

**LINE ST-77**  
**ALUMINIUM DOORS**

**Schöne**  
portes - doors

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portes - doors  
*Quality Products*



## ST.77

“ The new **Schöne LINE ST.77** system in combination with panel exclusive series constitute a top selection for the main entrance to the house. **ST.77** offers outstanding design with all the essential characteristics required for the perfect door. ”



## ► DESIGN

The linear and at the same time modern design of panel exclusive with the decorative inox at the same level as the panels as well as the plain lines produce an excellent result lending prestige to the total image of the house. There is a wide variety of accessories, such as opening by Keyboard, Bluetooth and Fingerprint.



## ► SECURITY

The sturdy construction of the door, the multiple-point locks and the rest of the components in combination with the triplex glazing of 4+4 mm together with the reinforced aluminum sheets 3 mm thick inside and out function as a preventative factor against its violation. A steel 2 mm sheet can optionally be used in the interior of the panel for additional security.



## ► THERMAL INSULATION

The energy factor of the entrance constitutes a fundamental criterion for its selection and **ST.77** reduces the index to just  **$U_d=0,91 \text{ W/(m}^2\text{K)}$**  accredited by Rosenheim Institute. The polyamide bars, the three chamber levels of the profile, the insulation in the mid-chamber and the quality insulation materials provide for a thermoinsulation "wall".



## ► WATERTIGHTNESS

The Three-level **ST.77** water tightness system guarantees absolute avoidance of water in the interior. The EPDM rubber bands in the frame, the sheet and the framefoot as well as the EPDM angles produce an excellent watertightness result.

## ST.77C

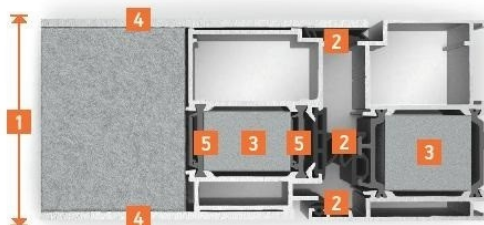
With C type panel  
(soldered inside and out)

Door dimension: 1230 × 2180 mm **EN15351-1**

Factor  
**0,91**  
W/(m<sup>2</sup>K)



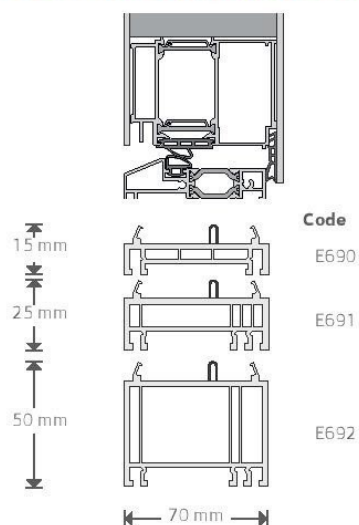
- ▶ Maximum thermal insulation level and high aesthetics
- ▶ Flat surface inside and out
- ▶ Four glass panes for better thermal insulation
- ▶ Triplex glass panes (4+4 mm) inside and out
- ▶ Aluminum sheet: 3 mm outside, 3 mm inside
- ▶ Reinforced profile wall thickness (1.5 – 1.8 mm)



### ▶ HORIZONTAL ELEVATION

- 1 Profile depth 77 mm
- 2 Three EPDM tightness rubber bands
- 3 Profile insulation
- 4 Aluminum sheets 3 mm inside and out
- 5 Jointed thermosuspension on the sheet profile which minimizes possible malfunction resulting from profile expansion and contraction due to the high temperature differential

### ▶ FLOOR INSULATION PROFILE

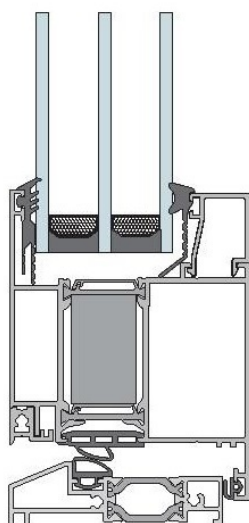


### ▶ VERTICAL ELEVATION

- 1 Plated framefoot with foam insulation
- 2 Two tightness rubber bands on the framefoot
- 3 Framefoot height 20 mm



