



TECHNICAL
DOORS
CATALOGUE

2024

← ATTRIBUTES

← SYSTEMS

← DIMENSIONS

← SPECIFICATIONS



SEMPRE
SISUSTUSOVET

Better Interior

-
-
-
- **ENTRANCE DOOR**
- **SOUNDPROOF DOOR**
- **TECHNICAL DOOR**
- **SPECIAL DOOR**
- **DOOR FRAMES**

RAIL AND STILE TYPE **RAIL AND STILE TYPE**



rail and stile set of glued laminated wood

high quality MDF rail and stile set

PANEL TYPE



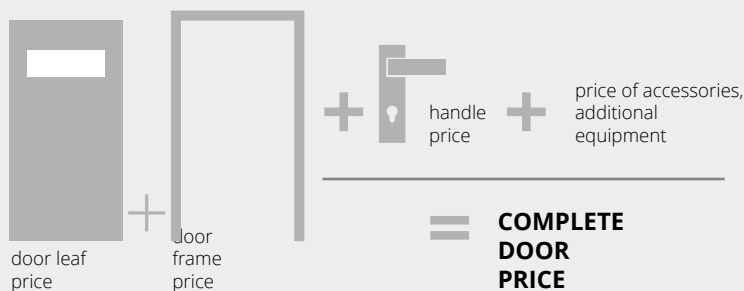
wooden rail and stile set and honeycomb-structured in-fill

wooden rail and stile unit with a perforated chipboard in-fill

wooden rail and stile unit with a solid chipboard in-fill

← STRUCTURE

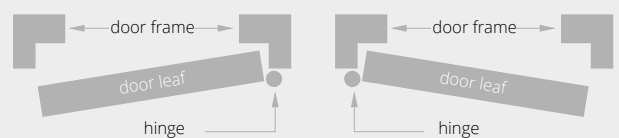
HOW TO PRICE A DOOR



RIGHT-HAND or LEFT-HAND DOOR?

RIGHT-HAND door

LEFT-HAND door



COLOURS

all colours and surface materials

can be found on page 261

ECO TOP

Surface finish as a perfect combination of price and quality for long-lasting domestic use.

HIGH TOP

ECO TOP surface finish with additional real wood grain effect.

UNI MAT PLUS

reinforced surface with silky tactile experience and special fingerprint-proof coating

LAMISTONE CPL

Surface finish with protective coating for resistance to wear and chemicals. Recommended for public utility buildings and used in door carpentry intensive service conditions, e.g. in hotels and offices.

SILKSTONE

LAMISTONE CPL surface finish with additional unique real wood grain effect

SILKSTONE CPL 0.5 mm

Surface finish featuring the properties and resistance of LAMINATE CPL 0.5 with additional unique real wood grain effect. Recommended for public utility buildings and used in door carpentry intensive service conditions, e.g. in hotels and offices.

LAMINATED

Highly resistant surface finish recommended for public utility buildings and used in heavy conditions in which door systems are used, e.g. in hotels and offices. * Difference in colour shades of door leaves and door frames are permissible.

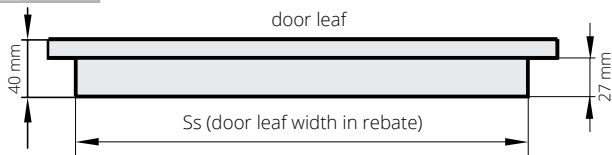
VENEERED

The VENEERED doors are coated with environment-friendly UV varnish. It is certainly more resistant to scratches and light than standard varnishes even when laid in multiple layers. The actual colour shades and wood grain of veneers may vary since natural veneers have been used.

PAINTED

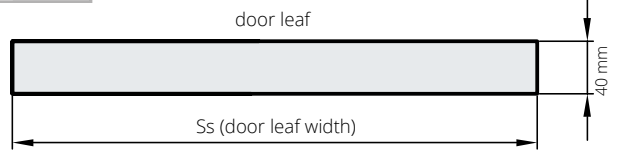
Environment-friendly acrylic paints, RAL and NCS colours* (except metallic ones) – available at an extra charge according to the colour specification table for particular models.

DIMENSIONS OF INTERIOR DOOR LEAVES



the rebated door leaves fit all door frames which comply with the industry standards

width (Ss)					height in rebate
618	718	818	918	928*	2020 (mm)



width (Ss)					height
625	725	825	925	950*	2040 (mm)

* width "90 plus"

Full range of dimensions of interior doors with door frames - p. 210-231

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NOTE!

WE WILL SOON INTRODUCE NEW PRODUCT CODES (NEW DOOR VERSION DESIGNATIONS)

