

Approval body for construction products  
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and  
Laender Governments



## European Technical Assessment

**ETA-17/0443**  
**of 1 March 2021**

English translation prepared by DIBt - Original version in German language

### General Part

Technical Assessment Body issuing the  
European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

"NovoPorta Premio"

Product family  
to which the construction product belongs

Internal fire resisting and/or smoke control single and  
double leaf doorsets made of steel

Manufacturer

Novoferm GmbH  
Schüttensteiner Straße 26  
46419 Isselburg-Werth  
DEUTSCHLAND

Manufacturing plant

Novoferm Riexinger Türenwerke GmbH  
Industriestraße  
74336 Brackenheim  
DEUTSCHLAND  
Novoferm GmbH  
Schüttensteiner Straße 26  
46419 Isselburg-Werth

This European Technical Assessment  
contains

82 pages including 77 annexes which form an integral  
part of this assessment

This European Technical Assessment is  
issued in accordance with Regulation (EU)  
No 305/2011, on the basis of

EAD 020029-00-1102

This version replaces

ETA-17/0443 issued on 26 April 2019

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## Specific Part

### 1 Technical description of the products

Internal fire resisting and/or smoke control single or double leaf doorsets (pivot doorsets) "NovoPorta Premio" - made of steel - are the subject of this ETA.

They are made in different versions:

- El<sub>2</sub> 30-S<sub>a</sub> C5 and El<sub>2</sub> 30-S<sub>200</sub> C5
- El<sub>2</sub> 60-S<sub>a</sub> C5 and El<sub>2</sub> 60-S<sub>200</sub> C5
- El<sub>1</sub> 60-S<sub>a</sub> C5 and El<sub>1</sub> 60-S<sub>200</sub> C5
- El<sub>2</sub> 90-S<sub>a</sub> C5 and El<sub>2</sub> 90-S<sub>200</sub> C5
- S<sub>a</sub> C5 and S<sub>200</sub> C5

The products involve those which are used manually, opening and self-closing as a normal mode of operation. They can also be normally held open but self-close in the event of fire or smoke.

The fire resisting and/or smoke control doorsets shall be designed:

- using steel plates featuring fire-resistant inlays
- with building hardware,
- with or without flush over panel or transom panel (with or without glazing) and contained within a single perimeter frame for inclusion in a single aperture,
- with or without any vision panel(s) in the doorsets leaf or leave(s),
- with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets (for fire resistance),
- with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets in conjunction with a soil liner (for smoke control).

Single leaf fire resisting and/or smoke control doorsets - without flush over panel or transom panel - are verified at levels other than the floor level (i.e. at increased heights). These doorsets in the area of the frame of the leaf have to be designed with a four-sided permanently elastic seal to prevent smoke from penetrating. The lower edge of the leaf and the frame has to be designed like the upper edge if need be.

The system setup of the product "NovoPorta Premio" with classification El<sub>2</sub> 30-C5 S<sub>a</sub> and El<sub>2</sub> 30-C5 S<sub>200</sub> is given in Annexes A1 to A26.

The system setup of the product "NovoPorta Premio" with classification El<sub>2</sub> 60-C5 S<sub>a</sub> and El<sub>2</sub> 60-C5 S<sub>200</sub> El<sub>1</sub> 60-C5 S<sub>a</sub> and El<sub>1</sub> 60-C5 S<sub>200</sub> is given in Annexes B1 to B15.

The system setup of the product "NovoPorta Premio" with classification El<sub>2</sub> 90-C5 S<sub>a</sub> and El<sub>2</sub> 90-C5 S<sub>200</sub> is given in Annexes C1 to C10.

The system setup of the product "NovoPorta Premio" with classification C5 S<sub>a</sub> and C5 S<sub>200</sub> is given in Annexes D1 to D26.

### 2 Specification of the intended use in accordance with the applicable European Assessment Document

Fire resisting and/or smoke control doorsets are used internally as closures in fire resisting walls and/or for escape routes. The products can be used as internal fire resisting and/or smoke control single and double leaf doorsets in internal walls.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the fire resisting and/or smoke control doorsets of 15 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

The performances given in Section 3 are only valid if the products are used in compliance with the specifications and conditions given in Annexes A to D.

### 3 Performance of the product and references to the methods used for its assessment

#### 3.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
Reaction to fire of components acc. to EN 13501-1	Steel plate A1
	Insulation A1
	Glazing A1 to E
	Gypsum plaster board A2
	Sealing A2
	Polyurethane foam B1
	Intumescent material E
Resistance to fire acc. to EN 13501-2	El <sub>2</sub> 30
	El <sub>1,2</sub> 60
	El <sub>2</sub> 90
Smoke control acc. to EN 13501-2	S <sub>a</sub> /S <sub>200</sub>

#### 3.2 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Self-closing acc. to EN 13501-2	C
Ability to release	"released"
Durability of the ability to release	"release maintained"
Durability of self-closing against degradation (cycling testing) acc. to EN 13501-2	5
Durability of self-closing against ageing (corrosion)	"achieved"
Impact resistance acc. to EN 13049	5
Strength requirements	No performance assessed

#### 3.3 Protection against noise (BWR 5)

Essential characteristic	Performance
Direct airborne sound insulation index acc. to EN ISO 717-1	Single leaf door Rw (C;Cw) = 23 (-1;-3) to Rw (C;Cw) = 44 (-3;-9)
	Double leaf door Rw (C;Cw) = 22 (-1;-3) to Rw (C;Cw) = 43 (-3;-9)

#### 3.4 Sustainable use of natural resources (BWR 7)

For the sustainable use of natural resources no performance was investigated for this product.

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**4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base**

In accordance with EAD No. 020029-00-1102, the applicable European legal act is: 1999/93/EU.

The system to be applied is: 1

**5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 1. March 2021 by Deutsches Institut für Bautechnik

Dr.-Ing. Karsten Kathage  
Vice President

*beglaubigt:*  
Christina Pritzkow

## "NovoPorta Premio"

## Annex A1

### El<sub>2</sub> 30-C5 S<sub>a</sub> and El<sub>2</sub> 30-C5 S<sub>200</sub>

Annex A contains internal single or double leaf doorsets (pivot doorsets) "NovoPorta Premio" with the classification El<sub>2</sub> 30-C5 S<sub>a</sub> and El<sub>2</sub> 30-C5 S<sub>200</sub>.

The fire resisting and/or smoke control doorsets are made of steel plates and fire-resistant inlays with building hardware. They may be designed with or without any vision panel(s) in the doorsets leaf or leave(s). The products shall be designed with or without flush over panel or transom panel (with or without glazing) and contained within a single perimeter frame for inclusion in a single aperture.

Fire resisting doorsets are made with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets.

Fire resisting and/or smoke control doorsets are made with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets in conjunction with a soil liner (for smoke control).

Single leaf fire resisting and/or smoke control doorsets - without flush over panel or transom panel - are verified at levels other than the floor level (i.e. at increased heights). These doorsets in the area of the frame of the leaf have to be designed with a four-sided permanently elastic seal to prevent smoke from penetrating. The lower edge of the leaf and the frame has to be designed like the upper edge if need so.

The system setup of the product is given in Annexes A2 to A26.

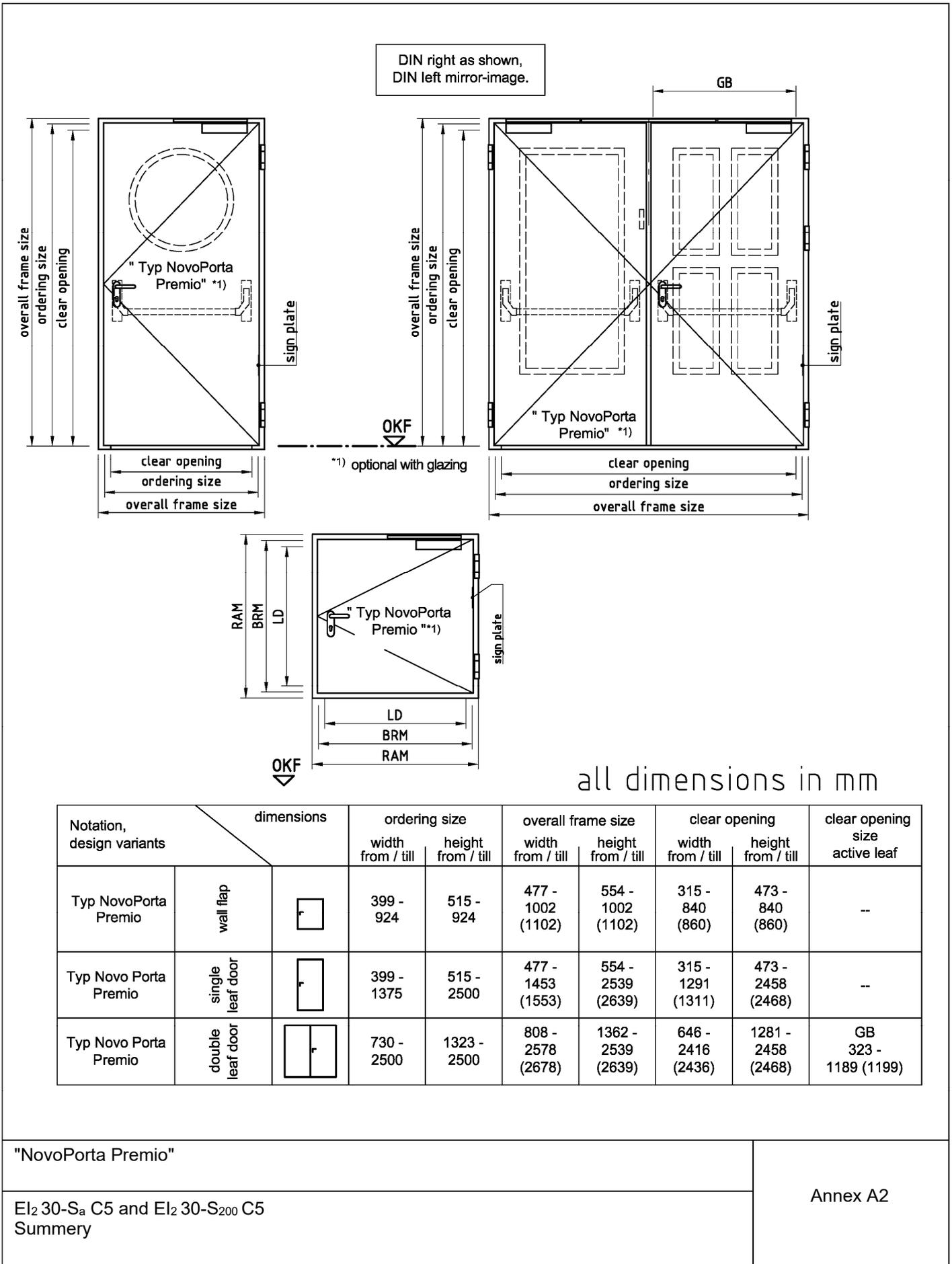
The products "NovoPorta Premio" in maximum size 1375 mm x 2500 mm single leaf and 2500 mm x 2500 mm double leaf (ordering size) are proved as internal fire resisting and/or smoke control single and double leaf doorsets in internal walls/on internal components:

- ≥ 115 mm high density solid wall of masonry with an overall density of ≥ 850 kg/m<sup>3</sup>, or
- ≥ 100 mm solid wall of concrete masonry with an overall density ≥ 850 kg/m<sup>3</sup>, or
- ≥ 150 mm low density solid wall of aerated concrete with an overall density of ≥ 650 ± 200 kg/m<sup>3</sup>, or
- ≥ 100 mm fire resistant light weight plasterboard faced steel stud partition (EI 30), or
- ≥ 100 mm fire resistant light weight plasterboard faced wood stud partition (EI 30), or
- ≥ 100 mm fire resistant steel column or -beam (EI 60).

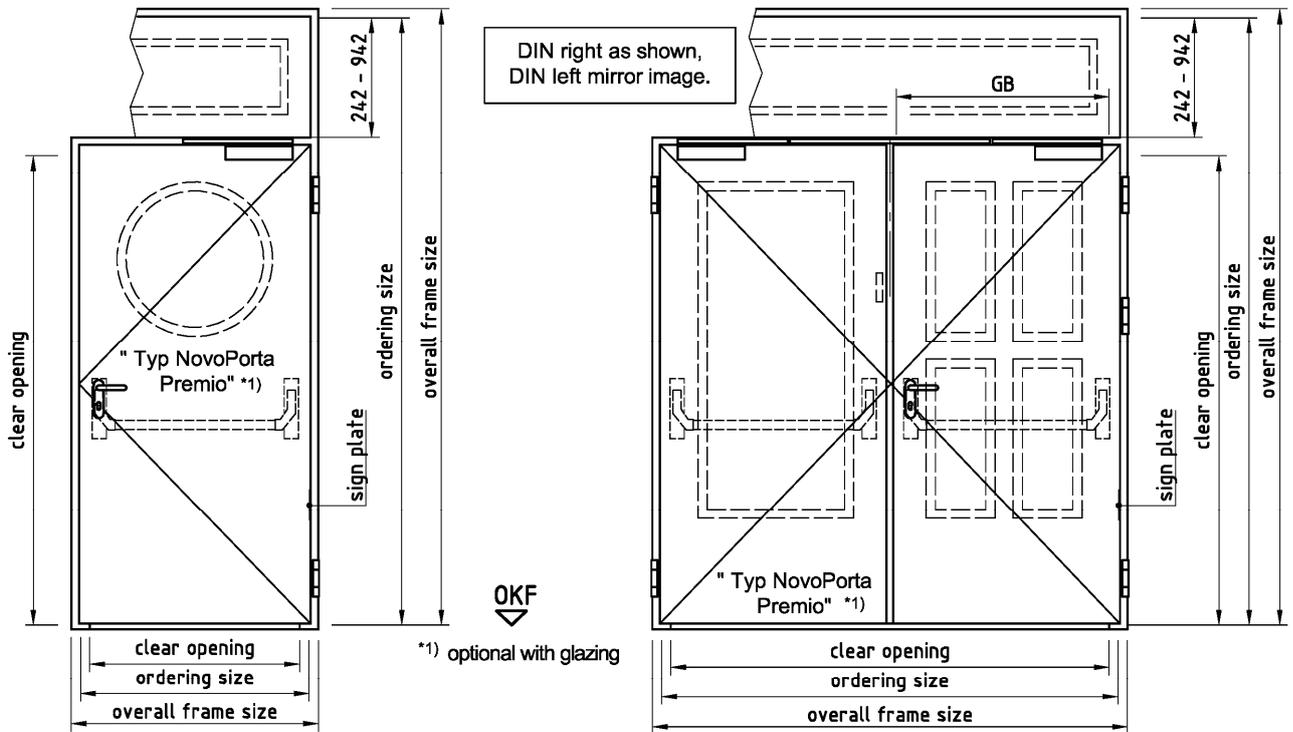
The products "NovoPorta Premio" in maximum size 1500 mm x 3000 mm single leaf and 3000 mm x 3000 mm double leaf (ordering size) are proved as internal fire resisting and/or smoke control single and double leaf doorsets in internal walls/on internal components:

- ≥ 175 mm high density solid wall of masonry with an overall density of ≥ 850 kg/m<sup>3</sup>, or
- ≥ 140 mm solid wall of concrete masonry with an overall density ≥ 850 kg/m<sup>3</sup>, or
- ≥ 175 mm low density solid wall of aerated concrete with an overall density of ≥ 650 ± 200 kg/m<sup>3</sup>, or
- ≥ 100 mm fire resistant light weight plasterboard faced steel stud partition (EI 30), or
- ≥ 100 mm fire resistant light weight plasterboard faced wood stud partition (EI 30), or
- ≥ 100 mm fire resistant steel column or -beam (EI 60).

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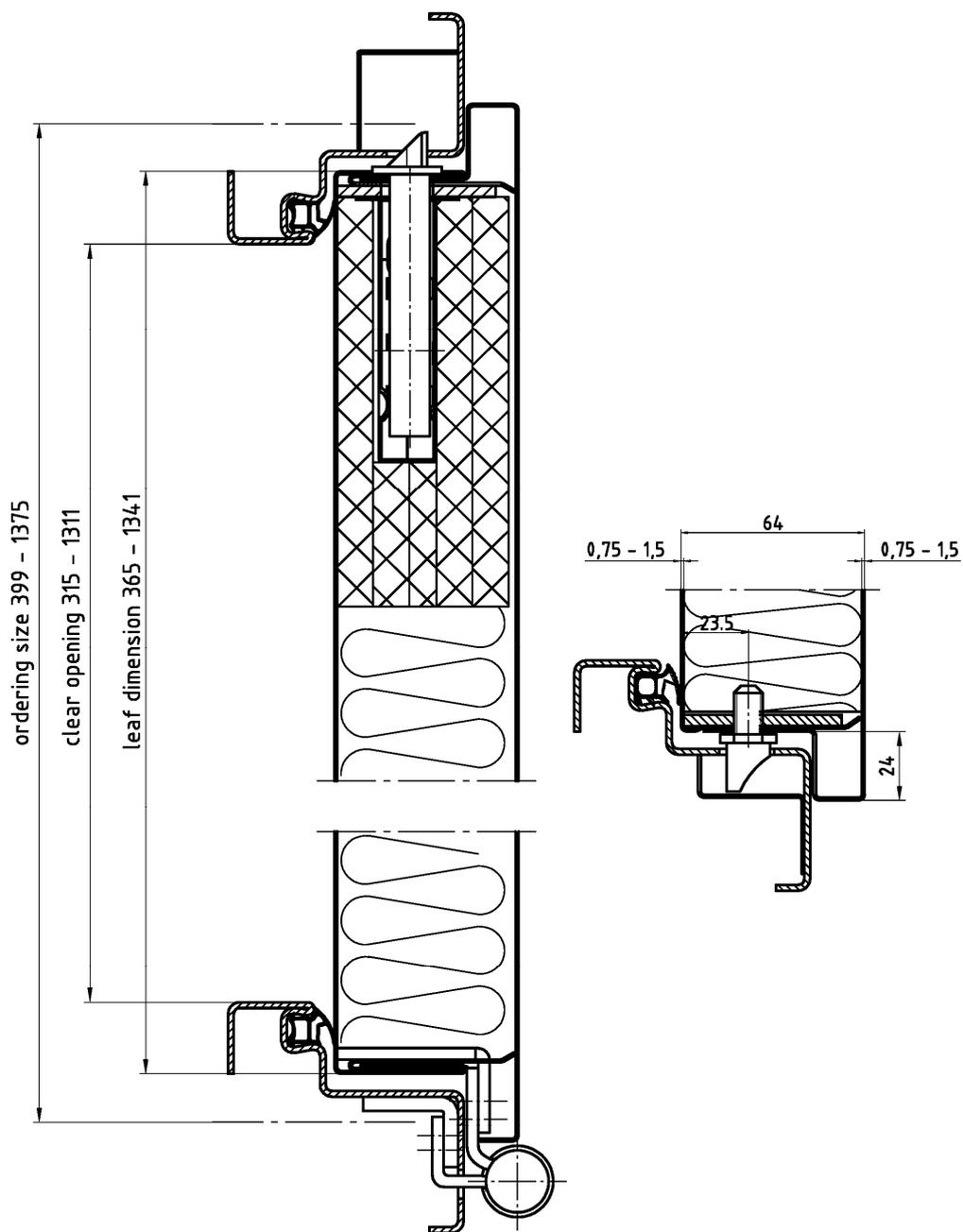
all dimensions in mm

Notation, design variants		dimensions	ordering size		overall frame size		clear opening		clear opening size active leaf
			width from / till	height from / till	width from / till	height from / till	width from / till	height from / till	
Typ Novo Porta Premio	single leaf door with overpanel		399 - 1375	2050 - 3500	477 - 1453 (1553)	2089 - 3539 (3639)	315 - 1291	1699 - 2449	--
Typ Novo Porta Premio	double leaf door with overpanel		730 - 2500	2050 - 3500	808 - 2578 (2678)	2089 - 3539 (3639)	646 - 2416	1699 - 2449	GB 323 - 1189