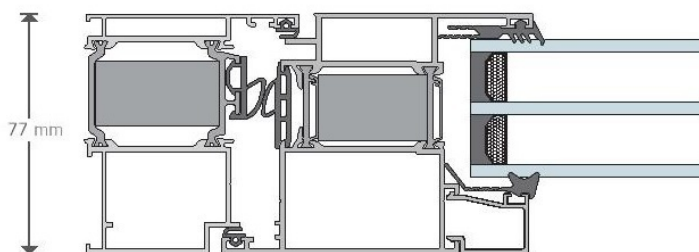
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## ST.77A

SUPER door with glass pane

**LINE ST.77A** series has the same characteristics as **ST.77C** series and the same components are used.





## ST.77

Orientated to the increased energy requirements of the times, created **ST.77**. Its basic characteristic is the high energy efficiency it provides in combination with Panel Exclusive. **ST.77** provides a wide variety of accessories such as handles, hinges, locks, colours and glasspanes while it also provides alternative door-opening ways as by Fingerprint, Bluetooth or Keyboard.

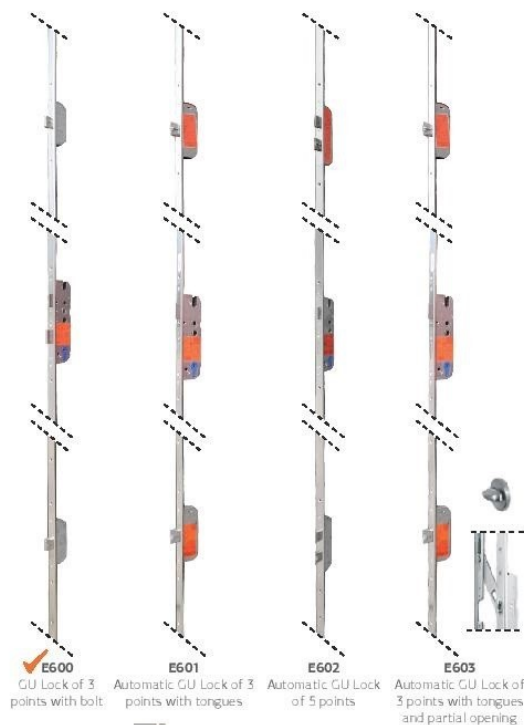
- ▶ Standard edition door dimensions up to: Height 2300 mm, Width 1085 mm (exceeding one of these dimensions entails extra charge depending on the dimension)
- ▶ Maximum door sheet construction dimensions: Height 2350 mm, Width 1400 mm
- ▶ Maximum allowed weight per sheet 220 kg
- ▶ Font lines and decorative inox only on the external side of the door
- ▶ The internal side is flat with glass pane opening, where one is provided. Possibility for design on the internal side. (extra charge depending on the design)