You can already find them next to the icons of the individual door models, e.g:

previous code → **W02** / **V4S4** ← new code

interior entrance door

**burglar-proof, acoustic
to 42 dB, special door**

**special fire door
with 30 min and 60 min
fire resistance**

**expanded range of auxiliary
accessories**

ENTRANCE AND TECHNICAL DOOR

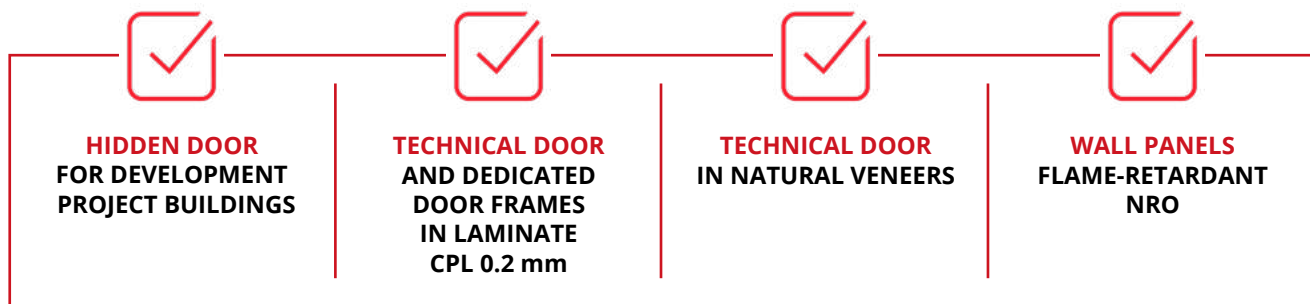
Entrance and technical doors with high fire resistance and soundproofing guarantee the safety and comfort of people inside the building.

Fire doors as high as 2.5 metres are available on request. In addition, a wide range of joinery finishes, including more than 80 colours, provides great freedom of choice. In addition, a wide range of joinery finishes, including more than 80 colours, provides great flexibility in matching the doors to individual functional and aesthetic requirements.



2
7





- Wood as the main structural material for our products (wood produced in our own sawmills)
- Declared product performance confirmed by tests in accredited laboratories
- Wide range of door leaves and door frames (painted, laminated, veneered)
- Coherent colour schemes for interior doors, technical doors, wall panels, skirting boards, and shaft doors.
- Range of two-coloured doors
- Availability of personalised doors with decorative ornaments, aluminium decors, stainless steel panels, pictograms
- Protectors of door leaf edges with ABS edging or stainless steel profiles
- In-house production of metal frames, choice of colour schemes, texture, availability of two-coloured adjustable door frames
- Steel or wooden thresholds, colour-matched with other door elements
- Door frames adjustable to wall thickness and panel casings / portals for public utility building doors
- Width for public utility buildings at a standard price
- Glazed fire doors and EI30 fire toplights/ sidelights, escape doors
- Door acoustic performance of up to 42 dB
- Wide range of hidden aluminium door frames - HARMONY; HARMONY INVEST; HARMONY INVEST PRO

SPECIFICATION OF ACOUSTIC PARAMETERS

Door name	Rw test result	Class Rw	RA1 [dB]	RA2 [dB]	Class D1	Class D2
HARMONY INVEST	38 (-1;-2)	37	37	36	35	30
FR EI30 SR42, FR EI30 SR42 DM	43 (-1;-4)	42	42	39	40	35
RC3 wooden door frame, drop seal	33 (-1;-1)	32	32	32	30	30
RC4, RC4 EI30	37 (0; -1)	37	37	36	35	30
B-30, C-30, SR37	38 (0; -1)	37	38	37	35	35
RC3 wooden door frame, steel threshold	35 (-1; -1)	32	34	34	30	30
RC3, RC3 INVEST	33 (-1; -1)	32	32	32	30	30
Cerber Plus, Cerber Plus RC2 perforated chipboard, wooden door frame, drop seal	30 (0;0)	27	30	30	25	25
Cerber Plus, Cerber Plus RC2 solid chipboard, wooden door frame, drop seal	31 (0;-1)	27	31	30	25	25
Cerber Plus, Cerber Plus RC2 solid chipboard, metal door frame, drop seal	31 (-1; -1)	27	30	30	25	25
Cerber Plus, Cerber Plus RC2 chipboard, in-fill, wooden door frame, drop seal	37 (-2; -3)	37	35	34	30	30
Cerber Plus, Cerber Plus RC2 chipboard, in-fill, wooden door frame, threshold	40 (-1; -4)	37	39	36	35	30
Cerber Plus, Cerber Plus RC2 chipboard, in-fill, metal door frame, drop seal	37 (-1; -3)	37	36	34	30	30
RC3 INVEST 37 dB	37 (-1; -2)	37	36	35	30	30
AKUSTIK 42 dB	42 (-1;-4)	42	41	38	35	35

Things worth noticing when placing orders for public utility development buildings, i.e. hospitals, schools, administration offices, medical care units etc.

1. DOOR LEAF TYPE

It is recommended to offer plain door leaves with panelled structure, i.e. DECO, DECO INVEST, IMPULS, HAPTIC, INTER-AMBER, CAMBIO etc.

2. APPROPRIATE SELECTION OF THE DOOR MECHANICAL CLASS

Minimum **mechanical class 2** acc. to PN-EN 1192:2001. It is recommended to offer interior doors in mechanical class 3. Special reinforced design: type C, type K or three-part type T hinges, LOB lock with stainless steel face plate.

3. COMPLYING WITH THE REQUIREMENTS FOR THE CLEARANCE

For doors with the 90-degree opening angle, the "90 Plus" with should be offered.
The "90 plus" door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

4. SUITABLE HINGES

We recommend offering the following types of hinges:
- type T for steel and DIN door frame,
- type C for wooden door frame and type K for DIN door frame.

5. SUITABLE DOOR FRAME

We recommend offering primarily steel door frames, DIN door frames, wooden door frames (fixed and adjustable). We do not offer the fixed MDF door frame for public utility buildings.

6. DOOR LEAF IN-FILLS

We recommend offering the perforated chipboard in-fill. The solid board is optional.