"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Summery

Annex A3

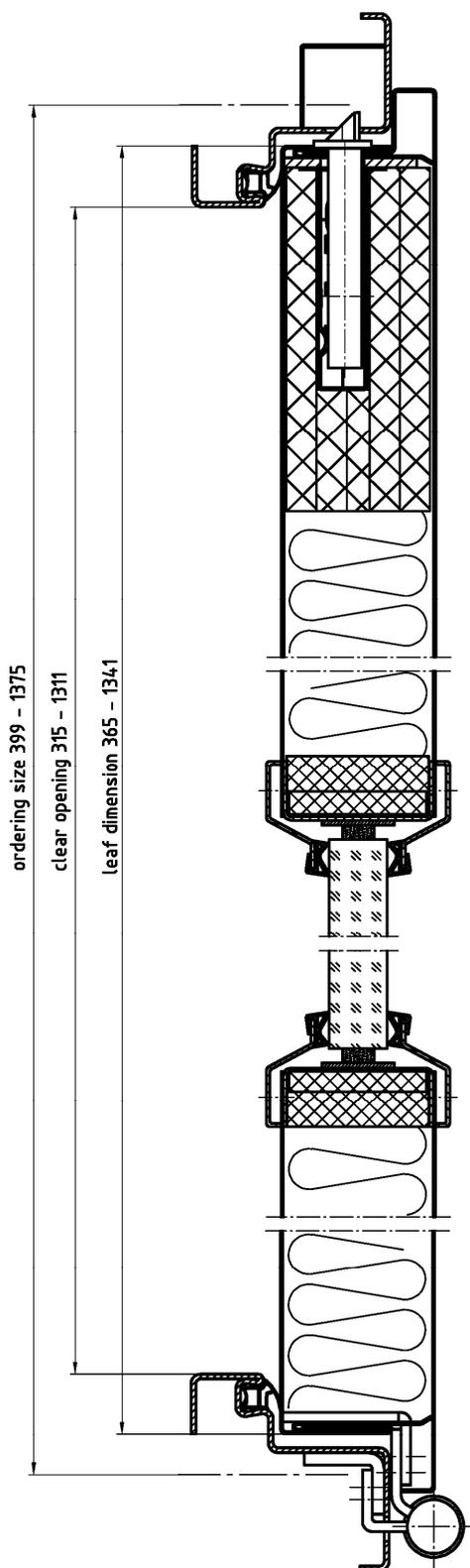


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – single leaf doorset

Annex A4

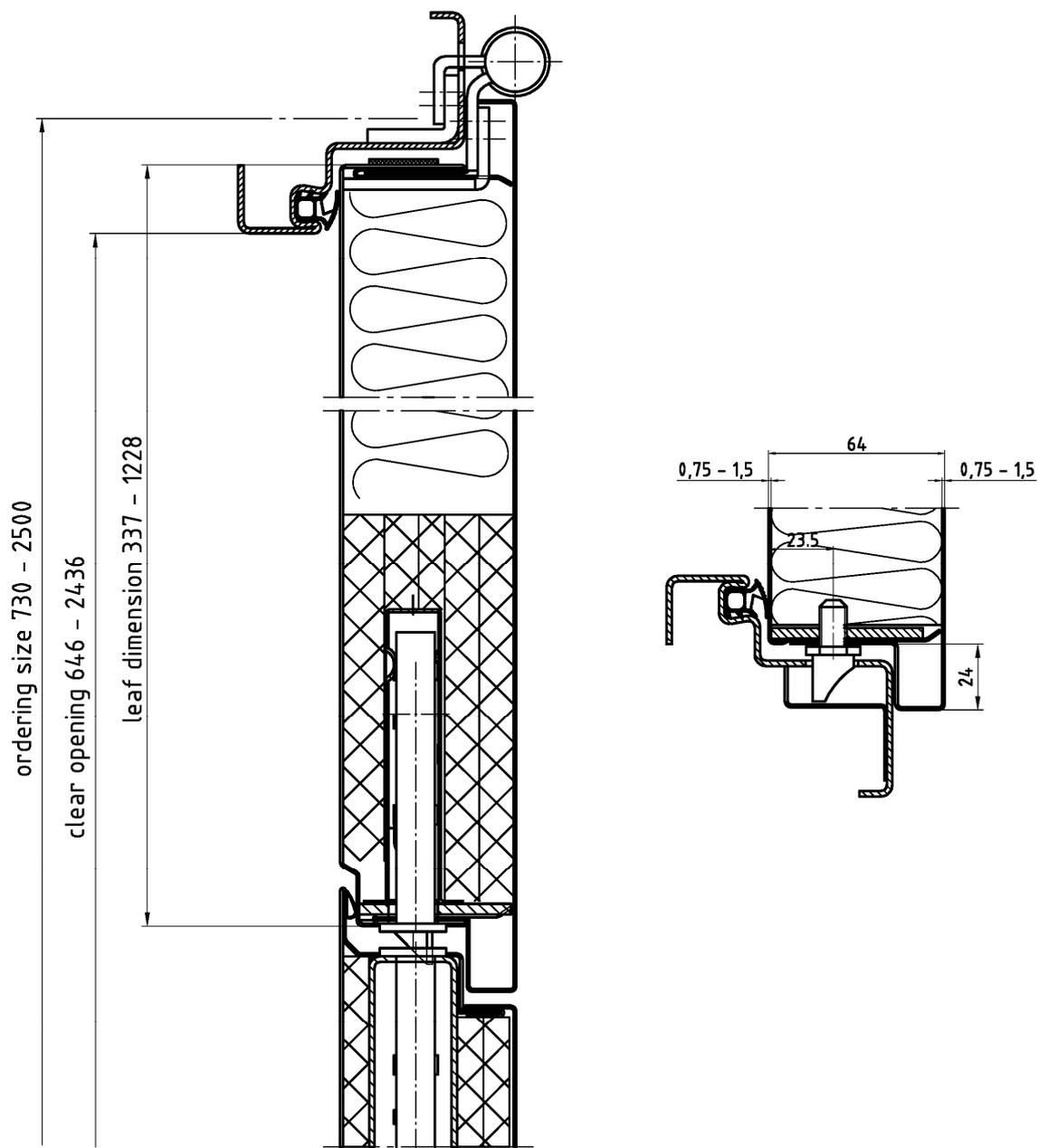


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – single leaf doorset

Annex A5

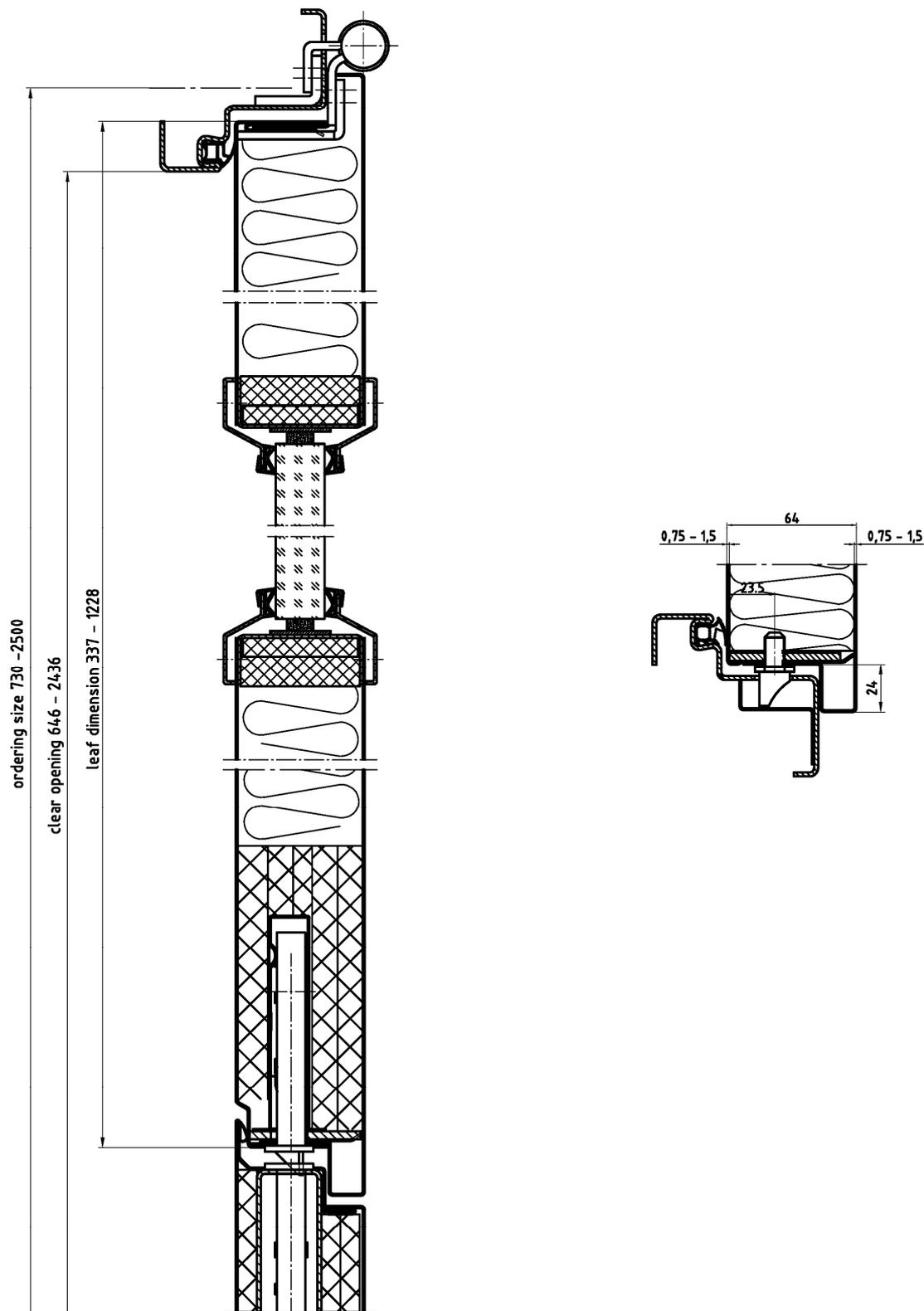


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – double leaf doorset

Annex A6

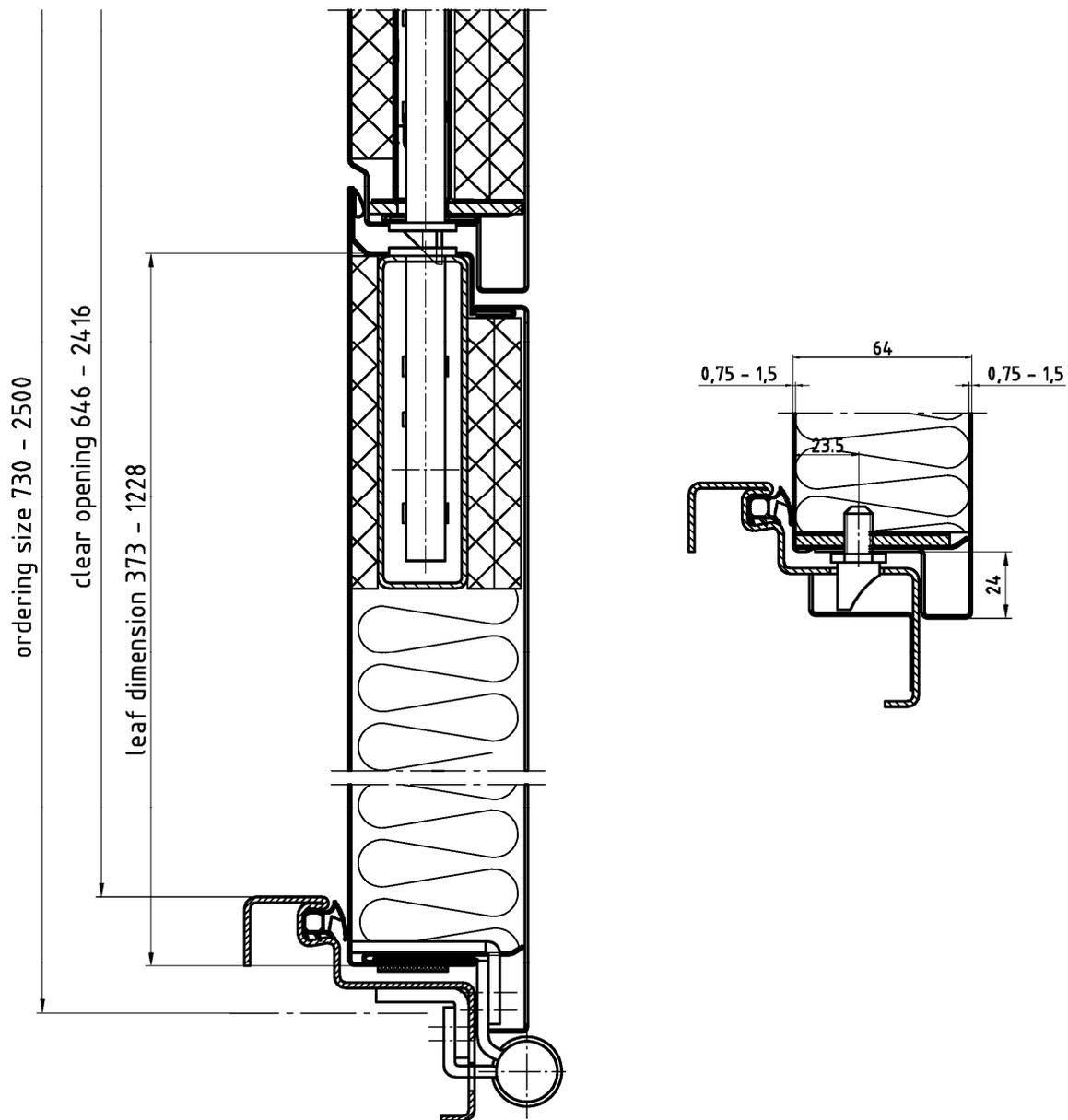


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – double leaf doorset

Annex A7

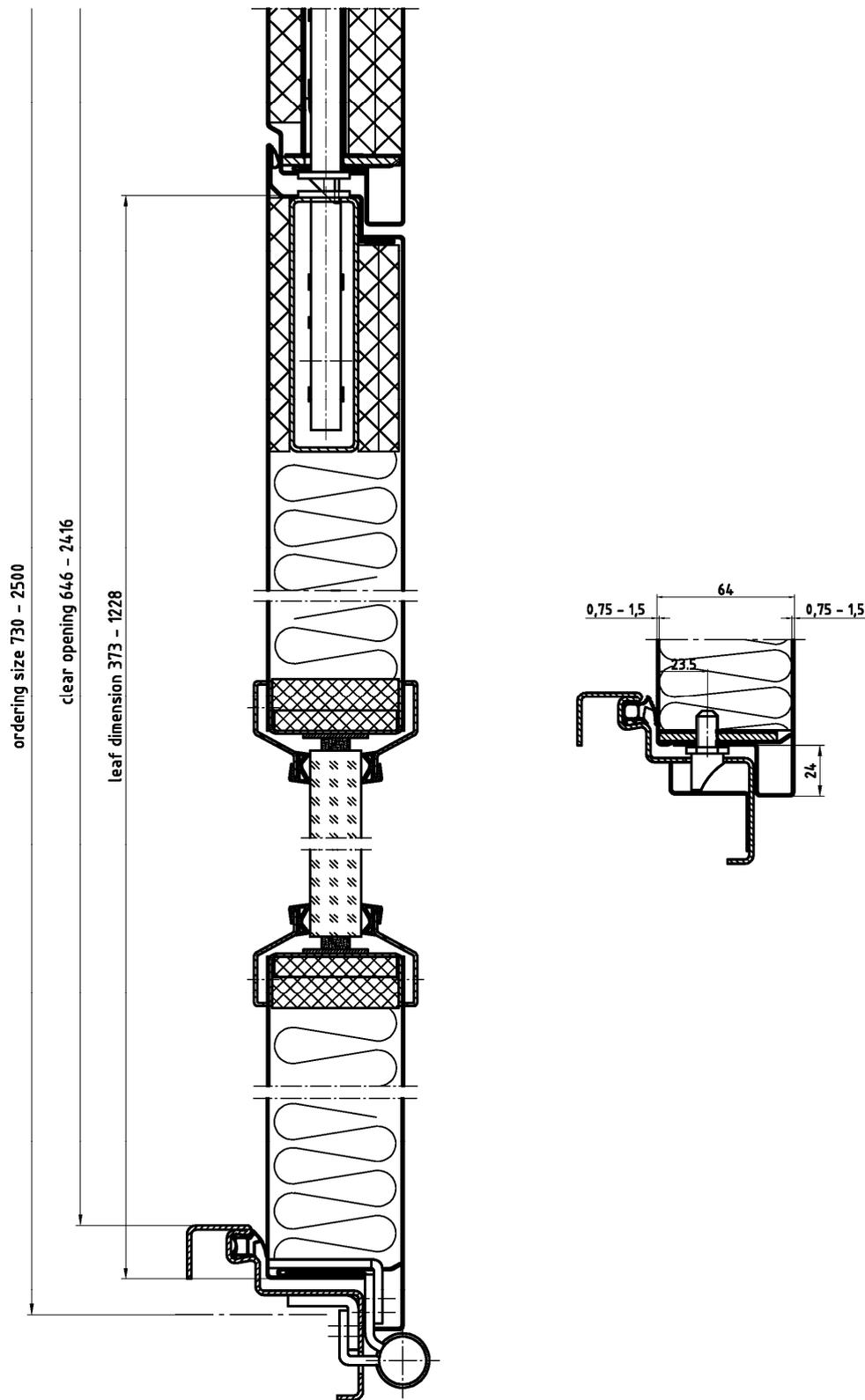


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – double leaf doorset

Annex A8

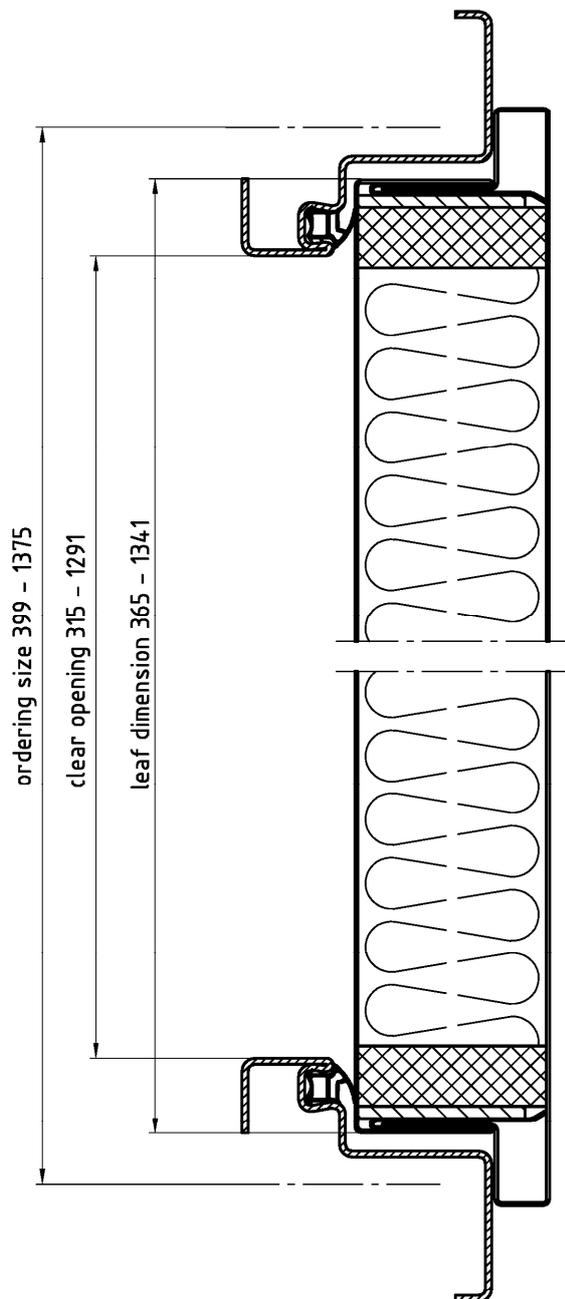


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – double leaf doorset

Annex A9

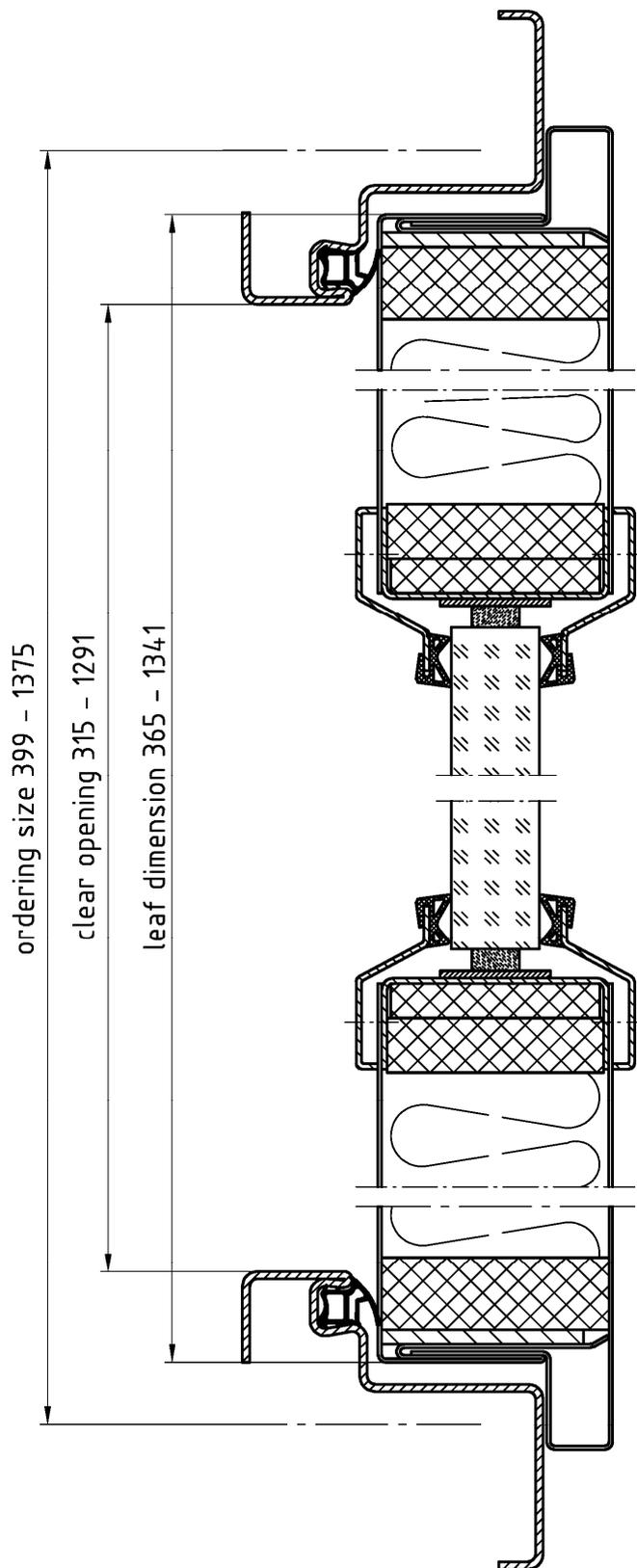


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section overpanel – single leaf doorset

Annex A10

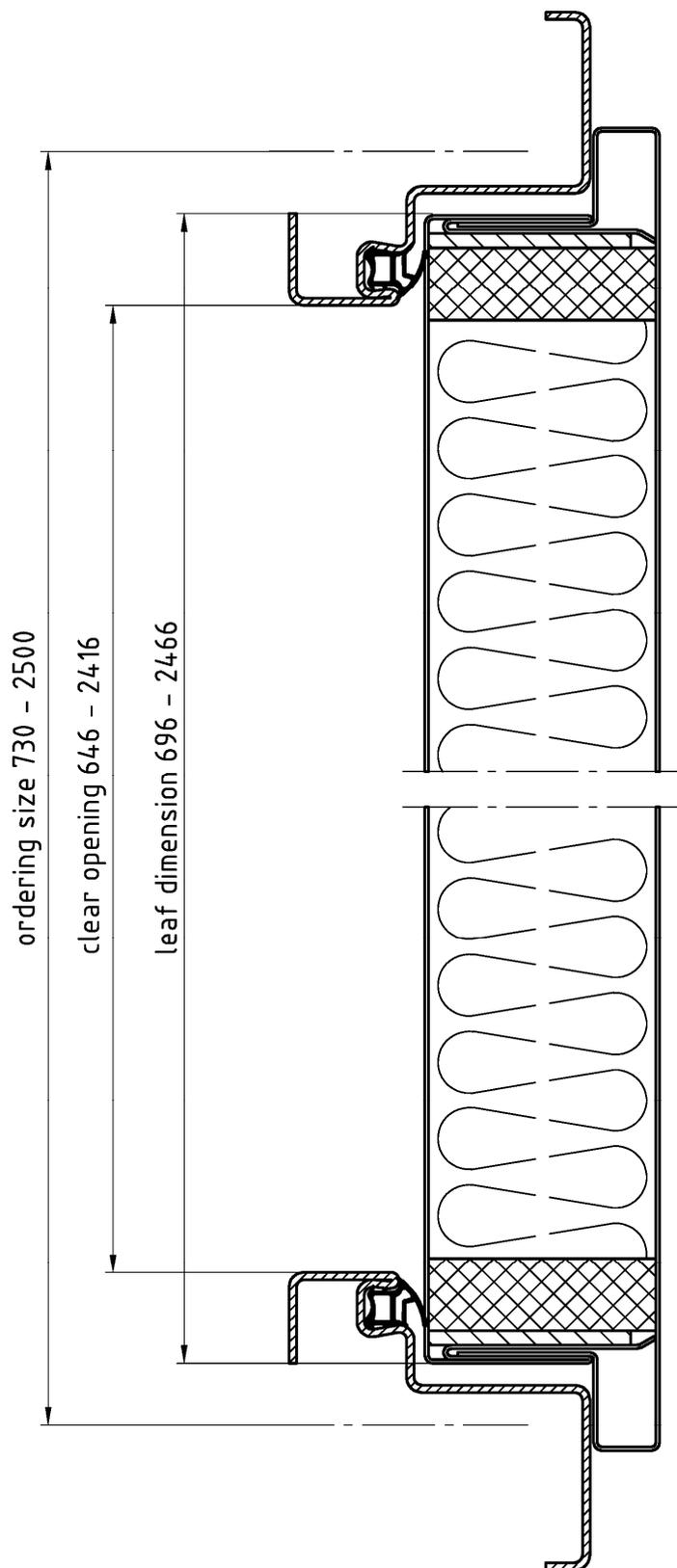


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section overpanel – single leaf doorset

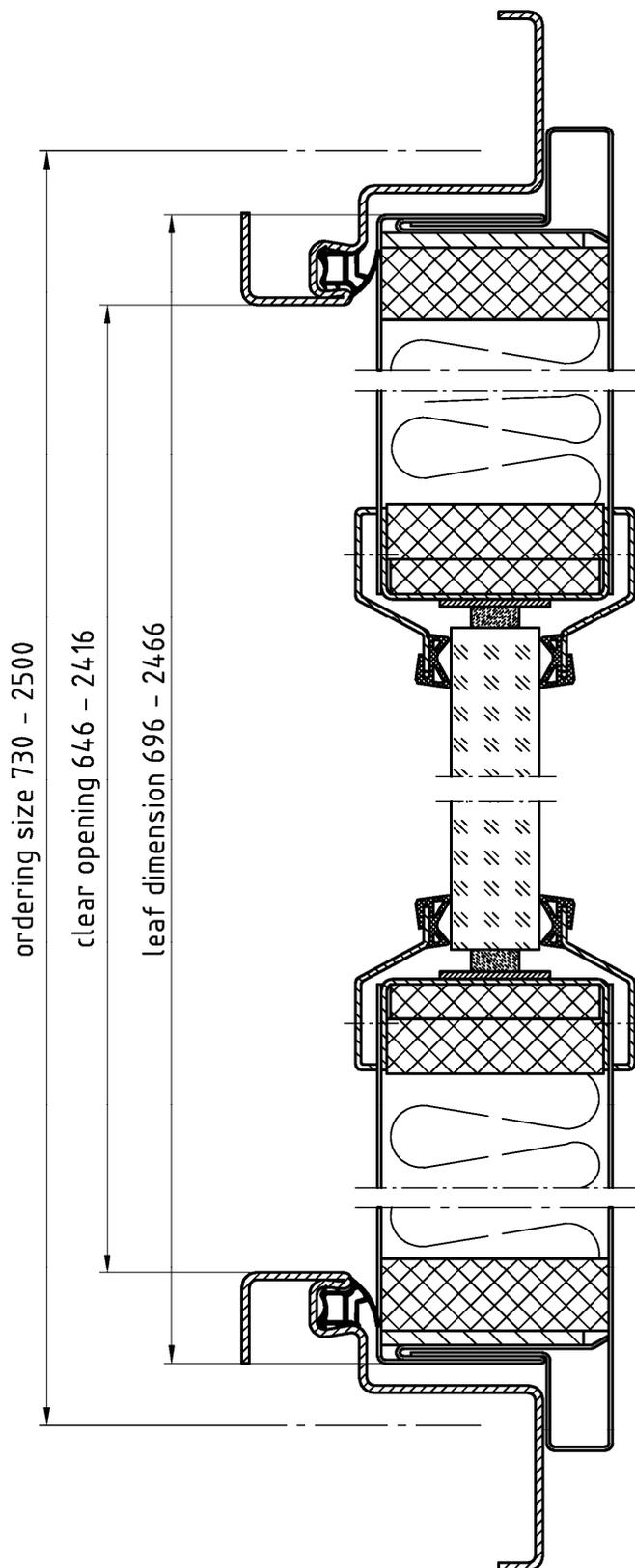
Annex A11



"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section overpanel – double leaf doorset

Annex A12

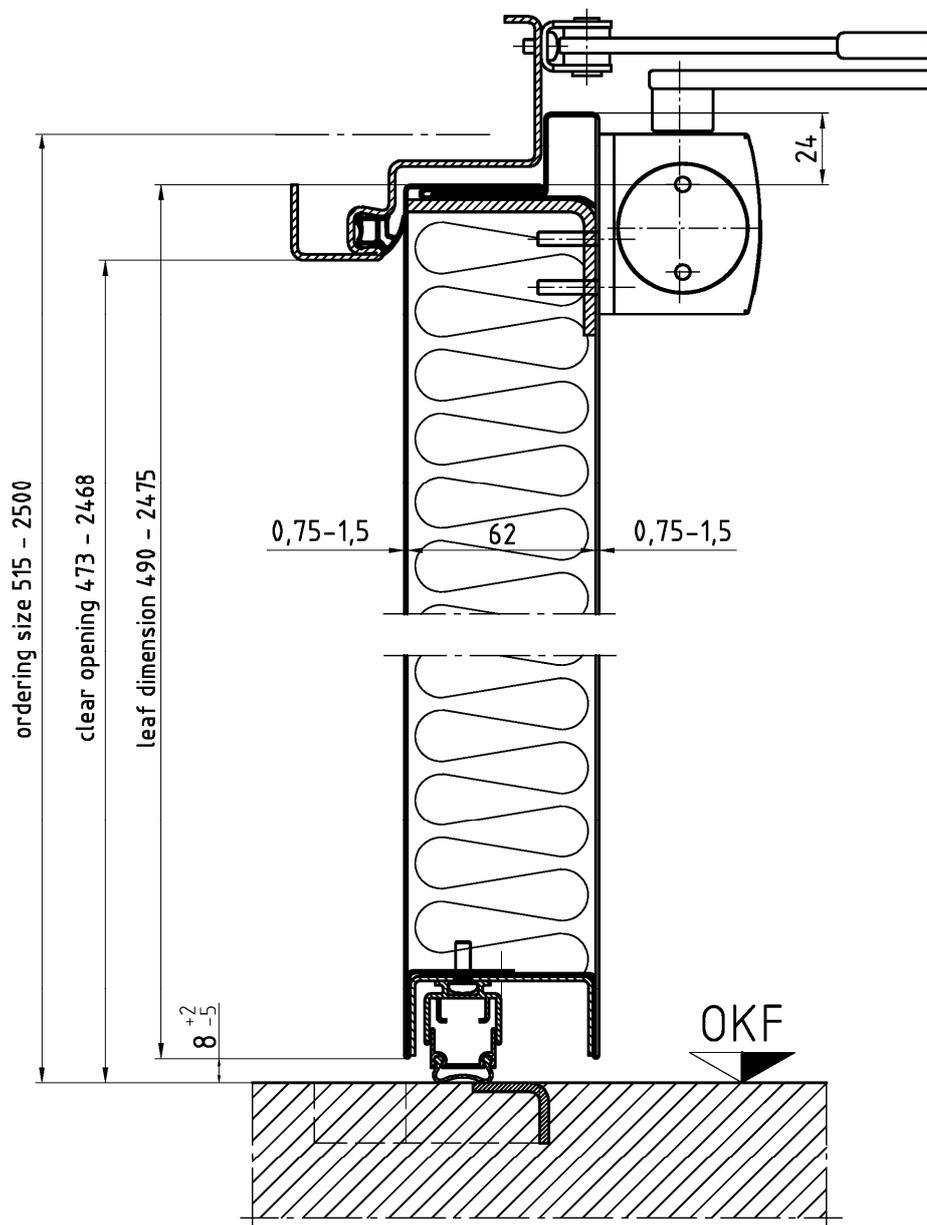


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section overpanel – double leaf doorset

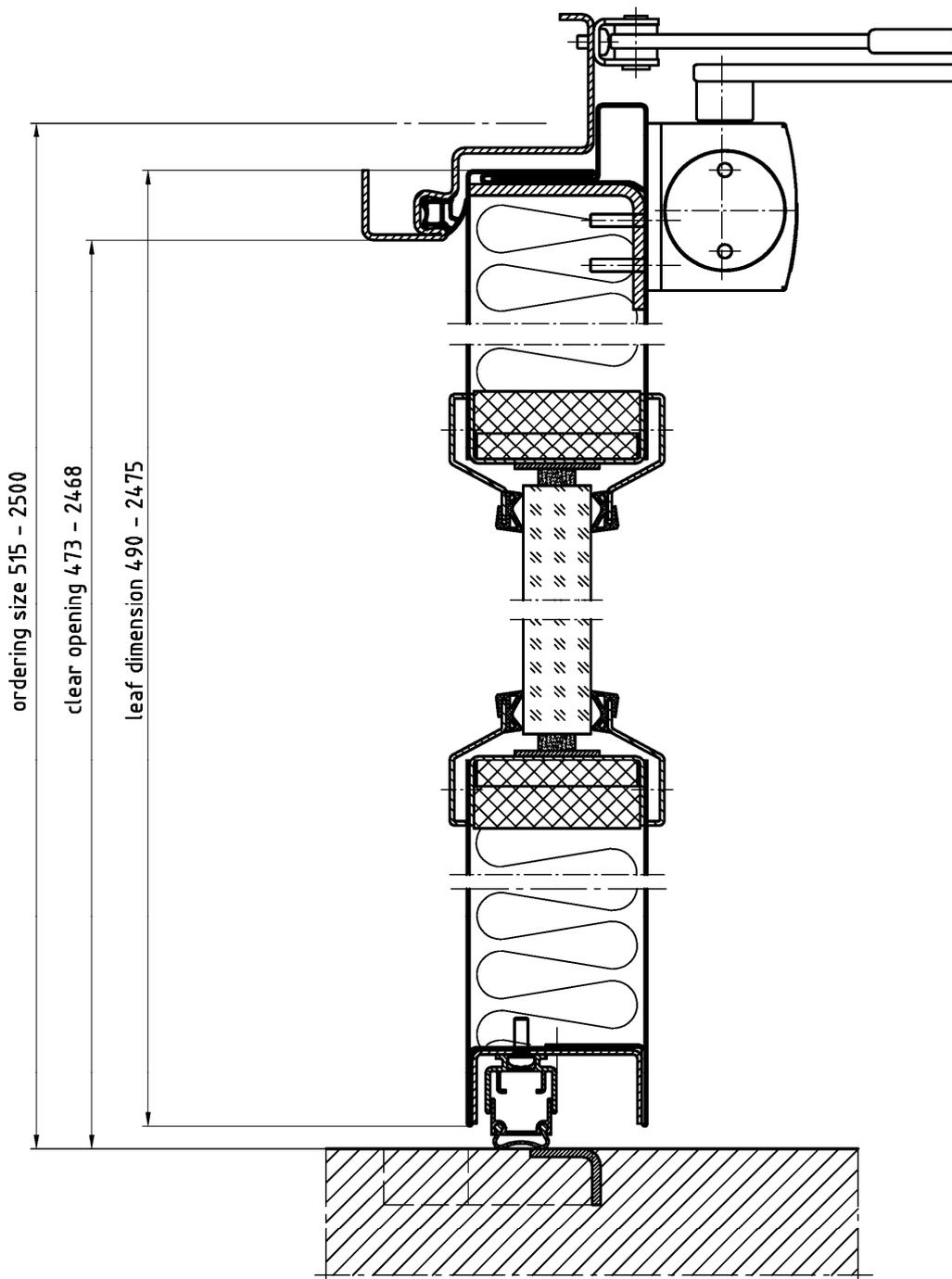
Annex A13



"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Vertical section – single and double leaf doorset

Annex A14

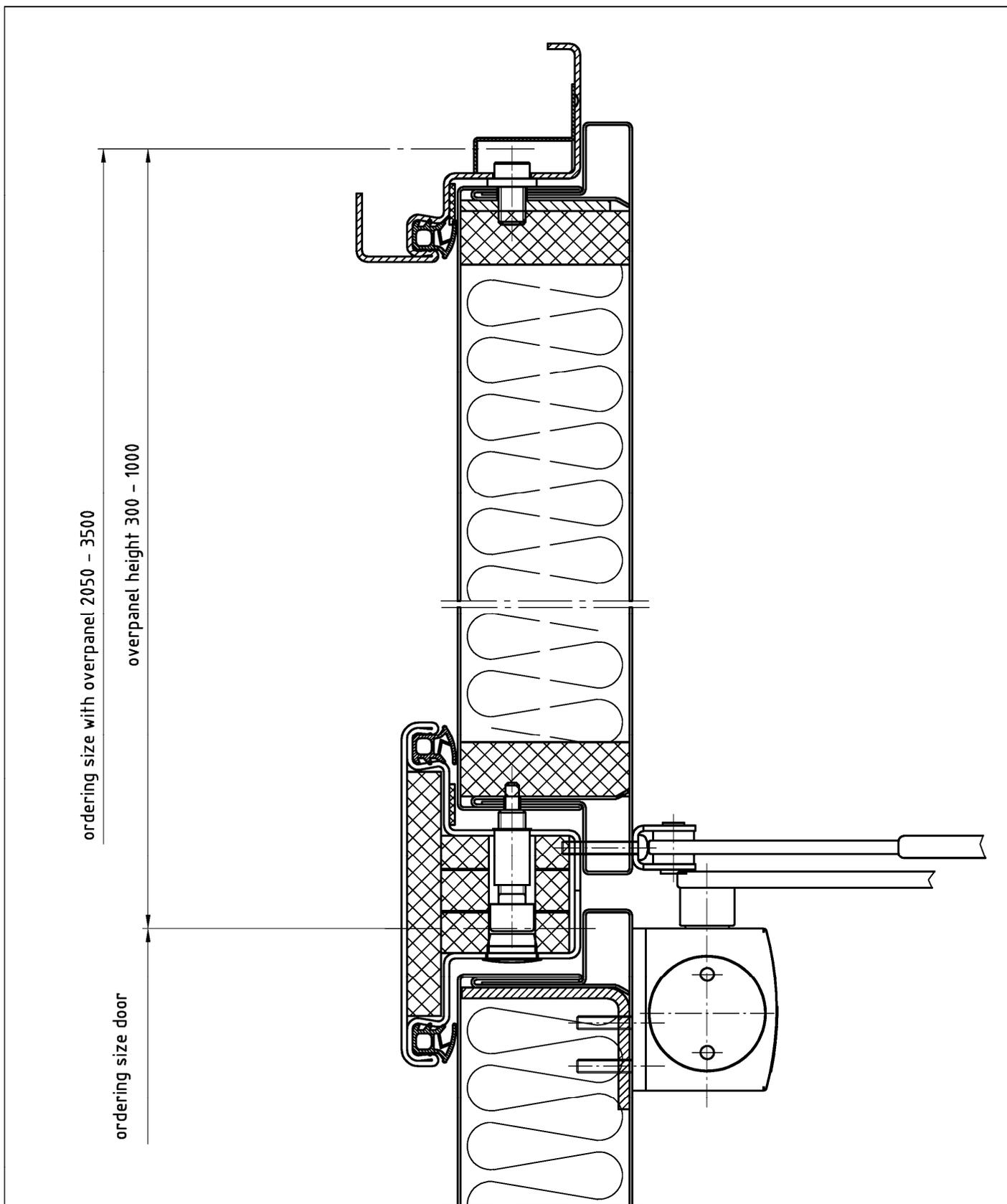


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"NovoPorta Premio"

El2 30-S<sub>a</sub> C5 and El2 30-S<sub>200</sub> C5  
Vertical section – single and double leaf doorset

Annex A15

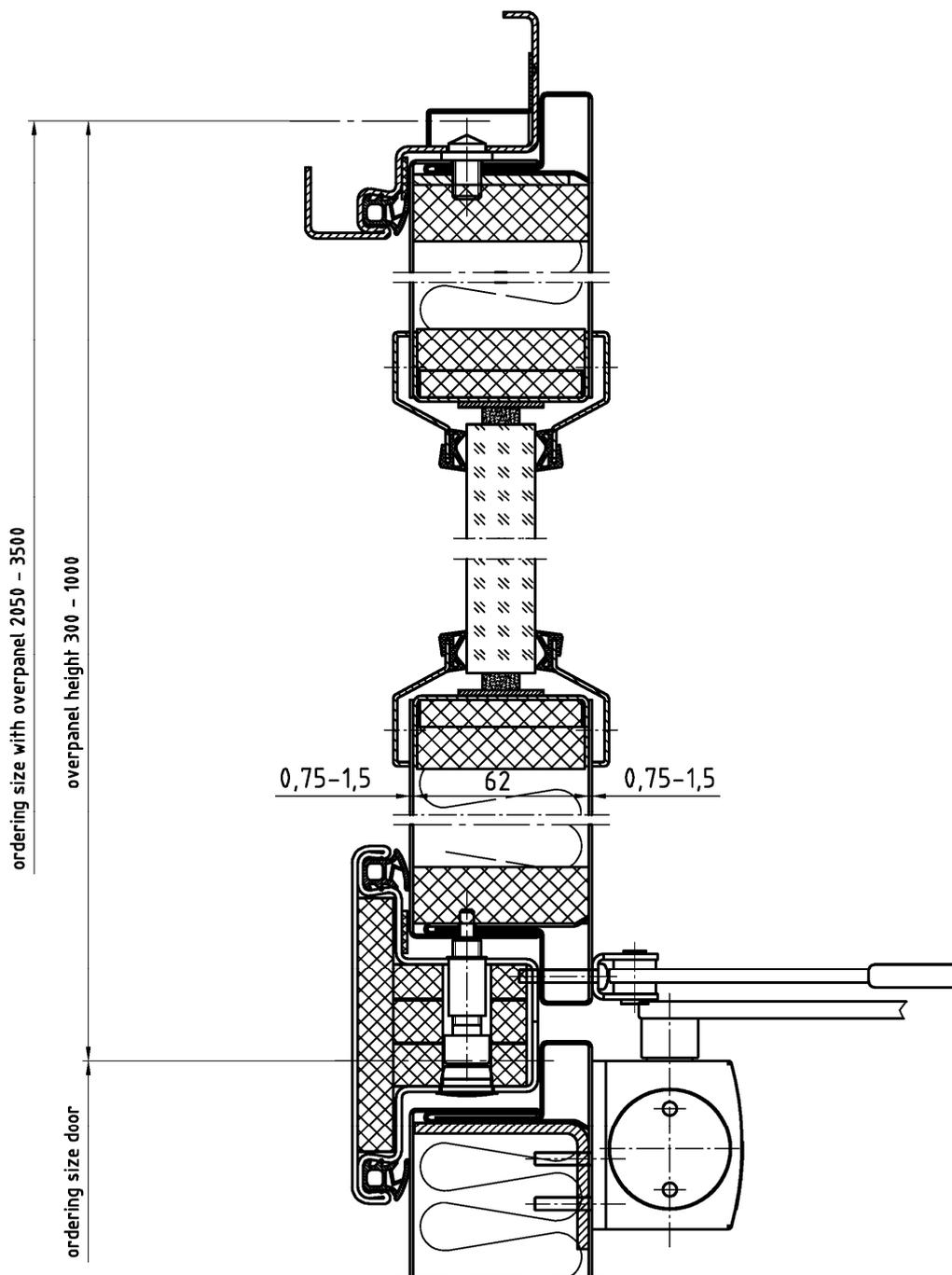


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Vertical section overpanel – single and double leaf doorset

