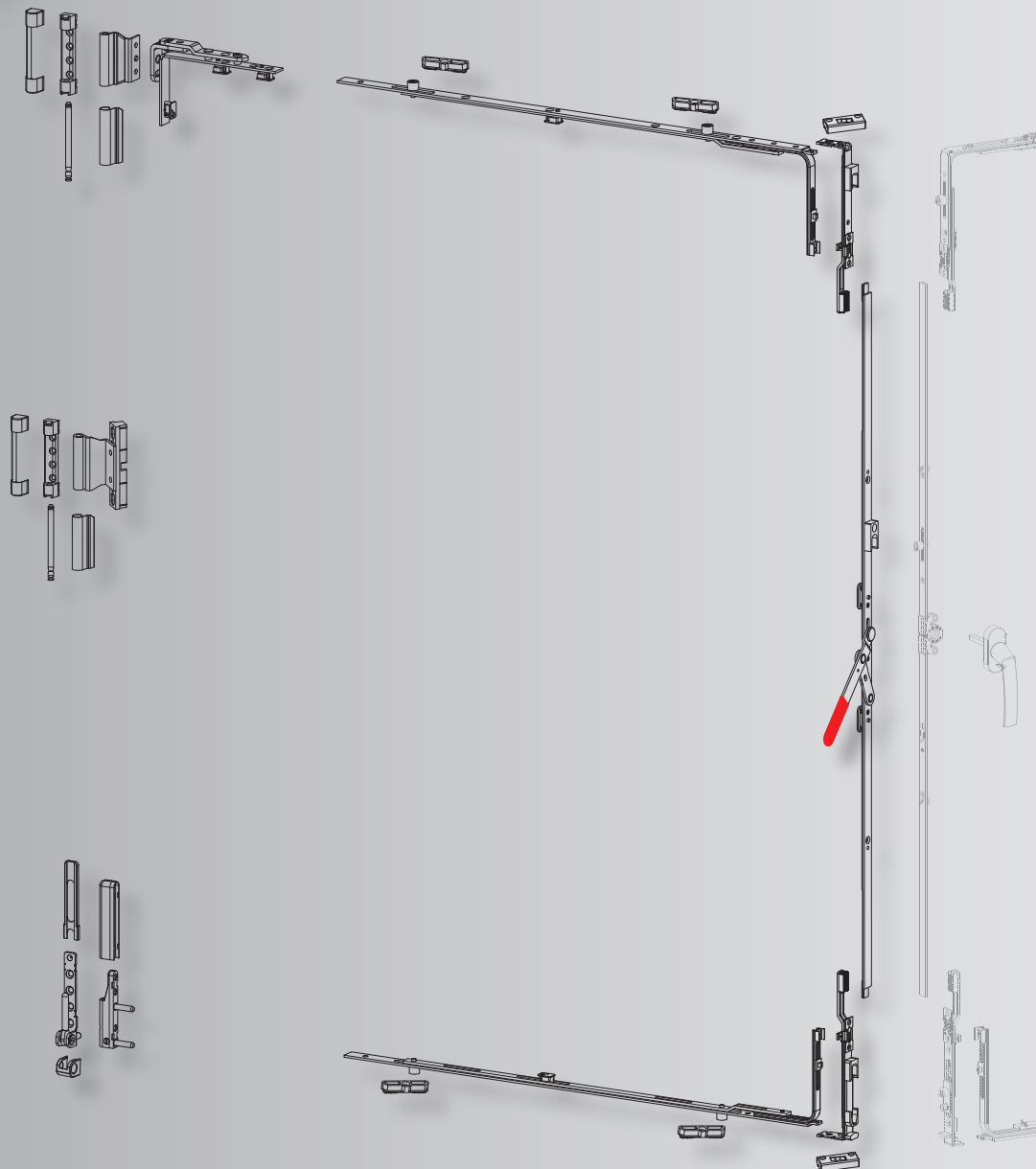
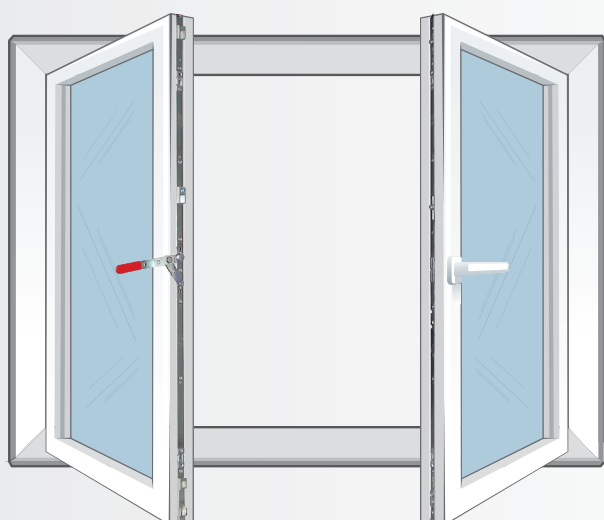


2

Fornax PvcMotion Double Sash Hardware



Fornax PvcMotion
Double Sash Hardware



Index

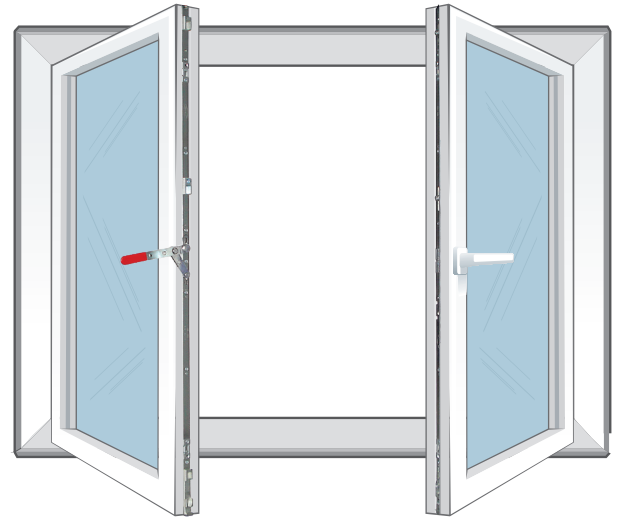
Technical Specifications	54
Double Sash Gear (Centred Handle)	56
Double Sash Door Gear (Centred Handle)	57
Double Sash Gear (Fixed Handle)	58
Shoots	59
Hinge Sets	63
Hidden Central Hinges	64
Pressure Hinges	65
Rebate Hinges	70

Fornax PvcMotion Double Sash Hardware

Details;

Fornax PVC Channel Double Sash 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. Holes of the T&T Stay Arm Hinges and Stay Arm Bearing can be drilled by same jig.
- Systems parts are fixed in centered position for easy assembling..
- Double sash hinges body can be used both for right and left hand opening by adjusting Stay Arm Hinge.
- YelkenCoat gives longer durability and corrosion protection to the Hardware
- You can change the gasket pressure in a level range of +/- 0,8mm
- Vertical position of the sash can be adjusted by screw on the Drill in Corner Hinges



Our Advantages

- Our system is convenient for the Fixed Handle Espagnolette
- The system is ideal with 100 kgs carrying capacity of the sash for tilt and turn opening.
- Can be assembled with in short time.
- Our system features 2 types of hinges for the corner connection

Fornax PvcMotion Double Sash Hardware

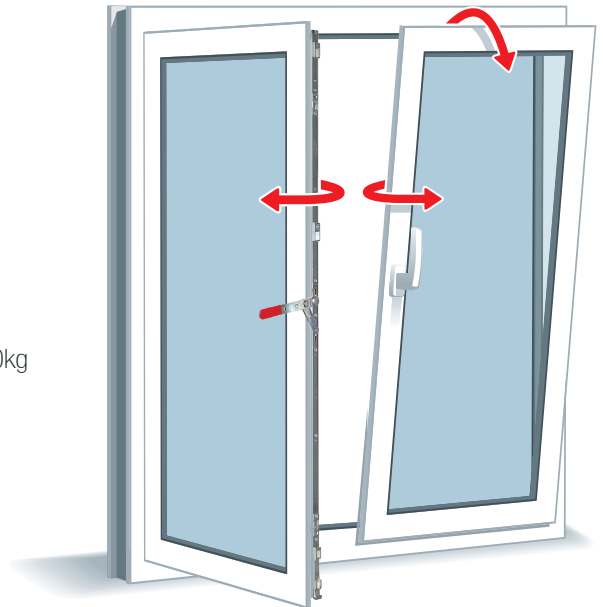
Technical Specifications

- KG - Sash Width286mm - 1600mm
- KY - Sash Height.....585mm - 2400 mm
- KA.kg_{max} - Sash Weight.....Ø3 Hinge max. 80kg / Ø6 Hinge max. 100kg
- YK - Surface CoatingAlkali-Zinc