7. SUITABLE COATING OF DOOR LEAVES AND FRAMES.

We recommend offering at least the LAMISTONE surface finish. Recommended coatings: CPL, HPL. As means of additional protection, we recommend suggesting stainless steel panels at handle height and at the bottom of the door leaf. Stainless steel edge guards.

8. We recommend offering HIGRO door **FOR INTERIORS** with increased humidity.

The door is designed for interiors in which the permissible relative air humidity is up to 90% and temperature does not exceed 65°C. The door must not be directly exposed to water.

9. **FOR HOSPITALS, SCHOOLS**

We recommend offering the DECO INVEST door leaves with a metal door frame and stainless steel panels and covers. The 0.8 mm thick ABS edging is available.

10. DOOR CLOSER

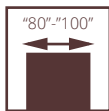
Choose the right type of the door closer for your door type. Reinforcement for the door closer should be used in the door.

ACOUSTIC COMPARISON OF DOORS ACC. TO THE PN-B-02151-3:201 STANDARD

Type of building	Exemplary applications	Requirements	Exemplary door names
multi-family buildings	doors for flats	$R_{a1R} \geq 30$ dB	B-30, C-30, RC3, SR37, Cerber Plus SR37, Cerber Plus RC2 SR37, RC4, RC4 EI30, RC3 INVEST, RC3 INVEST 37 dB
higher category hotels	doors between the hotel room and the general communication area (corridors, halls, staircases)	$R_{a1R} \geq 35$ dB	Ei30 of the system SR42, Type B DUO, Harmony Invest
lower category hotels	tourist standard hotels, boarding houses, holiday houses	$R_{a1R} \geq 30$ dB	Ei30 system, Ei30 system SR42, Ei30 Plus, Ei60 Plus, Typ B, Typ B DUO, Harmony Invest
collective dwelling facilities	student dormitories, boarding schools, workers' hostels, children's homes, social welfare homes	$R_{a1R} \geq 30$ dB	B-30, C-30, RC3, SR37, Cerber Plus SR37, Cerber Plus RC2 SR37, RC4, RC4 EI30, RC3 INVEST, Harmony Invest
hospitals	doctors' consulting rooms	$R_{a1R} \geq 35$ dB	Ei30 of the system SR42, Type B DUO, Harmony Invest
	doctors and nurses rooms	$R_{a1R} \geq 30$ dB	Ei30, Ei30 system SR42, Ei30 Plus, Ei60 Plus, Typ B, Typ B DUO, Harmony Invest

SPECIFICATION OF BURGLAR-PROOF DOOR

Type of building	Burglary resistance	Door name
multi-family buildings – doors for flats	class RC4 (acc. to PN-EN 1627:2012)	RC4, RC4 EI30
	class RC2 (acc. to PN-EN 1627:2012)	Cerber Plus RC2
	class RC3 (acc. to PN-EN 1627:2012)	B-30, C-30, RC3, RC3 INVEST, RC3 INVEST 37 dB
	Class C (acc. to PN-B-92270:1990)	C-30, RC4, RC4 EI30



B-30 door, pattern W00, one-sidedly adjustable door frame

BURGLAR-PROOF DOOR

B-30/C-30

NOTE! In order to meet the fire resistance conditions, a door closer compliant with the requirements of the PN-EN 1154:1999/A1:2004/AC:2010 standard, door handles compliant with the requirements of the PN-EN 1906:2012 (min. class B with regard to fire resistance and min. class 3 with regard to burglary resistance), lock cylinders compliant with the requirements of the PN-EN 1303:2015 standard (min. class 4 key-related resistance, min. class 1 attack resistance and class B fire resistance).

Interior entrance door leading from corridors or staircases to e.g. flats in multi-family buildings or rooms in public utility buildings.

Door leaf built of a wooden rail and stile set topped with two HDF boards. The in-fill is a special structure. The leaf thickness is 56 mm.

Burglary resistance
B-30 – class RC3 acc. to PN-EN 1627:2012
C-30 – class RC3 acc. to PN-EN 1627:2012
– class C acc. to PN-B-92270:1990
Smoke control – class Sa, S₂₀₀
Fire resistance – class EI₂30
Acoustic insulation capacity – D1-35, D2-35, R_w=37 dB
mechanical strength class 4 acc. to PN-EN 1192:2001
National Technical Assessment ITB– KOT-2018/0713 issue 1
National certificate of Constancy of Performance no 020-UWB-2728/W



B-30 door, pattern W00, fixed wooden door frame



B-30



C-30



**ADJUSTABLE DOOR FRAME
FOR ENTRANCE DOOR
- p. 174**

VERSION	W00
LAMISTONE CPL	
UNI MAT PLUS	
SILKSTONE	
SILKSTONE CPL 0.5 mm	
LAMINATED CPL 0.2 mm	
PAINTED (RAL 9003)*	
PAINTED - beige, grey	
PAINTED - black, sage	
VENEERED GROUP A	
VENEERED GROUP B	
VENEERED GROUP C, D	
SILKWOOD	

*standard colour for wooden leaves and frames - white RAL 9003.