Annex A16



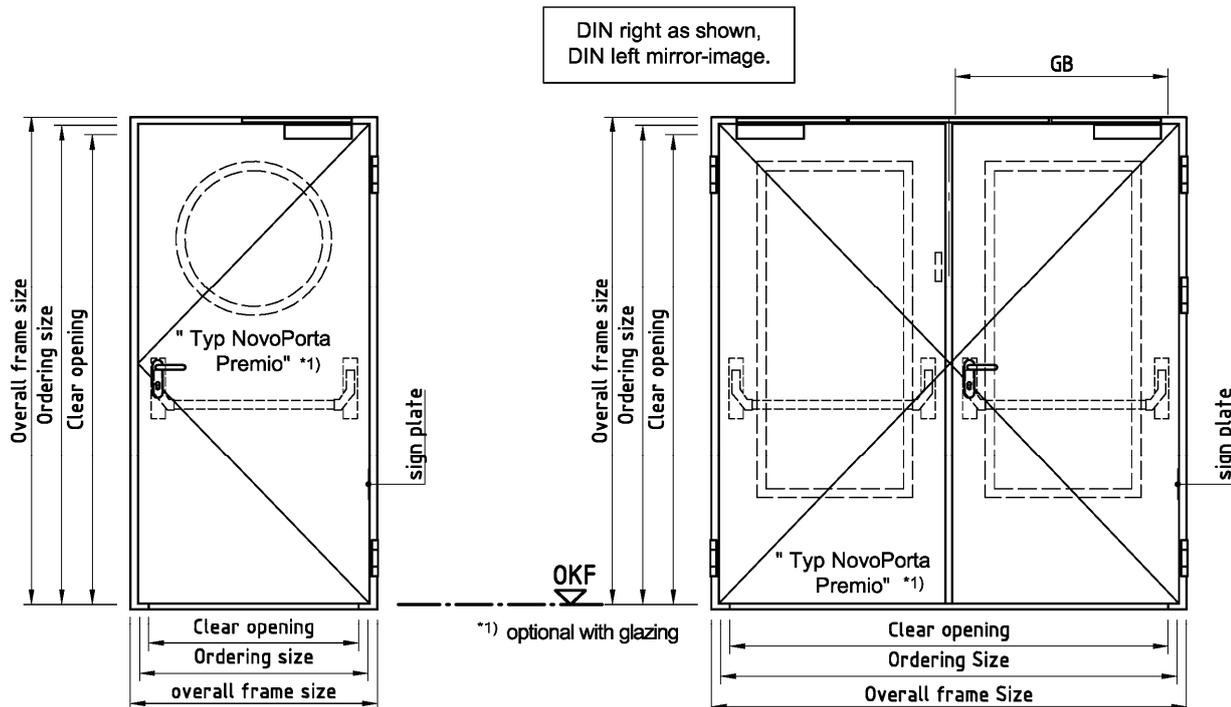
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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Vertical section overpanel – single and double leaf doorset

Annex A17

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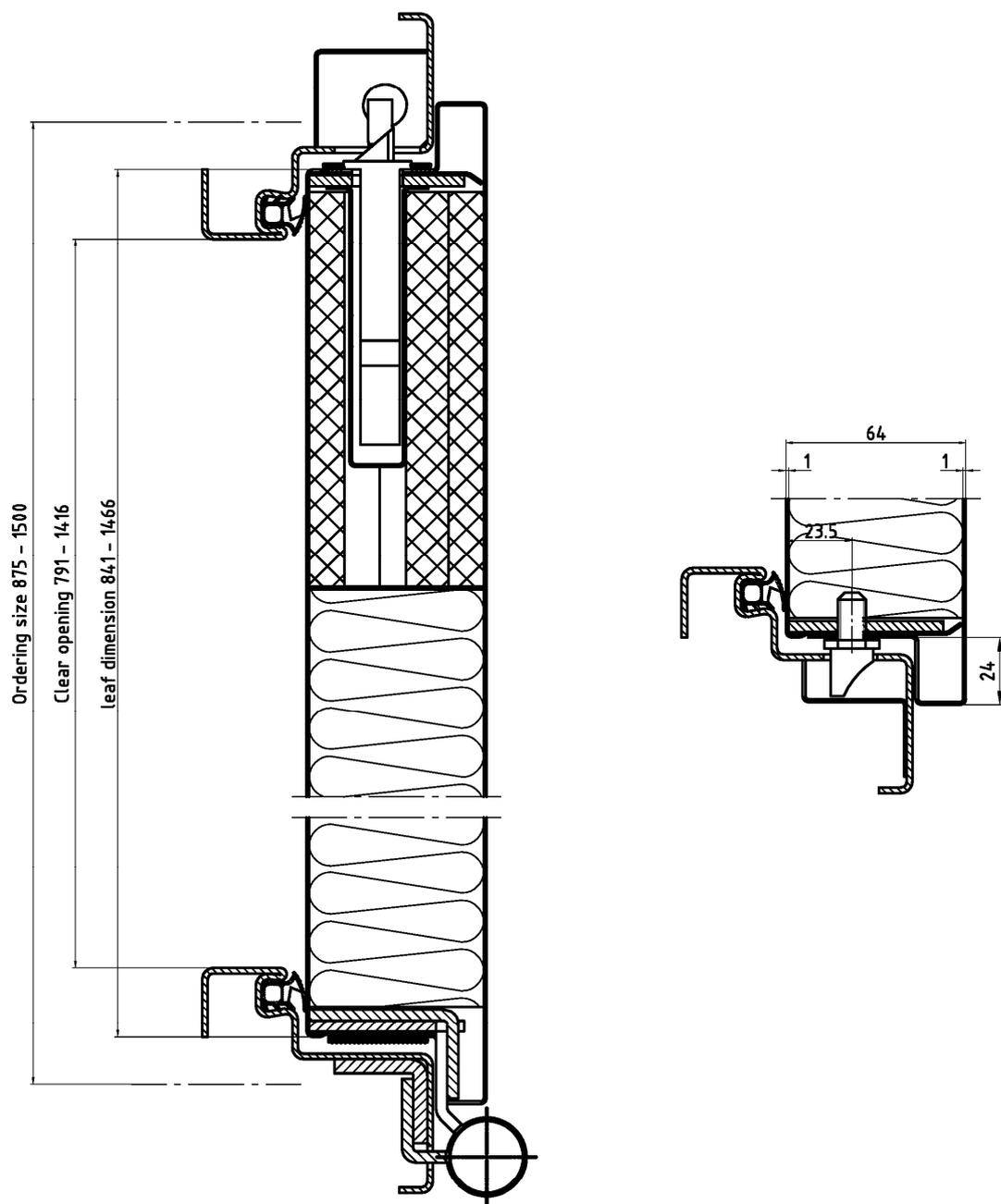
Alle Maße in mm

Notation, designvariants		Dimensions	Ordering size		Overall frame size		Clear opening		clear opening size active leaf
			Breite B von / bis	Höhe H von / bis	Breite B von / bis	Höhe H von / bis	Breite B von / bis	Höhe H von / bis	
Typ NovoPorta Premio	Single leaf door		875 - 1500	2000 - 3000	953 - 1578 (1678)	2039 - 3039 (3089)	791 - 1416	1958 - 2958	--
Typ NovoPorta Premio	double leaf door		1500 - 3000	2000 - 3000	1578 - 3078 (3178)	2039 - 3039 (3089)	1416 - 2916	1958 - 2958	GB 689 - 1439

"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Summery

Annex A18

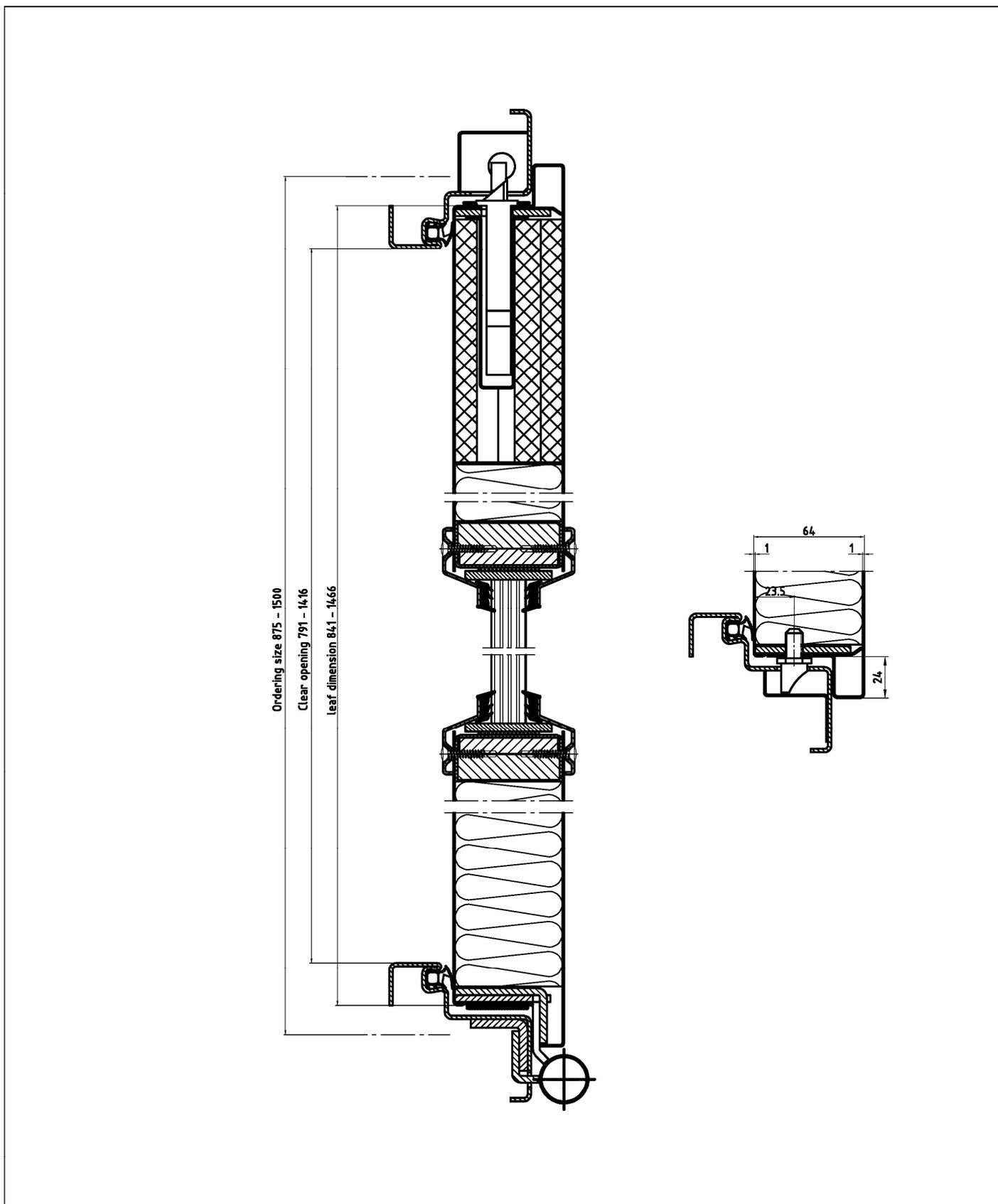


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – single leaf doorset

Annex A19

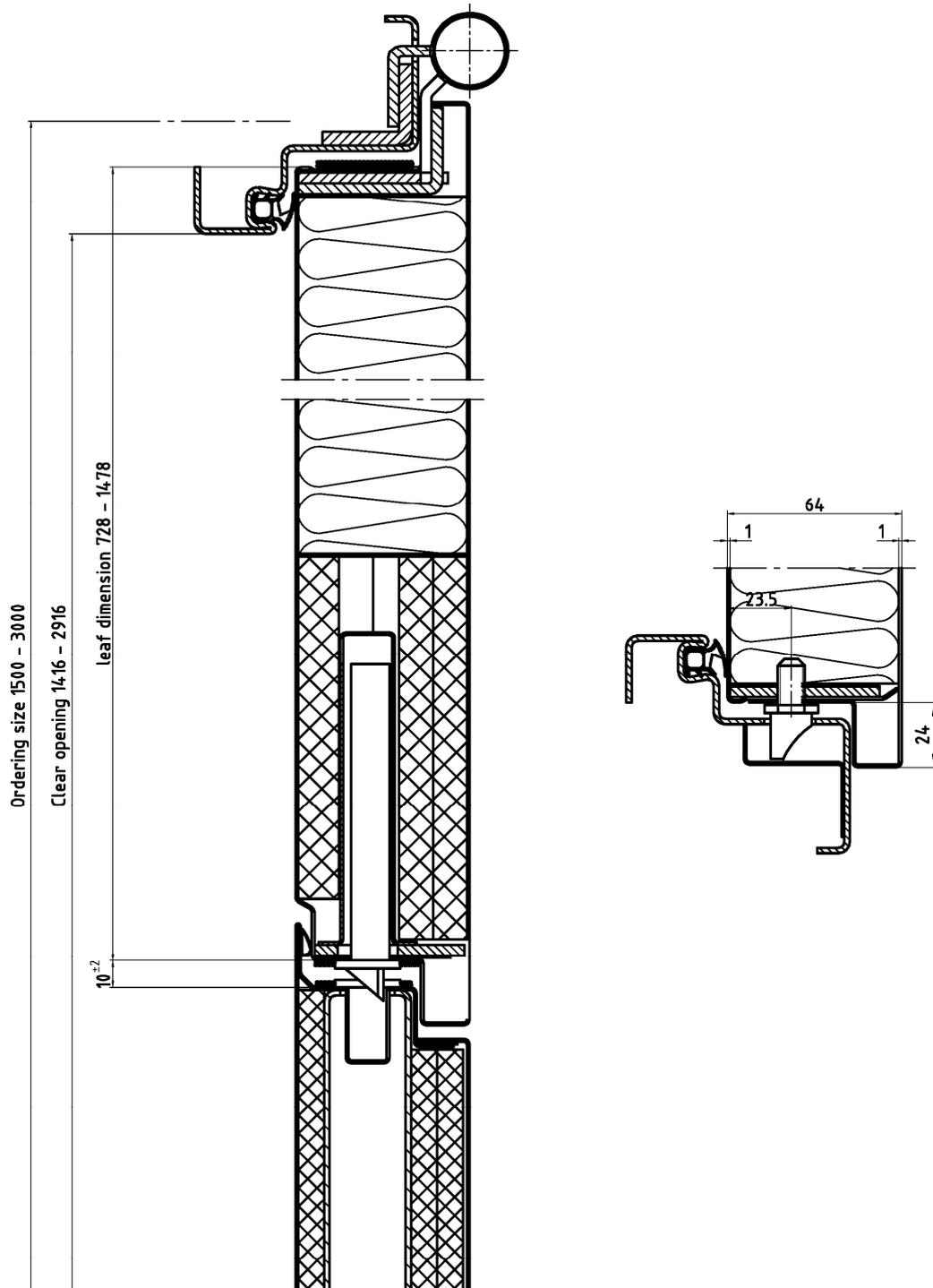


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – single leaf doorset

Annex A20

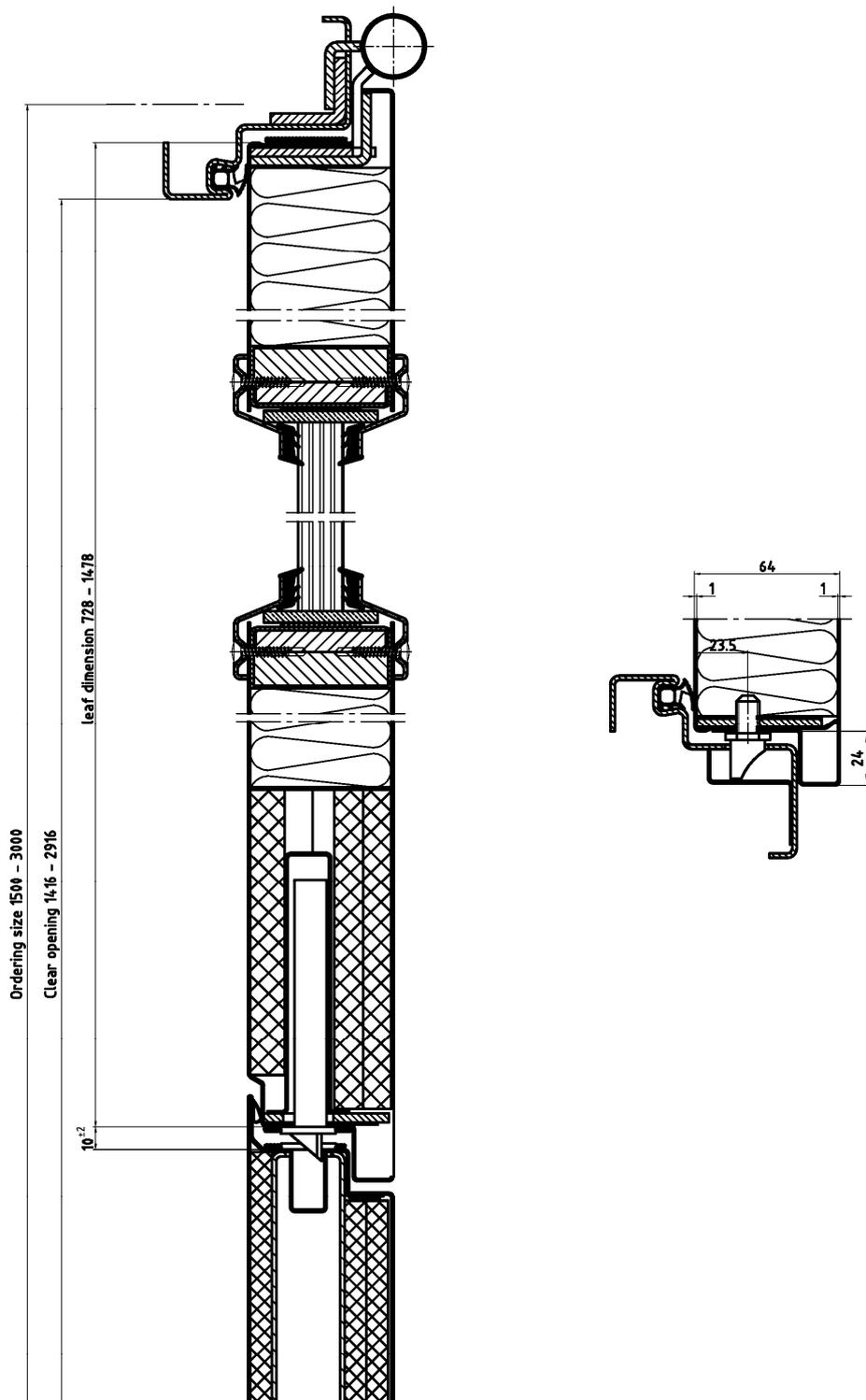


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – double leaf doorset

Annex A21

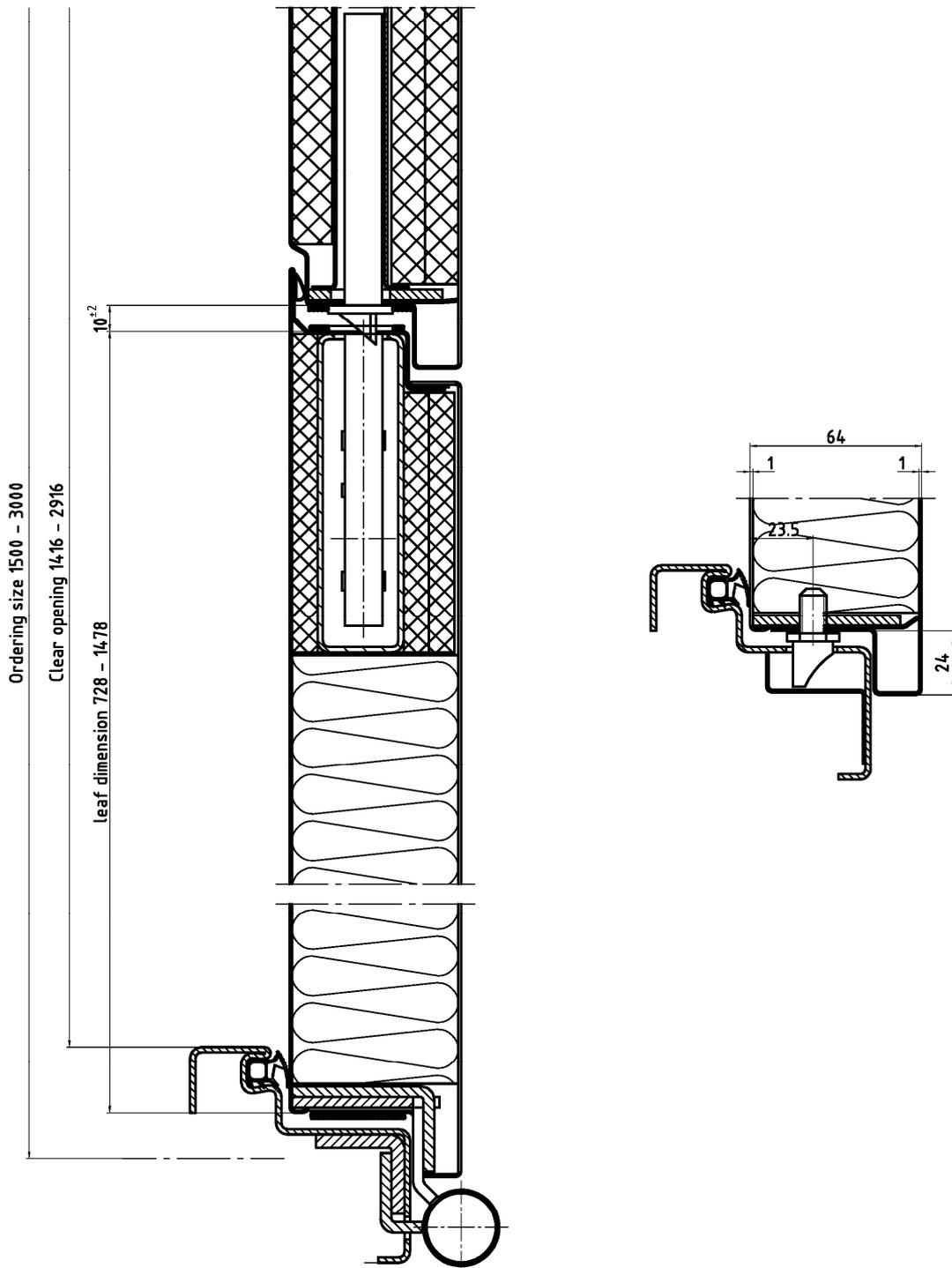


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – double leaf doorset

Annex A22

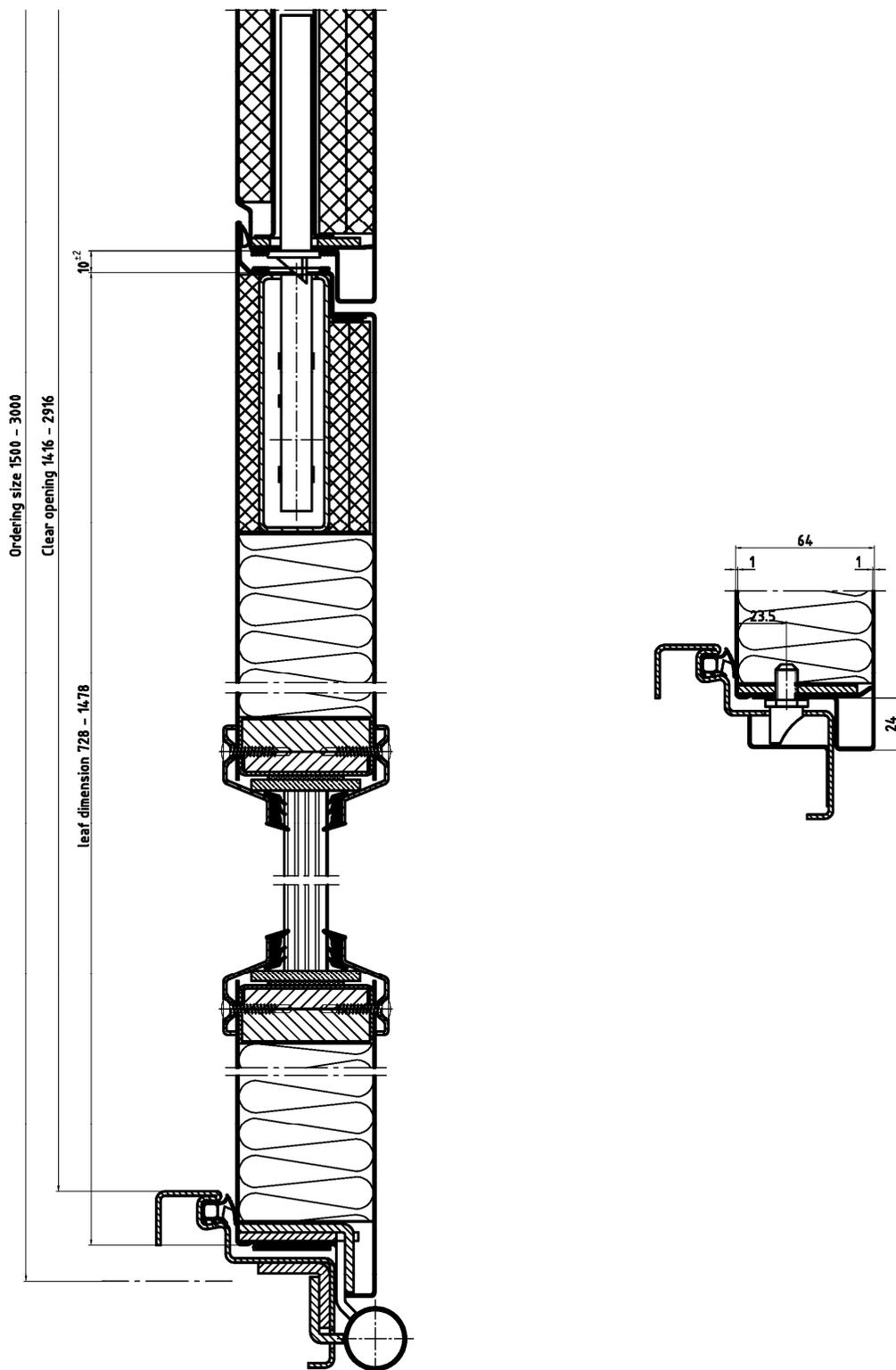


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Horizontal section – double leaf doorset

Annex A23

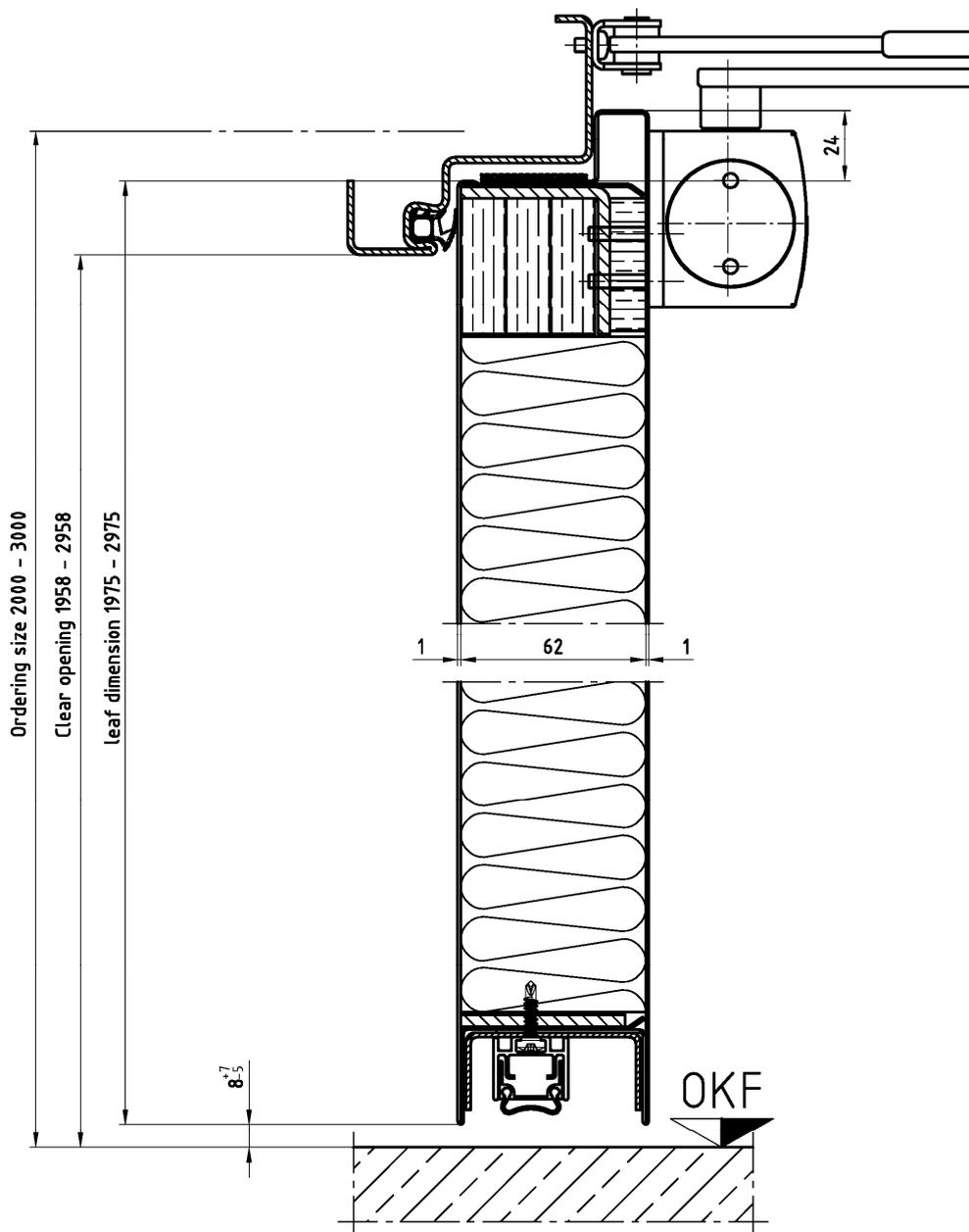


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
 Horizontal section – double leaf doorset

Annex A24

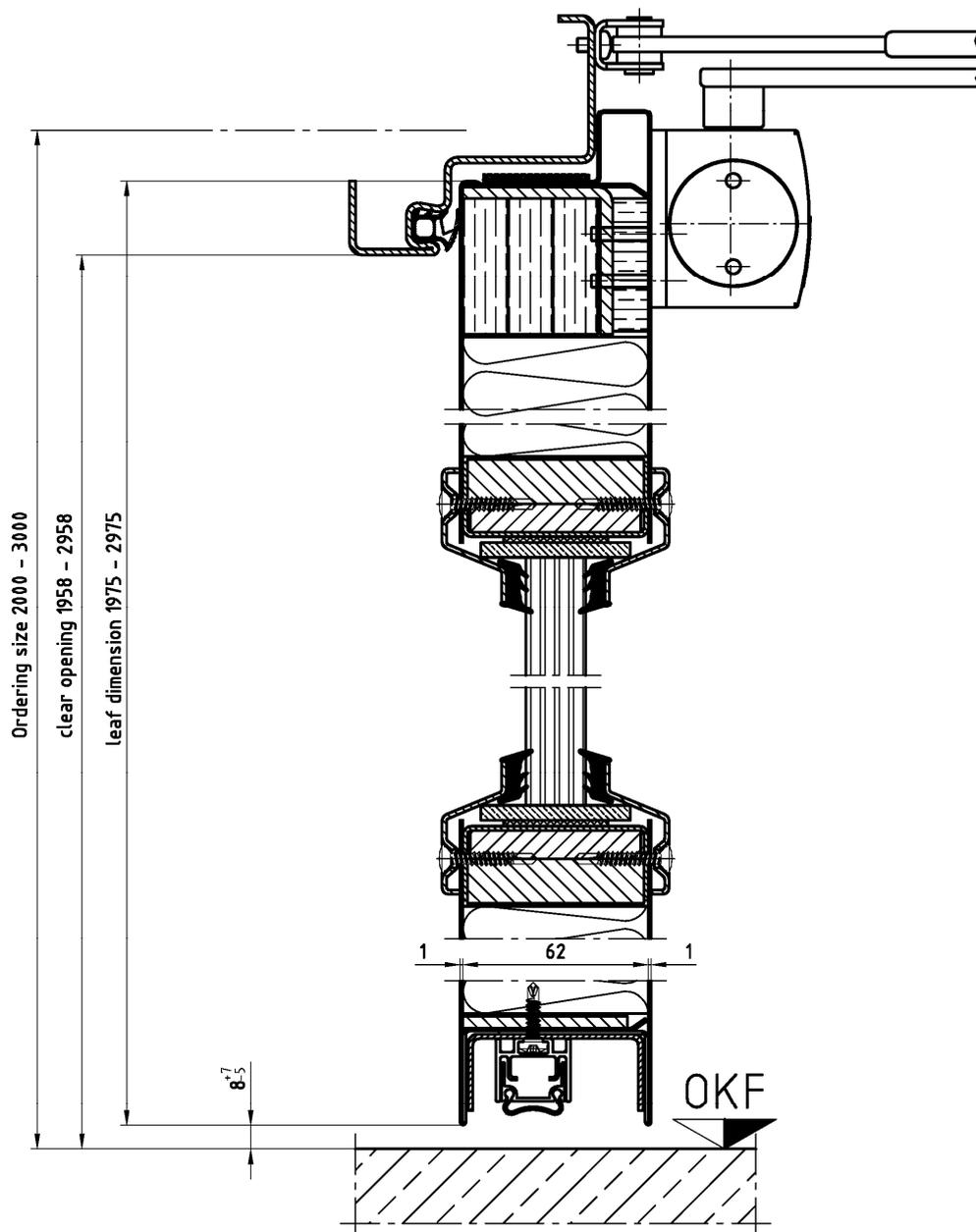


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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Vertical section – single and double leaf doorset

Annex A25



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"NovoPorta Premio"

El2 30-Sa C5 and El2 30-S200 C5  
Vertical section – single and double leaf doorset

Annex A26

## "NovoPorta Premio"

## Annex B1

**El<sub>2</sub> 60-C5 S<sub>a</sub> and El<sub>2</sub> 60-C5 S<sub>200</sub>**  
**El<sub>1</sub> 60-C5 S<sub>a</sub> and El<sub>1</sub> 60-C5 S<sub>200</sub>**

Annex B contains internal single or double leaf doorsets (pivot doorsets) "NovoPorta Premio" with the classification El<sub>2</sub> 60-C5 S<sub>a</sub> and El<sub>2</sub> 60-C5 S<sub>200</sub> plus El<sub>1</sub> 60-C5 S<sub>a</sub> and El<sub>1</sub> 60-C5 S<sub>200</sub>.

