



# Verano Line

Hardware solutions for construction projects in coastal areas





# VERANO

When it comes to building or renovating in coastal regions, the challenge goes beyond aesthetics. Hardware plays a crucial role in the durability and proper functioning of doors and windows. That is why the **Verano Line** was developed: to meet the specific needs of coastal environments, where corrosion is a constant enemy.

# Goodbye corrosion!

## The strength and durability your project deserves.

Our product line offers high resistance to corrosion, ensuring your doors and windows remain sturdy and functional for much longer.

Ordinary hardware simply can't stand up the aggressive coastal climate, but the **Verano Line** solutions not only meet but exceed the strict requirements of both local and international standards.

Compatible with a wide range of applications—from sliding windows, tilt-and-turn systems, doors, outward opening and even facades — the **Verano Line** is synonymous of versatility and performance.

Each piece is designed to provide superior protection against the severe effects of coastal air, ensuring long-lasting installations and reducing the need for frequent maintenance.

# VERANO





## AAC03 Ballistol

### Premium Anti-Rust Protective Oil

#### Benefits:

- Proven protection in salt spray test – Class 5 (DIN EN 1670)
- High resistance in coastal and high-humidity environments
- Easy application for preventive maintenance

#### Recommended Application:

- Use periodically on hardware to extend its durability and appearance.

#### Ballistol – Anti-Rust Protective Oil

| Descrição                            | Código | Volume      |
|--------------------------------------|--------|-------------|
| Ballistol – Anti-Rust Protective Oil | AAC03  | Spray 400ml |



# Summary

## Inline Sliding

|                    |    |
|--------------------|----|
| Locks              | 7  |
| Optional (handles) | 10 |
| Rollers            | 10 |
| Espagnolette       | 11 |
| Strikers           | 12 |
| Handles            | 13 |

## Aris Line

|         |    |
|---------|----|
| Locks   | 20 |
| Handles | 22 |

## Outward Opening and facades

|                |    |
|----------------|----|
| Locks          | 25 |
| Friction Stays | 27 |
| Handles        | 32 |

## Doors

|        |    |
|--------|----|
| Hinges | 35 |
|--------|----|



# Inline Sliding

Components for single-point and multi-point sliding frames



## INLINE SLIDING

Verano Line

Component list

### Standard - Single-point locking Handles / 160mm

For windows



#### Locks

| Description           | With visible screws | Without visible screws |
|-----------------------|---------------------|------------------------|
| Manual without key    | FEC16N              | FEC16S                 |
| Manual with key       | FEC19N              | FEC19S                 |
| Automatic without key | FEC37N              | FEC37S                 |
| Automatic with key    | FEC38N              | FEC38S                 |

**Note:** Hook not included. Must be ordered separately.

**Inline handle** (with visible screws) **CON04**

**Inline handle** (without visible screws) **CON04S**

**Stainless steel hook** (for 160mm locks) **LIN02N**

**Striker** (central) **CFE28**

**Note:** Sold separately (pack of 10 units).

**Striker** (side) **CFE29**

### Standard - Single-point locking Handles / 192mm

For doors



#### Locks

| Description           | With visible screws | Without visible screws |
|-----------------------|---------------------|------------------------|
| Manual without key    | FEC42N              | FEC42S                 |
| Manual with key       | FEC44N              | FEC44S                 |
| Automatic without key | FEC43N              | FEC43S                 |
| Automatic with key    | FEC45N              | FEC45S                 |

**Note:** Hook not included. Must be ordered separately.

**Inline handle** (with visible screws) **CON06**

**Inline handle** (without visible screws) **CON06S**

**Stainless steel hook** (for 192mm locks) **LIN03N**

**Striker** (central) **CFE28**

**Note:** Sold separately (pack of 10 units).

**Striker** (side) **CFE29**

## INLINE SLIDING

Verano Line

Component list

### Easy Touch - Single-point locking Handles / 160mm

For windows



With visible screws

Without visible screws



LIN20



CFE65



CFE66



BAC02

#### Locks - Easy Touch

| Description            | Material No. |
|------------------------|--------------|
| With visible screws    | FEC129       |
| Without visible screws | FEC129S      |

**Note:** Hook not included. Must be ordered separately.

**Inline Handle - Easy Touch** (with visible screws) **CON09**

**Inline Handle - Easy Touch** (without visible screws) **CON09S**

**Aluminum Hook** **LIN20**  
(for Easy Touch locks 160mm)

**Outside push buttons** (external) **BAC02**

**Striker** (side) **CFE65**

**Striker** (central) **CFE66**

### Easy Touch - Single-point locking Handles / 192mm

For doors



With visible screws



LIN20



CFE65



CFE66



BAC02

#### Locks - Easy Touch (with visible screws)

| Description                 | Material No. |
|-----------------------------|--------------|
| With key                    | FEC131       |
| Without key                 | FEC132       |
| With integrated push button | FEC133       |