extra charge added to the basic colour white (RAL 9003)
acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V
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VERSION	W00
LAMISTONE CPL	
UNI MAT PLUS	
SILKSTONE	
SILKSTONE CPL 0.5 mm	
LAMINATED CPL 0.2 mm	
PAINTED (RAL 9003)*	
PAINTED - beige, grey	
PAINTED - black, sage	
VENEERED GROUP A	
VENEERED GROUP B	
VENEERED GROUP C, D	
SILKWOOD	

extra charge CPL 0.5 mm, CPL 0.7 mm to door in CPL
laminated coating (extra charge to standard door height)

CPL 0.5 mm ("60" - "90")	CPL 0.7 mm ("60" - "90")	CPL 0.5 mm ("90+" - "110")	CPL 0.7 mm ("90+" - "110")
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oak threshold



multi-point lock



upper rose



hinge



security bolts



multi-point lock

DOOR DIMENSIONS

Fixed or adjustable wooden door frame:

standard: 1012x2075 mm
optional: 980x2075 mm, 880x2075 mm, 1012x2000 mm, 980x2000 mm, 880x2000 mm, 1012x1950 mm, 980x1950 mm, 880x1950 mm

max. width 1112 mm, max. height 2175 mm

ATTENTION! The C-30 door wider than 1012 mm or higher than 2075 mm are not smoke-proof.

WIDTH FOR PUBLIC UTILITY BUILDINGS!

90 Plus width - 1032x2075 mm.

The 1032 mm door width provides a min. clearance of 900 mm for door leaves with the 90° opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil.

Flat decors, made of decorative profiled mouldings, aluminium decors available (subject to the consultation with the Sales Department).

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.

Fixed wooden pine - optionally with masking strips, quarter round.

Wooden adjustable with widening panels, angle architraves and a masking strip. Optional: 210 mm wide and 16 mm thick side architrave (vertical elements).

- p. 257.

ACCESSORIES AND EQUIPMENT

Standard equipment of the B-30 door:

- pivot hinges adjustable in 3 planes by OTLAV
- four-point bolt lock by LOB (2 bolts, 2 hooks) for cylinder with a spacing of 72 mm
- burglar-proof bolts - 5 pcs
- oak threshold in the colour of natural oak, black, grey, brown with an aluminium strip to provide protection against excessive wear

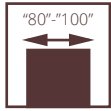
Standard equipment of the C-30 door:

- pivot hinges adjustable in 3 planes by OTLAV
- five-point bolt lock by LOB (2 bolts, 3 hooks) for cylinder with a spacing of 72 mm
- Complete set of class 6 cylinders
- handle and upper rose by GARDA with cylinder protector - colour of inox
- burglar-proof bolts - 5 pcs
- oak threshold in the colour of natural oak, black, grey, brown with an aluminium strip to provide protection against excessive wear

Additional equipment for B-30:

- aluminium decors, decorative elements, surface or hidden door closer, electromagnetic lock by DORMAKABA, reed switch
- GARDA handle in the colour of inox
- GARDA rose in the colour of inox
- a set of class 6 cylinders in the colour of nickel-matt
- GARDA handle in the colour of black

- GARDA upper rose in the colour of black
 - a set of class 6 cylinders in the colour of black - from
 - width of 1112 mm
 - height of 2175 mm
 - panoramic viewer - stainless steel; brass, anthracite, black matt
- Additional equipment for C-30:**
- decorative elements, top or hidden door closer, electromagnetic lock by DORMAKABA, reed switch
 - aluminium decors, new patterns - p. 201
 - GARDA handle colour change to black
 - GARDA upper rose colour change to black
 - class 6 cylinder colour change to black
 - width of 1112 mm
 - height of 2175 mm
 - standard oak threshold colour change to the colour of black, grey, brown - (p. 207)
 - edging colour change to the colour of grey, graphite, black
 - panoramic viewer - stainless steel; brass, anthracite, black matt



BURGLAR-PROOF DOOR RC4

Interior entrance doors are designed as closures for interior passages between a staircase or a corridor and rooms. Inward-opening and outward-opening. Special structure based on a solid **wooden rail and stile set** reinforced with plywood. The in-fill is a set of chipboards reinforced with steel rods. Leaf thickness: 50 mm. Fixed metal door frame made of 1.5 mm thick DC01 metal sheet, stainless steel 1.5 mm thick threshold.

Burglary resistance: **class RC4** acc. to PN-EN 1627:2012 and **class C** acc. to PN-B-92270:1990
Acoustic insulation capacity: **Rw= 37 dB, D₁-35, D₂-30**
Mechanical strength: **class 4** acc. to PN-EN 1192:2001
Mechanical durability: **class 5** acc. to PN-EN 12400:2004
National Technical Assessment: **ITB- KOT-2019/0804 issue 2**

RC4 door, pattern 00, fixed metal door frame

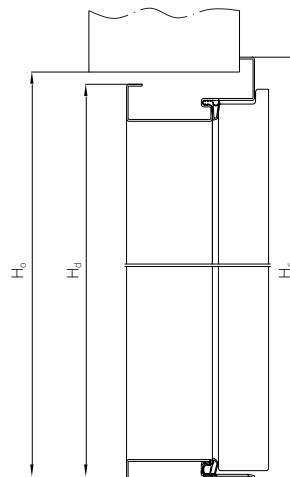
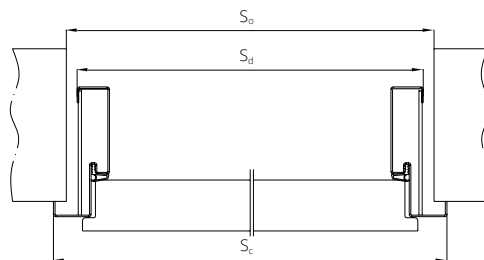