### STANDARD EQUIPMENT

✓ Included in the door standard equipment



#### 1 Lock Cylinders / Rollers



#### 2 Locks



All locks are Security Level WK 3 checked

#### 3 Handles Inside

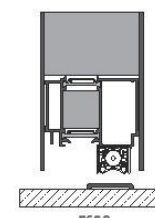


#### 4 Keyhole Cover Inside

#### 5 Keyhole Cover Outside



#### 6 Hinges



#### 7 Windbreak



#### 8 Electrical Lock



#### Security Valve

## OPTIONAL EQUIPMENT



**E660**  
Fingerprint Opening



**E661**  
Bluetooth Opening



**E662**  
Keyboard Opening

### GU Return Mechanism



**E670**  
Return Mechanism with arm



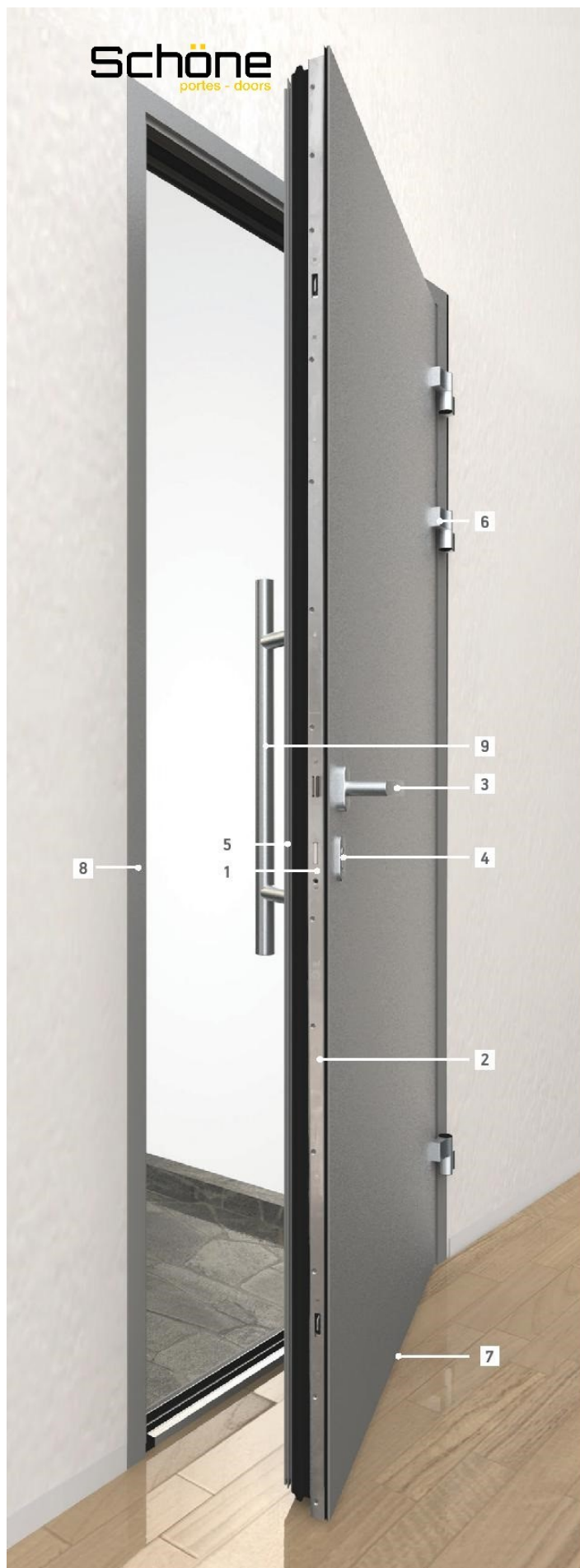
**E671**  
Return Mechanism with linear guide