**Note:** Hook not included. Must be ordered separately.

**Inline Handle - Easy Touch** (with visible screws) **CON13**

**Aluminum Hook** **LIN20**  
(for Easy Touch locks 192mm)

**Activation button** (external) **BAC02**

**Striker** (side) **CFE65**

**Striker** (central) **CFE66**



**INLINE SLIDING**

Verano Line  
 Component list

**Standard - Single-point locking Handles / 160mm**

Fo windows



**Locks**

| Description           | With visible screws | Without visible screws |
|-----------------------|---------------------|------------------------|
| Manual without key    | FEC93               | FEC16S                 |
| Manual with key       | FEC94               | FEC19S                 |
| Automatic without key | FEC125              | FEC37S                 |
| Automatic with key    | FEC126              | FEC38S                 |

|                                             |         |
|---------------------------------------------|---------|
| Inline handle (with visible screws)         | CON04   |
| Inline handle (without visible screws)      | CON04S  |
| Stainless steel hook (for 160mm locks)      | LIN07N* |
| *Note: Sold separately (pack of 10 pieces). |         |
| Striker (side/central)                      | CFE42N  |

**DUO - Single-point locking Handles / 190mm**

For windows



**Lokcs Duo (without visible screws)**

| Descrição   | Material Nº |
|-------------|-------------|
| Without key | FEC121N     |
| With key    | FEC122N     |

Note: Hook not included. Must be ordered separately.

|                                            |        |
|--------------------------------------------|--------|
| Inline Handle Duo (without visible screws) | CON11N |
| Stainless Steel hook (for Duo locks 190mm) | LIN27  |
| Activation button (external)               | BAC02  |
| Striker (central)                          | CFE28  |
| Striker (side)                             | CFE29  |

**Coatings**

|       |       |        |                 |                 |       |                |
|-------|-------|--------|-----------------|-----------------|-------|----------------|
| 021   | 022   | 074    | 030             | 038             | 019   | 067            |
| White | Black | Silver | Grey<br>RAL7024 | Grey<br>RAL9007 | Brown | Special Colors |

**Optional**

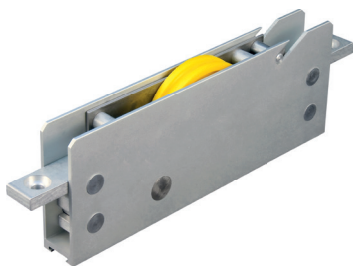


**Handles**

| Description | Material No. |
|-------------|--------------|
| 168mm       | PUX11N*      |
| 200mm       | PUX12N*      |
| 250mm       | PUX14N       |

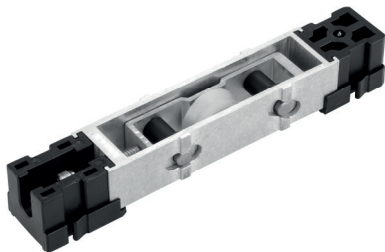
\*Note: Compatible with 160 and 192 mm Locks and Inline handles.

**Rollers - Single**



**Strong Single Roller**

| Description                        | Máx. Sash Weight | Material No. |
|------------------------------------|------------------|--------------|
| With bearing and adjustable height | 130kg            | ROL80N       |



**Strong Fit Single Roller**

| Description                        | Máx. Sash Weight | Material No. |
|------------------------------------|------------------|--------------|
| With bearing and adjustable height | 150kg            | ROL129N      |

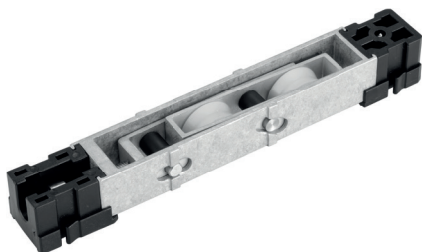
Note: No profile drilling required.

**Rollers - Tandem**



**Strong Tandem Roller**

| Description                        | Máx. Sash Weight | Material No. |
|------------------------------------|------------------|--------------|
| With bearing and adjustable height | 260kg            | ROL81N       |



**Strong Fit Tandem Roller**

| Description                        | Máx. Sash Weight | Material No. |
|------------------------------------|------------------|--------------|
| With bearing and adjustable height | 300kg            | ROL128N      |

Note: No profile drilling required.