RC4 door, pattern 00, fixed metal door frame

RC4



FIXED METAL DOOR FRAME



VERSION flush leaf 00

- UNI MAT PLUS
- LAMINATED CPL 0.2 mm
- LAMISTONE CPL
- SILKSTONE
- SILKSTONE CPL 0.5 mm
- PAINTED – white
- PAINTED – grey, beige
- PAINTED - black, sage
- VENEERED GROUP A
- VENEERED GROUP B
- VENEERED GROUP C, D
- SILKWOOD



Metal RC4 fixed door frame, DC01 metal sheet, thickness: 1.5 mm

Stainless steel threshold, thickness: 1.5 mm

The door leaf price includes **cylinders and handle**. The technical parameters refer to a set including a door leaf, a metal door frame and a stainless steel threshold. **In order to comply with the national technical assessment, it is required to purchase a complete door set, i.e. door leaf, metal door frame and stainless steel threshold.**



stainless steel threshold

	width [mm]			height [mm]		
	Sc	Sd	So	Hc	Hd	Ho
"80"	904	860	880	1966	1944	1954
"90"	1004	960	980	2066	2044	2054
"90 Plus"	1024	980	1000	2166	2144	2154
"100"	1104	1060	1080			

Colours of metal door frames (p. 223)

*extra charge added to the basic colour white (RAL 9003) acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V
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multi-point lock



multi-point lock



hinge

DOOR DIMENSIONS

Door with the metal door frame:
 904x2066 mm, 1004x2066 mm, 1104x2066 mm
 Doors with non-standard heights are available. Maximum dimension 1104x2166 mm

WIDTH FOR PUBLIC UTILITY BUILDINGS!
The 90 Plus version (it allows getting a min. clearance of 900 mm for the door leaf with a 90° opening angle) 1024x2071 mm

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Decorations made of decorative profiled mouldings available.

DOOR FRAMES

Fixed metal frame made of 1.5 mm thick DC01 metal sheet powder-coated in white (RAL 9016 and RAL 9003), grey (RAL

7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

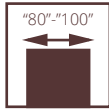
ACCESSORIES AND EQUIPMENT

- Standard equipment of the set**
- five-point bolt lock
 - object 3D adjustable angular hinges – 2 pcs
 - security bolts - 5 pcs
 - a set of class 6 cylinders in the colour of nickel-matt
 - TORONTO handle and rose by Axa - silver colour
 - fixed metal door frame made of 1.5 mm thick DC01 metal sheet
 - stainless steel 1.5 mm thick threshold
 - incompatible with a hidden door closer

* extra charge to standard door height

Additional equipment

- extra charge for CPL 0.5 mm laminate *:
 width "80"- "90" - width "90+","100" - width 1104 mm , height 2166 mm
- extra charge for CPL laminate 0.7 mm*:
 width "80"- "90" - width "90+","100" -
- extra charge for a width of 1104 mm
- extra charge for a height of 2166 mm
- TORONTO handle colour change to black -
- TORONTO upper rose colour change to black -
- class 6 cylinder colour change to black - surface-mounted door closer, reed switch - p. 203-207
- edging colour change to the colour of grey, graphite, black -
- panoramic viewer - stainless steel, brass, anthracite, black matt



RC4 EI30 door, pattern 00, fixed metal door frame

RC4 EI30

NOTE! To fulfil the fire resistance conditions, the door should be provided with a door closer compliant with the PN-EN 1154:1999/A1:2004/AC:2010 standard.

Interior entrance door are designed as closures for interior passages between a staircase or a corridor and rooms. Inward-opening and outward-opening.
Special structure based on a solid **wooden rail and stile set** reinforced with plywood. The in-fill is a set of chipboards reinforced with steel rods. Leaf thickness: 50 mm. Fixed metal door frame made of 1.5 mm thick DC01 metal sheet, stainless steel 1.5 mm thick threshold.

Burglary resistance: **class RC4** acc. to PN-EN 1627:2012 and **class C** acc. to PN-B-92270:1990

Fire resistance – **class EI₃₀**

acoustic insulation capacity: **Rw= 37 dB, D₁-35, D₂-30**

Mechanical strength: **class 4** acc. to PN-EN 1192:2001

Mechanical durability: **class 5** acc. to PN-EN 16034: 2014

National Technical Assessment: **ITB- KOT-2019/0804 issue 2**

National Certificate of Constasy of Performance

no 020-UWB-2815/W



multi-point lock



hinge

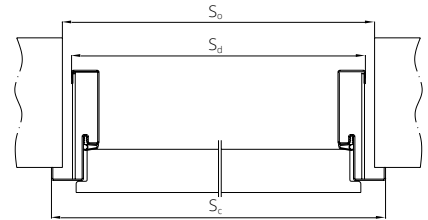


RC4 EI30 door, pattern 00, fixed metal door frame

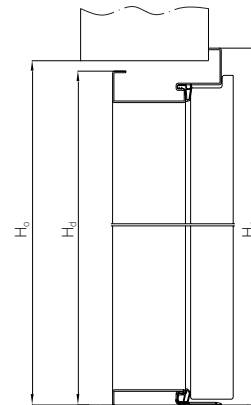


FIXED METAL DOOR FRAME

	width [mm]		
	Sc	Sd	So
"80"	904	860	880
"90"	1004	960	980
"90 Plus"	1024	980	1000
"100"	1104	1060	1080



	height [mm]		
	Hc	Hd	Ho
	1966	1944	1954
	2066	2044	2054
	2166	2144	2154



VERSION

flush leaf 00

- UNI MAT PLUS
- LAMINATED CPL 0.2 mm
- LAMISTONE CPL
- SILKSTONE
- SILKSTONE CPL 0.5 mm
- PAINTED – white
- PAINTED – grey, beige
- PAINTED - black, sage
- VENEERED GROUP A
- VENEERED GROUP B
- VENEERED GROUP C, D
- SILKWOOD