The fire resisting and/or smoke control doorsets are made of steel plates and fire-resistant inlays with building hardware. They may be designed with or without any vision panel(s) in the doorsets leaf or leave(s).

Fire resisting doorsets are made with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets.

Fire resisting and/or smoke control doorsets are made with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets in conjunction with a soil liner (for smoke control).

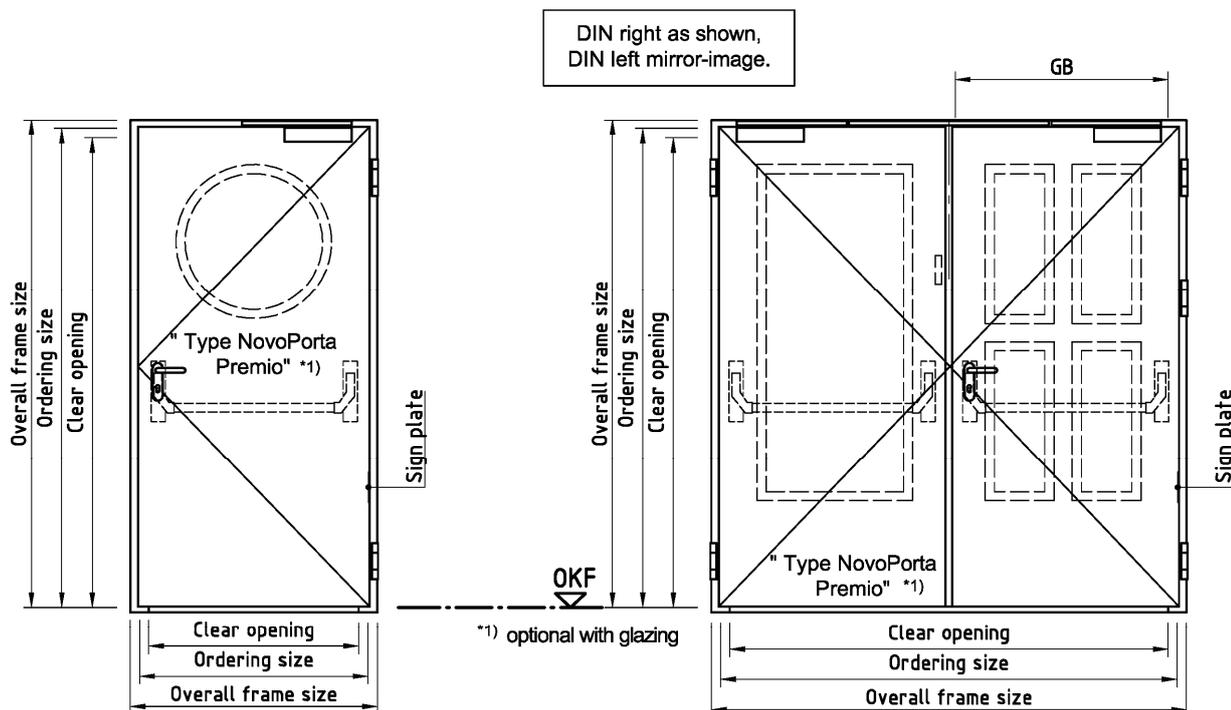
The system setup of the product is given in Annexes B2 to B15.

The single and double leaf products "NovoPorta Premio" with the classification El<sub>2</sub> 60-C5 S<sub>a</sub> and El<sub>2</sub> 60-C5 S<sub>200</sub> are proved as internal fire resisting and/or smoke control single and double leaf doorsets in internal walls/on internal components:

- ≥ 115 mm high density solid wall of masonry with an overall density of ≥ 850 kg/m<sup>3</sup>, or
- ≥ 100 mm solid wall of concrete masonry with an overall density ≥ 850 kg/m<sup>3</sup>, or
- ≥ 150 mm low density solid wall of aerated concrete with an overall density of ≥ 650 ± 200 kg/m<sup>3</sup>, or
- ≥ 100 mm fire resistant light weight plasterboard faced steel stud partition (EI 60), or
- ≥ 100 mm fire resistant steel column or -beam (EI 60).

The single leaf products "NovoPorta Premio" with the classification El<sub>1</sub> 60-C5 S<sub>a</sub> and El<sub>1</sub> 60-C5 S<sub>200</sub> are proved as internal fire resisting and/or smoke control single and double leaf doorsets in internal walls/on internal components:

- ≥ 115 mm high density solid wall of masonry with an overall density of ≥ 850 kg/m<sup>3</sup>, or
- ≥ 100 mm solid wall of concrete masonry with an overall density ≥ 850 kg/m<sup>3</sup>, or
- ≥ 150 mm low density solid wall of aerated concrete with an overall density of ≥ 650 ± 200 kg/m<sup>3</sup>.



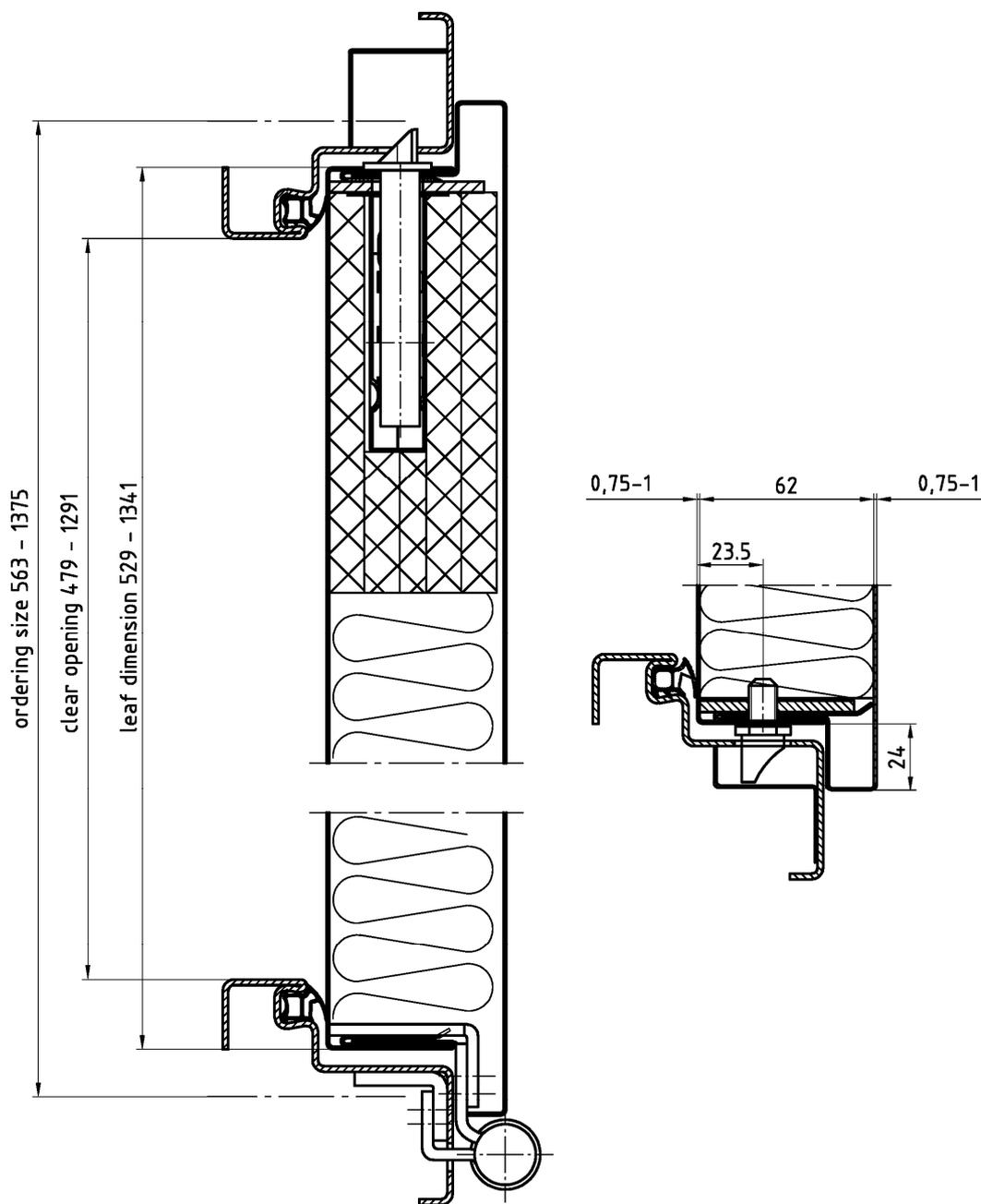
All dimensions in mm

Notation, design variants		Dimensions	Ordering size		Overall frame size		Clear opening		Clear opening size active leaf
			width from / till	height from / till	width from / till	height from / till	width from / till	height from / till	
Type NovoPorta Premio	Single leaf door		563 - 1375	1594 - 2500	641 - 1453 (1553)	1633 - 2539 (2589)	479 - 1291	1552 - 2458	--
Type NovoPorta Premio	Double leaf door		1250 - 2500	1750 - 2500	1328 - 2578 (2678)	1789 - 2539 (2639)	1166 - 2416	1708 - 2458	GB 564 - 1189

"NovoPorta Premio"

El2 60-Sa C5 and El2 60-S200 C5  
Summery

Annex B2

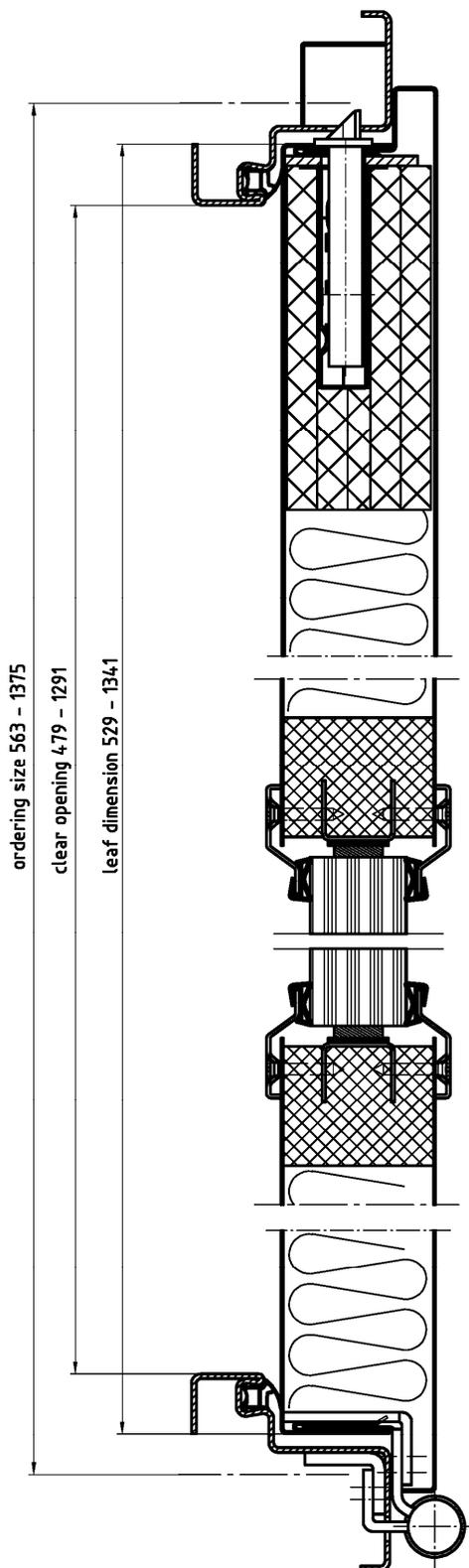


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

El2 60-Sa C5 and El2 60-S200 C5  
Horizontal section – single leaf doorset

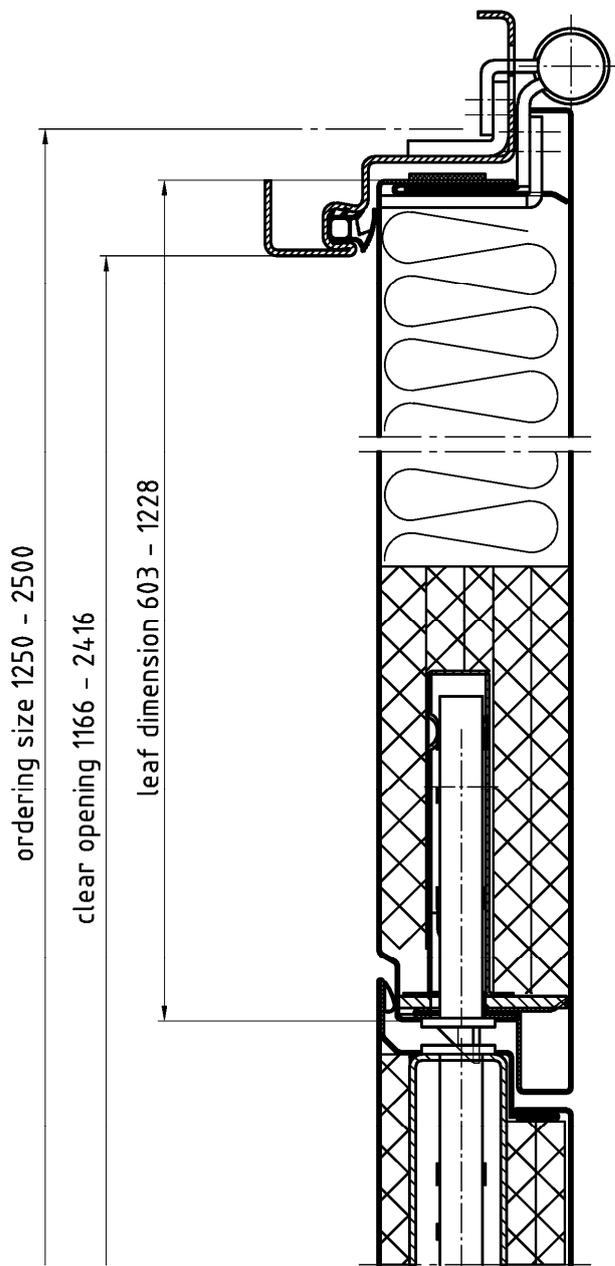
Annex B3



"NovoPorta Premio"

El2 60-Sa C5 and El2 60-S200 C5  
Horizontal section – single leaf doorset

Annex B4

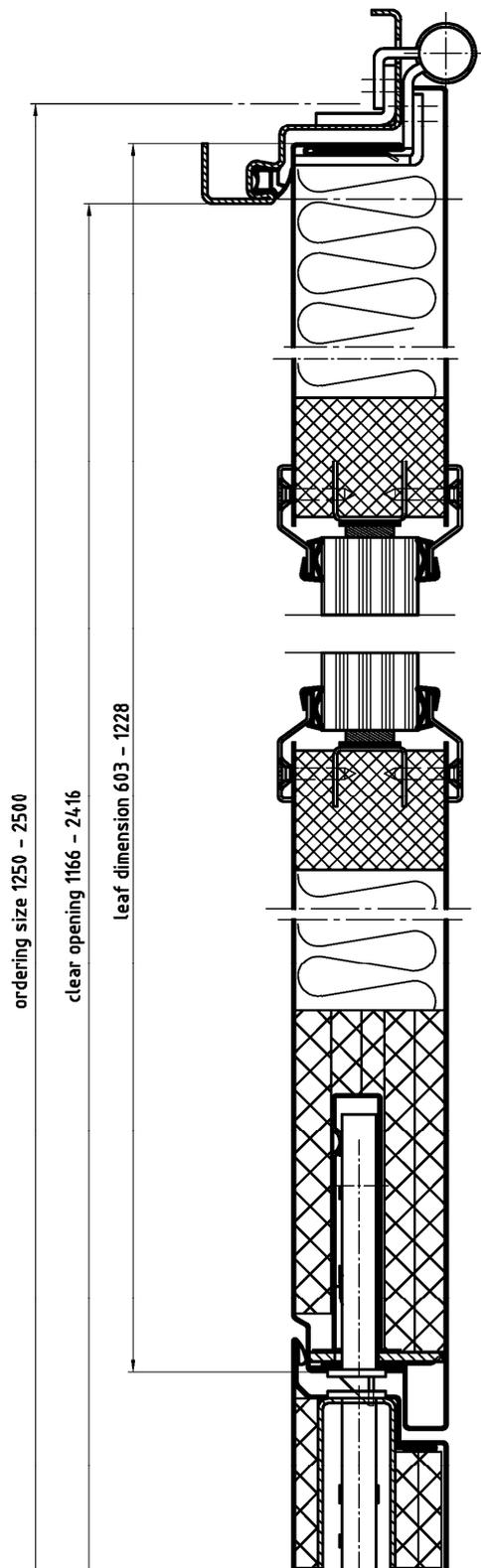


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

El<sub>2</sub> 60-S<sub>a</sub> C5 and El<sub>2</sub> 60-S<sub>200</sub> C5  
Horizontal section – double leaf doorset

Annex B5

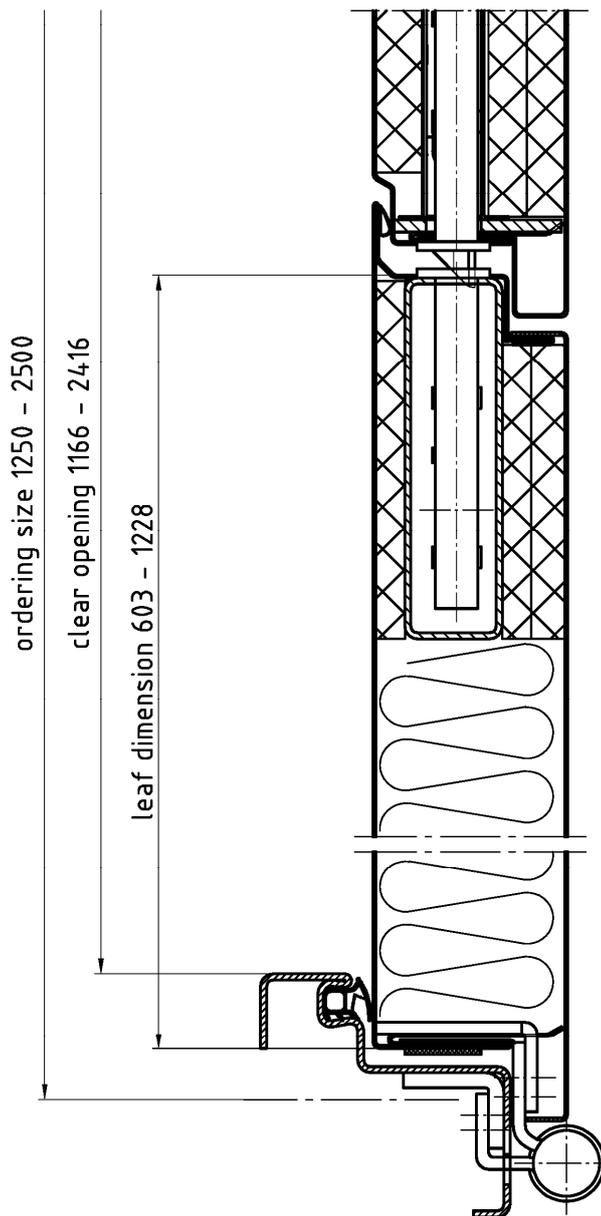


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

El<sub>2</sub> 60-S<sub>a</sub> C5 and El<sub>2</sub> 60-S<sub>200</sub> C5  
Horizontal section – double leaf doorset

Annex B6

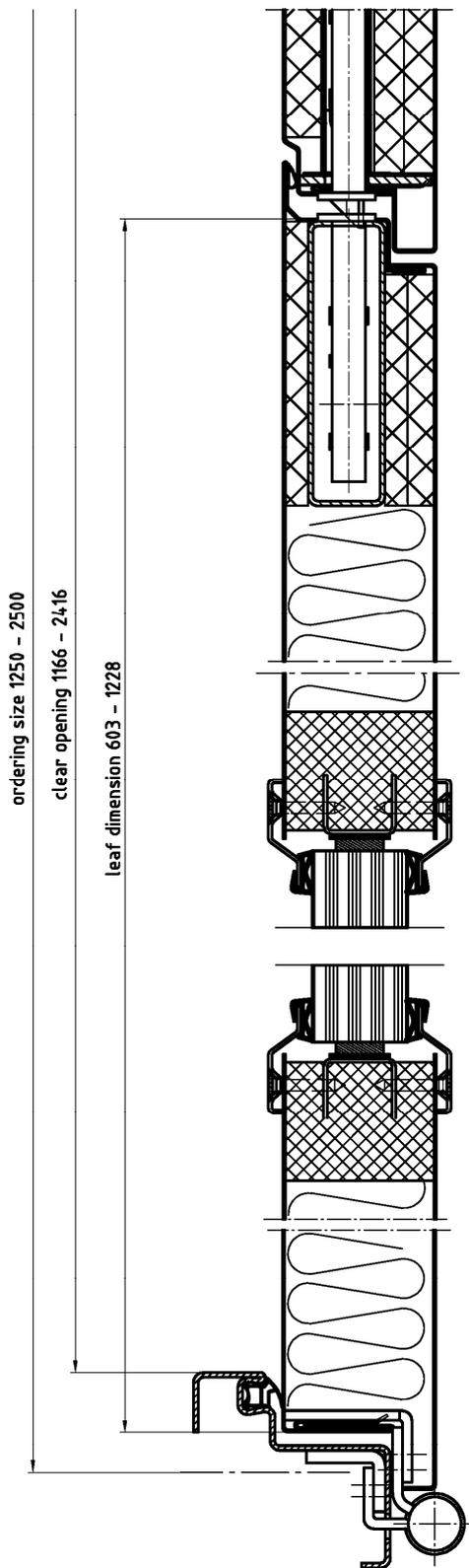


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

El2 60-Sa C5 and El2 60-S200 C5  
Horizontal section – double leaf doorset

Annex B7

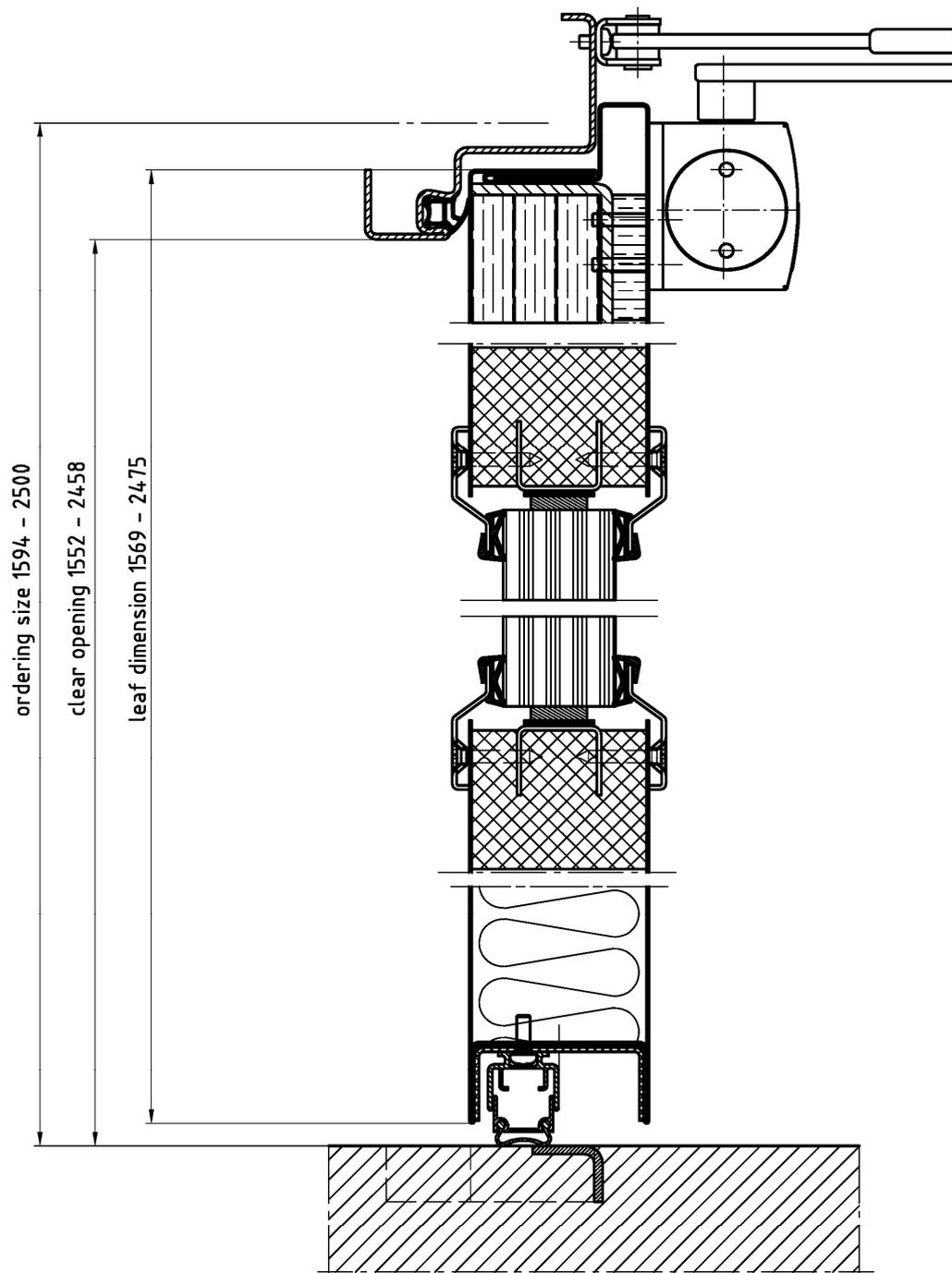


"NovoPorta Premio"

El2 60-Sa C5 and El2 60-S200 C5  
Horizontal section – double leaf doorset

Annex B8



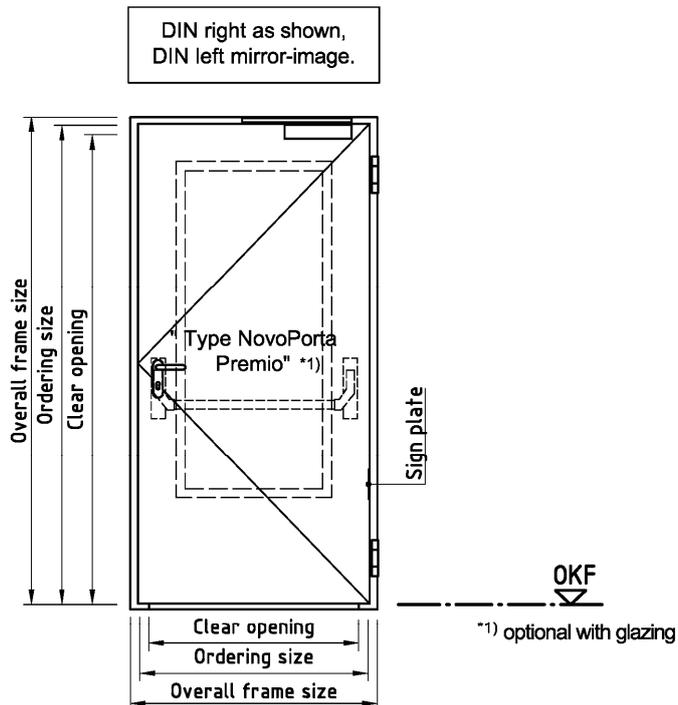


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"NovoPorta Premio"

El2 60-Sa C5 and El2 60-S200 C5  
Vertical section – single and double leaf doorset

Annex B10



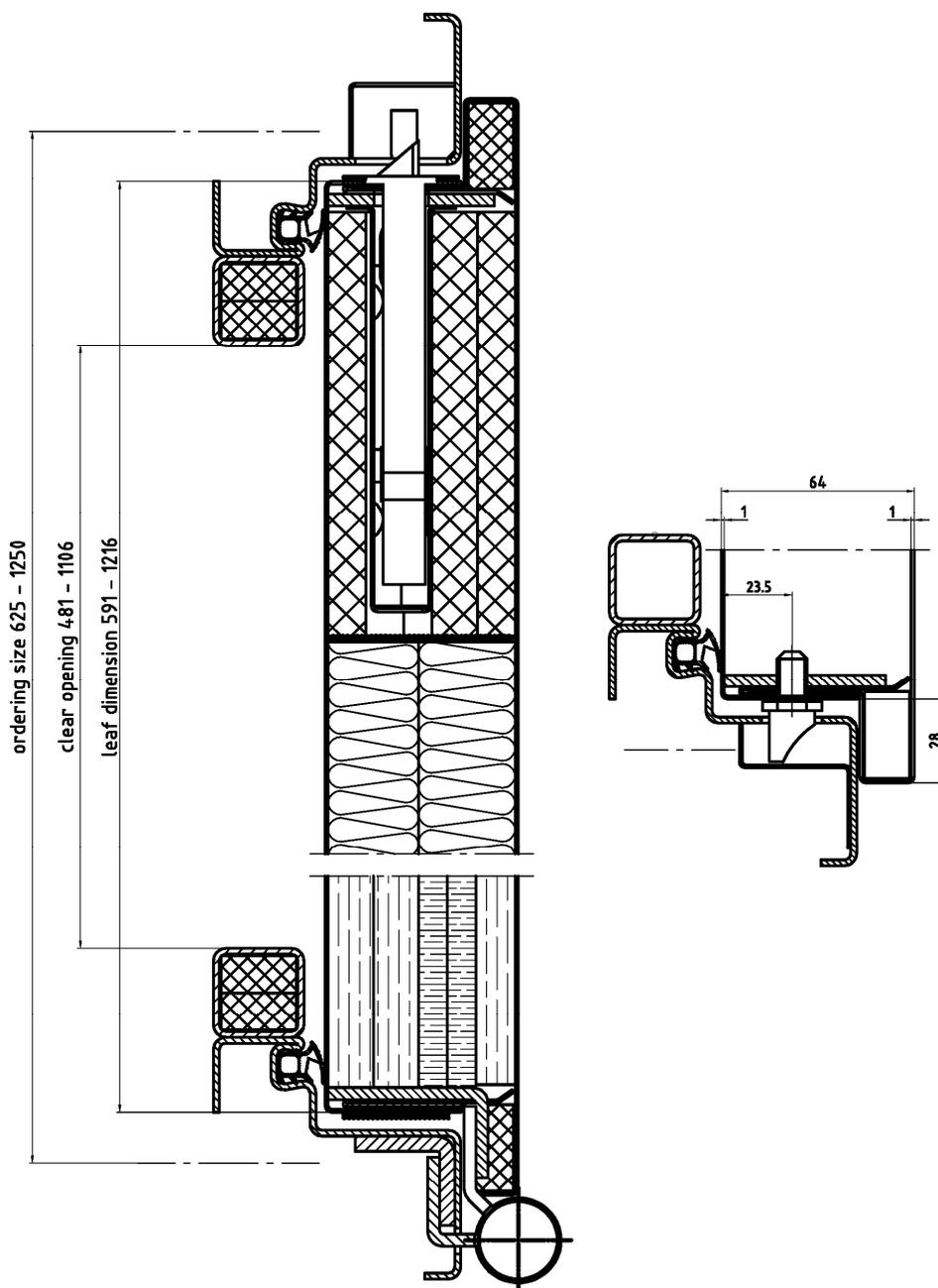
All dimensions in mm

Notation, design variants	Dimensions	Ordering size		Overall frame size		Clear opening		Clear opening size active leaf
		width from / till	height from / till	width from / till	height from / till	width from / till	height from / till	
Typ NovoPorta Premio	Single leaf door 	625 - 1250	1750 - 2500	703 - 1328 (1428)	1789 - 2539 (2589)	481 - 1106	1678 - 2428	--

