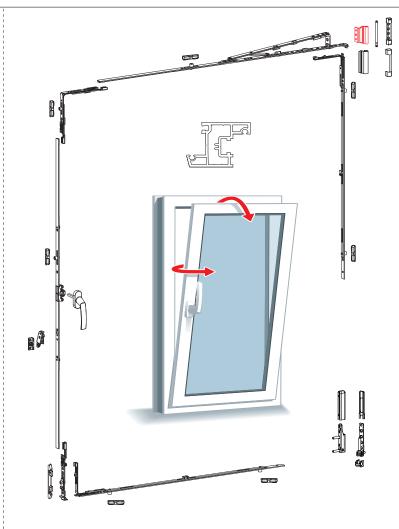
Usable for all typs of Stay Arms. (see page 36)

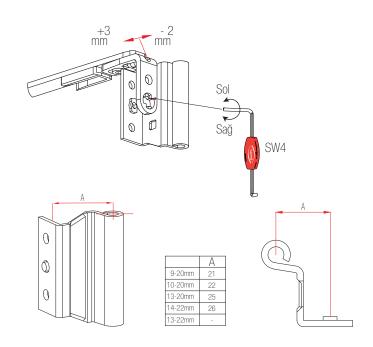
Assembling;

It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware









	Description	Amount	Kg
186.052.001.000	9-20mm Stay Arm Hinge	100	7.15
186.053.001.000	10-20mm Stay Arm Hinge	100	7.15
186.082.001.000	13-20mm Stay Arm Hinge	100	7.15
186.083.001.000	14-22mm Stay Arm Hinge	100	7.15
186.084.001.000	13-22mm Stay Arm Hinge	100	7.15



Fornax PvcMotion Tilt & Turn Hardware Bottom Hinge (Sash Part) Ø3

Hardware Technical Details

 Carrying Capacity
 : 80 KG

 Pins
 : Ø3

 Body Type
 : Zamac

Hardware Description

■ Bottom Hinge (Frame Part) Connection;

Usables for the Frames lower Hinge

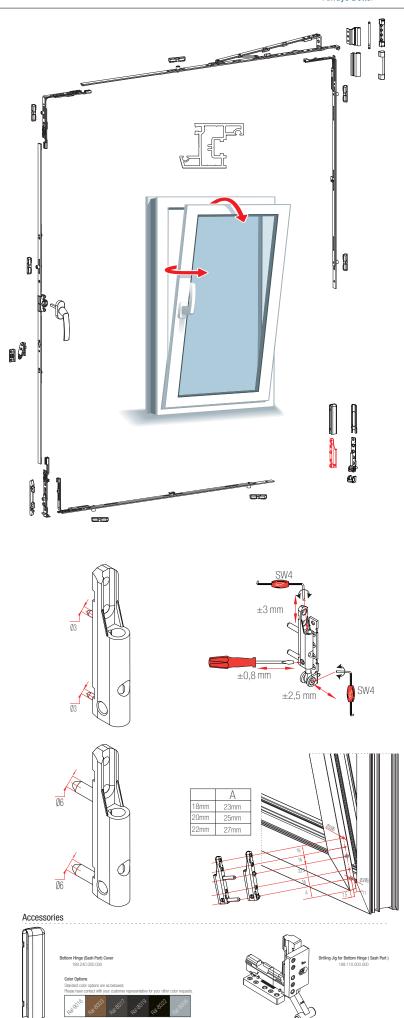
Assembling

It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001

Coating;

YelkenCoat gives longer durability and corrosion protection to the hardware

Order Details			
Ø3		Amount	Kg
186.011.001.000	Ø3 Bottom Hinge (Sash Part)	100	5.94
186.010.001.000	Ø6 Bottom Hinge (Sash Part)	100	5.94



Note: Technical detail sizes are milimetric.