**Espagnolette - Backset 17mm**

**With Cylinder Input**

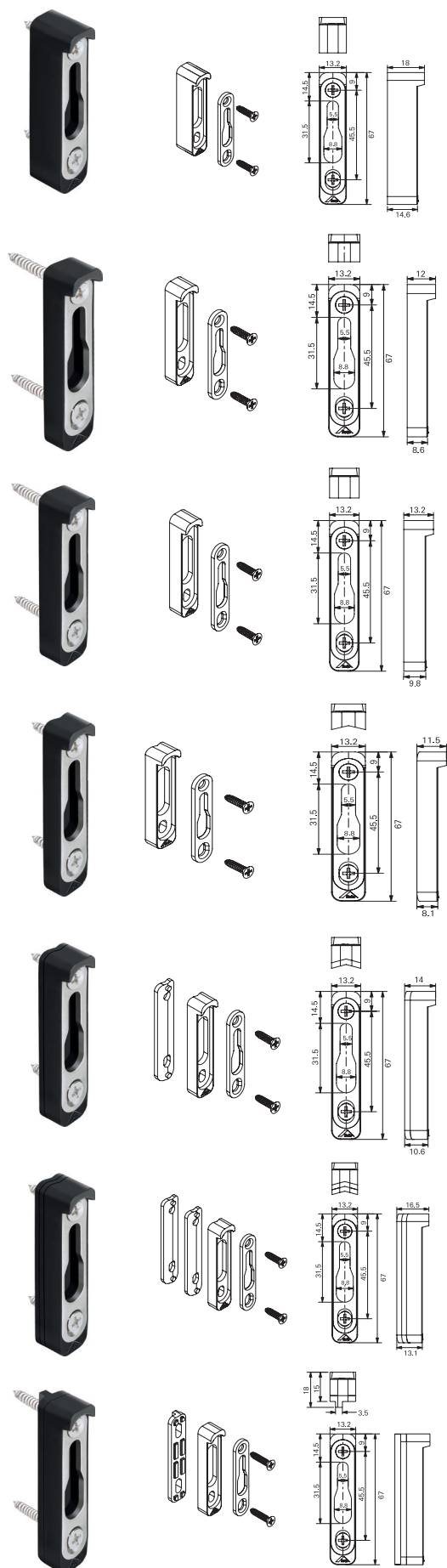
| Size   | Strikers | Material No. |
|--------|----------|--------------|
| 400mm  | 2        | 774282       |
| 600mm  | 2        | 774283       |
| 1000mm | 3        | 774285       |
| 1800mm | 4        | 774287       |

**Without Cylinder Input**

| Size   | Strikers | Material No. |
|--------|----------|--------------|
| 1800mm | 4        | 2034432      |



**Strikers - SS-304 stainless steel - polyamide base**



| Coat colour | Material No. |
|-------------|--------------|
| Black       | 2040175      |
| White       | 2040267      |

| Coat colour | Material No. |
|-------------|--------------|
| Black       | 2040268      |
| White       | 2040594      |

| Coat colour | Material No. |
|-------------|--------------|
| Black       | 2040295      |
| White       | 2040296      |

| Coat colour | Material No. |
|-------------|--------------|
| Black       | 2040297      |
| White       | 2040298      |

| Coat colour | Material No. |
|-------------|--------------|
| Black       | 2040299      |
| White       | 2040300      |

| Coat colour | Material No. |
|-------------|--------------|
| Black       | 2040301      |
| White       | 2040302      |

| Coat colour | Material No. |
|-------------|--------------|
| Black       | 2040303      |
| White       | 2040304      |

## Roto Line Handles



### Standard - 114mm

| Spindle length | Coat colour               | Material No. |
|----------------|---------------------------|--------------|
| 24mm           | Black                     | 788812P022   |
| 24mm           | White (ALU)               | 800294P021   |
| 24mm           | Silver                    | 262466P074   |
| 24mm           | White (PVC)               | 490545P061   |
| 24mm           | Special Colors White Base | 800294P067   |
| 24mm           | Special Colors Grey Base  | 262466P067   |
| 24mm           | Special Colors Brown Base | 858982P067   |
| 24mm           | Special Color Black Base  | 788812P067   |
| 30mm           | Black                     | 788814P022   |
| 30mm           | White (ALU)               | 800388P021   |
| 30mm           | Silver                    | 227897P074   |
| 30mm           | Titanium                  | 339532       |
| 30mm           | White (PVC)               | 228176P061   |
| 30mm           | Special Colors White Base | 800388P067   |
| 30mm           | Special Colors Grey Base  | 227897P067   |
| 30mm           | Special Colors Brown Base | 482542P067   |
| 30mm           | Special Color Black Base  | 788814P067   |
| 35mm           | Black                     | 227793P022   |
| 35mm           | White (ALU)               | 800390P021   |
| 35mm           | Silver                    | 280398P074   |
| 35mm           | Titanium                  | 255369       |
| 35mm           | White (PVC)               | 256756P061   |
| 35mm           | Special Colors White Base | 800390P067   |
| 35mm           | Special Colors Grey Base  | 280398P067   |
| 35mm           | Special Colors Brown Base | 256230P067   |
| 35mm           | Special Color Black Base  | 227793P067   |
| 40mm           | Black                     | 794254       |
| 40mm           | White (ALU)               | 623133       |
| 40mm           | Silver                    | 623132       |



### Lockable

| Spindle length | Coat colour | Material No. |
|----------------|-------------|--------------|
| 30mm           | Black       | 794358       |
| 30mm           | White       | 738966       |
| 30mm           | Titanium    | 228035       |
| 30mm           | White (PVC) | 227868       |
| 35mm           | White       | 228043       |
| 35mm           | Silver      | 280399       |
| 35mm           | Titanium    | 228040       |