"NovoPorta Premio"

El1 60-Sa C5 and El1 60-S200 C5  
Summery

Annex B11

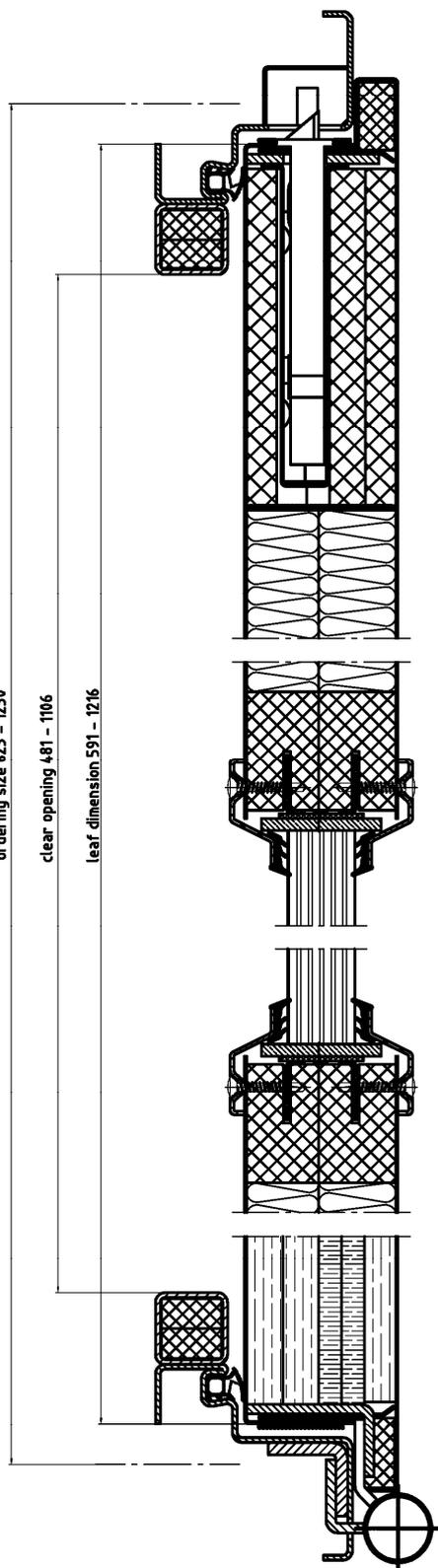


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

El1 60-Sa C5 and El1 60-S200 C5  
Horizontal section – single leaf doorset

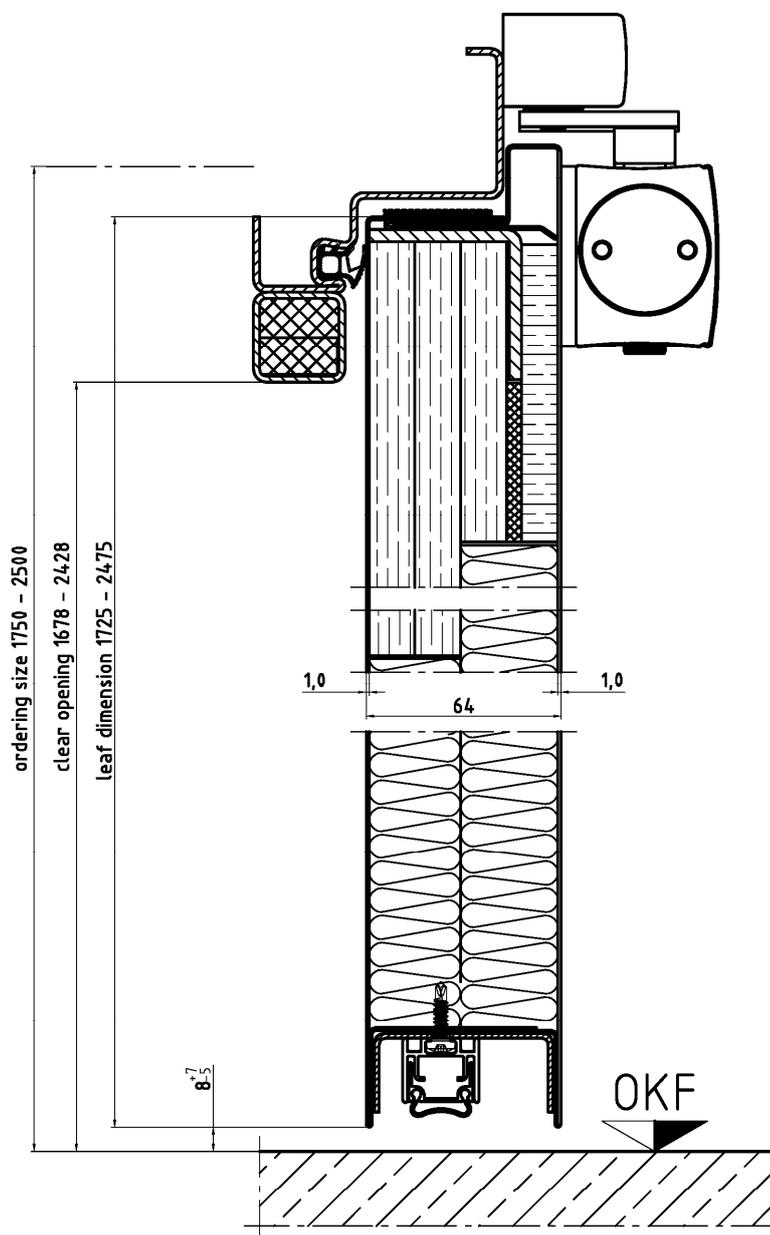
Annex B12



"NovoPorta Premio"

El<sub>1</sub> 60-S<sub>a</sub> C5 and El<sub>1</sub> 60-S<sub>200</sub> C5  
Horizontal section – single leaf doorset

Annex B13

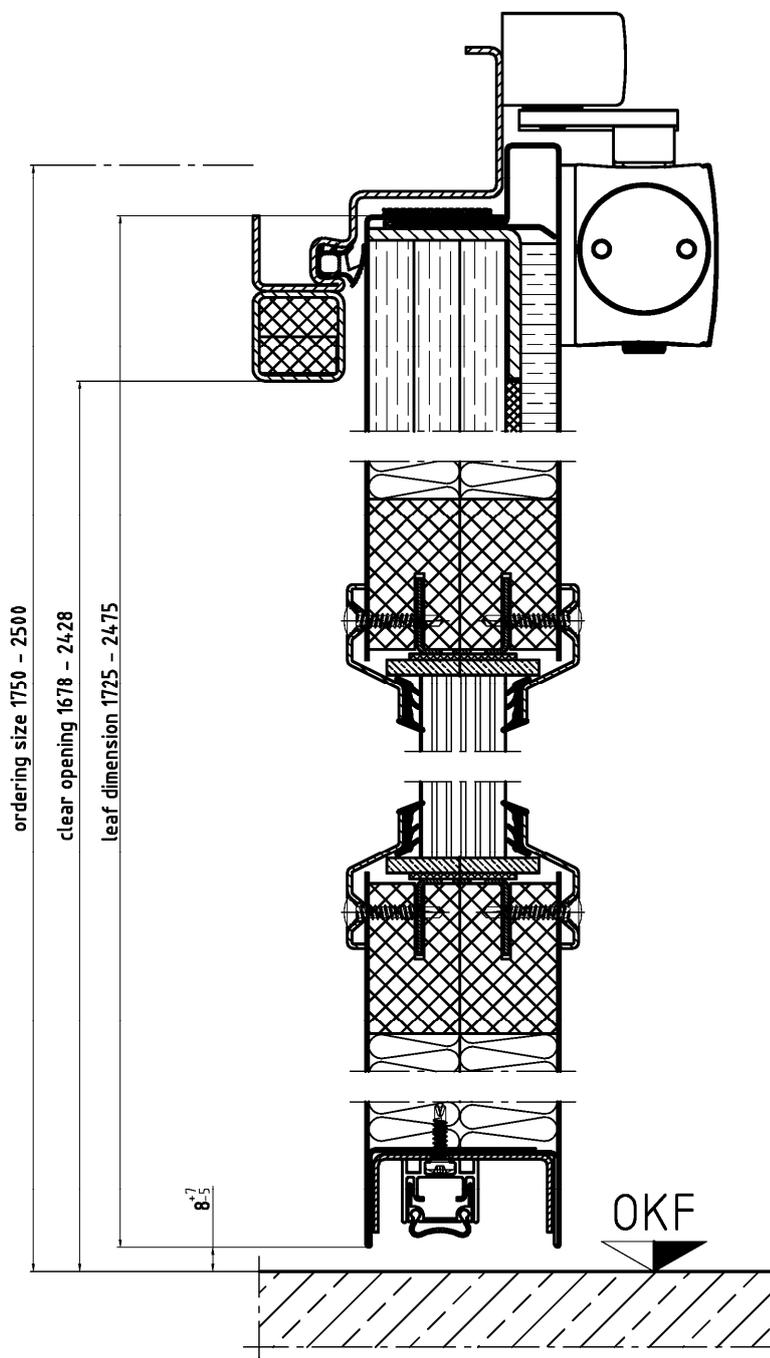


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"NovoPorta Premio"

El1 60-Sa C5 and El1 60-S200 C5  
 Verticalal section – single leaf doorset

Annex B14



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"NovoPorta Premio"

El1 60-Sa C5 and El1 60-S200 C5  
Verticalal section – single leaf doorset

Annex B15

## "NovoPorta Premio"

## Annex C1

### El<sub>2</sub> 90-S<sub>a</sub> C5 and El<sub>2</sub> 90-S<sub>200</sub> C5

Annex C contains internal single or double leaf doorsets (pivot doorsets) "NovoPorta Premio" with the classification El<sub>2</sub> 90-C5 S<sub>a</sub> and El<sub>2</sub> 90-C5 S<sub>200</sub>.

The fire resisting and/or smoke control doorsets are made of steel plates and fire-resistant inlays with building hardware. They may be designed with or without any vision panel(s) in the doorsets leaf or leave(s).

Fire resisting doorsets are made with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets.

Fire resisting and/or smoke control doorsets are made with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets in conjunction with a soil liner (for smoke control).

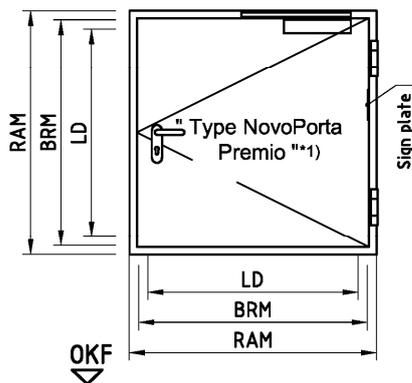
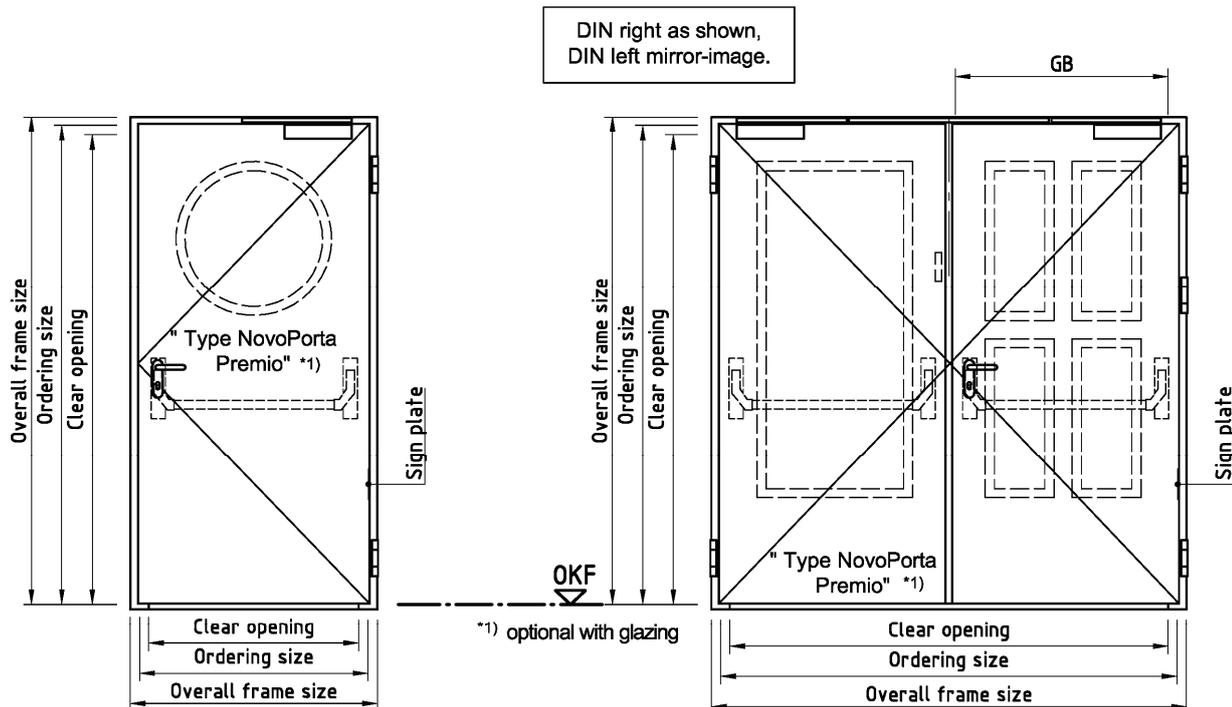
Single leaf fire resisting and/or smoke control doorsets - without flush over panel or transom panel - are verified at levels other than the floor level (i.e. at increased heights). These doorsets in the area of the frame of the leaf have to be designed with a four-sided permanently elastic seal to prevent smoke from penetrating. The lower edge of the leaf and the frame has to be designed like the upper edge if need so.

The system setup of the product is given in Annexes C2 to C10.

The products "NovoPorta Premio" are proved as internal fire resisting and/or smoke control single and double leaf doorsets in internal walls/on internal components:

- ≥ 175 mm high density solid wall of masonry with an overall density of ≥ 850 kg/m<sup>3</sup>, or
- ≥ 140 mm solid wall of concrete masonry with an overall density ≥ 850 kg/m<sup>3</sup>, or
- ≥ 175 mm low density solid wall of aerated concrete with an overall density of ≥ 650 ± 200 kg/m<sup>3</sup>, or
- ≥ 100 mm fire resistant light weight plasterboard faced steel stud partition (EI 90), or
- ≥ 100 mm fire resistant steel column or -beam (EI 90).

English translation prepared by DIBt



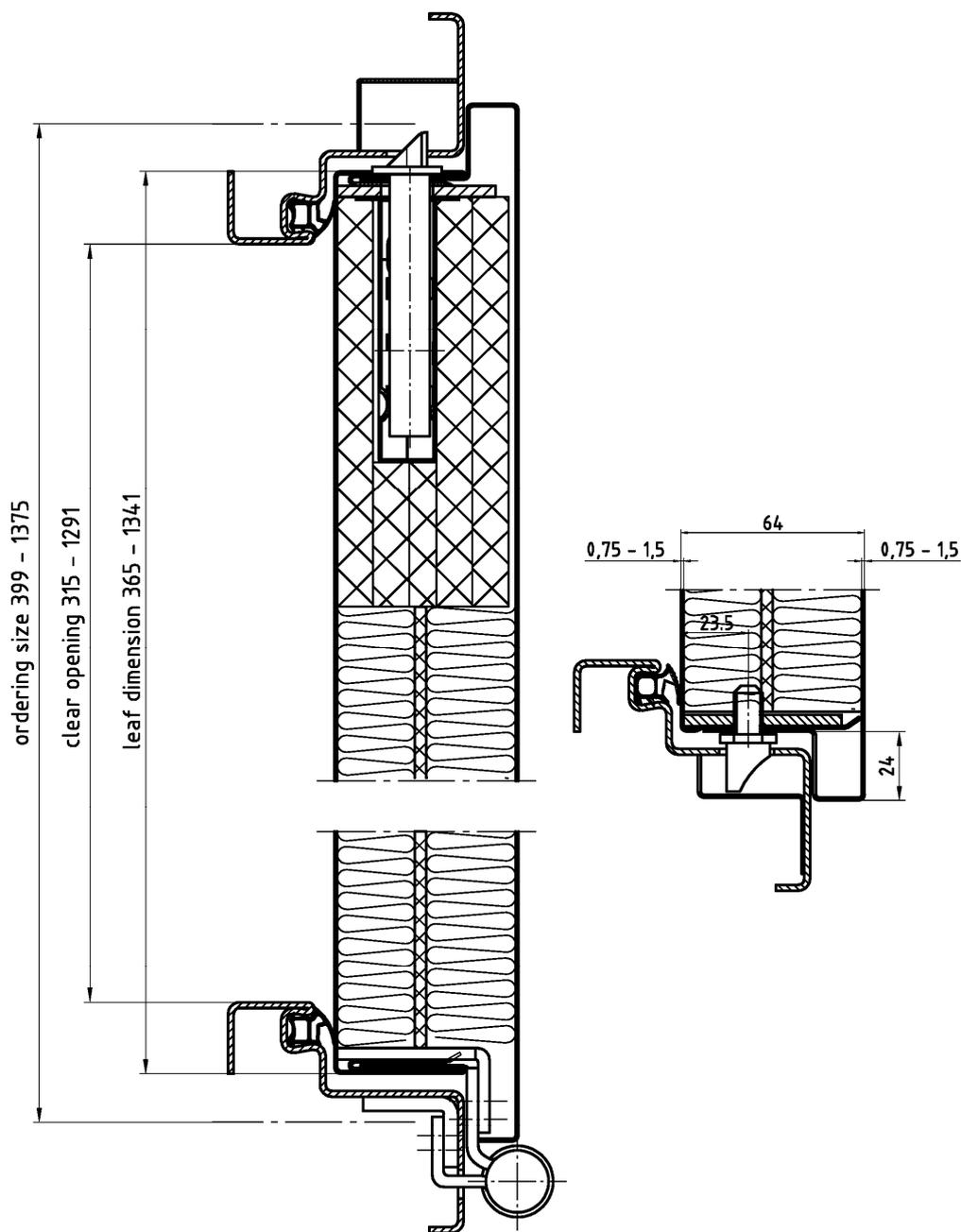
All dimensions in mm

Notation, design variants	Dimensions	Ordering size		Overall frame size		Clear opening		Clear opening size active leaf
		width from / till	height from / till	width from / till	height from / till	width from / till	height from / till	
Type NovoPorta Premio	Wall flap 	399 - 924	515 - 924	477 - 1002 (1102)	554 - 1002 (1102)	315 - 840	473 - 840	--
Type NovoPorta Premio	Single leaf door 	399 - 1375	515 - 2500	477 - 1453 (1553)	554 - 2539 (2639)	315 - 1291	473 - 2458	--
Type NovoPorta Premio	Double leaf door 	730 - 2500	1323 - 2500	808 - 2578 (2678)	1362 - 2539 (2639)	646 - 2416	1281 - 2458	GB 323 - 1189

"NovoPorta Premio"

El2 90-Sa C5 and El2 90-S200 C5  
Summery

Annex C2

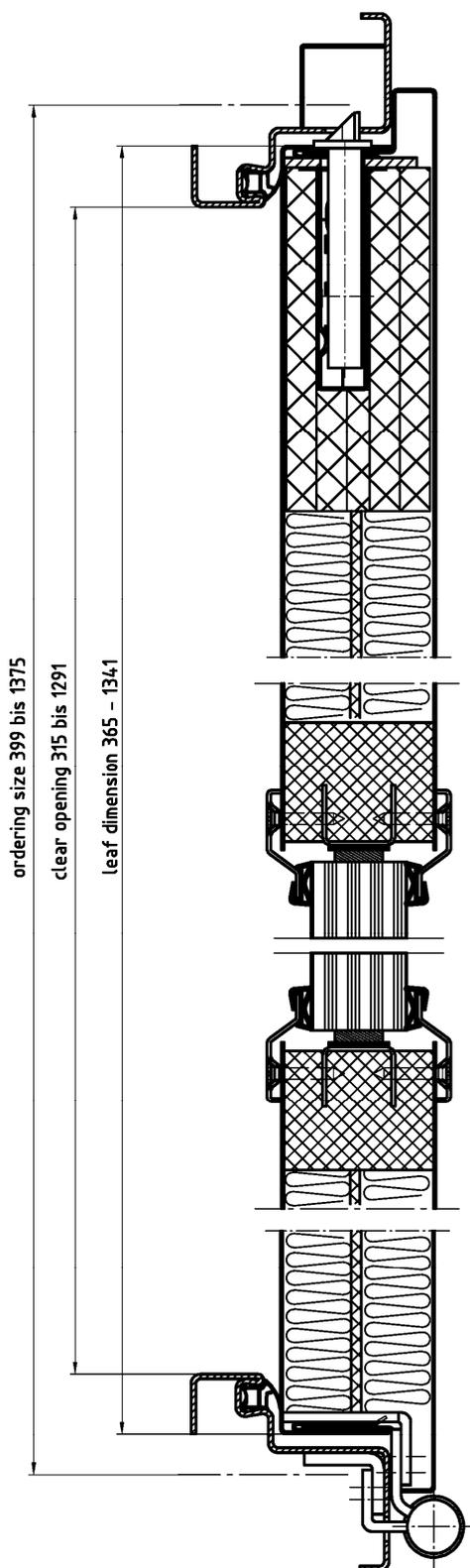


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"NovoPorta Premio"

El2 90-Sa C5 and El2 90-S200 C5  
Horizontal section – single leaf doorset

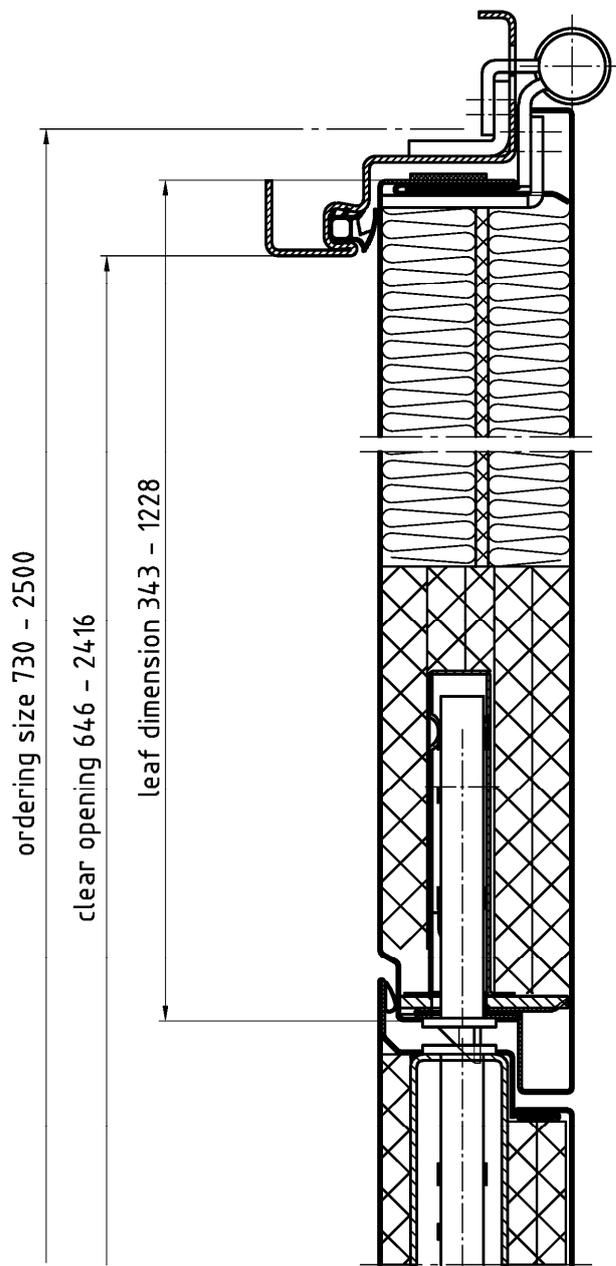
Annex C3



"NovoPorta Premio"

El2 90-Sa C5 and El2 90-S200 C5  
Horizontal section – single leaf doorset

Annex C4

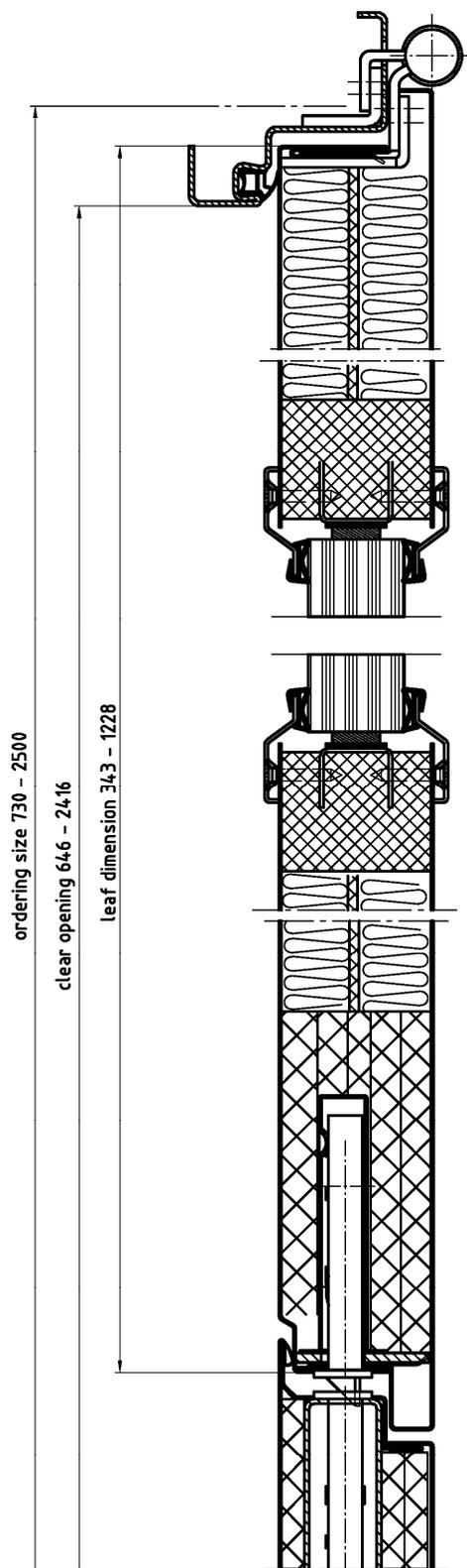


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"NovoPorta Premio"