Color Options

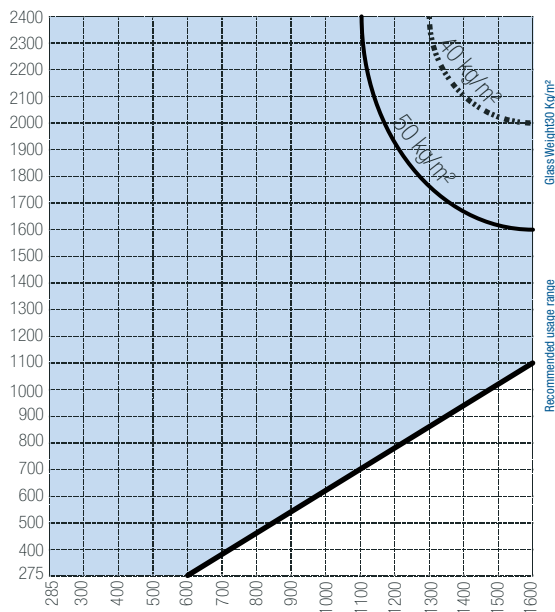
- Standard color options are as belowed. Please have contact with your customer representative for your other color requests

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

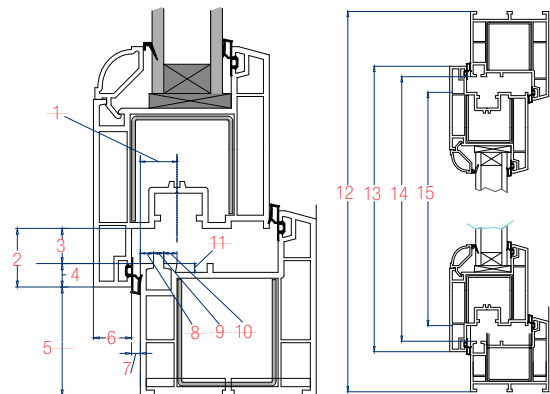


100 kg Load Diagram

Glass Weight kg/m



Note: The Contents in this table show the weight of the Glass kg/m²
 The system is ideal with 100 - kgs carrying capacity of the sash
 The weight of the Glass (1mm thickness) is 2,5kg for each 1m²
 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

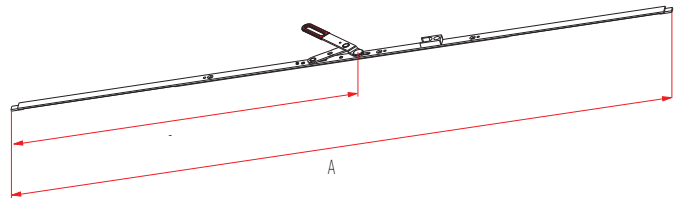
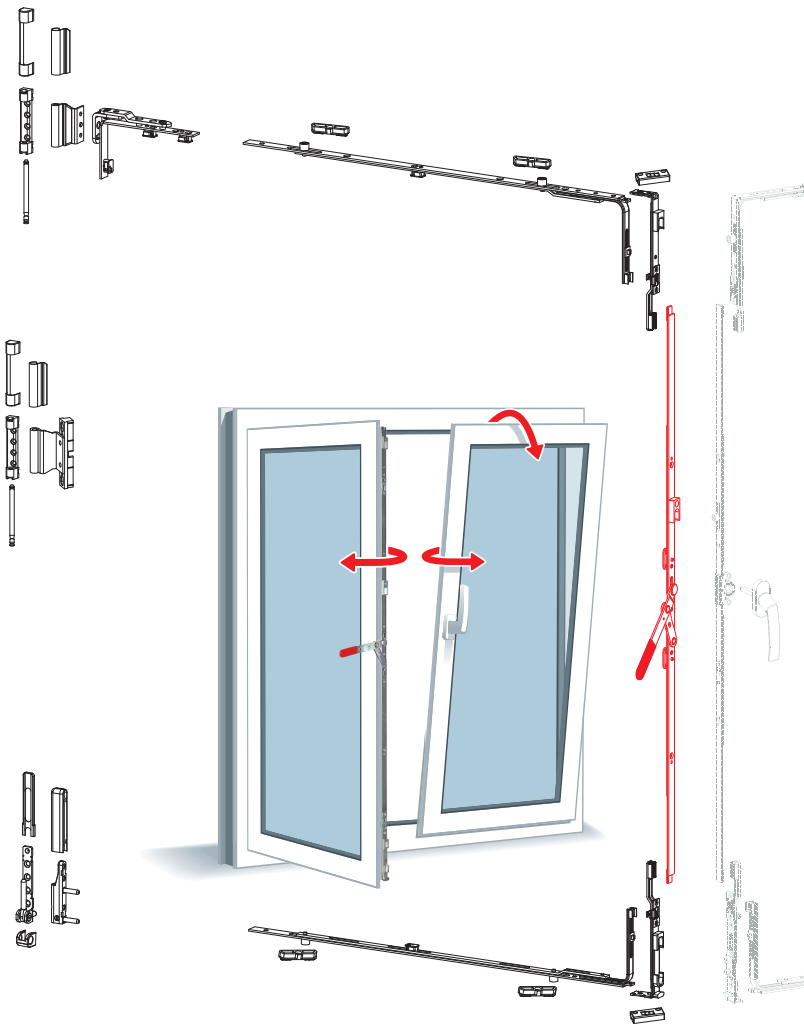
Fornax PvcMotion
Double Sash Hardware
Double Sash Gear (Centred Handle)

Hardware Technical Details

Range of use : Min: 585mm - Max: 2400mm
Handles location : Centred Handle

Hardware Description

- **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

Code	Description		
		Amount	Kg
188.010.701.000	Centred Handle Gear	10	3.55
188.021.001.000	Centred Handle Gear	10	5.29
188.021.301.000	Centred Handle Gear	10	6.74
188.021.501.000	Centred Handle Gear	10	7.45
188.021.701.000	Centred Handle Gear	10	8.50
188.021.101.000	Centred Handle Gear	10	10.26

 Technical Details

GROUP	KA	A	B	C	D			
GR:01	585-1000	730	-	-	-		2	-
GR:02	885-1300	1030	-	-	-		2	1
GR:03	1185-1600	1330	-	-	-		4	1
GR:04	1385-1800	1530	-	-	-		4	1
GR:05	1585-2000	1730	-	-	-		6	2
GR:06	1985-2400	2130	-	-	-		8	2

Note: Technical detail sizes are millimetric.

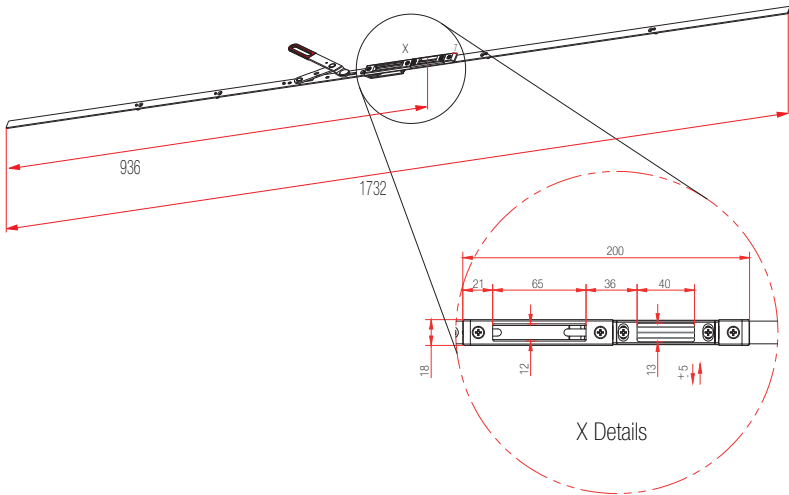
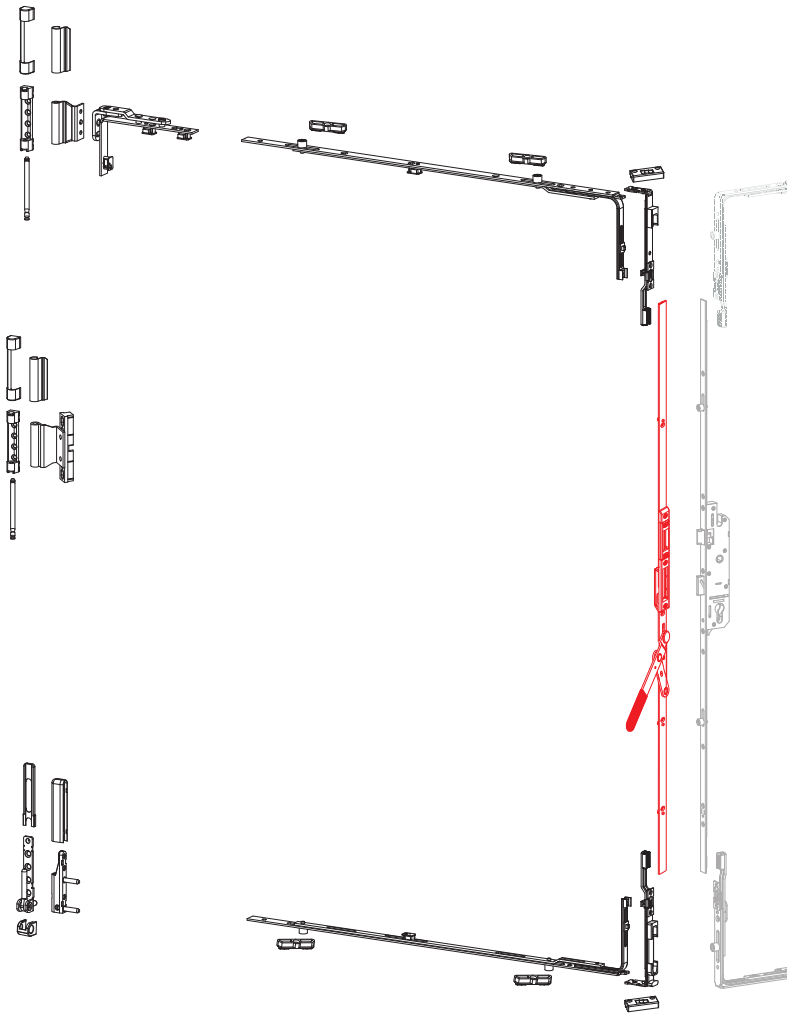
Fornax PvcMotion
Double Sash Hardware
Double Sash Door Gear (Centred Handle)