## Roto Line Handles



### Handle set with escutcheons

| Spindle length | Coat colour | Material No. |
|----------------|-------------|--------------|
| 100mm          | Black       | 794348       |
| 100mm          | White       | 228237       |
| 100mm          | Titanium    | 228333       |

## Cylinders for Roto Line door handles with escutcheon



### Cylinder

| Size    | Material No. |
|---------|--------------|
| 31x31mm | 640068       |
| 31x35mm | 632589       |
| 31x40mm | 640074       |
| 31x45mm | 640069       |
| 31x55mm | 642659       |
| 31x60mm | 640080       |
| 35x35mm | 640071       |
| 35x40mm | 640072       |
| 35x45mm | 640073       |
| 40x40mm | 632590       |
| 40x45mm | 632591       |
| 45x45mm | 632594       |
| 45x50mm | 632605       |
| 50x50mm | 640078       |



## Roto Line Handles



### Flat Handle

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| Silver      | 35mm           | 336112       |
| Titanium    | 35mm           | 485766       |
| Black       | 35mm           | 794355       |
| White       | 35mm           | 336110       |
| Silver      | 55mm           | 490560       |
| Black       | 55mm           | 2022006      |
| White       | 55mm           | 490562       |

## Roto Line Handles



### Cranked

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| Black       | -              | 570510       |
| Black       | -              | 570511       |
| White       | 43mm           | 375320       |
| White       | 43mm           | 375816       |

## Roto Line Handles



### Standard - 160mm

| Coat colour   | Spindle length | Material No. |
|---------------|----------------|--------------|
| Branco        | 30mm           | 772358       |
| Titan         | 35mm           | 288728       |
| Prata         | 35mm           | 211598       |
| Preto         | 35mm           | 794352       |
| Special color | 35mm           | 774938P067   |

## INLINE SLIDING

Verano Line  
Component list



### Roto Samba handles



#### Standard

| Colour | Spindle length | Material No. |
|--------|----------------|--------------|
| White  | 24mm           | 837362       |
| Black  | 24mm           | 837361       |

### Patio Lift Handles



#### Standard

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| Black       | 40mm           | 635145       |
| White       | 40mm           | 643640       |
| White (PVC) | 40mm           | 635144       |
| Titanium    | 40mm           | 643638       |
| Silver      | 40mm           | 635146       |

## Patio Lift Handles



### Standard - With cylinder entry

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| Black       | -              | 635135       |
| White       | -              | 640743       |
| White (PVC) | -              | 635134       |
| Silver      | -              | 635136       |

## Pop-up Handles



### Pop-up Standard

| Coat colour     | Spindle length | Material No. |
|-----------------|----------------|--------------|
| Black           | 21,5mm         | 637960P022   |
| White (PVC)     | 21,5mm         | 637961P061   |
| White (ALU)     | 21,5mm         | 643675P021   |
| Special Color   | 21,5mm         | 637962P067   |
| Black           | 26,5mm         | 614295P022   |
| White           | 26,5mm         | 570810P061   |
| Titanium        | 26,5mm         | 891310       |
| Special Color   | 26,5mm         | 637965P067   |
| Black           | 26mm           | 493898       |
| White           | 26mm           | 323275       |
| Stainless Steel | 26mm           | 323280       |
| Brown           | 26mm           | 323277       |

## Pop-up Handles



### Lockable

| Coat colour     | Spindle length | Material No. |
|-----------------|----------------|--------------|
| White           | 26mm           | 323282       |
| Stainless Steel | 26mm           | 323287       |



### Retractable Handle

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| Silver      | 20mm           | 489867       |

## Roto Sea Handle



### Standard

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| Black       | 24mm           | 2042394P022  |
| White (ALU) | 24mm           | 2042423P021  |
| White PVC   | 24mm           | 2042422P061  |
| Silver      | 24mm           | 2042425P074  |
| Brown       | 24mm           | 2042424P019  |
| Black       | 30mm           | 2042426P022  |
| White (ALU) | 30mm           | 2042428P021  |
| White PVC   | 30mm           | 2042427P061  |
| Silver      | 30mm           | 2042430P074  |
| Brown       | 30mm           | 2042429P019  |
| White (ALU) | 35mm           | 2042431P022  |
| White PVC   | 35mm           | 2042433P021  |
| Silver      | 35mm           | 2042432P061  |
| Brown       | 35mm           | 2042435P074  |
| Marrom      | 35mm           | 2042434P019  |





# Aris Line

Components with a straight-line design

**INLINE SLIDING - ARIS**

Verano Line  
Component list

**Standard - Single-point locking Handles / 160mm**

For windows



**Locks**

| Description           | With visible screws | Without visible screws |
|-----------------------|---------------------|------------------------|
| Manual without key    | FEC149              | FEC160                 |
| Manual with key       | FEC152              | FEC158                 |
| Automatic without key | FEC150              | FEC161                 |
| Automatic with key    | FEC151              | FEC159                 |