El2 90-Sa C5 and El2 90-S200 C5  
Horizontal section – double leaf doorset

Annex C5

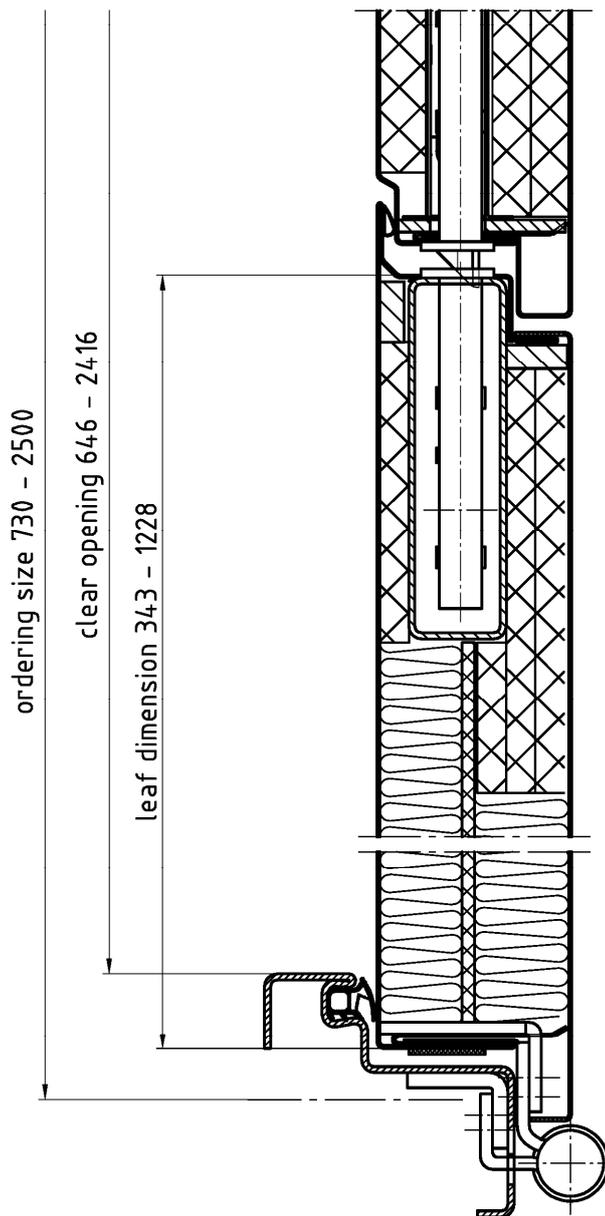


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

El2 90-Sa C5 and El2 90-S200 C5  
Horizontal section – double leaf doorset

Annex C6

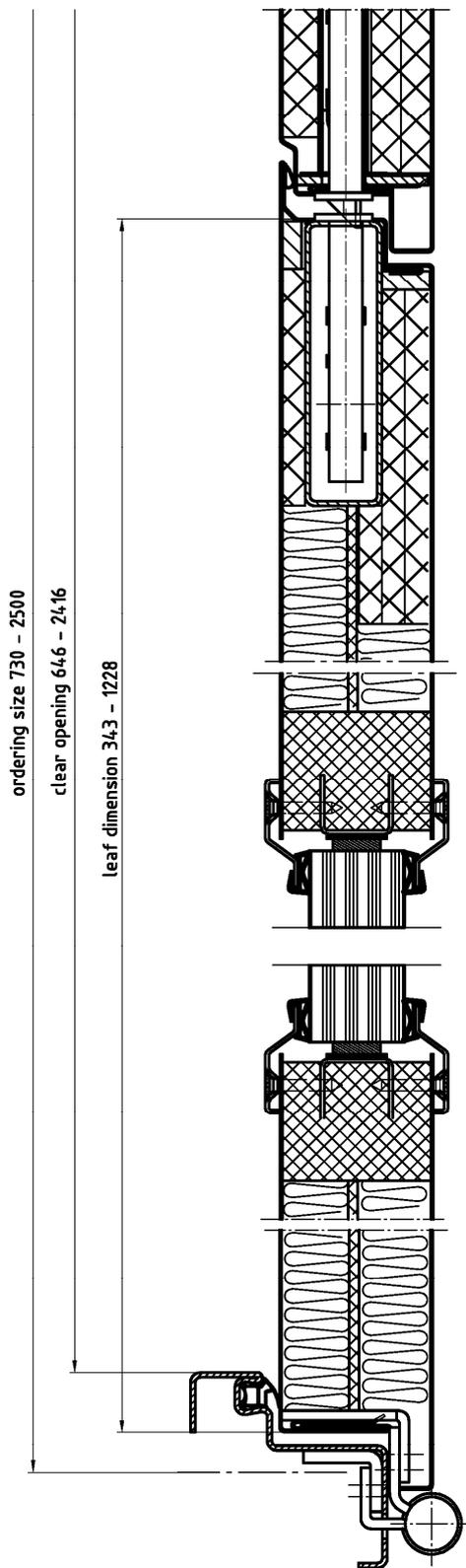


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

El2 90-Sa C5 and El2 90-S200 C5  
Horizontal section – double leaf doorset

Annex C7

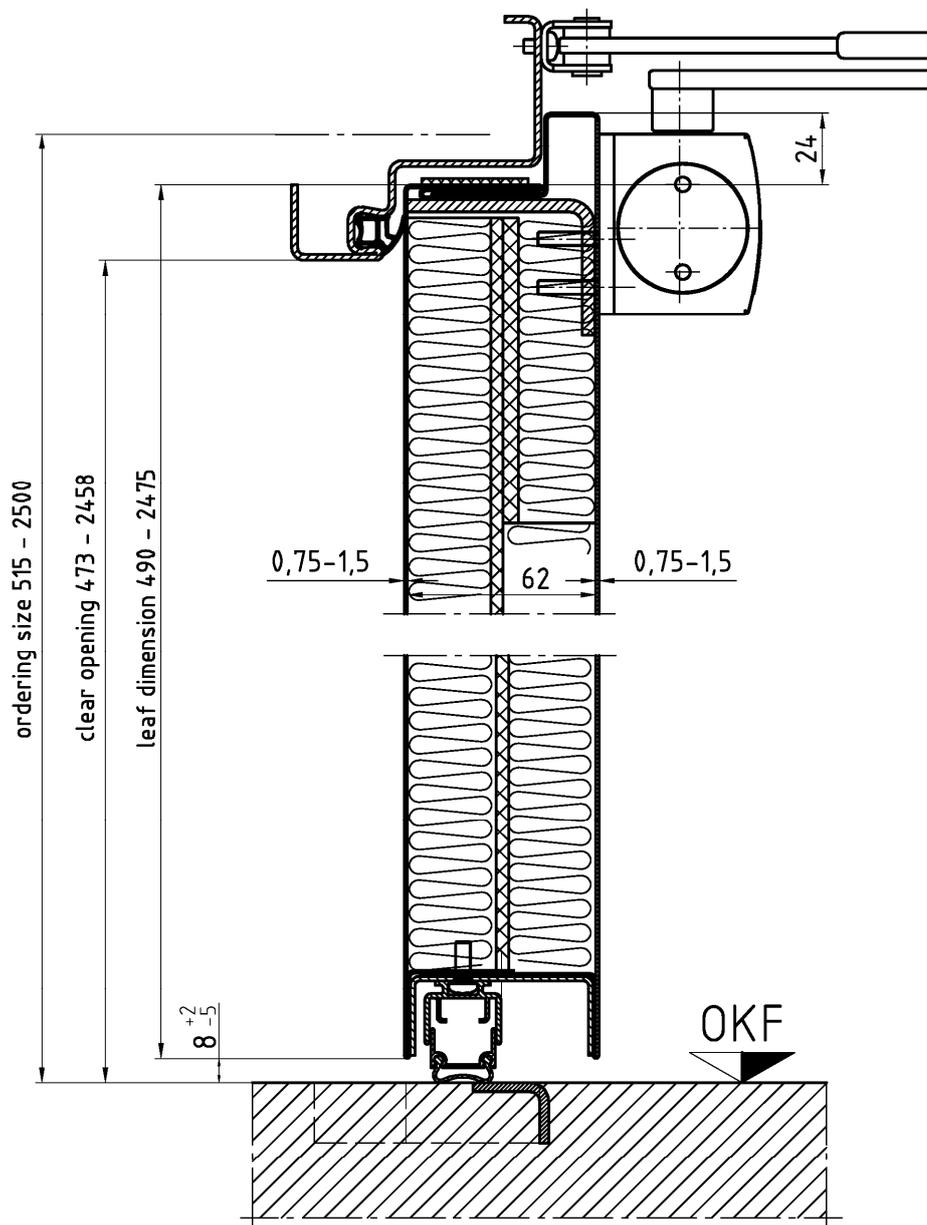


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

El2 90-Sa C5 and El2 90-S200 C5  
Horizontal section – double leaf doorset

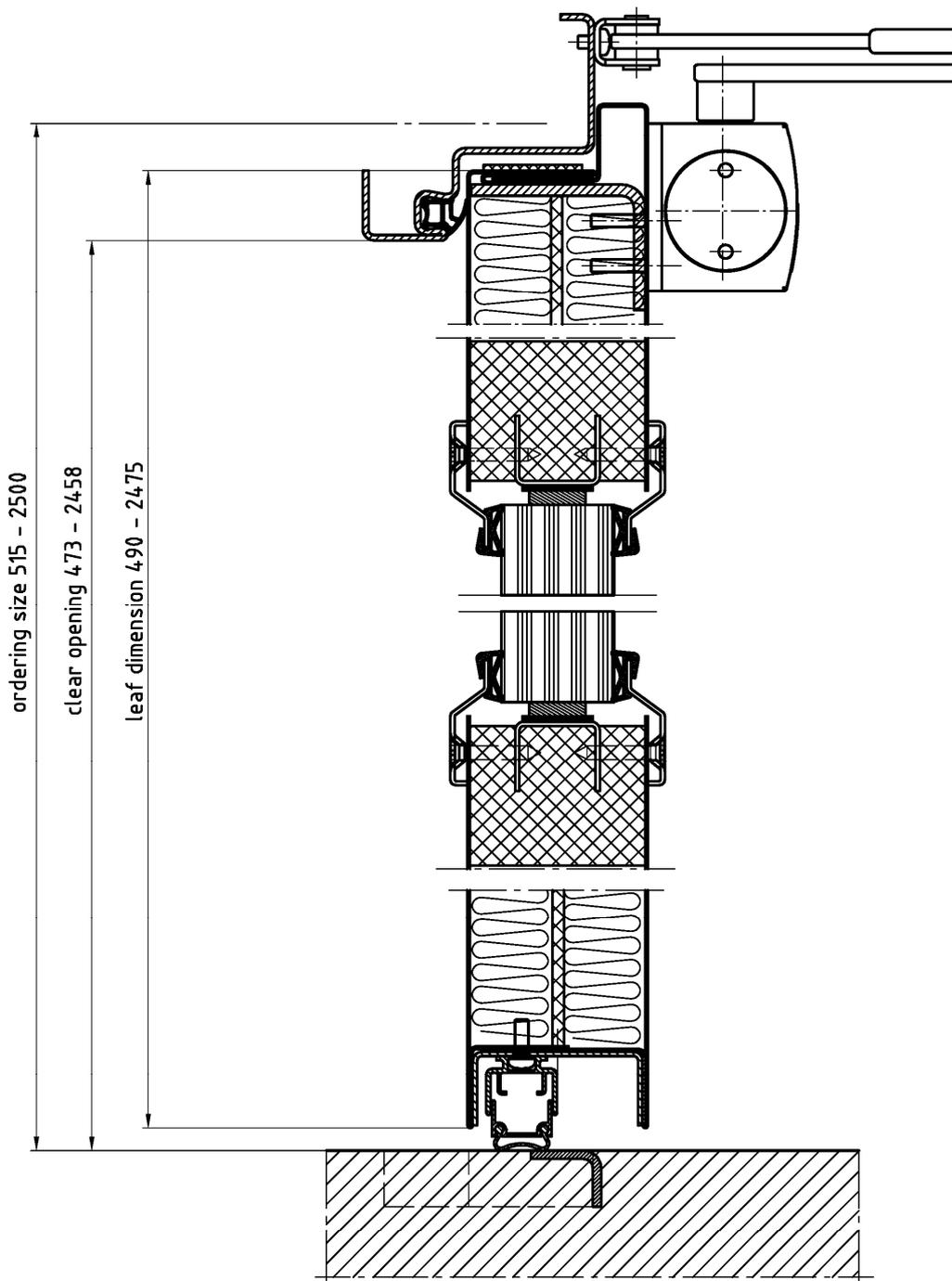
Annex C8



"NovoPorta Premio"

El2 90-Sa C5 and El2 90-S200 C5  
Vertical section – single and double leaf doorset

Annex C9



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"NovoPorta Premio"

El2 90-Sa C5 and El2 90-S200 C5  
Vertical section – single and double leaf doorset

Annex C10

## "NovoPorta Premio"

## Annex D1

### C5 S<sub>a</sub> and C5 S<sub>200</sub>

Annex D contains internal single or double leaf doorsets (pivot doorsets) "NovoPorta Premio" with the classification C5 S<sub>a</sub> and C5 S<sub>200</sub>.

The smoke control doorsets are made of steel plates and special inlays with building hardware. They may be designed with or without any vision panel(s) in the doorsets leaf or leave(s). The products shall be designed with or without flush over panel or transom panel (with or without special glazing) and contained within a single perimeter frame for inclusion in a single aperture.

Smoke control doorsets are made with a three-sided permanently elastic seal and a permanently elastic middle rebate seal additionally in the event of double leaf doorsets in conjunction with a soil liner.

Single leaf smoke control doorsets - without flush over panel or transom panel - are verified at levels other than the floor level (i.e. at increased heights). These doorsets in the area of the frame of the leaf have to be designed with a four-sided permanently elastic seal to prevent smoke from penetrating. The lower edge of the leaf and the frame has to be designed like the upper edge if need so.

The system setup of the product is given in Annexes D2 to D26.

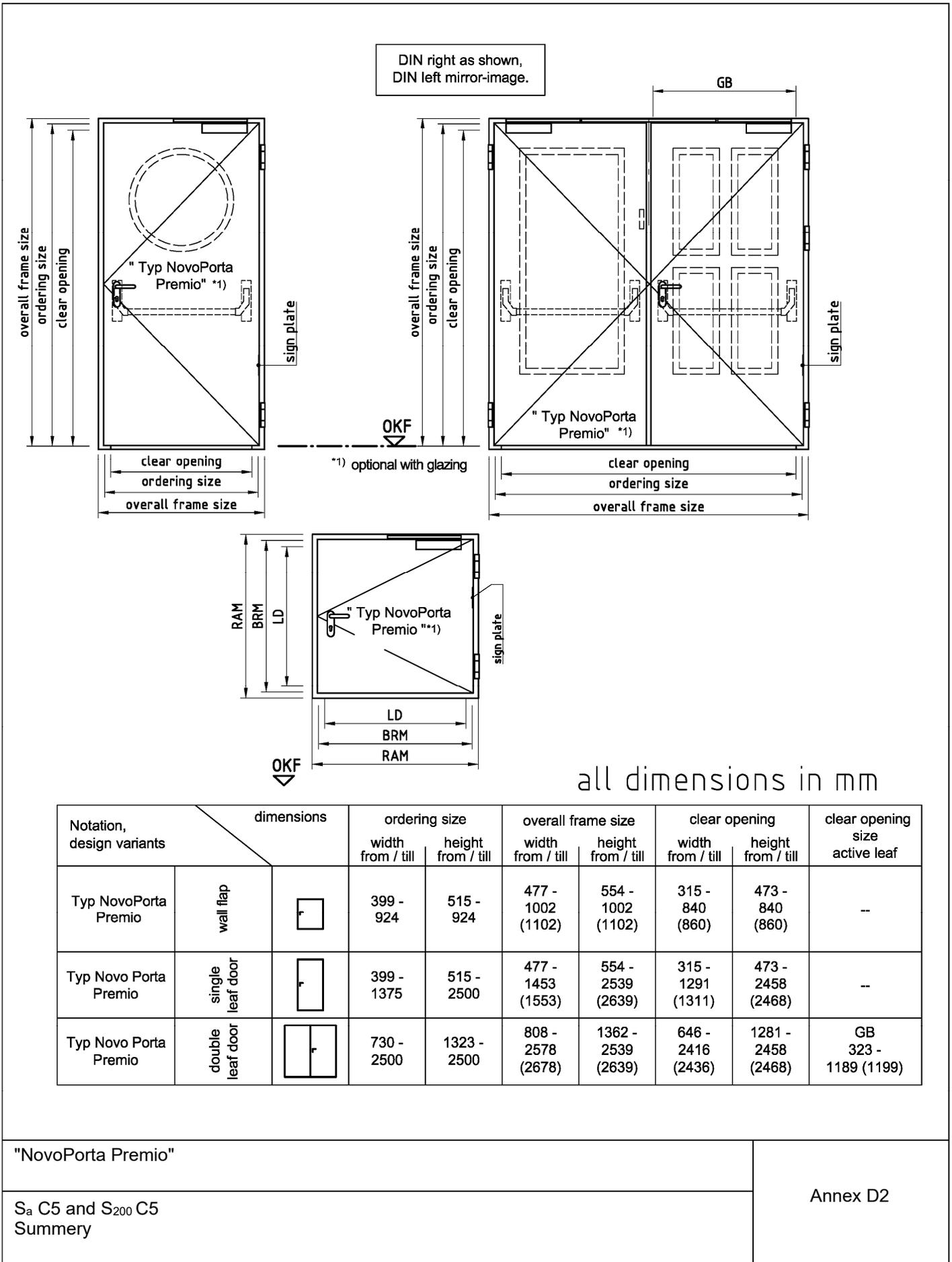
The products "NovoPorta Premio" in maximum size 1375 mm x 2500 mm single leaf and 2500 mm x 2500 mm double leaf (ordering size) are proved as internal fire resisting and/or smoke control single and double leaf doorsets in internal walls/on internal components:

- $\geq 115$  mm high density solid wall of masonry with an overall density of  $\geq 850$  kg/m<sup>3</sup>, or
- $\geq 100$  mm solid wall of concrete masonry with an overall density  $\geq 850$  kg/m<sup>3</sup>, or
- $\geq 150$  mm low density solid wall of aerated concrete with an overall density of  $\geq 650 \pm 200$  kg/m<sup>3</sup>, or
- $\geq 100$  mm fire resistant light weight plasterboard faced steel stud partition (EI 30), or
- $\geq 100$  mm fire resistant light weight plasterboard faced wood stud partition (EI 30), or
- $\geq 100$  mm fire resistant steel column or -beam (EI 30).

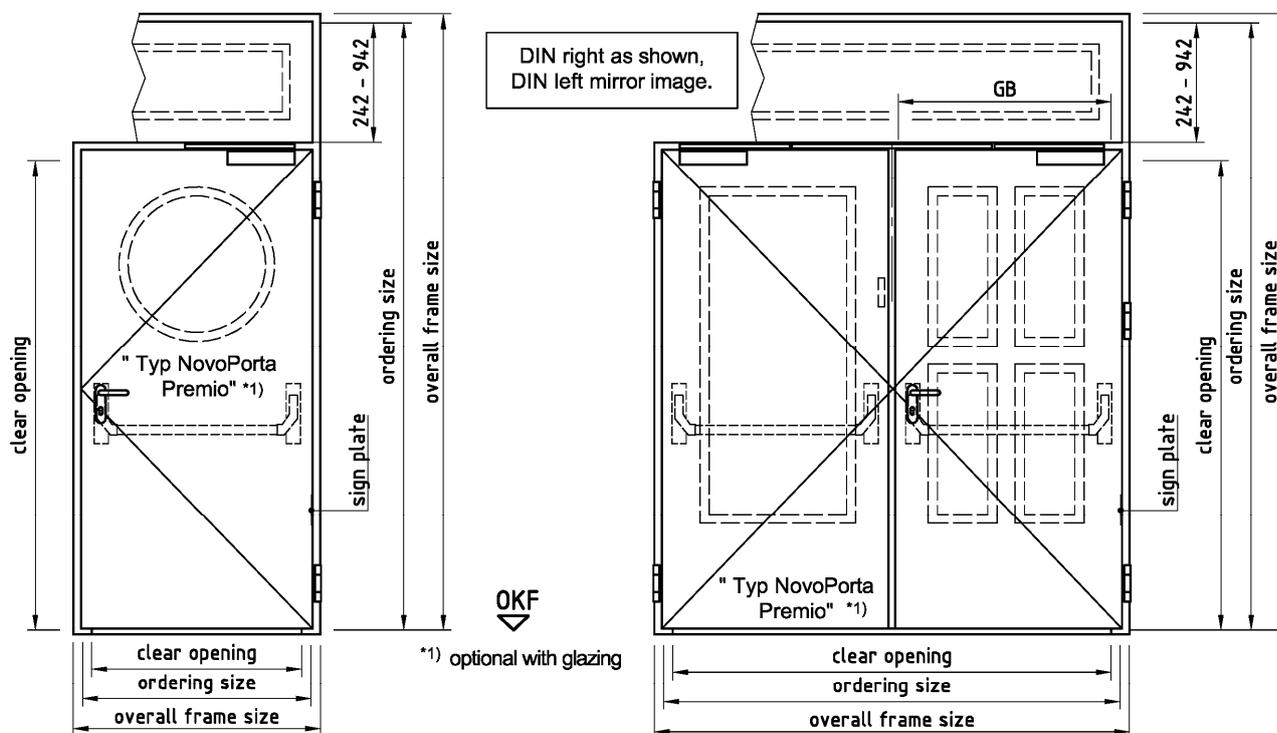
The products "NovoPorta Premio" in maximum size 1500 mm x 3000 mm single leaf and 3000 mm x 3000 mm double leaf (ordering size) are proved as internal fire resisting and/or smoke control single and double leaf doorsets in internal walls/on internal components:

- $\geq 175$  mm high density solid wall of masonry with an overall density of  $\geq 850$  kg/m<sup>3</sup>, or
- $\geq 140$  mm solid wall of concrete masonry with an overall density  $\geq 850$  kg/m<sup>3</sup>, or
- $\geq 175$  mm low density solid wall of aerated concrete with an overall density of  $\geq 650 \pm 200$  kg/m<sup>3</sup>, or
- $\geq 100$  mm fire resistant light weight plasterboard faced steel stud partition (EI 30), or
- $\geq 100$  mm fire resistant light weight plasterboard faced wood stud partition (EI 30), or
- $\geq 100$  mm fire resistant steel column or -beam (EI 30).

English translation prepared by DIBt



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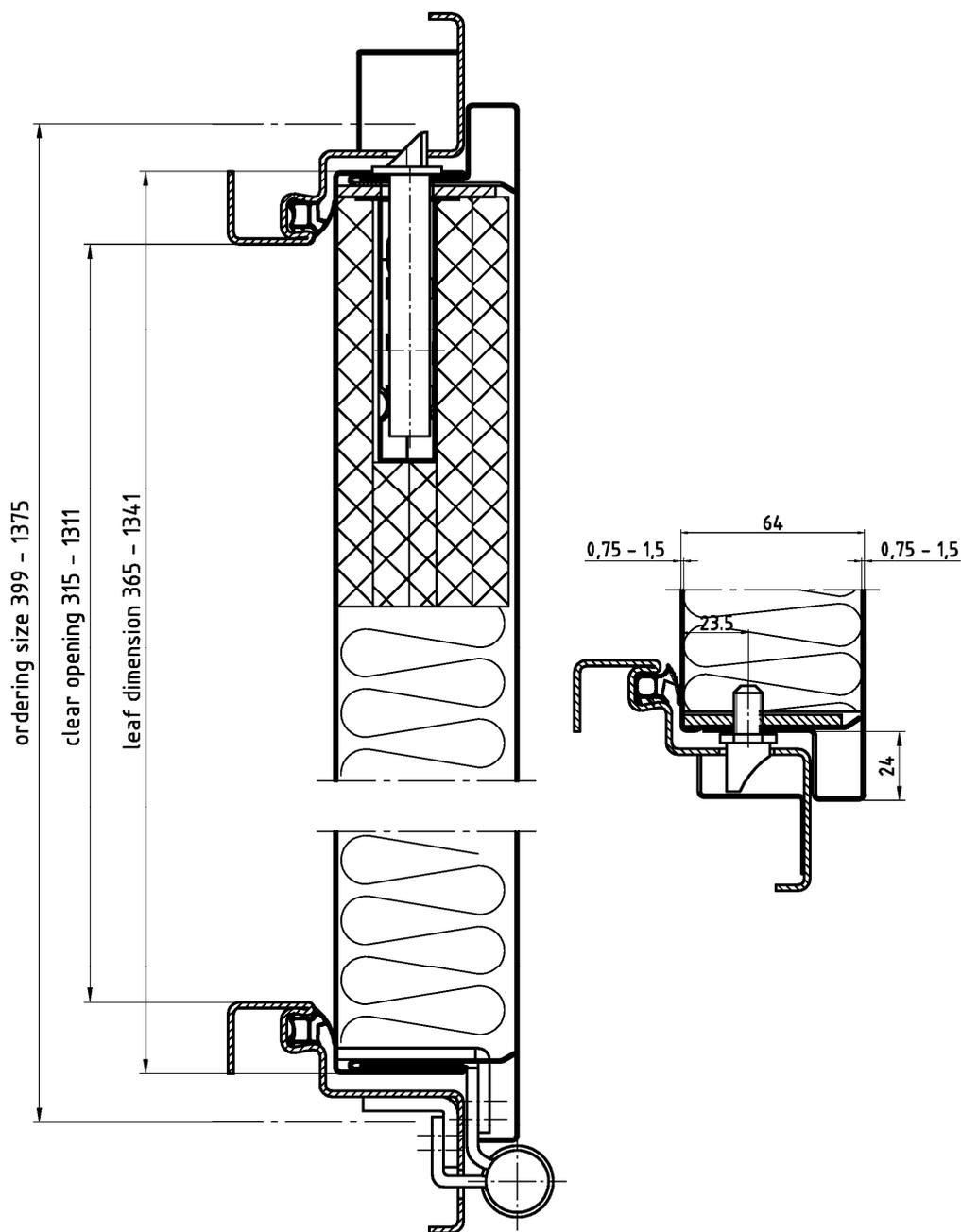
all dimensions in mm

Notation, design variants		dimensions	ordering size		overall frame size		clear opening		clear opening size active leaf
			width from / till	height from / till	width from / till	height from / till	width from / till	height from / till	
Typ Novo Porta Premio	single leaf door with overpanel		399 - 1375	2050 - 3500	477 - 1453 (1553)	2089 - 3539 (3639)	315 - 1291	1699 - 2449	--
Typ Novo Porta Premio	double leaf door with overpanel		730 - 2500	2050 - 3500	808 - 2578 (2678)	2089 - 3539 (3639)	646 - 2416	1699 - 2449	GB 323 - 1189

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Summery

Annex D3

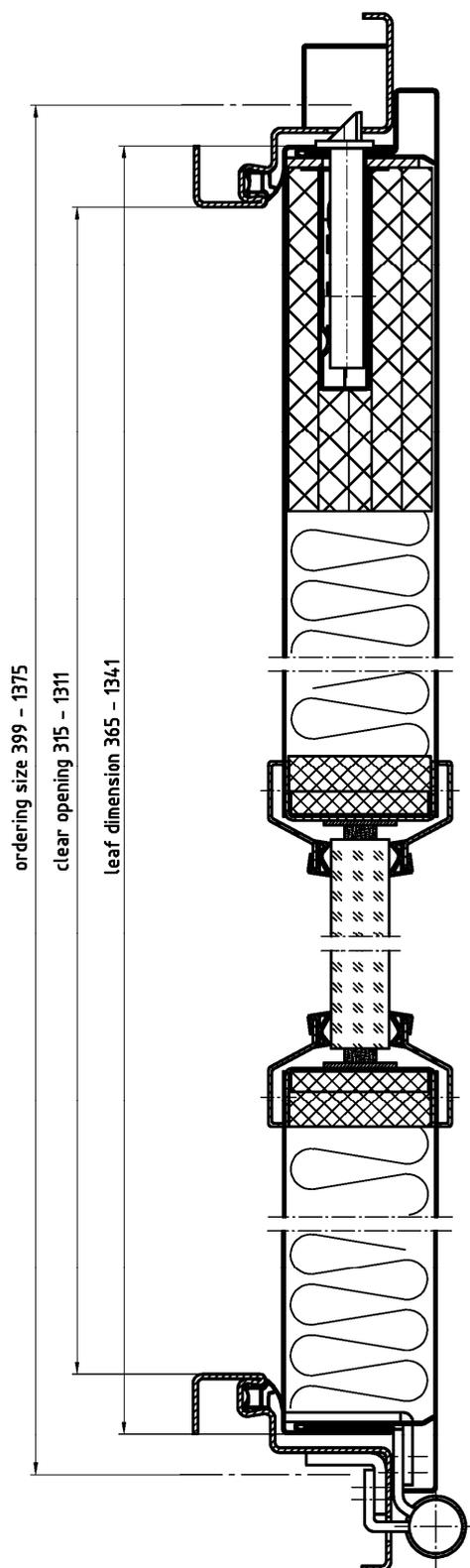


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"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section – single leaf doorset

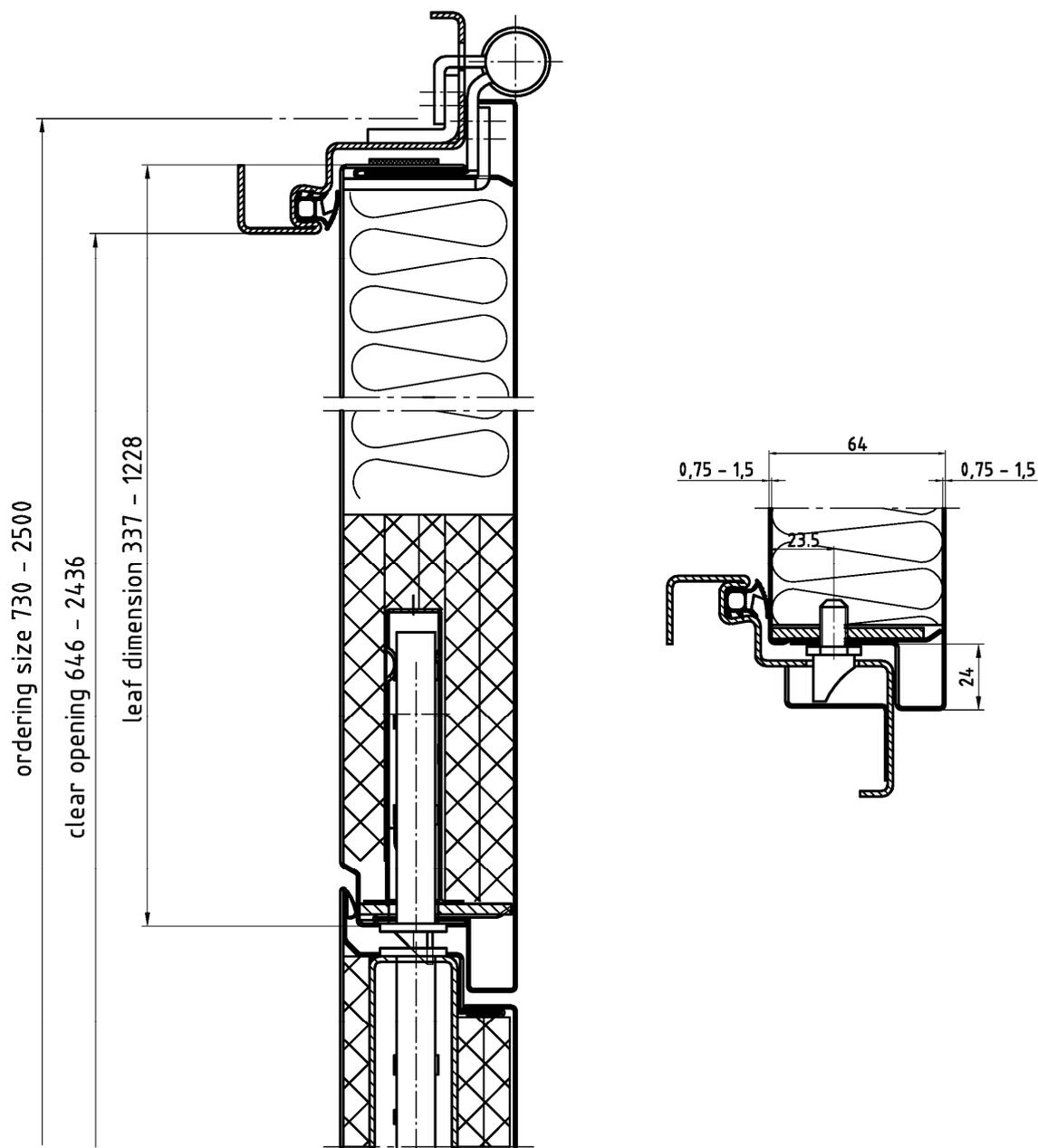
Annex D4



"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section – single leaf doorset

Annex D5

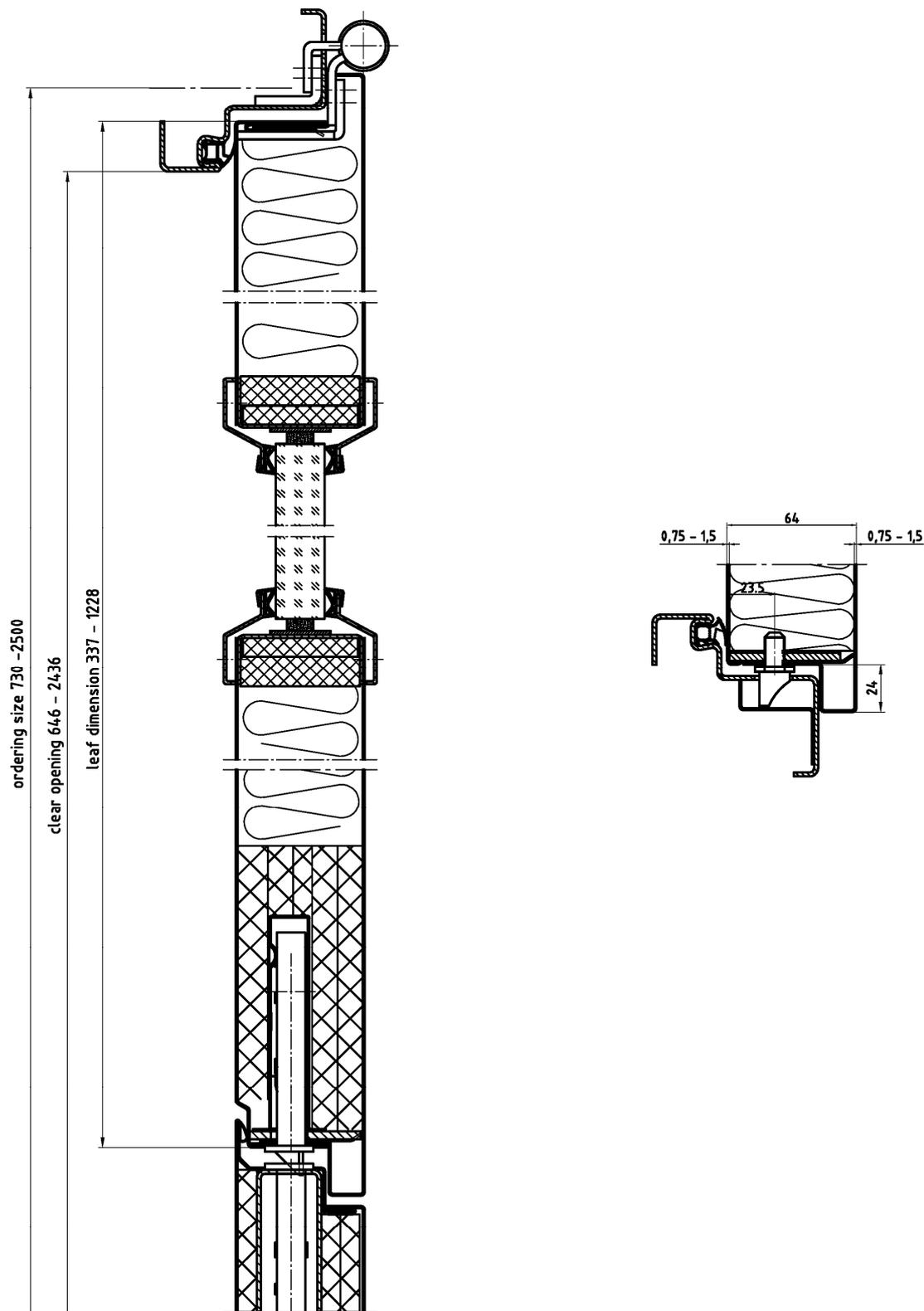


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"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section – double leaf doorset