Metal RC4 fixed door frame, DC01
metal sheet, thickness: 1.5 mm
Stainless steel 1.5 mm
thick threshold

The door leaf price includes **cylinders and handle**. The technical parameters refer to a set including a door leaf, a metal door frame and a stainless steel threshold. **In order to comply with the national technical assessment, it is required to purchase a complete door set, i.e. door leaf, metal door frame and stainless steel threshold.**

extra charge added to the basic colour white (RAL 9003)
acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V



Toronto handle and rose in the colour of black



stainless steel threshold

extra charge CPL 0.5 mm, CPL 0.7 mm to door in CPL laminate coating (extra charge to standard door height)

CPL 0.5 mm ("60" - "90")	CPL 0.7 mm ("60" - "90")	CPL 0.5 mm ("90+" - "110")	CPL 0.7 mm ("90+" - "110")

DOOR DIMENSIONS

Door with the metal door frame:
904x2066 mm, 1004x2066 mm, 1104x2066 mm
max. width 1104 mm, max. height 2166 mm
doors with non-standard heights are available

WIDTH FOR PUBLIC UTILITY BUILDINGS!
90 Plus width - 1024x2066 mm.
The 1024 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil.
Flat decors made of decorative profiled mouldings available (subject to the consultation with the Sales Department).

DOOR FRAMES

Fixed metal door frame made of sheet steel of a thickness of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department.

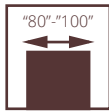
ACCESSORIES AND EQUIPMENT

- Standard equipment:**
- five-point bolt lock
 - object 3D adjustable angular hinges – 3 pcs
 - security bolts - 5 pcs
 - Toronto handle and rose by Axa - silver colour
 - a set of class 6 cylinders in the colour of nickel-matt
 - intumescent seals
 - fixed metal door frame made of 1.5 mm thick DC01 metal sheet
 - stainless steel 1.5 mm thick threshold
 - incompatible with a hidden door closer

- Additional equipment:**
- width "100"
 - higher by 100 mm
 - extra charge for CPL 0.5 mm laminate *:
width "80"- "90"; width "90+" - "100"
 - extra charge for the CPL 0.7 mm laminate*:
width "80"- "90"; width "90+" - "100"
 - decorations, surface-mounted door closer, reed switch
 - EMC 600 ALH electromagnetic lock
 - panoramic viewer - stainless steel
brass, anthracite, black matt
 - TORONTO handle colour change to black
 - TORONTO upper rose colour change to black
 - class 6 cylinder colour change to black - from
- leaf edging in the colour of black, grey or graphite
 - arm, rail door closers - p. 205

* extra charge to standard door height

NOTE! To fulfil the fire resistance conditions, the door should be provided with a door closer compliant with the PN-EN 1154:1999/A1:2004/AC:2010 standard.



BURGLAR-PROOF DOOR

RC3 RC3 INVEST

NOTE! To ensure that the door meets burglary resistance specifications, door handles should comply with the PN-EN 1906:2012 standard (min. class 3 burglary resistance) and lock cylinders should comply with the requirements of the PN-EN 1303:2015 standard (min. class 4 key-related resistance and min. class 1 attack resistance).

Interior entrance door from corridors or staircases to, e.g., flats in multi-family buildings or rooms in public utility buildings.

Door leaf built of a wooden rail and stile set topped with two HDF boards. The in-fill is a special ONE structure. Leaf thickness: 50 mm.

RC3, RC3 INVEST

- Burglary resistance class RC3 acc. to PN-EN 1627:2012
- Acoustic insulation capacity – D1-30, D2-30, Rw=32 dB
- class 4 mechanical strength acc. to PN-EN 1192:2001
- National Technical Assessment ITB –KOT-2018/0713 issue 1

door RC3, pattern W0, fixed wooden door frame



door RC3, pattern W0, fixed wooden door frame



RC3 INVEST door, pattern W0, fixed metal door frame

RC3



RC3 door with a wooden door frame

VERSION

UNI MAT PLUS
LAMINATED CPL 0.2 mm
LAMISTONE CPL
SILKSTONE
SILKSTONE CPL 0.5 mm
PAINTED - white
PAINTED - grey, beige
PAINTED - black, sage
VENEERED GROUP A
VENEERED GROUP B
VENEERED GROUP C, D
SILKWOOD

RC3 INVEST



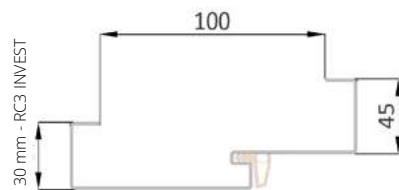
RC3 INVEST door with metal door frame

VERSION

UNI MAT PLUS
LAMINATED CPL 0.2 mm
LAMISTONE CPL
SILKSTONE
SILKSTONE CPL 0.5 mm
PAINTED - white
PAINTED - grey, beige
PAINTED - black, sage
VENEERED GROUP A
VENEERED GROUP B
VENEERED GROUP C, D
SILKWOOD