**Note:** Hook not included. Must be ordered separately.

**Inline handle** (with visible screws) **CON14**

**Inline handle** (without visible screws) **CON16**

**Standard - Single-point locking Handles / 192mm**

For doors



**Locks**

| Description           | With visible screws | Without visible screws |
|-----------------------|---------------------|------------------------|
| Manual without key    | FEC153              | FEC165                 |
| Manual with key       | FEC156              | FEC162                 |
| Automatic without key | FEC154 / FEC155     | FEC164 / FEC166        |
| Automatic with key    | FEC157              | FEC163                 |

**Note:** Hook not included. Must be ordered separately.

**Inline handle** (with visible screws) **CON15**

**Inline handle** (without visible screws) **CON17**

**Single-point lockings / Handles Easy Touch / 160mm**

For windows



**Locks**

| Description            | Material No.    |
|------------------------|-----------------|
| With visible screws    | FEC167 / FEC168 |
| Without visible screws | FEC169 / FEC170 |

**Note:** Hook and strikers not included. Must be ordered separately.

**Inline handle** (with visible screws) **CON18**

**Inline handle** (without visible screws) **CON19**

**Outside push buttons** (external) **BAC02**

**INLINE SLIDING - ARIS**

Verano Line  
 Component list

**Single-point lockings / Handles Easy Touch / 192mm**

For doors



**Locks** (with visible screws)

| Description                 | Material No.    |
|-----------------------------|-----------------|
| Lockble                     | FEC173 / FEC174 |
| Standard                    | FEC175 / FEC176 |
| With integrated push button | FEC177          |

Note: Hook and strikers not included. Must be ordered separately.

|                                            |              |
|--------------------------------------------|--------------|
| <b>Inline handle</b> (with visible screws) | <b>CON21</b> |
|--------------------------------------------|--------------|

|                                        |              |
|----------------------------------------|--------------|
| <b>Outside push buttons</b> (external) | <b>BAC02</b> |
|----------------------------------------|--------------|

**DUO - Single-point locking Handles / 190mm**

For doors and windows



**Lokcs Duo** (without visible screws)

| Description | Material No. |
|-------------|--------------|
| Standard    | FEC172       |
| Lockable    | FEC171       |

Note: Hook and strikers not included. Must be ordered separately.

|                                                   |              |
|---------------------------------------------------|--------------|
| <b>Inline Handle Duo</b> (without visible screws) | <b>CON20</b> |
|---------------------------------------------------|--------------|

Coatings



## INLINE SLIDING - ARIS

Verano Line

Component list

### Roto Aris Handles



#### Standard - 120mm

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| White (ALU) | 24mm           | 2034517P     |
| White (PVC) | 24mm           | 2034515P     |
| Brown       | 24mm           | 2034518P     |
| Silver      | 24mm           | 2034524P     |
| Black       | 24mm           | 2034514P     |
| White (ALU) | 30mm           | 2034527P     |
| White (PVC) | 30mm           | 2034526P     |
| Brown       | 30mm           | 2034528P     |
| Silver      | 30mm           | 2034529P     |
| Black       | 30mm           | 2034525P     |
| White (ALU) | 35mm           | 2034532P     |
| White (PVC) | 35mm           | 2034531P     |
| Brown       | 35mm           | 2034533P     |
| Silver      | 35mm           | 2034534P     |
| Black       | 35mm           | 2034530P     |

### Roto Aris Handles



#### Standard (wide cable) - 150mm

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| White (ALU) | 24mm           | 2034537P     |
| White (PVC) | 24mm           | 2034536P     |
| Brown       | 24mm           | 2034539P     |
| Silver      | 24mm           | 2034538P     |
| Black       | 24mm           | 2034535P     |
| White (ALU) | 30mm           | 2034542P     |
| White (PVC) | 30mm           | 2034541P     |
| Brown       | 30mm           | 2034544P     |
| Silver      | 30mm           | 2034540P     |
| Black       | 30mm           | 2034543P     |
| White (ALU) | 35mm           | 2034547P     |
| White (PVC) | 35mm           | 2034546P     |
| Brown       | 35mm           | 2034549P     |
| Silver      | 35mm           | 2034545P     |
| Black       | 35mm           | 2034548P     |

**INLINE SLIDING - ARIS**

Verano Line  
Component list

**Roto Aris Handles**



**Standard Handle set with escutcheons**

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| Black       | 150mm          | 2034550P     |
| White (ALU) | 150mm          | 2034551P     |
| White (PVC) | 150mm          | 2034552P     |
| Silver      | 150mm          | 2034553P     |
| Brown       | 150mm          | 2034554P     |

**Maçaneta Roto Aris com Roseta - Cabo Longo 150mm**



**Handle set with escutcheons (wide cable)**

| Coat colour | Spindle length | Material No. |
|-------------|----------------|--------------|
| Black       | 150mm          | 2034555P     |
| White (ALU) | 150mm          | 2034556P     |
| White (PVC) | 150mm          | 2034557P     |
| Silver      | 150mm          | 2034558P     |
| Brown       | 150mm          | 2034559P     |

**Coatings**

|             |             |       |        |              |              |       |                |
|-------------|-------------|-------|--------|--------------|--------------|-------|----------------|
| 021         | 061         | 022   | 074    | 030          | 038          | 019   | 067            |
| White (ALU) | White (PVC) | Black | Silver | Grey RAL7024 | Grey RAL9007 | Brown | Special Colors |





# Outward opening | Facade

Single and multi-point locking

**OO Handle - Front**



**Front fixing**

| Description                      | Side       | Material No. |
|----------------------------------|------------|--------------|
| Standard (without key) - 111,5mm | Right/Left | FMA98        |
| Standard (without key) - 111,5mm | Right/Left | FMA127       |

Note: With Armoni cable options.