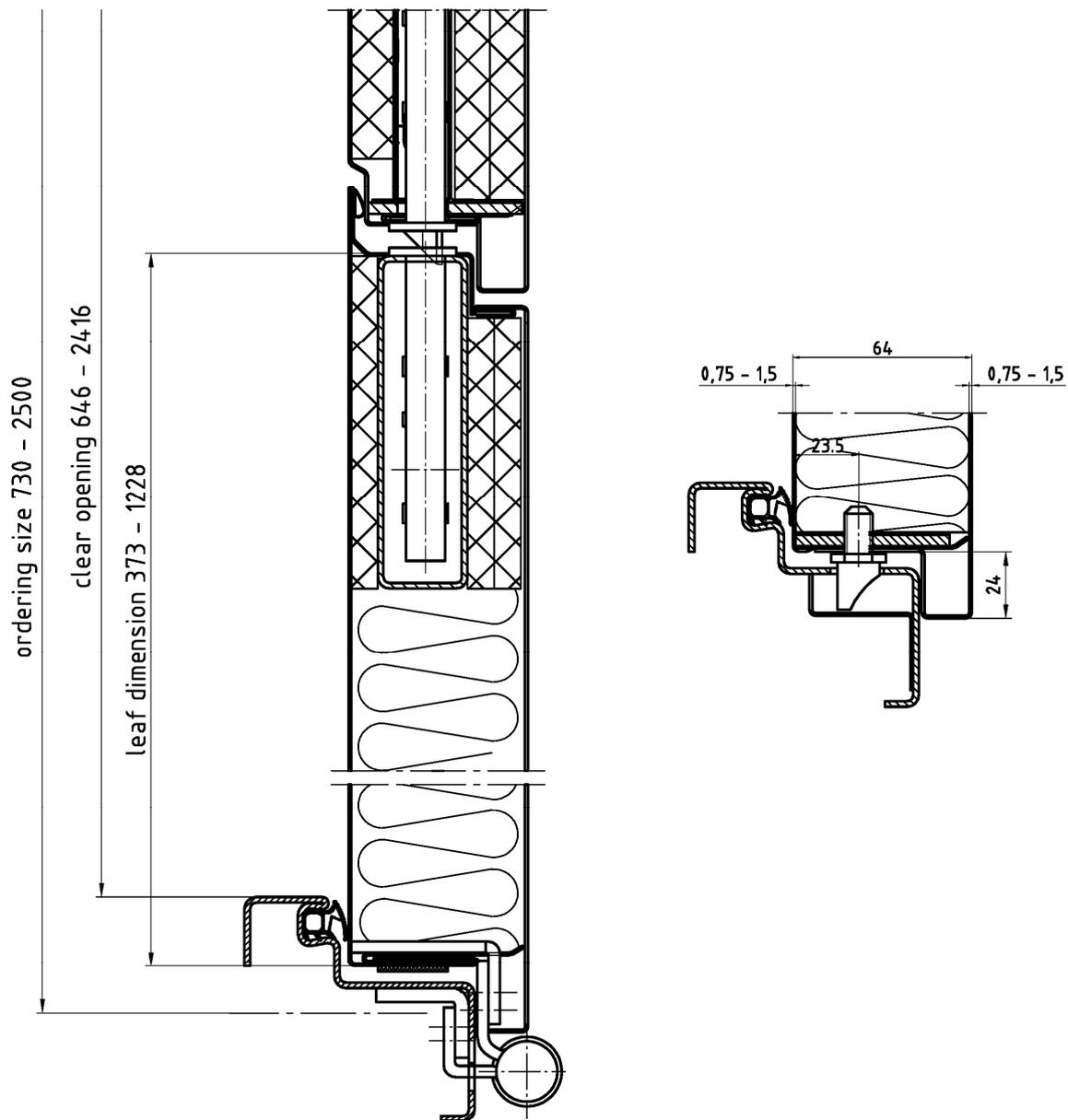
Annex D6



"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section – double leaf doorset

Annex D7

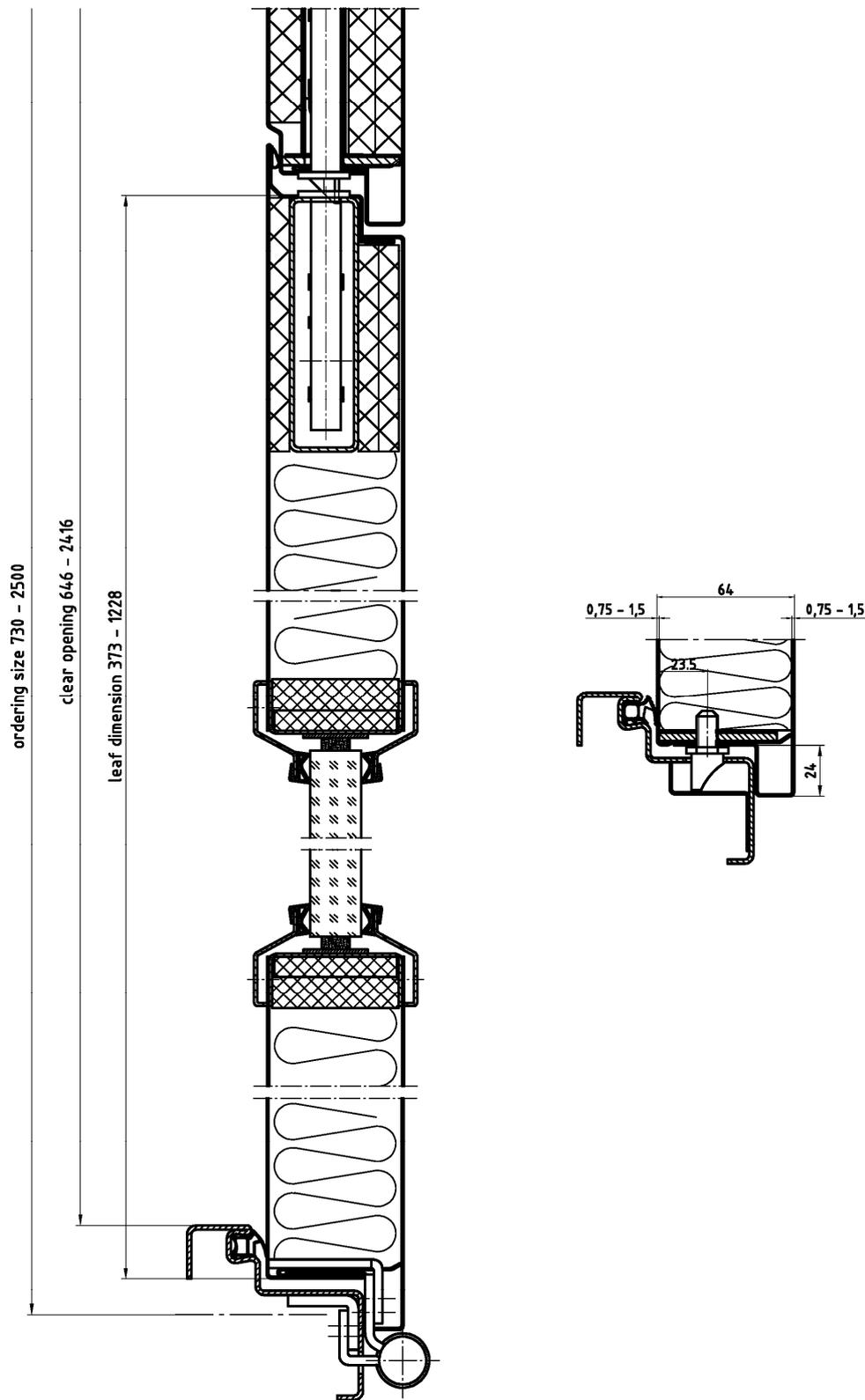


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

Sa C5 and S200 C5  
Horizontal section – double leaf doorset

Annex D8

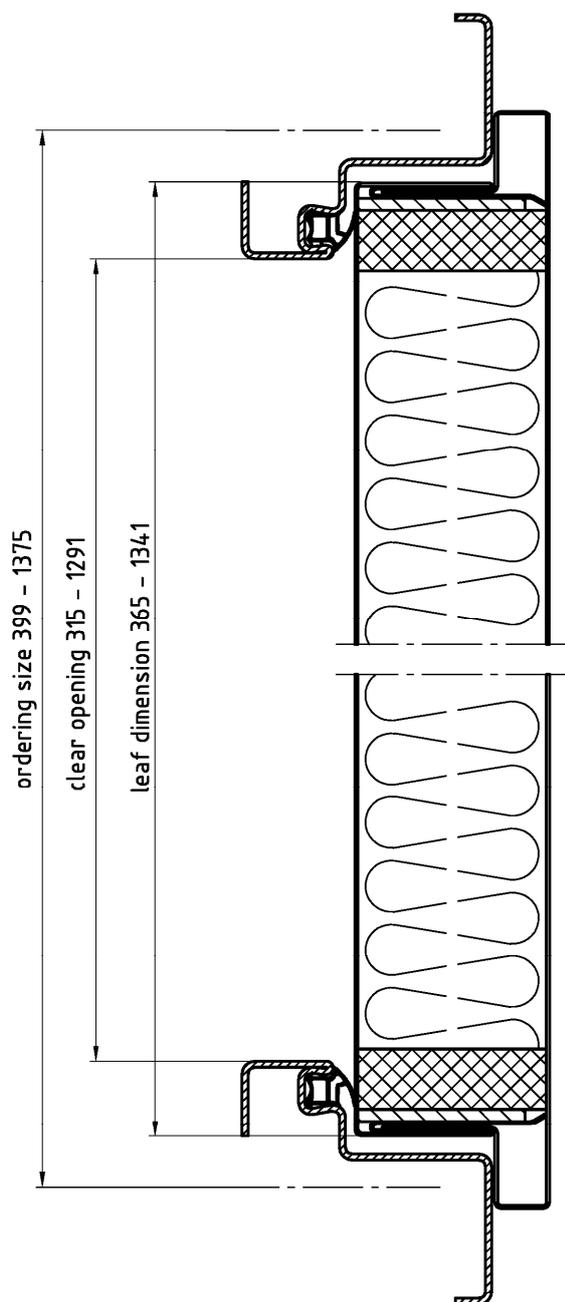


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

Sa C5 and S200 C5  
 Horizontal section – double leaf doorset

Annex D9

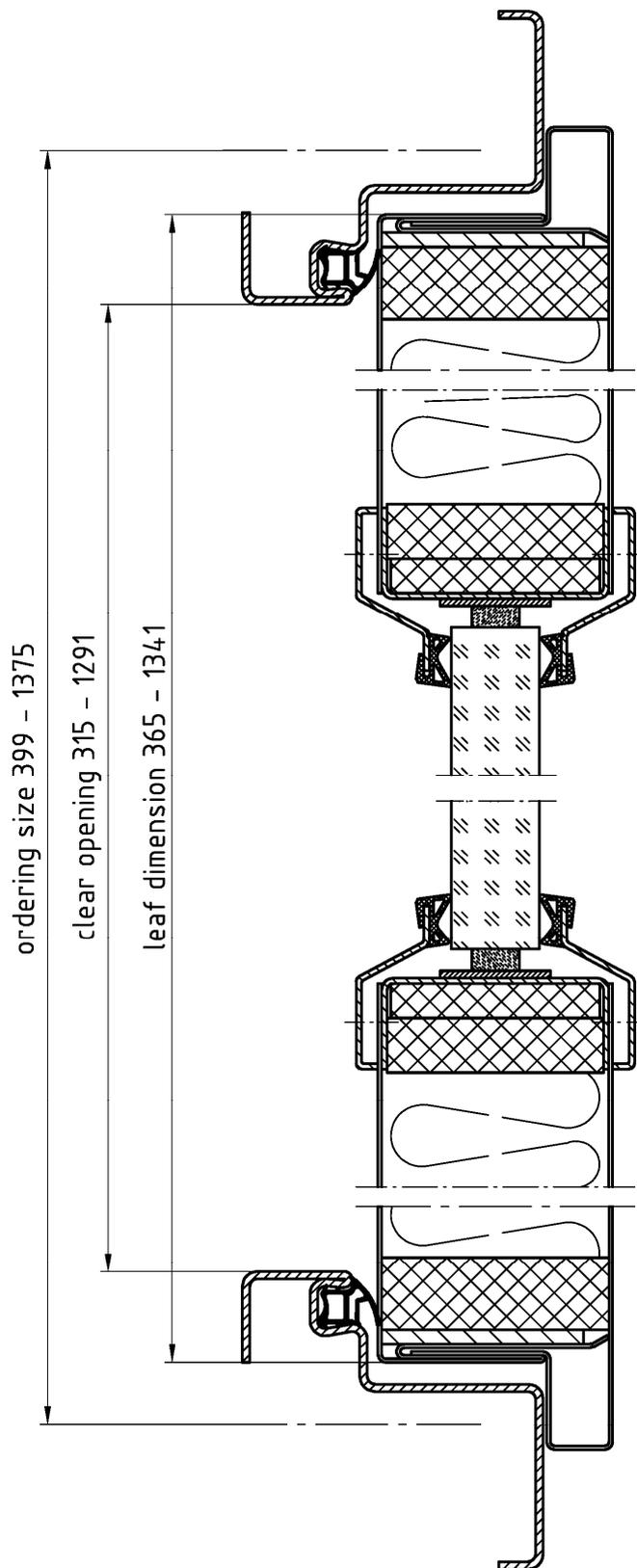


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section overpanel – single leaf doorset

Annex D10

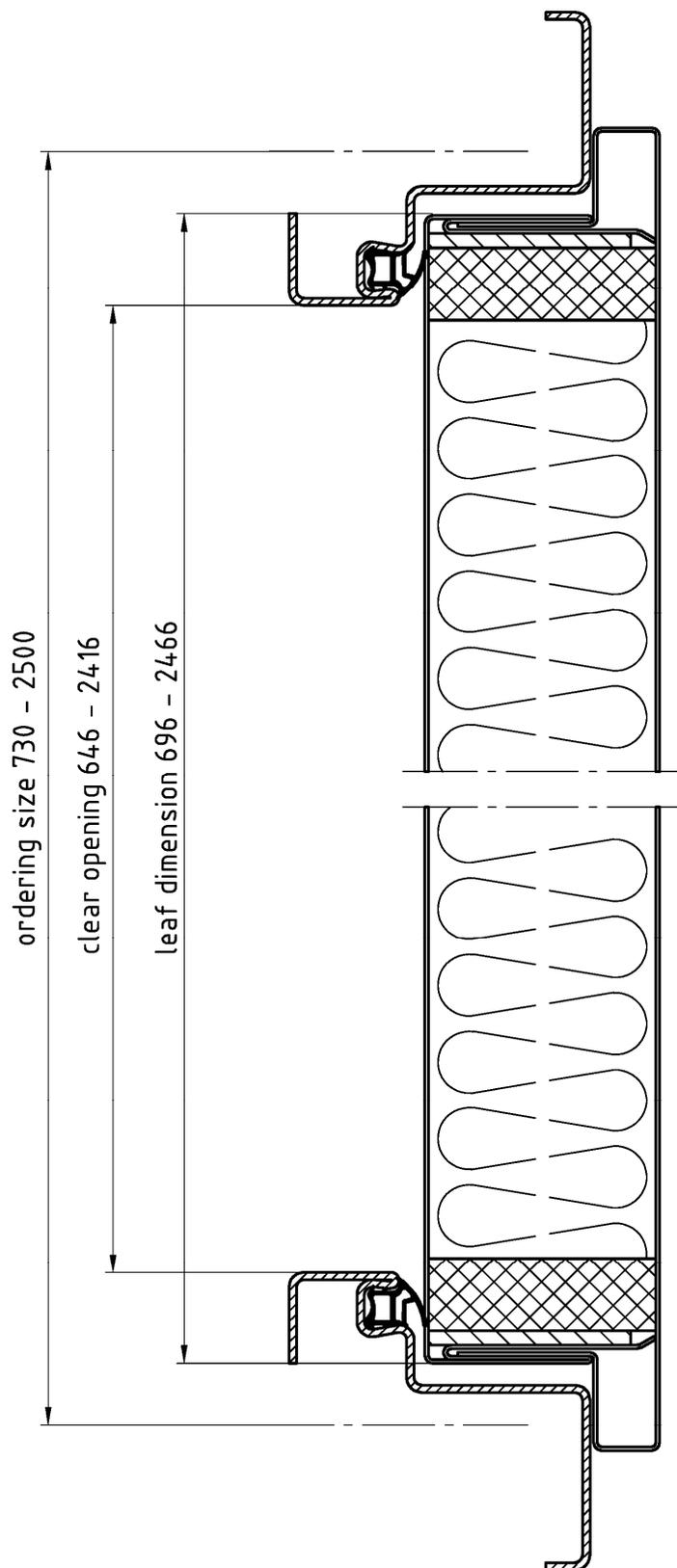


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section overpanel – single leaf doorset

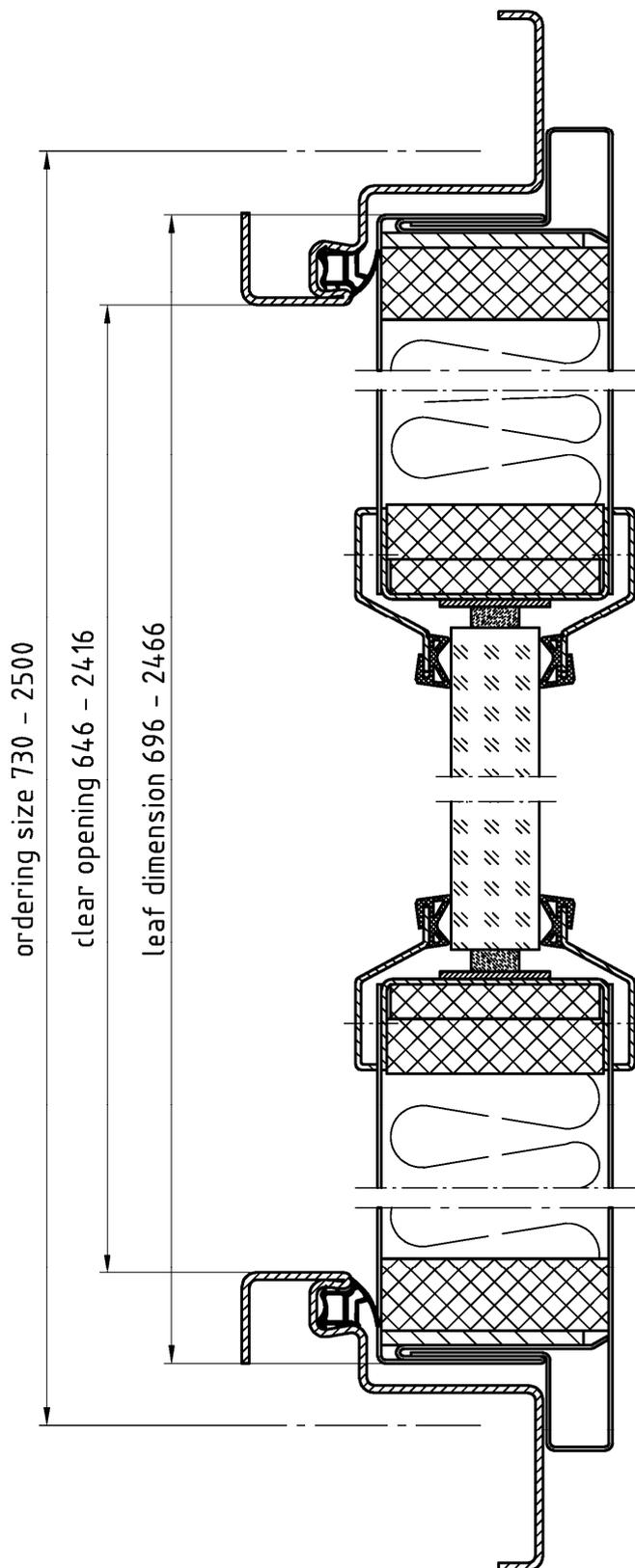
Annex D11



"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section overpanel – double leaf doorset

Annex D12



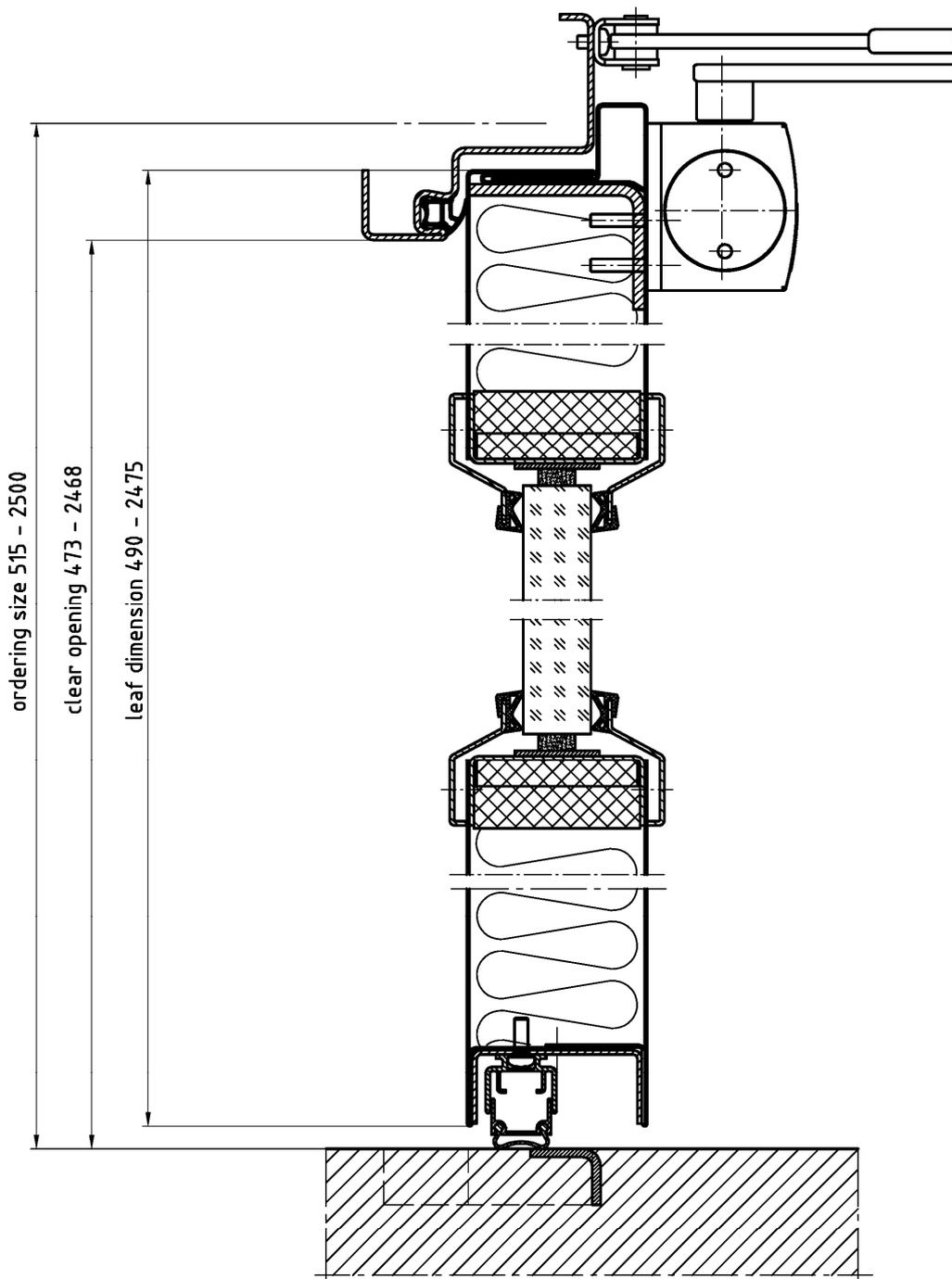
Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section overpanel – double leaf doorset

Annex D13



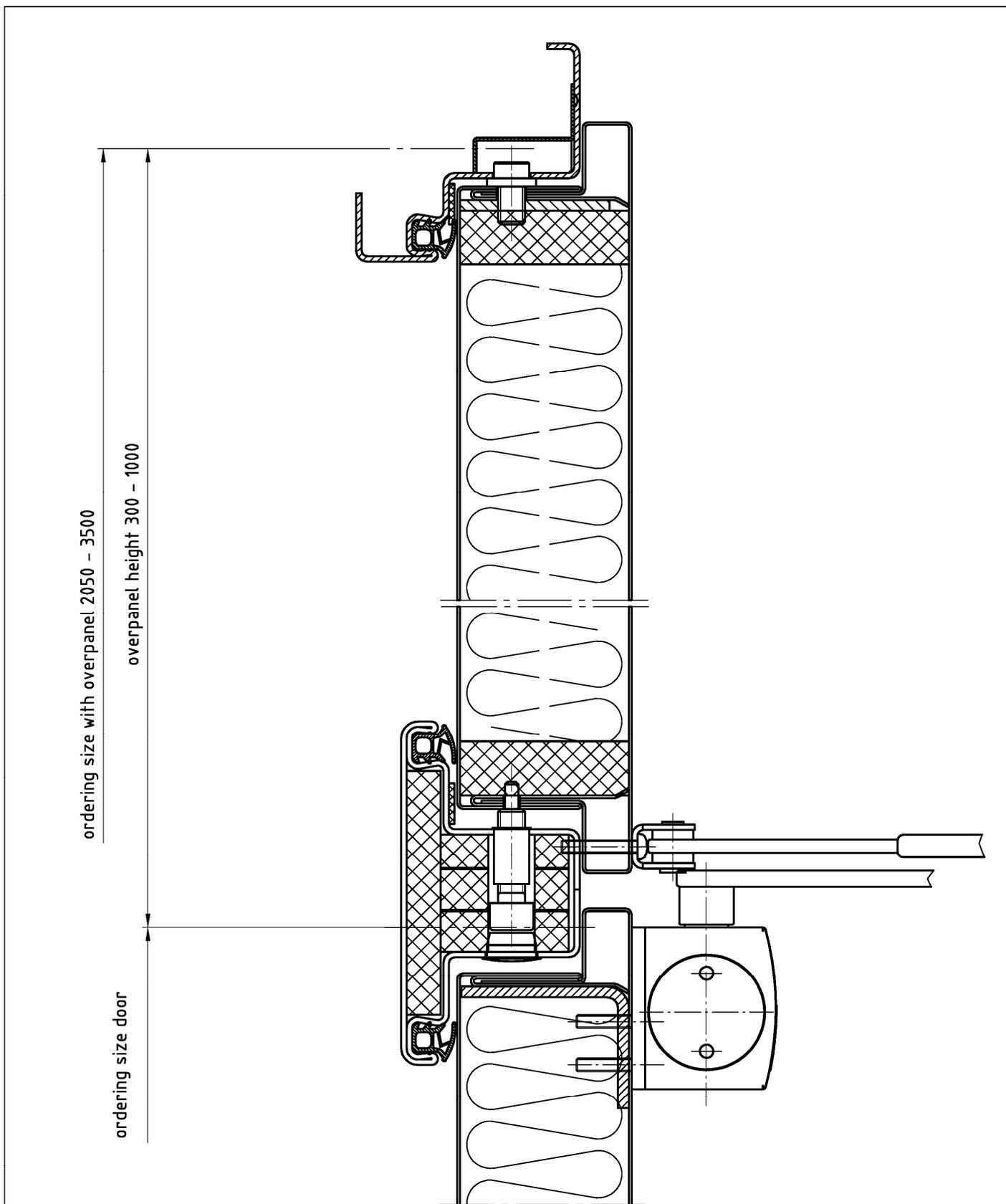


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"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Vertical section – single and double leaf doorset

Annex D15

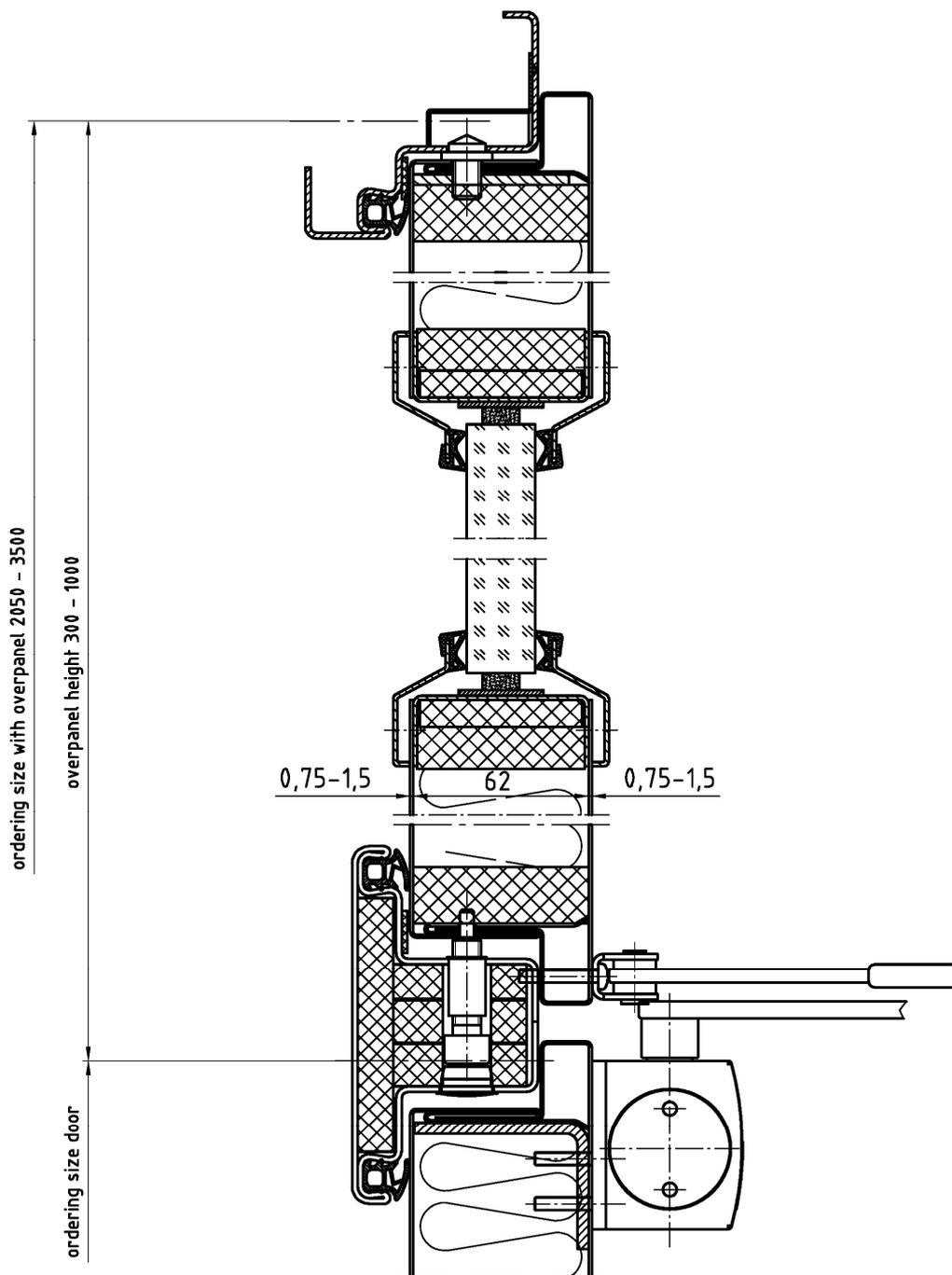


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Vertical section overpanel – single and double leaf doorset

Annex D16



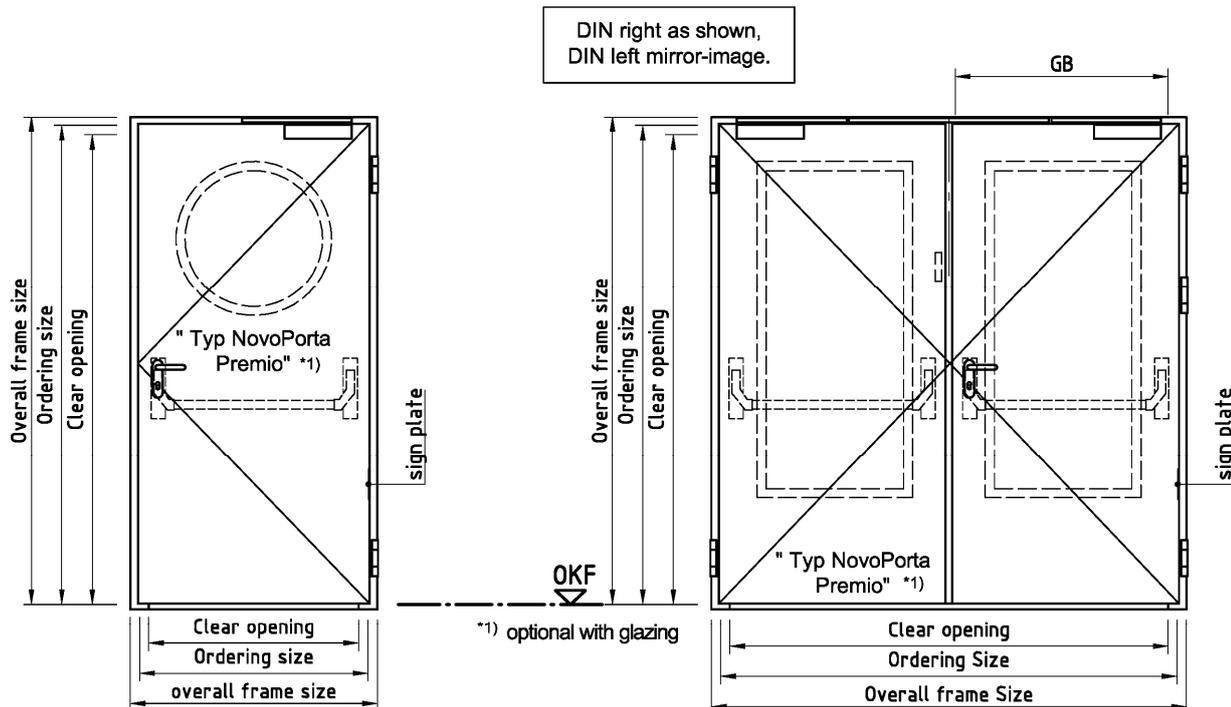
Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Vertical section overpanel – single and double leaf doorset