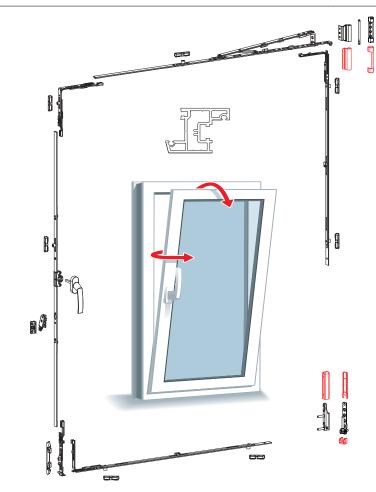
Fornax PvcMotion Tilt & Turn Hardware **Hinge Covers**

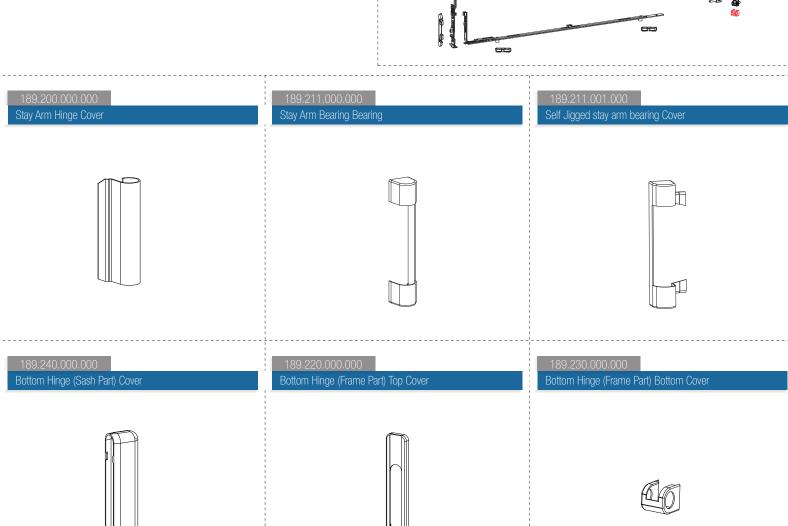
Hardware Technical Details

Color Options

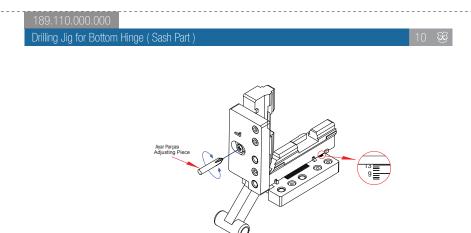
Standard color options are as belowed.
Please have contact with your customer representative for your other color requests.



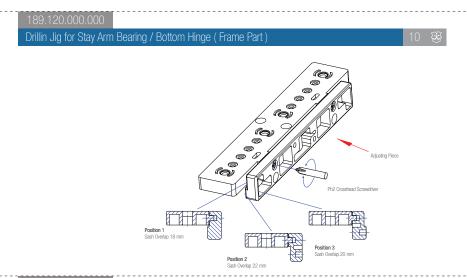




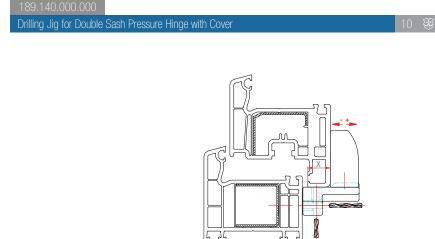
Fornax PvcMotion Tilt & Turn Hardware Drilling Jig