**Overlap**

| Description      | Side       | Material No. |
|------------------|------------|--------------|
| Lockable - 117mm | Right/Left | FMA99        |
| Lockable - 117mm | Right/Left | FMA128       |

Note: With Armoni cable options.



**Front fixing**

| Description      | Side       | Material No. |
|------------------|------------|--------------|
| Lockable - 140mm | Right/Left | FMA129       |



**Front fixing**

| Description                      | Side       | Material No. |
|----------------------------------|------------|--------------|
| Standard (without key) - 111,5mm | Right/Left | FMA70        |
| Standard (without key) - 111,5mm | Right/Left | FMA78        |
| Standard (without key) - 111,5mm | Right/Left | FMA142       |

Note: With Armoni cable options.



**Front fixing**

| Description                    | Side       | Material No. |
|--------------------------------|------------|--------------|
| Standard (without key) - 117mm | Right/Left | FMA02        |
| Standard (without key) - 117mm | Right/Left | FMA188       |

Note: With Armoni cable options.



**Front fixing**

| Description      | Side       | Material No. |
|------------------|------------|--------------|
| Lockable - 117mm | Right/Left | FMA166N      |
| Lockable - 140mm | Right/Left | FMA80        |

## OO Handle - Front



### Front fixing

| Description                      | Side       | Material No. |
|----------------------------------|------------|--------------|
| Standard (without key) - 95mm    | Right/Left | FMA63        |
| Standard (without key) - 111,5mm | Right/Left | FMA36*       |

Note: With Armoni cable options.



| Description                      | Side       | Material No. |
|----------------------------------|------------|--------------|
| Standard (without key) - 111,5mm | Right/Left | FMA71        |

Note: With Armoni cable options.



| Description                      | Side       | Material No. |
|----------------------------------|------------|--------------|
| Standard (without key) - 111,5mm | Right/Left | FMA131       |

Note: With Armoni cable options.



| Description                      | Side       | Material No. |
|----------------------------------|------------|--------------|
| Standard (without key) - 111,5mm | Right/Left | FMA70        |
| Standard (without key) - 111,5mm | Right/Left | FMA78        |

Note: With Armoni cable options.



| Description                   | Side       | Material No. |
|-------------------------------|------------|--------------|
| Standard (without key) - 95mm | Right/Left | FMA83        |



| Description                    | Side       | Material No. |
|--------------------------------|------------|--------------|
| Standard (without key) - 117mm | Right/Left | FMA02        |

Note: With Armoni cable options.



| Description                    | Side       | Material No. |
|--------------------------------|------------|--------------|
| Standard (without key) - 140mm | Right/Left | FMA80N       |

Friction Stays



Progressive Systems

| Stay Length | Sash Weight | Material No. |
|-------------|-------------|--------------|
| 345mm       | 22kg        | SRG01        |
| 600mm       | 30kg        | SRG02*       |
| 951mm       | 36kg        | SRG03*       |

\*Note: Opening restrictor available.



Progressive Systems

| Stay Length | Sash Weight | Material No. |
|-------------|-------------|--------------|
| 222mm       | 6kg         | STG01        |

Optional



Opening restrictor

BRL04

Coatings

|       |       |       |        |                 |                 |
|-------|-------|-------|--------|-----------------|-----------------|
| 021   | 022   | 019   | 074    | 030             | 038             |
| White | Black | Brown | Silver | Grey<br>RAL7024 | Grey<br>RAL9007 |



## Friction Stays and opening restrictors | Euro groove



### Friction Stays for Euro groove

| Material No. | Sash Weight | Colour coatings |
|--------------|-------------|-----------------|
| 2041229      | 333mm       | Black           |
| 2041231      | 644mm       | Black           |
| 2041233      | 644mm       | Black           |
| 2041330      | 333mm       | White           |
| 2041232      | 644mm       | White           |
| 2041234      | 644mm       | White           |

### Sash

| Material No. | Minimum Height | Maximum height | Maximum Width | Minimum Width |
|--------------|----------------|----------------|---------------|---------------|
| 2041229      | 340mm          | 650mm          | 1200mm        | 22kg          |
| 2041231      | 650mm          | 1200mm         | 1200mm        | 45kg          |
| 2041233      | 901mm          | 1200mm         | 1200mm        | 45kg          |
| 2041330      | 340mm          | 650mm          | 1200mm        | 22kg          |
| 2041232      | 650mm          | 1200mm         | 1200mm        | 45kg          |
| 2041234      | 901mm          | 1200mm         | 1200mm        | 45kg          |

**Note:** Mandatory use of the opening restrictor 2041233 (black) or 2041234 (white) on sashes with a height between 901 and 1200 mm. For other dimensions, consult the technical department.