Annex D17

English translation prepared by DIBt



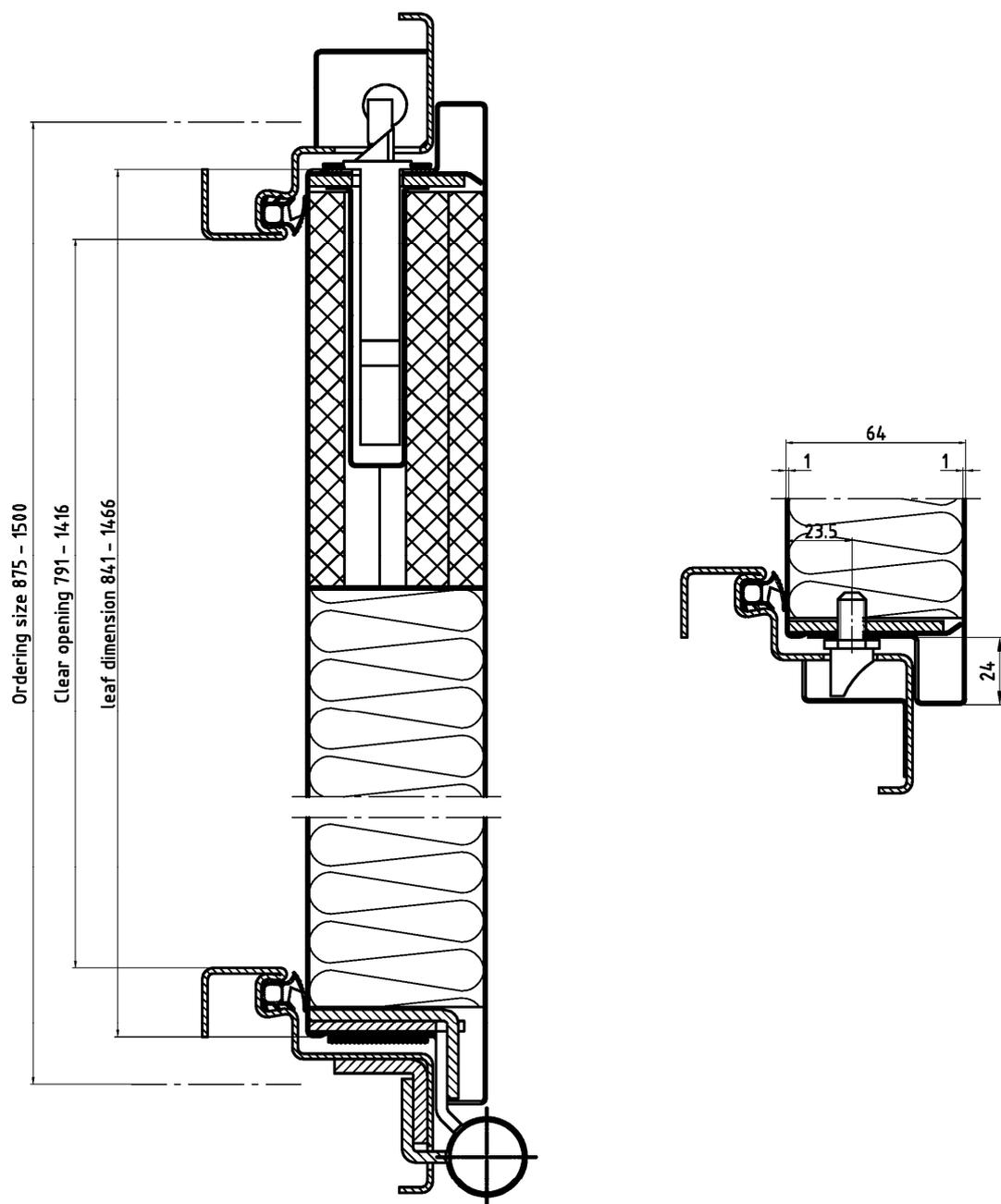
### Alle Maße in mm

Notation, designvariants	Dimensions	Ordering size		Overall frame size		Clear opening		clear opening size active leaf
		Breite B von / bis	Höhe H von / bis	Breite B von / bis	Höhe H von / bis	Breite B von / bis	Höhe H von / bis	
Typ NovoPorta Premio	Single leaf door	875 - 1500	2000 - 3000	953 - 1578 (1678)	2039 - 3039 (3089)	791 - 1416	1958 - 2958	--
Typ NovoPorta Premio	double leaf door	1500 - 3000	2000 - 3000	1578 - 3078 (3178)	2039 - 3039 (3089)	1416 - 2916	1958 - 2958	GB 689 - 1439

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Summery

Annex D18

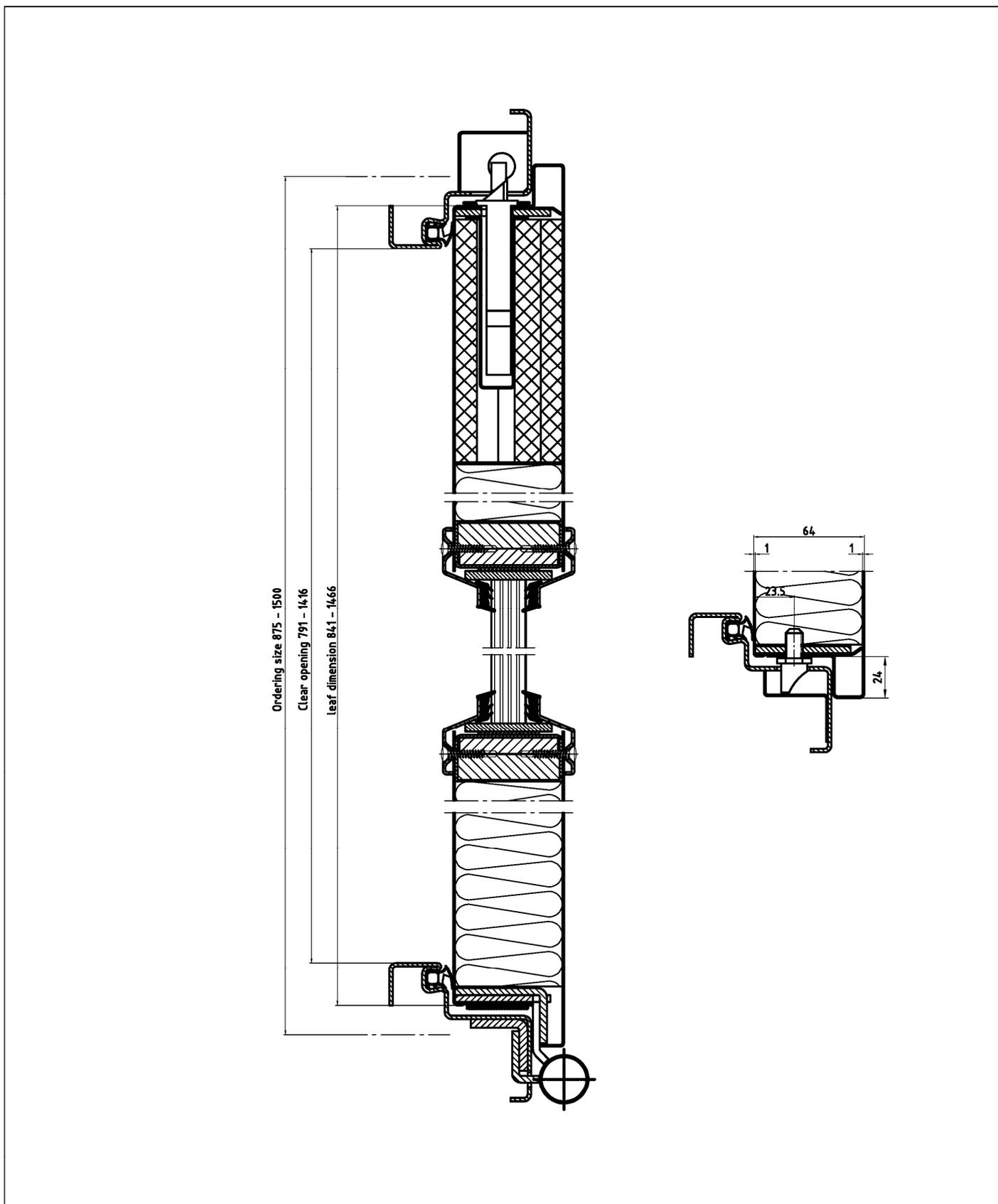


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

Sa C5 and S200 C5  
Horizontal section – single leaf doorset

Annex D19

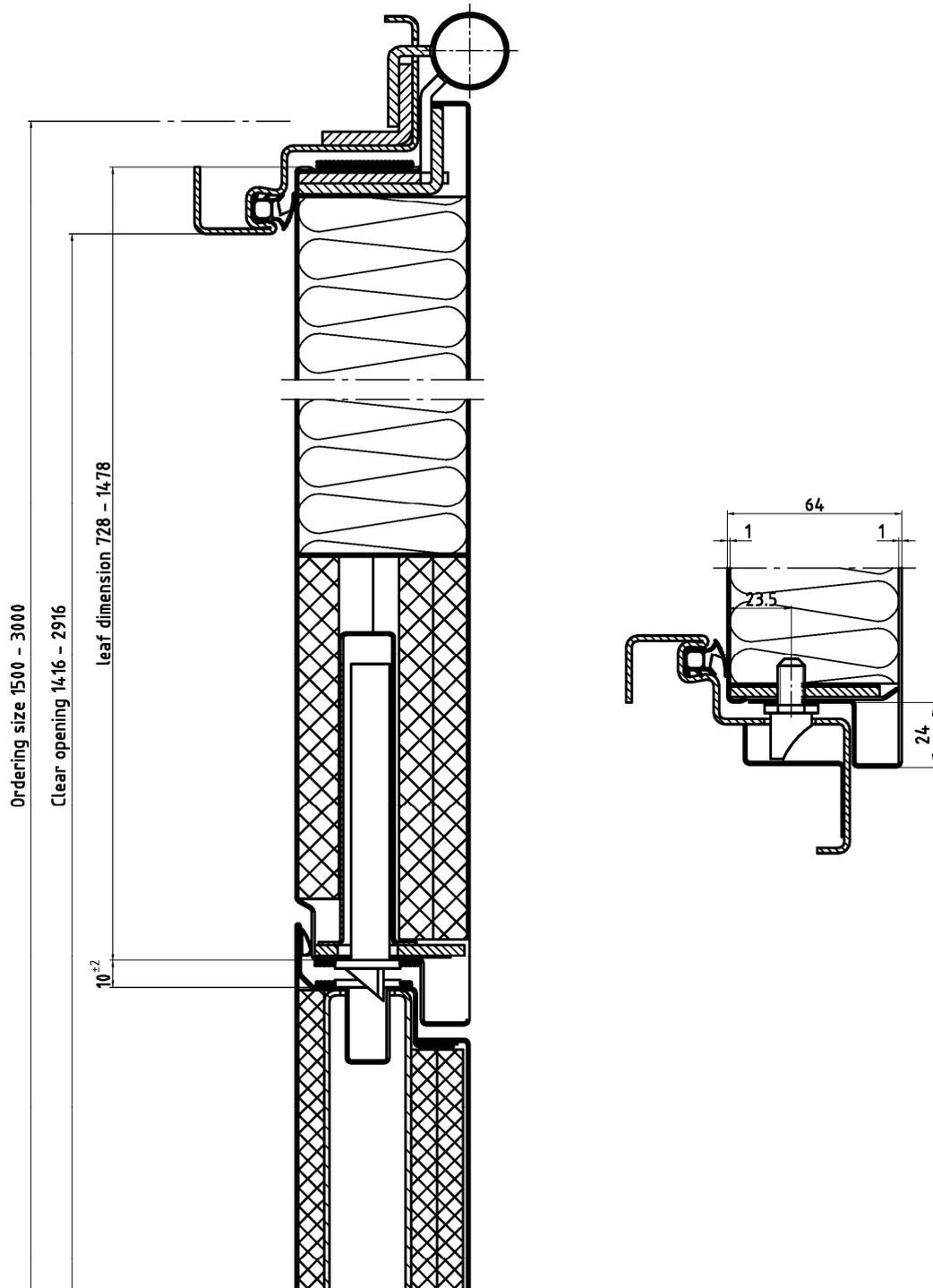


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section – single leaf doorset

Annex D20

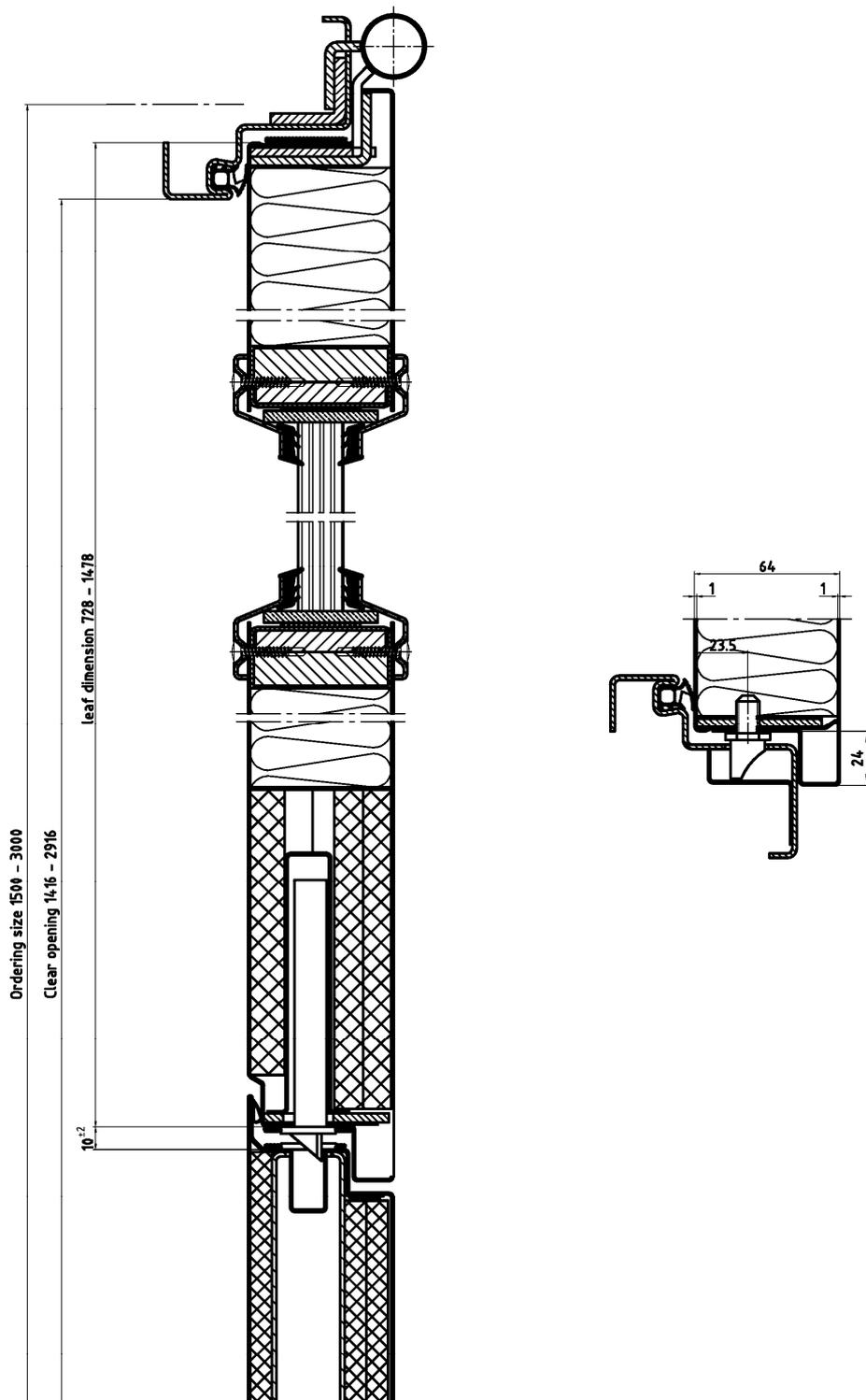


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section – double leaf doorset

Annex D21

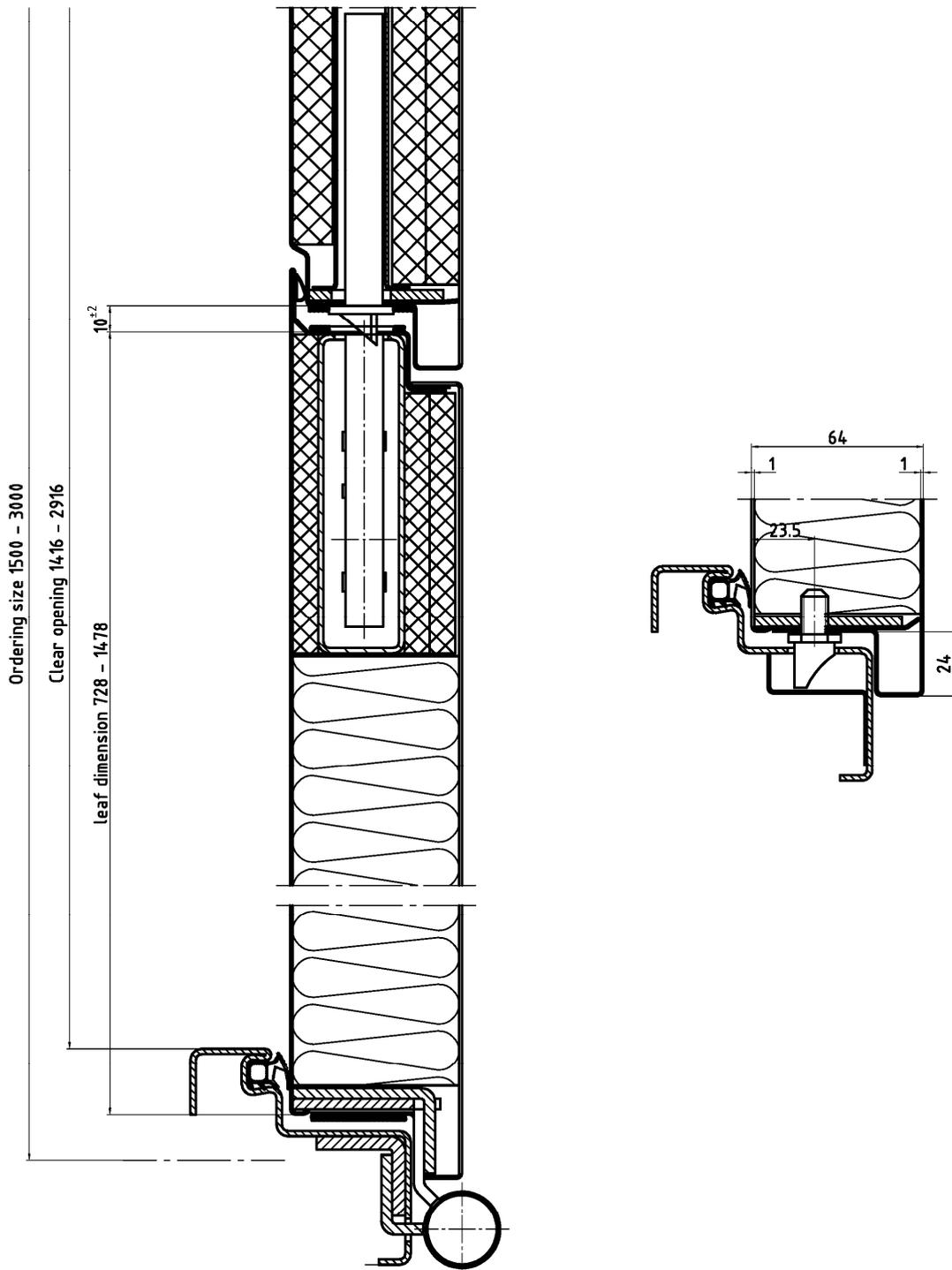


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section – double leaf doorset

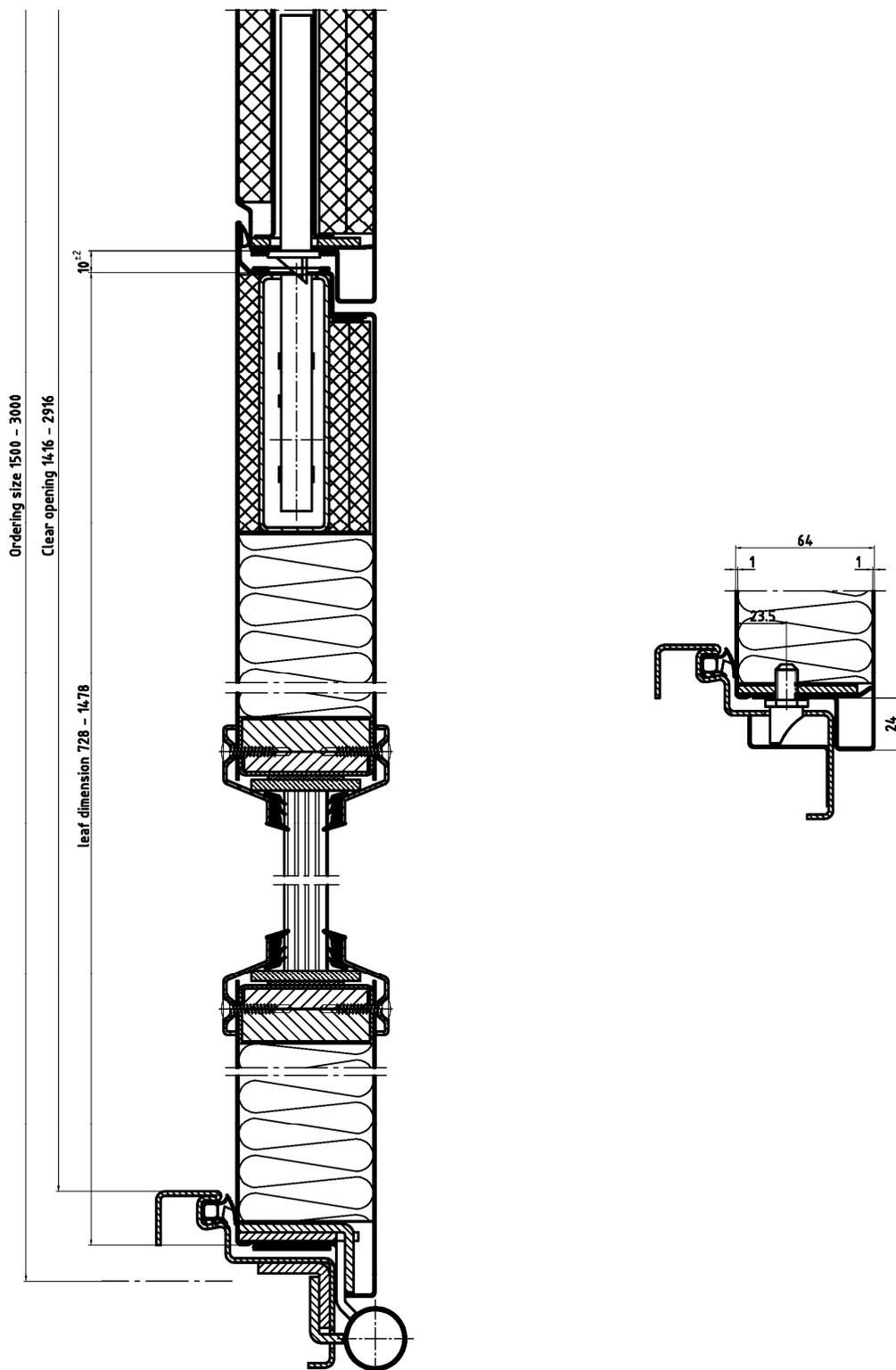
Annex D22



"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section – double leaf doorset

Annex D23

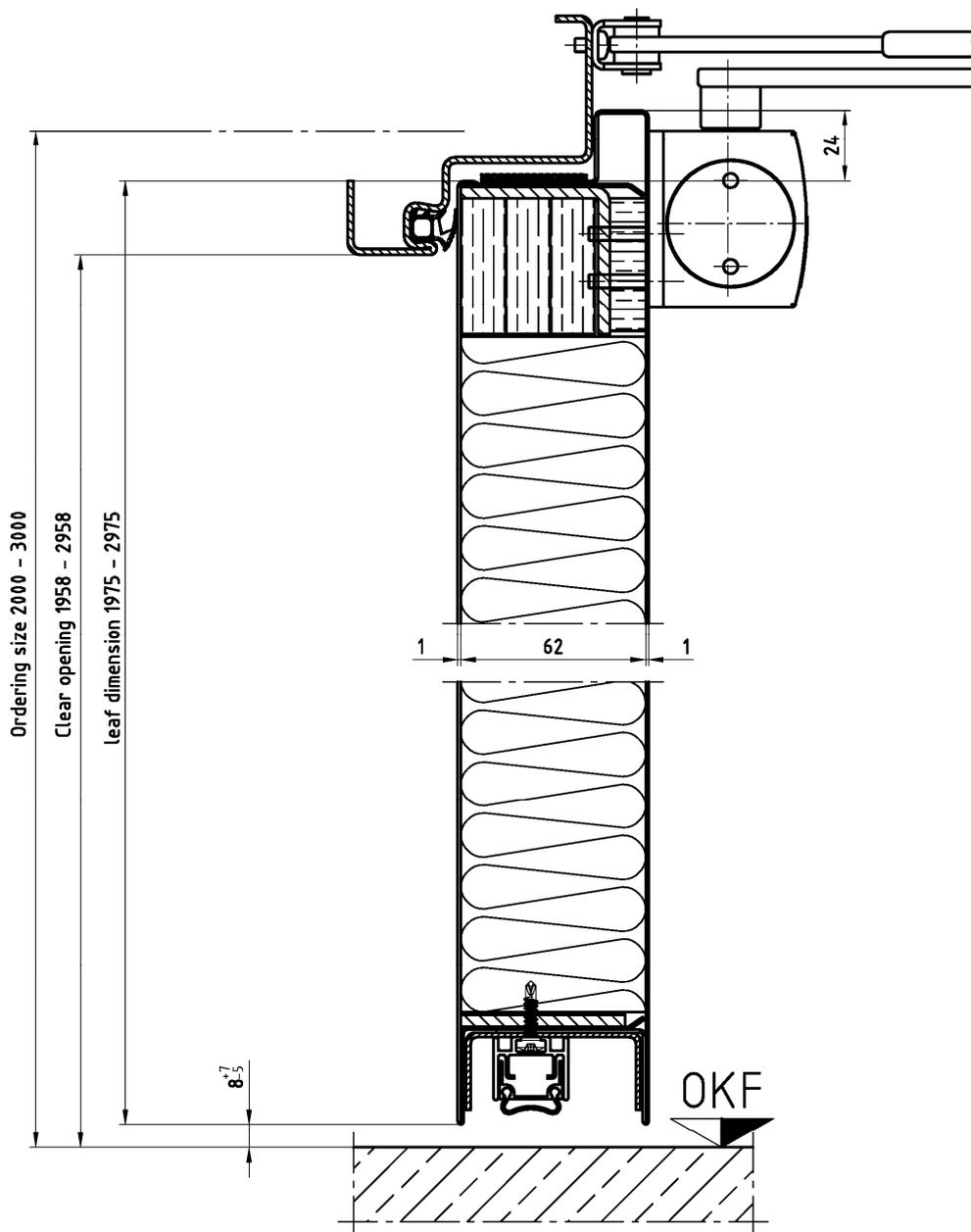


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Horizontal section – double leaf doorset

Annex D24

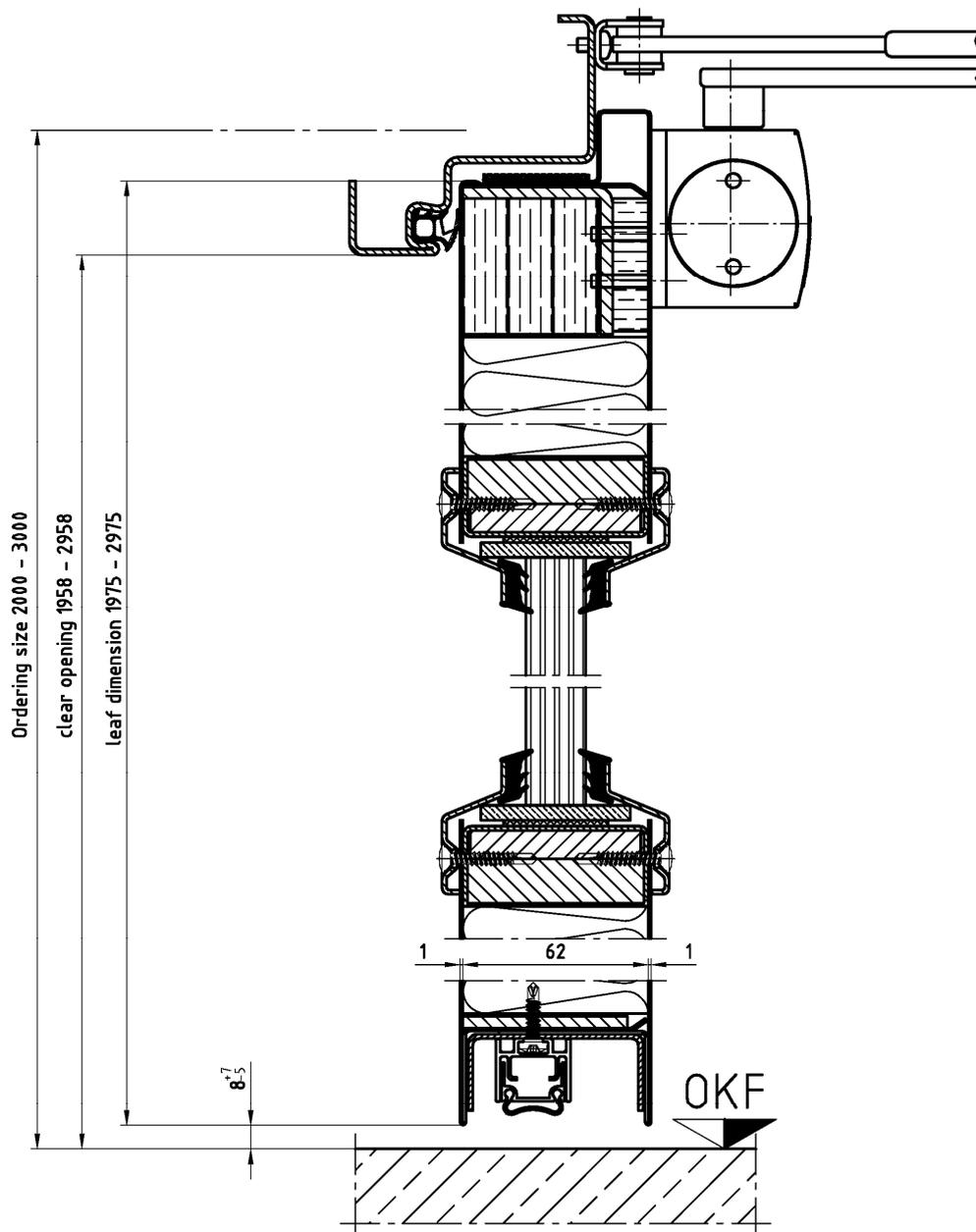


Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Vertical section – single and double leaf doorset

Annex D25



Electronic copy of the ETA by DIBt: ETA-17/0443

"NovoPorta Premio"

S<sub>a</sub> C5 and S<sub>200</sub> C5  
Vertical section – single and double leaf doorset

Annex D26