Hardware Technical Details

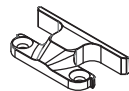
Range of use : Min: 1600mm - Max: 2200mm
Handles location : Centred Handle

Hardware Description

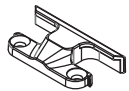
- **Assembling;**
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001
- **Coating;**
YelkenCoat gives longer durability and corrosion protection to the hardware.



Accessories



Eccentric Pin Striker
9 Als 220.134.001.000
13 Als 220.998.001.000



Eccentric Pin Striker
9 Als 220.134.001.000
13 Als 220.998.001.000

Note: Technical detail sizes are millimetric.

Order Details

Code	Description		
		Amount	Kg
188.121.731.000	1600-2000	10	-
188.121.931.000	1800-2200	10	-

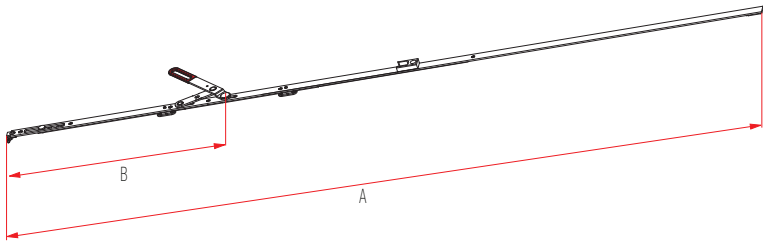
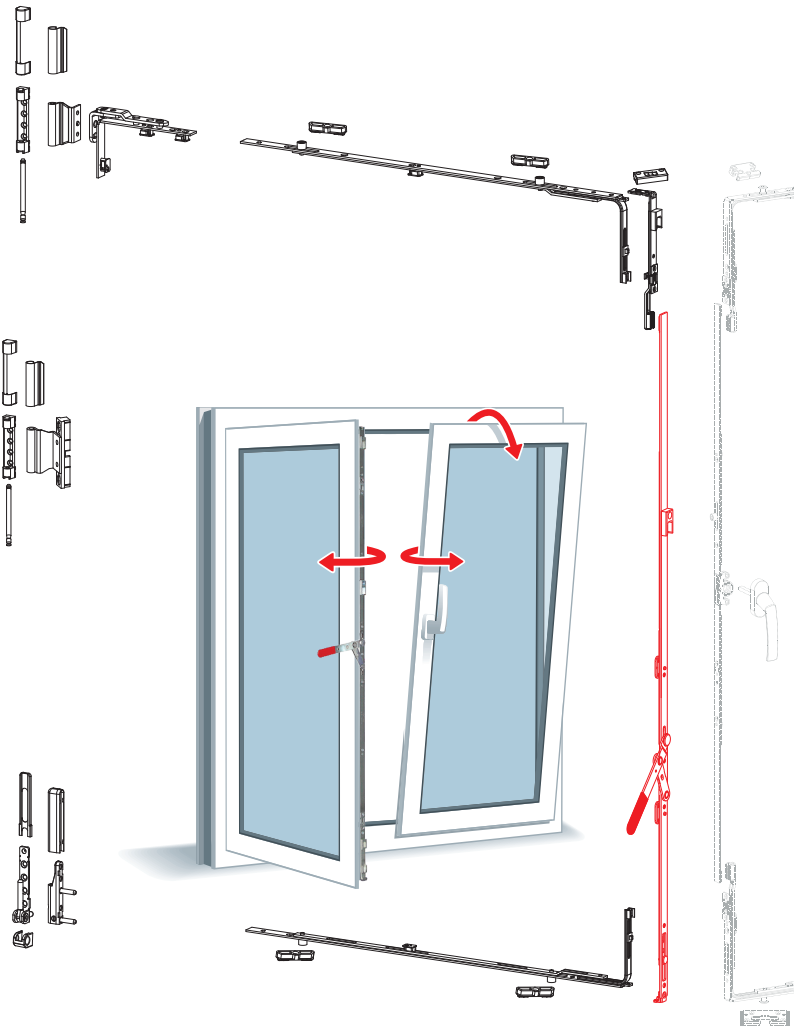
Fornax PvcMotion
Double Sash Hardware
Double Sash Gear (Fixed Handle)

Hardware Technical Details

Range of use : Min: 501mm - Max: 2400mm
Handles location : Fixed Handle

Hardware Description

- **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

Code	Description		
		Amount	Kg
188.110.501.000	Centred Handle Gear	10	3.55
188.110.701.000	Centred Handle Gear	10	5.29
188.110.901.000	Centred Handle Gear	10	6.74
188.111.101.000	Centred Handle Gear	10	7.45
188.111.301.000	Centred Handle Gear	10	8.50
188.111.501.000	Centred Handle Gear	10	10.26

 Technical Details

GRUP	KA	A	B	C	D			
GR:01	501-700	580	275	-	-		5	-
GR:02	701-900	760	305	-	-		5	1
GR:03	901-1100	960	455	-	-		7	1
GR:04	1101-1300	1160	555	-	-		7	1
GR:05	1301-1500	1360	315	-	-		8	1
GR:06	1501-1700	1560	278	-	-		9	2

Note: Technical detail sizes are millimetric.

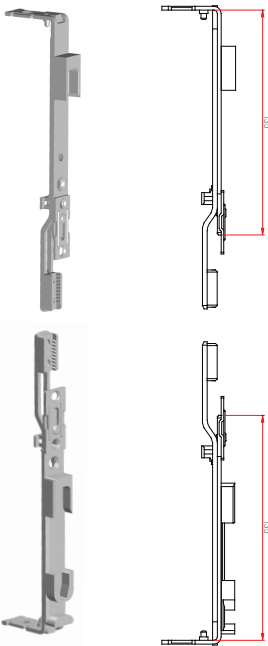
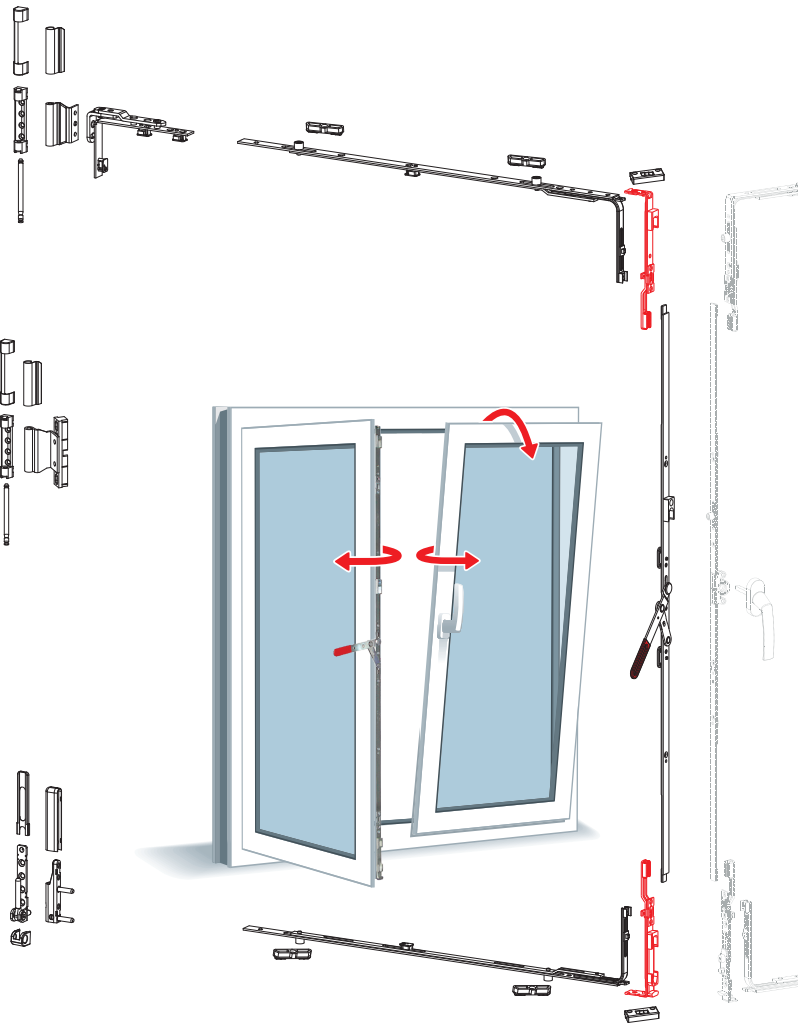
Fornax PvcMotion
Double Sash Hardware
Espagnolette Shoot Set