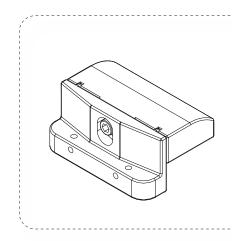






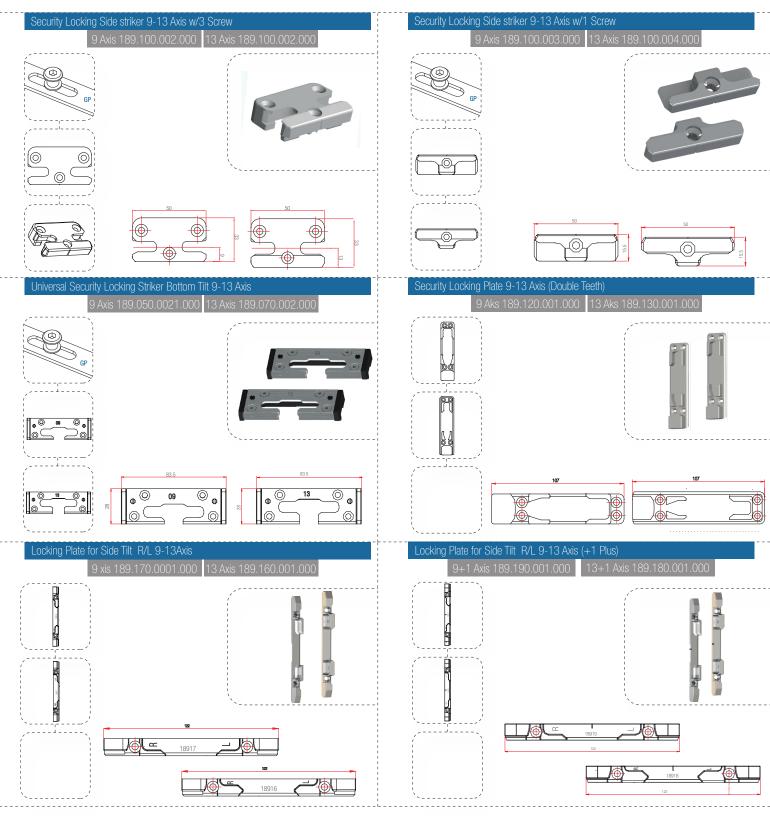




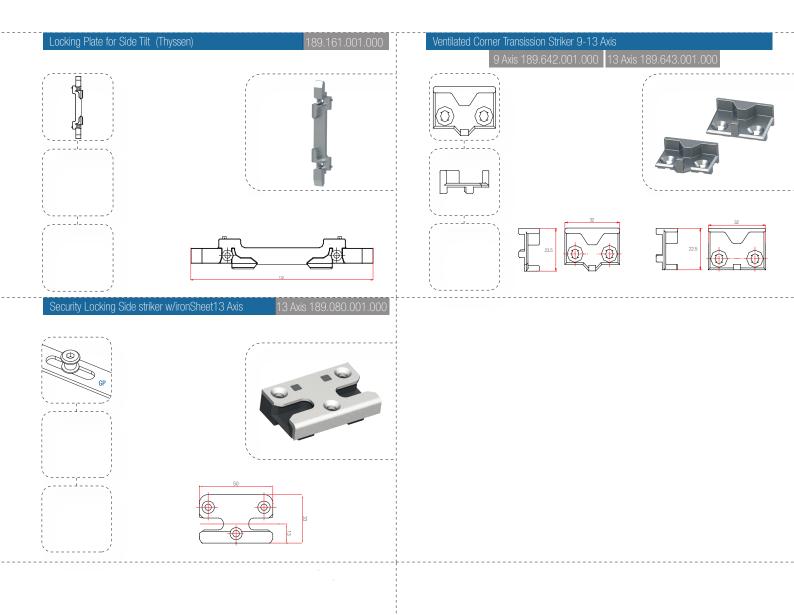




Fornax PvcMotion Tilt & Turn Hardware Strikers



Fornax PvcMotion Tilt & Turn Hardware Strikers



Yelken Kalıp Pencere Kapı Aksesuarları ve Metal Sanayi Tic. A.S.

Kırac İstiklal Mah. Ahmet Hasim Cad. No: 27

Esenyurt - İstanbul - TURKEY
Telefon : +90 212 771 01 01 PBX
Faks : +90 212 771 01 15
sales@fornax.com.tr
www.fornax.com.tr