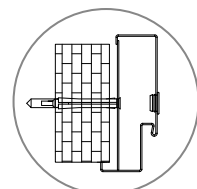
ADJUSTABLE DOOR FRAME FOR ENTRANCE DOOR
- p. 174

RC3 INVEST FIXED METAL FRAME

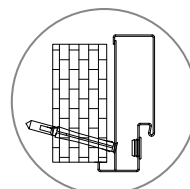


RC3 door with metal frame available with the BIRA ES 1 NC electric strike (symmetrical) - p. 205

CAUTION: NEW ARCHITRAVE WIDTH



anchor installation hole in the centre of the profile on the frame's body



anchor installation hole in the frame rabbet

*extra charge added to the basic colour white (RAL 9003) for door with a wooden door frame and leaves acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V
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Extra charge to the colours of metal door frames (p. 223)



handle



hinge

DOOR DIMENSIONS

RC3

Fixed or adjustable wooden door frame:

1012x2075 mm, 980x2075 mm, 880x2075 mm,
1012x2000 mm, 980x2000 mm, 880x2000 mm,
1012x1950 mm, 980x1950 mm, 880x1950 mm.
"100" door max. width 1112 mm, max. height 2175 mm

RC3 INVEST

Fixed metal door frame:

924x2077 mm, 1024x2077 mm

WIDTH FOR PUBLIC UTILITY BUILDINGS

90 Plus width - 1032 mm.

The 1032 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

WIDTH FOR PUBLIC UTILITY BUILDINGS

90 Plus width - 1044 mm.

The 1044 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Flat decors, made of decorative profiled mouldings, aluminium decors available (subject to the consultation with the Sales Department).

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.

Fixed wooden pine door frame - optionally with masking strips, quarter round.

Wooden adjustable with widening panels, angle architraves and a masking strip.

Optional: 210 mm wide and 16 mm thick side architrave (vertical elements) - p. 257.

ACCESSORIES AND EQUIPMENT

Standard equipment of RC3:

- 4 pivot hinges adjustable in 3 planes by OTLAV
- four-point bolt lock by FUHR (2 bolts, 2 hooks) for cylinder with a spacing of 92 mm
- security bolts - 5 pcs
- oak threshold in the colour of natural oak, black, grey, brown with an aluminium strip to provide protection against excessive wear

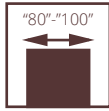
Standard equipment of RC3 INVEST:

- RC3 INVEST metal door frame
- stainless steel threshold
- mortise four-point bolt lock (2 bolts, 2 hooks), spacing: 92 mm, colour: silver
- pivot hinges adjustable in 3 planes in the colour of silver - 4 pcs
- security bolts - 5 pcs
- GARDA rose in the colour of inox
- GARDA handle (spacing: 92 mm) in the colour of inox
- a set of class 6 cylinders in the colour of nickel-matt

Additional equipment:

- extra charge for CPL 0.5 mm laminate *: width "80": "90"; width "90+": "100"
- extra charge for the CPL 0.7 mm laminate*: width "80": "90"; width "90+": "100"
- width 1104 mm, height 2166 mm
- decorative elements, surface-mounted or hidden door closer, electromagnet lock by DORMAKABA, reed switch - p. 203-207
- change of oak threshold to stainless steel threshold
- aluminium decors, new patterns - p. 201
- GARDA handle in the colour of inox
- GARDA rose in the colour of inox
- a set of class 6 cylinders in the colour of nickel-matt - from
- GARDA handle in the colour of black
- GARDA upper rose in the colour of black
- a set of class 6 cylinders in the colour of black - from
- "100" door width 1112 mm
- height of 2175 mm
- standard oak threshold colour change to the colour of black, grey, brown (p. 207)
- edging colour change to the colour of grey, graphite, black
- panoramic viewer - stainless steel; brass, anthracite, black matt
- electric strikes - p. 205

* extra charge to standard door height



90 PLUS
WIDTH
FOR PUBLIC
UTILITY
BUILDINGS



RC3 INVEST door, pattern W0, fixed metal door frame

BURGLAR-PROOF DOOR

RC3 INVEST 37 dB

NOTE! To ensure that the door meets burglary resistance specifications, door handles should comply with the PN-EN 1906:2012 standard (min. class 3 burglary resistance) and lock cylinders should comply with the requirements of the PN-EN 1303:2015 standard (min. class 4 key-related resistance and min. class 1 attack resistance).

Interior entrance door from corridors or staircases to, e.g., flats in multi-family buildings or rooms in public utility buildings.

Door leaf built of a wooden rail and stile set topped with two HDF boards. The in-fill is a special ONE structure. Leaf thickness: 57 mm.