## Friction Stays



### Projecting Systems

#### SPM 01/02/03 - 16,2mm

| Size  | Opening Angle | Maximum Height | Maximum Width | Maximum Load Capacity | Material No. |
|-------|---------------|----------------|---------------|-----------------------|--------------|
| 290mm | 15°           | 500mm          | 1200mm        | 32kg                  | SPM01        |
| 450mm | 15°           | 800mm          | 1500mm        | 42kg                  | SPM02        |
| 695mm | 15°           | 1800mm         | 1500mm        | 100kg                 | SPM03        |

#### SPM 04/05/06 - 15,2mm

| Size  | Opening Angle | Maximum Height | Maximum Width | Maximum Load Capacity | Material No. |
|-------|---------------|----------------|---------------|-----------------------|--------------|
| 290mm | 15°           | 500mm          | 1000mm        | 20kg                  | SPM04        |
| 450mm | 15°           | 800mm          | 1200mm        | 32kg                  | SPM05        |
| 695mm | 15°           | 1500mm         | 1500mm        | 60kg                  | SPM06        |



#### STR 04/05/06 - 16,5mm

| Size  | Opening Angle | Maximum Height | Maximum Width | Maximum Load Capacity | Material No. |
|-------|---------------|----------------|---------------|-----------------------|--------------|
| 400mm | 45°           | 600mm          | 1200mm        | 24kg                  | STR04        |
| 600mm | 45°           | 1000mm         | 1200mm        | 30kg                  | STR05        |
| 950mm | 45°           | 1200mm         | 1200mm        | 34kg                  | STR06        |

**Note:** Not suitable for installations with Overlap systems.



### Projecting Sliding Systems

#### SRQ 01/02/03 - 14,5m

| Size  | Opening Angle | Maximum Height | Maximum Width | Maximum Load Capacity | Material No. |
|-------|---------------|----------------|---------------|-----------------------|--------------|
| 400mm | 90°           | 600mm          | 1200mm        | 24kg                  | SRQ01        |
| 600mm | 90°           | 1000mm         | 1200mm        | 30kg                  | SRQ02        |
| 950mm | 90°           | 1200mm         | 1200mm        | 34kg                  | SRQ03        |

#### SRQ 10/11/12 - 16,5mm

| Size  | Opening Angle | Maximum Height | Maximum Width | Maximum Load Capacity | Material No. |
|-------|---------------|----------------|---------------|-----------------------|--------------|
| 400mm | 90°           | 600mm          | 1200mm        | 24kg                  | SRQ10        |
| 600mm | 90°           | 1000mm         | 1200mm        | 30kg                  | SRQ11        |
| 950mm | 90°           | 1200mm         | 1200mm        | 34kg                  | SRQ12        |

### Coatings

|            |            |            |            |                 |                 |                |
|------------|------------|------------|------------|-----------------|-----------------|----------------|
| <b>021</b> | <b>022</b> | <b>019</b> | <b>074</b> | <b>030</b>      | <b>038</b>      | <b>067</b>     |
| White      | Black      | Brown      | Silver     | Grey<br>RAL7024 | Grey<br>RAL9007 | Special Colors |

**Friction Stays**



**Projecting Systems**

**SRP 01/02/03/04 - 16,5mm**

| Size   | Opening Angle | Opening Gap | Maximum Height | Maximum Width | Maximum Load Capacity | Material No. |
|--------|---------------|-------------|----------------|---------------|-----------------------|--------------|
| 342mm  | 45 to 50°     | 80mm        | 600mm          | 1500mm        | 22kg                  | SRP01        |
| 600mm  | 45 to 50°     | 150mm       | 1000mm         | 1500mm        | 35kg                  | SRP02        |
| 951mm  | 45 to 50°     | 230mm       | 1200mm         | 1500mm        | 42kg                  | SRP03*       |
| 1200mm | 45 to 50°     | 50mm        | 1500mm         | 1500mm        | 74kg                  | SRP04*       |

Note: Not suitable for installations with Overlap systems.  
\*Comes with opening restrictor.



**Progressive Systems**

**SRC 01/02/03 - 14,5mm**

| Size  | Opening Angle | Maximum Height | Maximum Width | Maximum Load Capacity | Material No. |
|-------|---------------|----------------|---------------|-----------------------|--------------|
| 342mm | 45 to 50°     | 600mm          | 1500mm        | 22kg                  | SRC01        |
| 600mm | 45 to 50°     | 1000mm         | 1500mm        | 35kg                  | SRC02*       |
| 951mm | 45 to 50°     | 1200mm         | 1500mm        | 45kg                  | SRC03*       |

Note: Not suitable for installations with Overlap systems.  
\*Comes with opening restrictor.