Hardware Technical Details

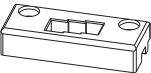
Range of use : Double Sash Systems
Handles location : 9mm - 13mm

Hardware Description

- **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



Sash Bolt Striker
9 Axis 186.240.001.000
13 Axis 186.250.001.000

Note: Technical detail sizes are millimetric.



Order Details

Code	Description	Amount	Kg
189.440.011.000	9 Axis	10	1.51
189.450.011.000	13 Axis	10	1.51

Fornax PvcMotion
Double Sash Hardware
Top Shoot Set

Hardware Technical Details

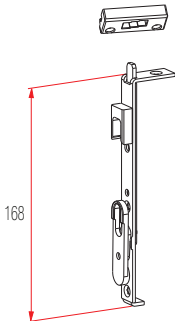
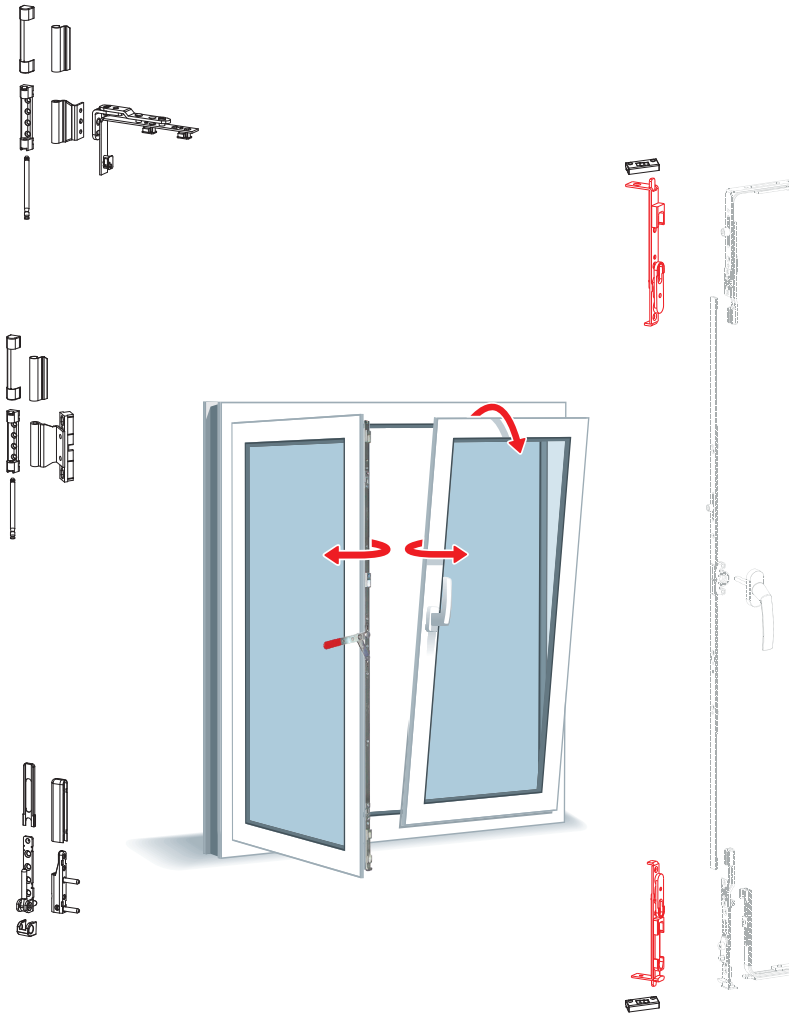
Range of use : Double Sash Systems
Axis : 9mm - 13mm

Hardware Description

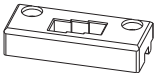
- **Assembling;**
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001
- **Coating;**
YelkenCoat gives longer durability and corrosion protection to the hardware.

 Order Details

Code	Description		
		Amount	Kg
189.420.011.000	9 Axis	10	1.51
189.430.011.000	13 Axis	10	1.51



Accessories



Sash Bolt Striker
9 Axis 186.240.001.000
13 Axis 186.250.001.000

Note: Technical detail sizes are millimetric.

Fornax PvcMotion
Double Sash Hardware
Bottom Shoot Set

Hardware Technical Details

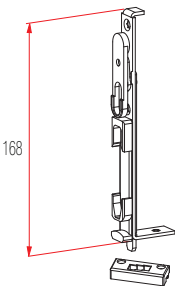
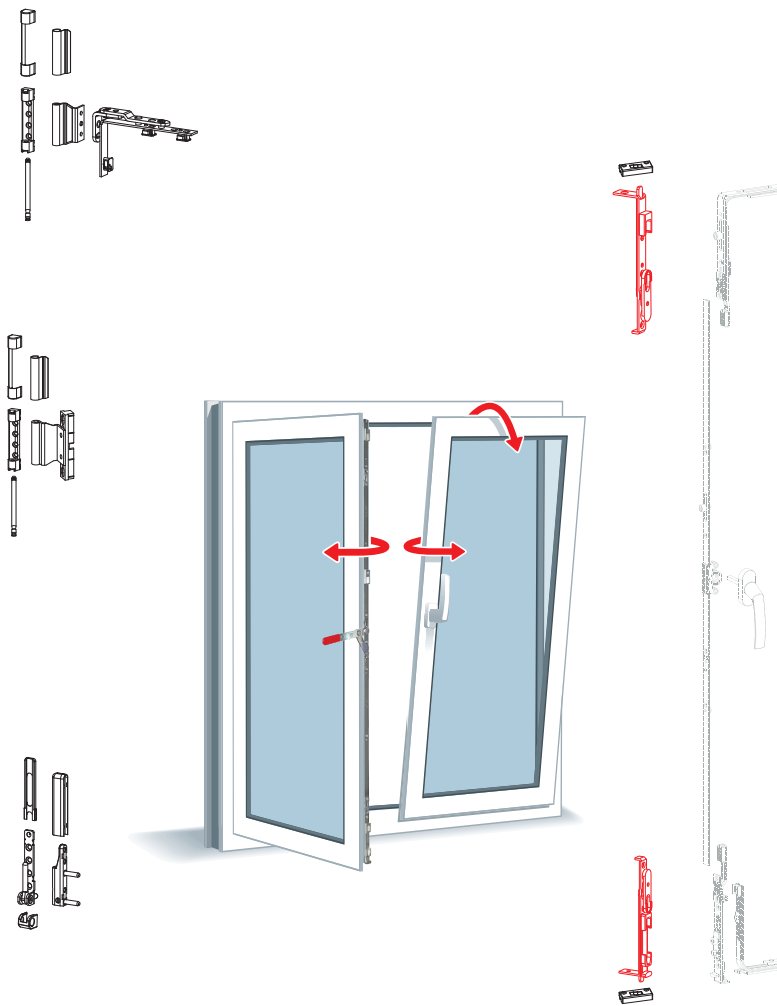
Range of use : Double Sash Systems
Axis : 9mm - 13mm

Hardware Description

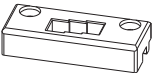
- **Assembling;**
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001
- **Coating;**
YelkenCoat gives longer durability and corrosion protection to the hardware.