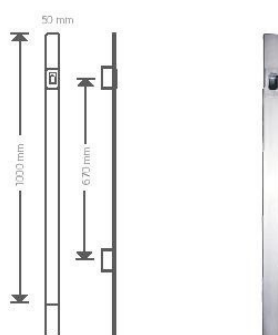
### GU Return Mechanism



**E680**

### Battery Operated Camera

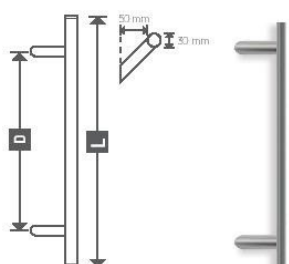




#### INOX HANDLE BY FINGERPRINT

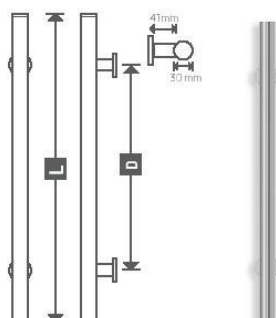


**Code E409**  
Length 100 cm



#### OBLIQUE INOX HANDLES 316

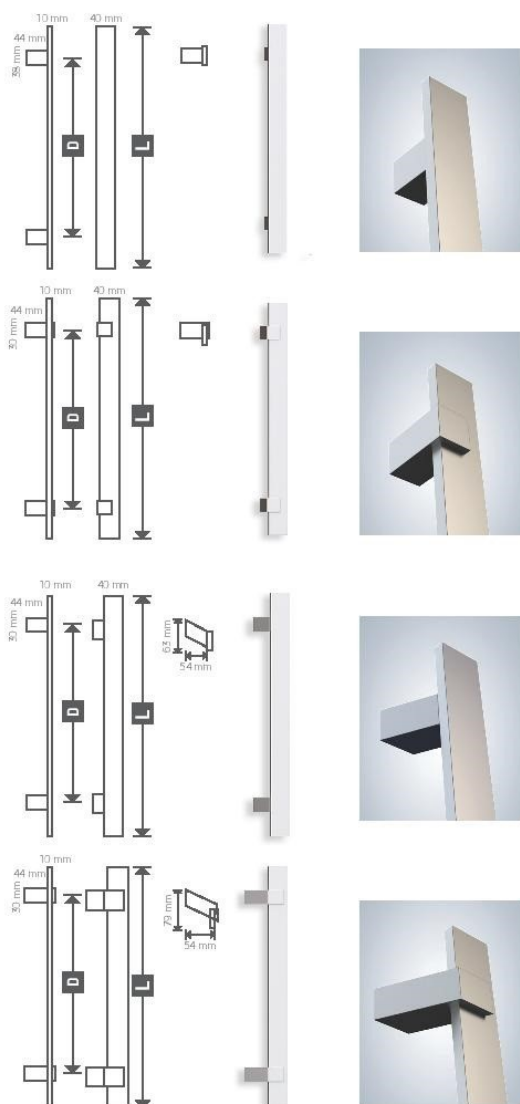
Handle Dimensions								
	E380	E381	E382	E383	E384	E385	E386	E387
D (cm)	30	40	60	80	100	120	140	160
L (cm)	50	60	80	100	120	140	160	180



#### INOX HANDLES 316

Handle Dimensions								
	E3020	E3540	E3030	E3550	E3100	E3560	E3570	E3580
D (cm)	30	40	60	80	100	120	140	160
L (cm)	50	60	80	100	120	140	160	180





### ALUMINUM PLATED HANDLES

Handle Dimensions			
	E390	E391	E392
D (cm)	30	40	60
L (cm)	50	60	80

Handle Dimensions			
	E395	E396	E397
D (cm)	30	40	60
L (cm)	50	60	80

Handle Dimensions			
	E400	E401	E402
D (cm)	30	40	60
L (cm)	50	60	80

Handle Dimensions			
	E405	E406	E407
D (cm)	30	40	60
L (cm)	50	60	80

### INOX FEET PROTECTIVES 316



### INOX DOOR NUMBERS 316



### CLASSIC HANDLES



Code E550

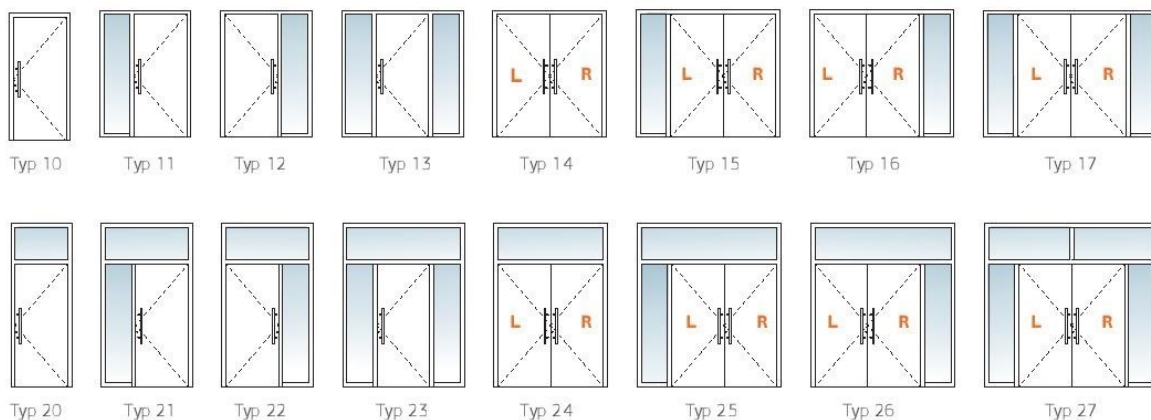


## FRAME TYPE

Select the frame type to your preference and fill the code in the corresponding box on the door order form. Regarding two-sheet frames you will be asked to select which sheet will open first.