**Coatings**



Friction Stays



Stainless Steel Friction Stays - 16mm

| Size    | Opening Angle | SRH         | Maximum Load Capacity | Material No. |
|---------|---------------|-------------|-----------------------|--------------|
| 212,5mm | 50°           | 350-450mm   | 40kg                  | 785740       |
| 305mm   | 40°           | 450-800mm   | 45kg                  | 823193       |
| 353mm   | 40°           | 600-950mm   | 50kg                  | 823194       |
| 414mm   | 50°           | 750-1250mm  | 65kg                  | 823195       |
| 565mm   | 20°           | 1100-1500mm | 100kg                 | 823196       |
| 613mm   | 20°           | 1200-1800mm | 120kg                 | 823197       |
| 666mm   | 20°           | 1450-2500mm | 180kg                 | 823198       |

Note: Not suitable for installations with Overlap systems.



Stainless Steel Friction Stays - 12,5mm

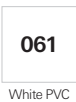
| Size  | SRH        | Maximum Load Capacity | Material No. |
|-------|------------|-----------------------|--------------|
| 290mm | 320-450mm  | 10kg                  | STN01        |
| 440mm | 451-650mm  | 14kg                  | STN02        |
| 635mm | 651-1000mm | 17kg                  | STN03        |



Aluminum Friction Stays APS - 18mm

| Size  | Maximum Height | Maximum Load Capacity | Material No. |
|-------|----------------|-----------------------|--------------|
| 290mm | 450mm          | 10kg                  | APS01        |
| 440mm | 650mm          | 13kg                  | APS02        |
| 635mm | 800mm          | 17kg                  | APS03        |

Coatings



**Single point locking**



**Material No.** **FMA174**

**Note:** Comes with strikers.



**Material No.** **FMA175**

**Note:** Comes with strikers.

**Note:** For sashes wider than 800 mm, use two lockers per sash.

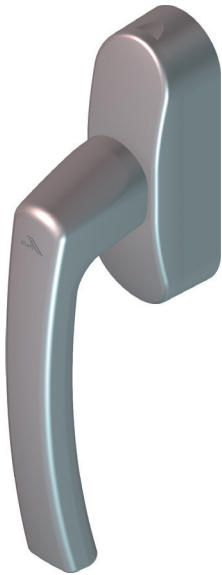
**Handles**



**Geared-handle – cranked**

| Material No. | Colour coating | Spindle<br>Lenght | Material No. |
|--------------|----------------|-------------------|--------------|
| 9005         | Black          | 23mm              | 2007754P022  |
| 9003         | White          | 23mm              | 2007754P021  |
| -            | Silver         | 23mm              | 2007754P074  |
| -            | Special Colors | 23mm              | 2007754P067  |
| 9005         | Niro           | 23mm              | 2035872      |
| 9003         | Black          | 23mm              | 2007757P022  |
| -            | White          | 23mm              | 2007757P021  |
| -            | Silver         | 23mm              | 2007757P074  |
| -            | Special Colors | 23mm              | 2007757P067  |
| -            | Niro           | 23mm              | 2035871      |

## Handles



### Changeover espagnolette

| Coat colour    | Spindle Length | Material No. |
|----------------|----------------|--------------|
| Black          | 26mm           | 491338       |
| White          | 26mm           | 491335       |
| Special Colors | 26mm           | 491339       |



### Geared-handle – lockable

| Coat colour   | Spindle Length | Material No. |
|---------------|----------------|--------------|
| Black         | 23mm           | 238700P022   |
| White         | 23mm           | 238700P021   |
| Silver        | 23mm           | 238700P074   |
| Special Color | 23mm           | 238700P067   |





# Doors

Door components

## DOORS

Verano Line  
Component list

### Hinges



| Description | Load capacity        | Material No. |
|-------------|----------------------|--------------|
| 2 parts     | Up to 10kg per hinge | DOB17        |
| 3 parts     | Up to 20kg per hinge | DOB24        |

### Hinges - ATB80



#### Hinge ATB80 - up to 100kg per sash

| Colour coat   | Left   | Right  |
|---------------|--------|--------|
| Black RAL9005 | 565485 | 565493 |
| White RAL9016 | 548290 | 548294 |

### Hinge - ATB120



#### Hinge ATB120 - up to 160kg per sash

| Colour coat   | Left        | Right       |
|---------------|-------------|-------------|
| Black RAL9005 | 568358P022  | 568359P022  |
| White RAL9003 | 2010177P021 | 2010178P021 |
| Silver        | 548389P074  | 548393P074  |
| Special Color | 2010177P067 | 2010178P067 |

### Hinge - AT90



#### Internal/external application

| Material No. | Colour coat | Load capacity |
|--------------|-------------|---------------|
| 487497       | Black       | 60kg          |
| 2044230P *   | White       | 60kg          |

## DOORS

Verano Line

Component list

### Hinge - AL540



#### Hinge AL540

| Material No. | Colour coat     | Load Capacity |
|--------------|-----------------|---------------|
| 728775       | Black           | 90kg          |
| 728776       | White           | 90kg          |
| 728773       | Silver          | 90kg          |
| 714303       | Stainless Steel | 90kg          |



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