 Order Details

Code	Description		
		Amount	Kg
189.400.011.000	9 Axis	10	1.61
189.410.011.000	13 Axis	10	1.61



Accessories



Sash Bolt Striker
9 Axis 186.240.001.000
13 Axis 186.250.001.000

Note: Technical detail sizes are millimetric.

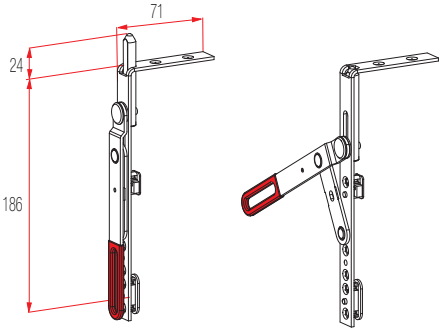
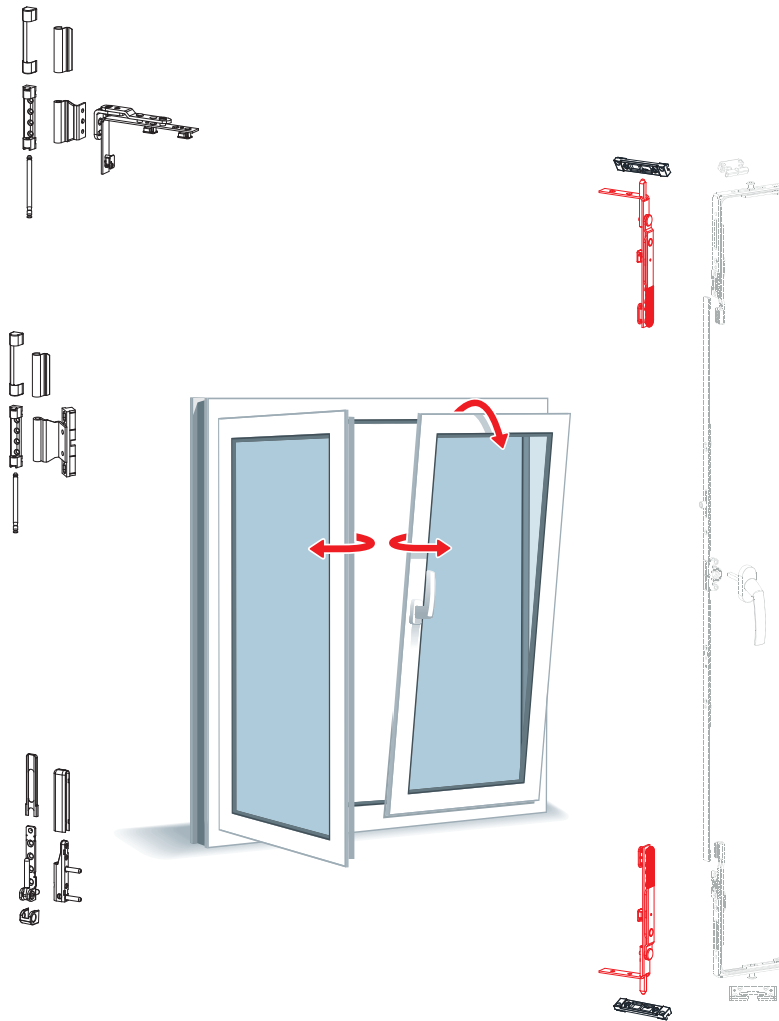
Fornax PvcMotion
Double Sash Hardware
Shoot Set 190

Hardware Technical Details

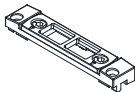
Range of use : Double Sash Systems
Axis : 9mm - 13mm

Hardware Description

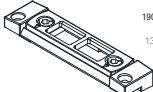
- **Assembling;**
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001
- **Coating;**
YelkenCoat gives longer durability and corrosion protection to the hardware.



Accessories



190mm Double Sash Bolt
9 Aks 189.164.001.000



190mm Double Sash Bolt Striker
13 Aks 189.164.002.000



190mm Double Sash Bolt Threshold Striker
189.164.003.000

Note: Technical detail sizes are millimetric.

Order Details

Code	Description	Amount	Kg
186.290.002.000	190 mm Double Sash Bolt	-	-

Fornax PvcMotion
Double Sash Hardware
Hinges Sets

Hardware Technical Details

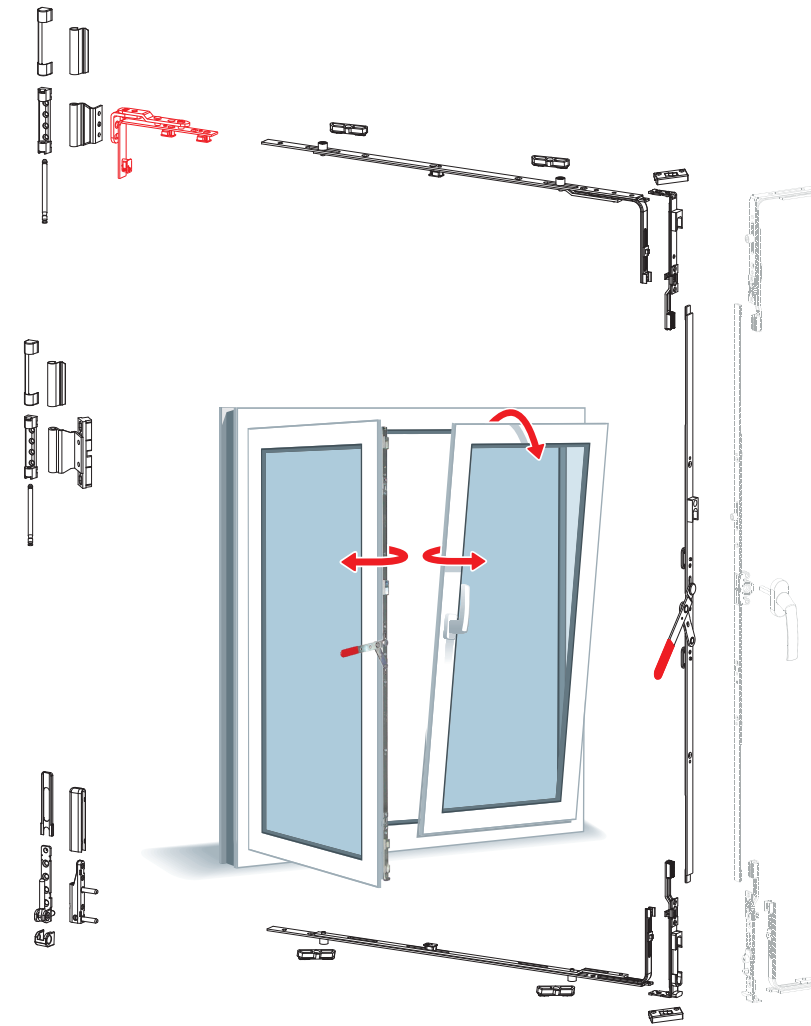
Range of use : Double Sash Systems /Turn Only
Axis : 9mm- 13mm

Hardware Description

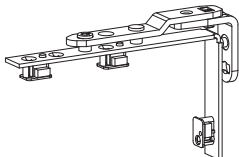
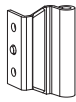
- **Assembling;**
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001
- **Coating;**
YelkenCoat gives longer durability and corrosion protection to the hardware.

Order Details

Code	Description	Amount	Kg
189.370.010.000	9 Axis Set	20	8.13
189.380.010.000	13 Axis Set	20	8.13



Content Sets

					
Top Hinge's Body 186.100.001.000	Stay Arm Hinge 9-20mm 186.052.001.000 10-20mm 186.053.001.000 13-20mm 186.082.001.000 14-22mm 186.083.001.000 13-22mm 186.084.001.000	Stay Arm Hinge Cover 189.220.000.000	Stay Arm Bearing Pin Ø6 486.120.001.000	Stay Arm Bearing Ø3 03.186.020.001.000 06.186.031.001.000	Stay Arm Bearing Cover 189.211.000.000
					
Bottom Hinge (Sash Part) 03.186.011.001.000 06.186.010.001.000	Bottom Hinge (Sash Part) Cover 189.240.000.000	Bottom Hinge (Frame Part) Top Cover 189.220.000.000	Bottom Hinge (Frame Part) 03.186.021.001.000 03.186.020.001.000	Bottom Hinge (Frame Part) Bottom Cover 189.230.000.000	

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



Note: Technical detail sizes are millimetric.