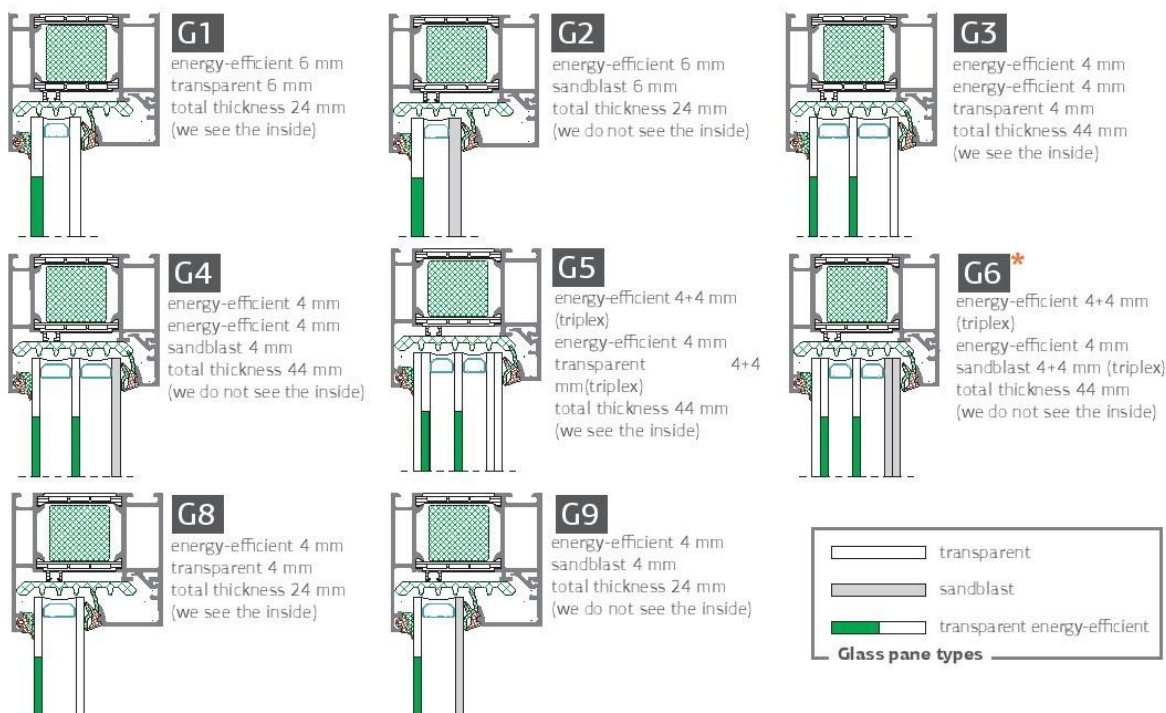
**L** Left Door Sheet    **R** Right Door Sheet

*We look at them from the outside*



## GLASSPANE TYPE FOR STABLE AND SKYLIGHT

Select the glass pane to your preference when your door has side-stable or skylight and fill the code in the corresponding box on the door order form. Select between double-glazed 6 mm glass panes or triple-glazed 4 mm and 8 mm triplex glass panes. Select whether the glass panes will be transparent (you see the inside of the building) or sandblast glass pane (you cannot see the inside of the building). In all selections the glass panes are energy-efficient for better thermo insulation.



\* This glass pane type is also used in panels. If the panel has glass pane it is preferable to select the same glass pane type for the stable or skylight to achieve the same glass pane colour shade.





L 100



L 101



L 110



L 110



L 120



L 121



L 123



L 124



L 130



L 140



L 140



L 150



L 160



L 161



L 162



L 165



L 170



L 171



L 180



L 180



L 190



L 200



L 210



L 211



L 212



L 220



L 222



L 224



L 230



L 231



L 240



L 241



L 241



L 250



L 251



L 260



L 261



L 270



L 280



L 290



L 300



L 301



L 301



L 302



L 303



L 310



L 311



L 312



L 313



L 320



L 330



L 331



L 335



L 337



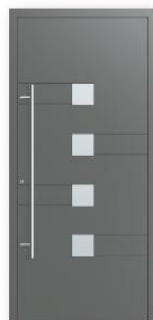
L 340



L 350



L 351



L 360



L 361



L 370





L 371



L 372



L 380



L 381



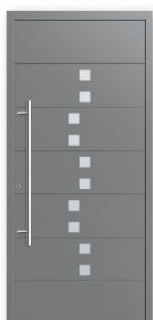
L 383



L 385



L 390



L 391



L 392



L 393



L 400



L 401



L 401



L 410



L 420



L 421



L 430



L 431



L 432



L 435



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