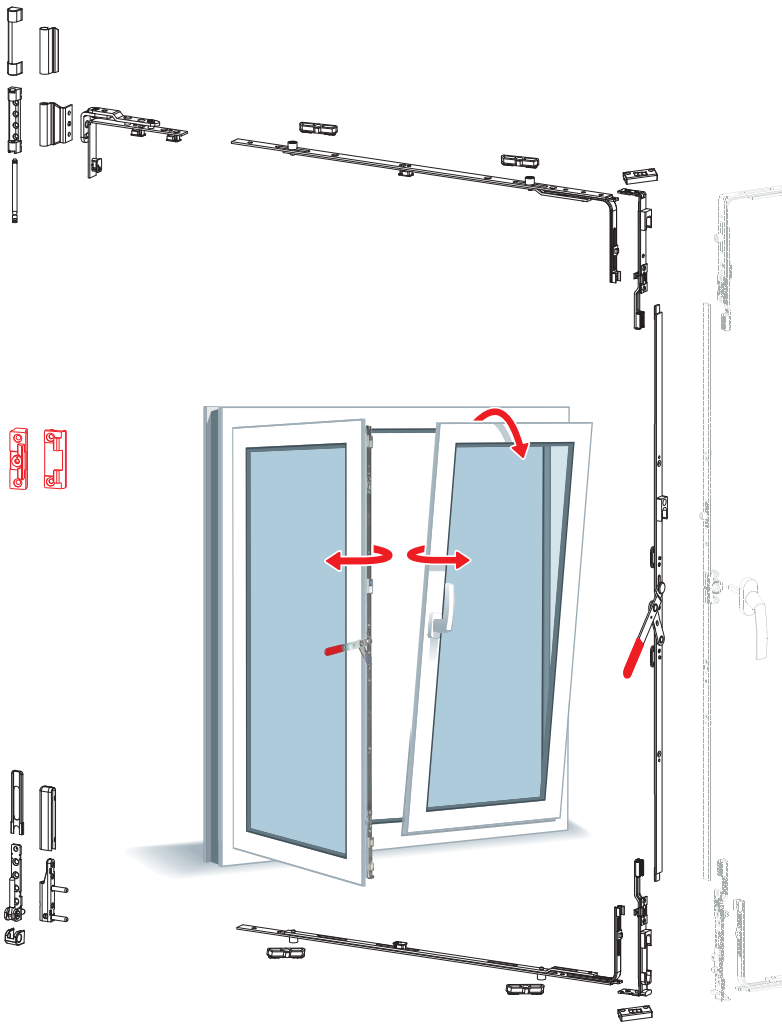
Fornax PvcMotion
Double Sash Hardware
Hidden Central Hinges

Hardware Technical Details

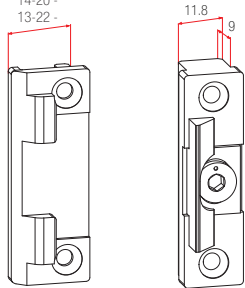
Range of use : Double Sash Systems /Turn Only

Hardware Description

- **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.



9-20 -11,8
10-20=
13-20 - 15,9
14-20 -
13-22 -



 Order Details

Code	Description		
		Amount	Kg
186.090.001.000	9-20 Axis Set	100	6.74
186.091.001.000	10-20Axis Set	100	6.74
186.130.001.000	13-20 Axis Set	100	6.74
186.131.001.000	14-20 Axis Set	100	6.74
186.132.001.000	13-22 Axis Set	100	6.74

Note: Technical detail sizes are millimetric..

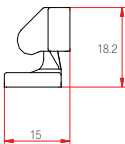
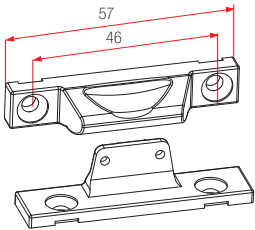
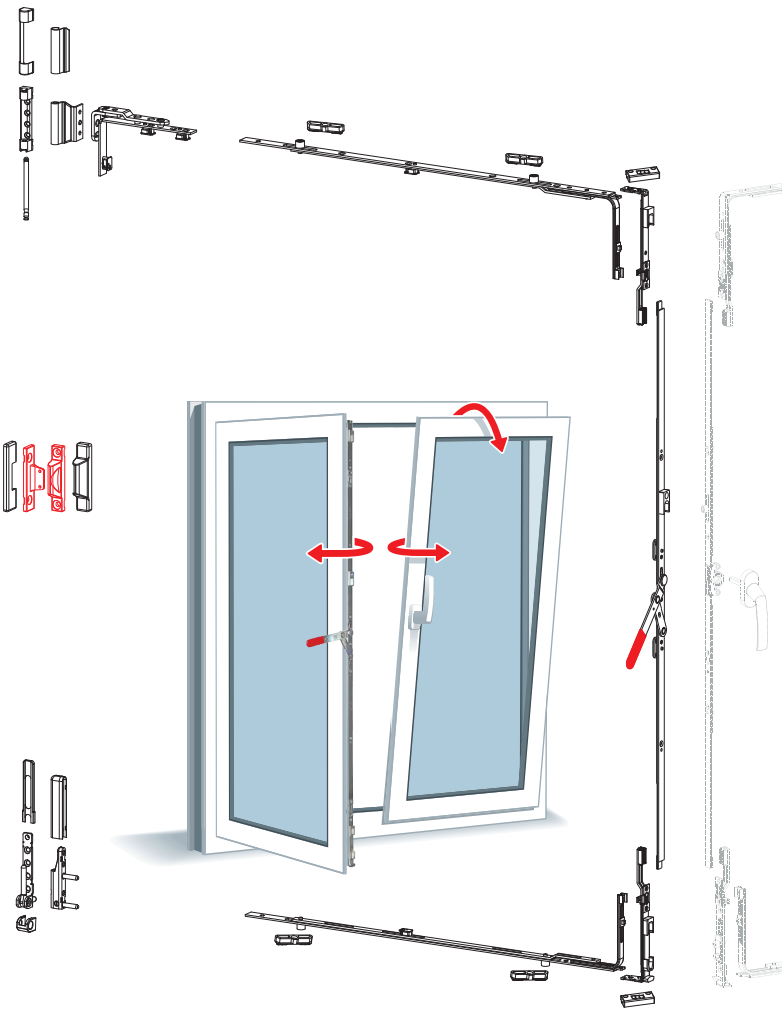
Fornax PvcMotion
Double Sash Hardware
Central Hinges Sets w/Cover

Hardware Technical Details

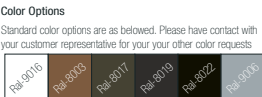
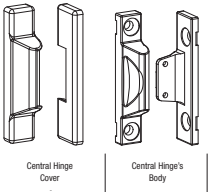
Range of use : Double Sash Systems / Turn Only

Hardware Description

- **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.



Content Sets



 Order Details

Code	Description	Amount	Kg
186.310.010.000	Central Hinge Set with Cover	100	3.51

Fornax PvcMotion
Double Sash Hardware
Pressure Hinge Sets

Hardware Technical Details

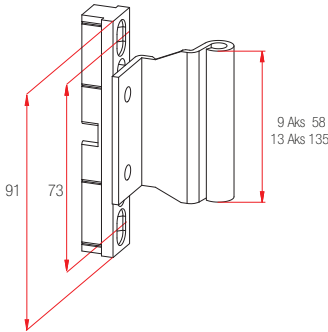
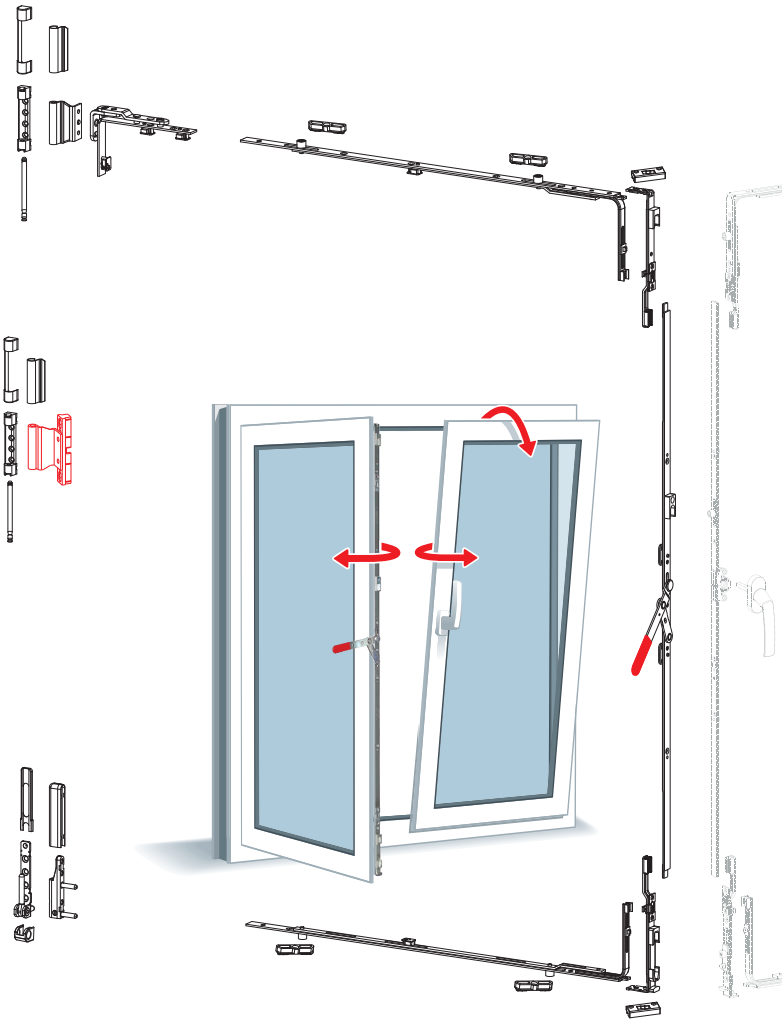
Usage Range : Double Sash Systems/ Turn Only

Hardware Description

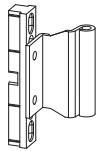
- **Assembling;**
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001
- **Coating;**
YelkenCoat gives longer durability and corrosion protection to the hardware.

 Order Details

Code	Description	Amount	Kg
186.140.010.000	9-20 Axis Set	20	4.27
186.150.010.000	13-20 Axis Set	20	4.27



Content Sets

				
Pressure Hinge's Body 9-20mm 186.200.001.000 13-20mm 186.210.001.000	Stay Arm Hinge Cover 189.220.000.000	Stay Arm Bearing Pin Ø6 486.120.001.000	Stay Arm Bearing Ø3 186.032.001.000 Ø6 186.031.001.000	Stay Arm Bearing Cover 189.211.000.000

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

Ral-9016	Ral-8013	Ral-8017	Ral-8019	Ral-8022	Ral-9006
----------	----------	----------	----------	----------	----------

Note: Technical detail sizes are millimetric.

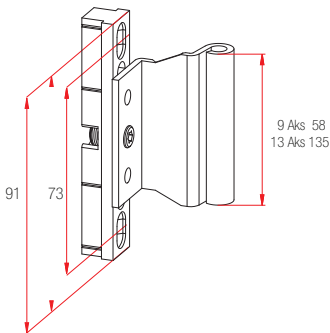
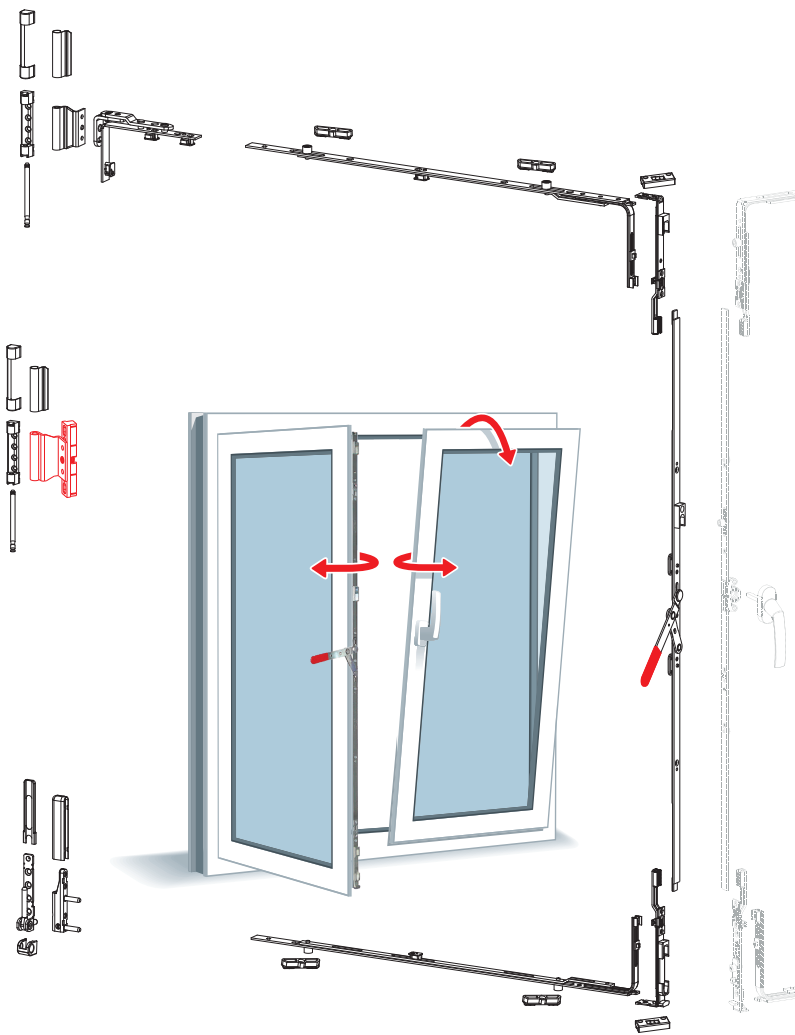
Fornax PvcMotion
Double Sash Hardware
Pressure Hinge w/Screw Sets

Hardware Technical Details

Usage Range : Double Sash Systems/Turn Only

Hardware Description

- **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

Code	Description		
		Amount	Kg
186.170.001.000	9-20 Axis Set	20	4.39
186.180.001.000	10-20 Axis Set	20	4.39
186.160.001.000	13-20 Axis Set	20	4.39
186.190.001.000	14-20 Axis Set	20	4.39
186.160.002.000	13-22 Axis Set	20	4.39

Content Sets

Color Options

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



 Pressure Hinge's Body (w/Screw) 9-20mm 186.220.001.000 10-20mm 186.230.002.000 13-20mm 186.230.001.000 14-20mm 186.230.003.000 13-22mm 186.230.004.000	 Stay Arm Hinge Cover 189.220.000.000	 Stay Arm Bearing Pin 486.120.001.000	 Stay Arm Bearing 03 186.032.001.000 06 186.031.001.000	 Stay Arm Bearing Cover 189.211.000.000
---	---	---	--	---

Note: Technical detail sizes are milimetric.

Fornax PvcMotion
Double Sash Hardware
Middle Hinge Eco Plate without Sets

Hardware Technical Details

Usage Range : Double Sash Systems/Turn Only

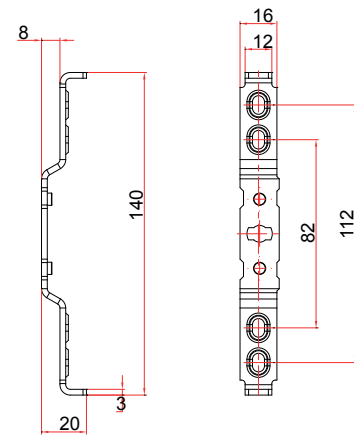
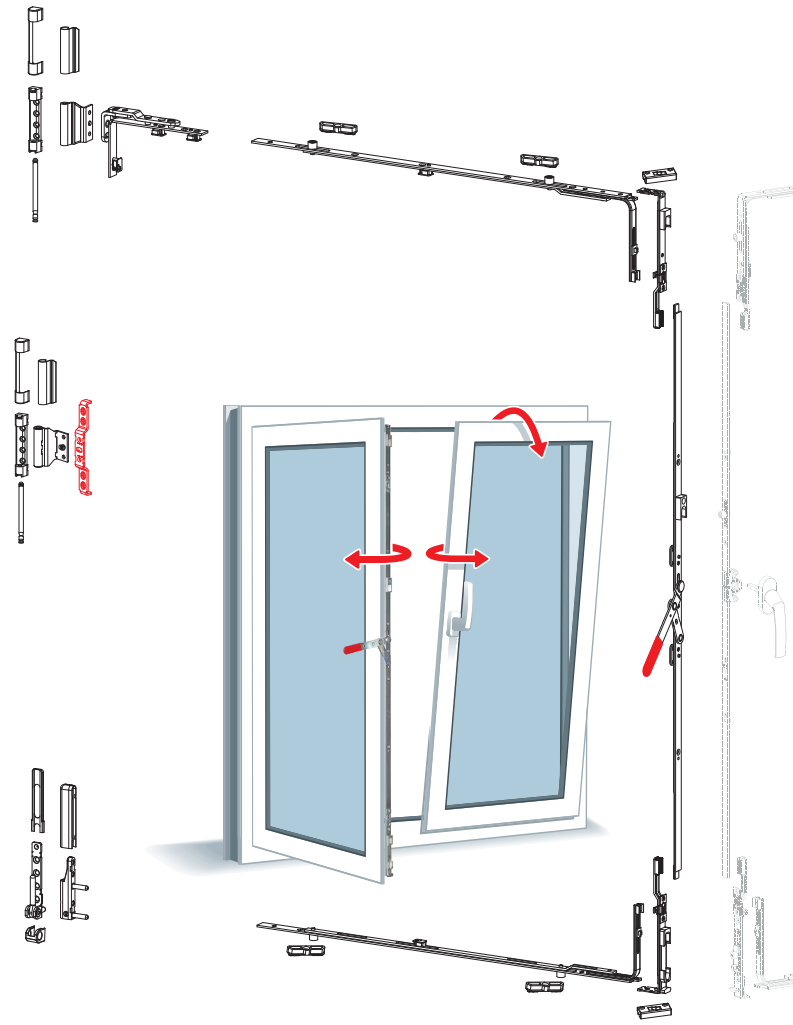
Hardware Description

■ 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.



Content Sets



Color Options

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



Middle Hinge Eco Plate
without Sets
186.320.001.000

Note: Technical detail sizes are millimetric.

Order Details

Kod	Açıklama	Amount	Kg
186.320.001.000	Middle Hinge Eco Plate	20	--

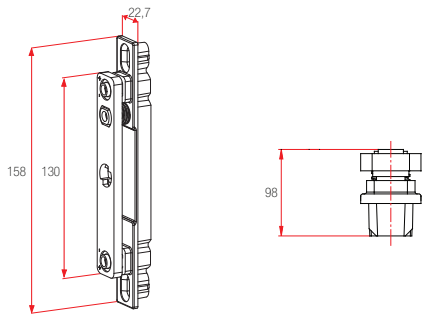
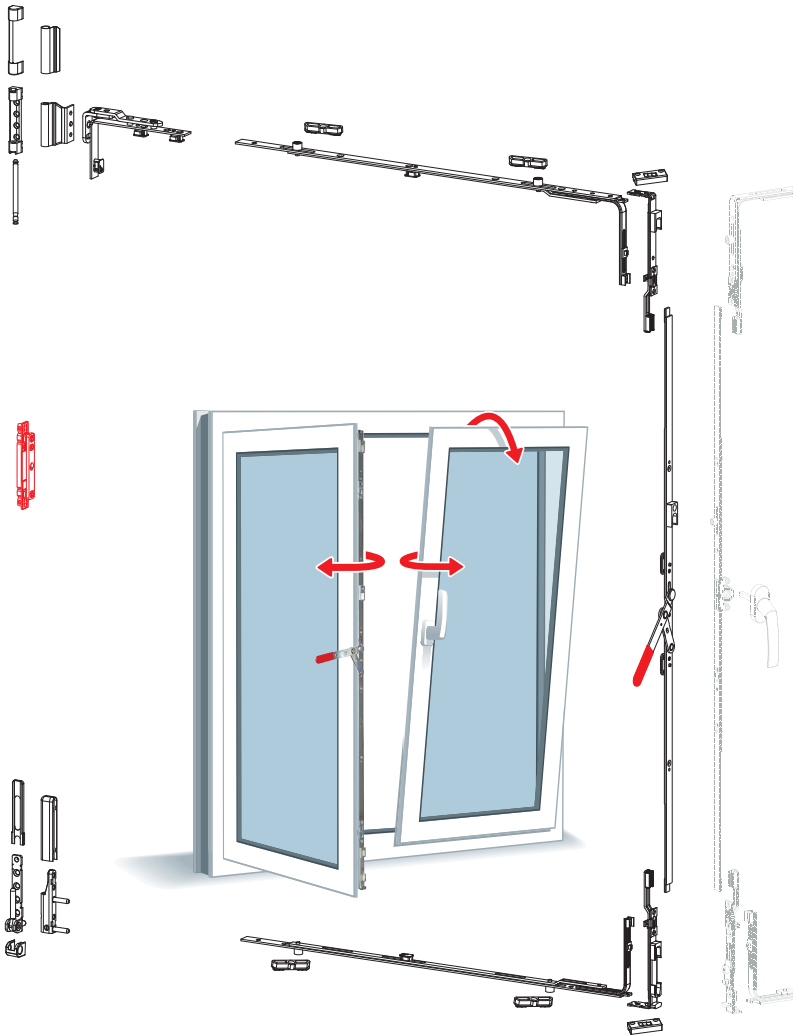
Fornax PvcMotion
Double Sash Hardware
Adjustable 3D Pressure Hinge Sets

Hardware Technical Details

Usage Range : Double Sash Systems/Turn Only

Hardware Description

- **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

Code	Description	Amount	Kg
186.300.001.000	Adjustable 3D Pressure Hinge	100	11.51

Fornax PvcMotion
Double Sash Hardware
Rebate Hinge

Hardware Technical Details

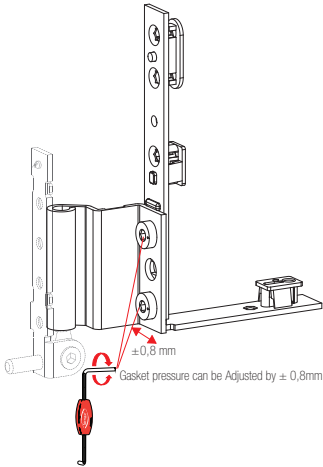
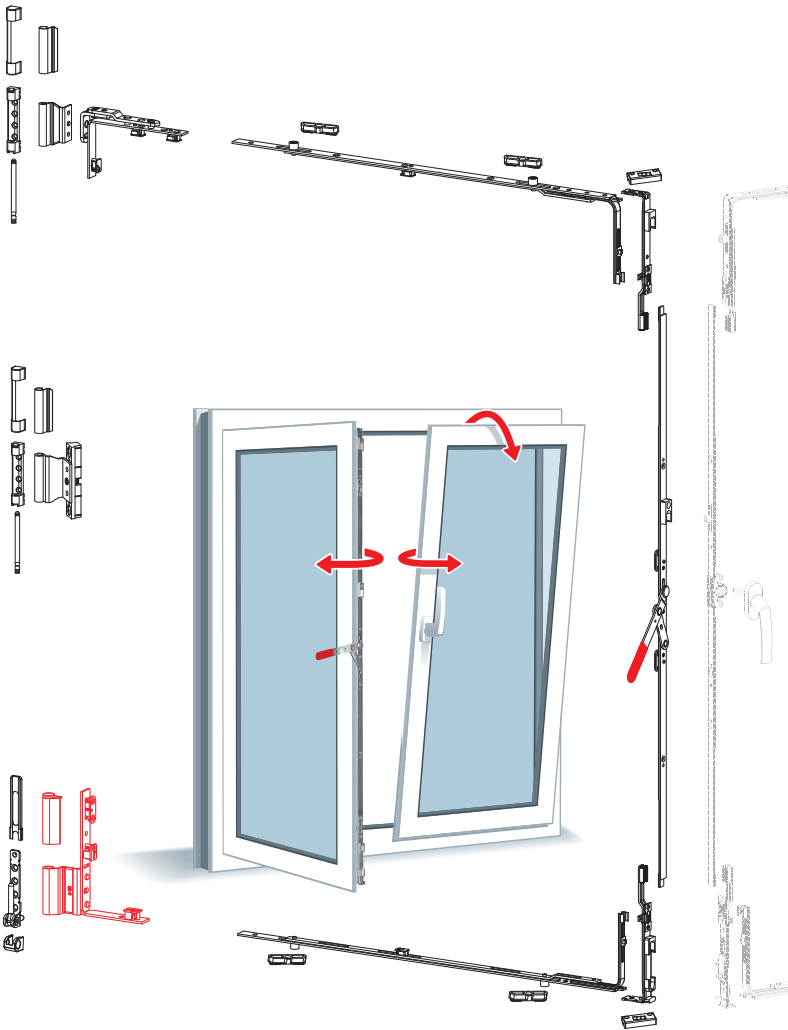
Usage Range : Double Sash Systems/Turn Only/Tit and Turn

Hardware Description

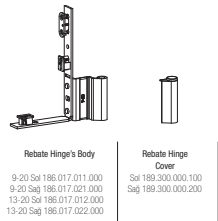
- **Assembling;**
It helps to easy the installation and save much time.
3,9x25 Rare serrated espagnolette screws code: 449.339.025.001
- **Coating;**
YelkenCoat gives longer durability and corrosion protection to the hardware.

 Order Details

Code	Description		
		Amount	Kg
186.018.011.000	9-20 L Set	20	-
186.018.021.000	9-20 R Set	20	-
186.019.011.000	13-20 L Set	20	-
186.019.021.000	13-20 R Set	20	-



Content Sets



Color Options

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

P4-9016	P4-8003	P4-8017	P4-8019	P4-8022	P4-9006
---------	---------	---------	---------	---------	---------

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