RC3 INVEST SR 37 dB

- Burglary resistance class RC3 acc. to PN-EN 1627:2021
- Acoustic insulation capacity – D1-30, D2-30, R_w=37 dB
- class 4 mechanical strength acc. to PN-EN 1192:2001
- mechanical durability: class 5 acc. to PN-EN 12400:2004
- Manufactured in accordance with the PN-EN 14351-2:2018 standard



RC3 INVEST SR 37 dB door, pattern W0, fixed metal door frame

RC3 INVEST SR37 dB



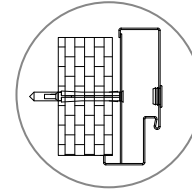
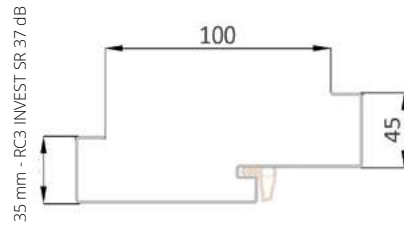
RC3 INVEST 37 dB door
with metal door frame

VERSION

UNI MAT PLUS
LAMINATED CPL 0.2 mm
LAMISTONE CPL
SILKSTONE
SILKSTONE CPL 0.5 mm
PAINTED – white
PAINTED – grey, beige
PAINTED - black, sage
VENEERED GROUP A
VENEERED GROUP B
VENEERED GROUP C, D
SILKWOOD

Extra charge to the colours of metal door frames (p. 223)

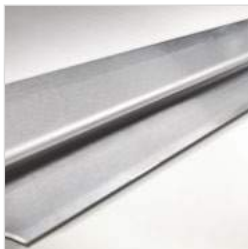
FIXED METAL DOOR FRAME RC3 INVEST SR 37 dB



anchor installation hole
in the centre of the profile on
the frame's body

*extra charge added to the basic colour white (RAL 9003) for door with a metal door frame and leaves acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V
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stainless steel threshold



RC3 INVEST 37dB hinge

DOOR DIMENSIONS

RC3 INVEST 37 dB
Fixed metal door frame:
920x2080 mm, 1020x2080 mm
"100" door max. width 1120 mm, max. height 2180 mm

WIDTH FOR PUBLIC UTILITY BUILDINGS
90 Plus width - 1040 mm.
The 1040 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil.
Flat decors, made of decorative profiled mouldings, aluminium decors available (subject to the consultation with the Sales Department).

DOOR FRAMES

Fixed metal door frame made of sheet steel of a thickness of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

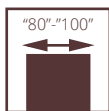
Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department.

ACCESSORIES AND EQUIPMENT

Standard equipment of RC3 INVEST 37 dB:
- RC3 INVEST metal door frame
- stainless steel threshold with rabbit seal
- security bolts - 4 pcs
- object 3D adjustable angular hinges – 2 pcs
- mortise four-point bolt lock (2 bolts, 2 hooks), spacing: 92 mm, silver colour

Additional equipment:
- extra charge for CPL 0.5 mm laminate *: width "80"- "90" - width "90+", "100"
- extra charge for the CPL 0.7 mm laminate*: width "80"- "90"; width "90+", "100"
- decorative elements, surface-mounted door closer, electromagnetic lock by DORMAKABA, reed switch - p. 203-207
- GARDA handle colour change to black
- GARDA upper rose colour change to black
- class 6 cylinder colour change to black
- "100" door width
- door higher by 100 mm
- edging colour change to the colour of grey, graphite, black
- panoramic viewer - stainless steel
brass, anthracite, black matt
- GARDA handle in the colour of inox (RC3 INVEST 37 dB door)
- GARDA rose in the colour of inox (RC3 INVEST 37 dB door)
- complete set of cylinders in the colour of inox (RC3 INVEST 37 dB door)

* extra charge to standard door height



BURGLAR-PROOF DOOR CERBER PLUS RC2

Interior entrance door leading from corridors or staircases to e.g. flats in multi-family buildings or rooms in public utility buildings.

Door with a fixed and adjustable wooden door frame or metal door frame. Door leaf built of a **wooden rail and stile set** topped with two HDF boards. The in-fill is made of perforated board, optionally solid board or special ONE structure (37dB version). The rated door leaf thickness is 46 mm.

acoustic insulation capacity:
class D1 – 25, D2 – 25, **class Rw=27 dB** (in-fill: perforated or solid board, door with threshold or drop seal)
class D1 – 30, D2 – 30, **class Rw=37 dB** (in-fill: door with a drop seal)
class D1 – 35, D2 – 30, **class Rw=37 dB** (in-fill: door with threshold)
burglary resistance: class RC2 acc. to PN-EN 1627:2012
mechanical strength class 3 acc. to PN-EN 1192:2001
National Technical Assessment ITB-KOT-2019/0742 issue 1

CERBER PLUS RC2 door, pattern 00, fixed metal door frame



CERBER PLUS RC2 door, pattern 00, fixed wooden one-sidedly adjustable door frame

CERBER PLUS RC2



**ADJUSTABLE DOOR FRAME
FOR ENTRANCE DOOR
- p. 174**

VERSION	flush 00		37 dB 00	
	with fixed wooden frame	with fixed metal frame	with fixed wooden frame	with fixed metal frame

UNI MAT PLUS

LAMINATED CPL 0.2 mm

LAMISTONE CPL

SILKSTONE

SILKSTONE CPL 0.5 mm

PAINTED – white

PAINTED – grey, beige

PAINTED - black, sage

VENEERED GROUP A

VENEERED GROUP B

VENEERED GROUP C, D

SILKWOOD

The technical parameters refer to a set including a door leaf, a metal door frame and a threshold. In order to comply with the national technical assessment conditions, it is required to purchase a complete door set, i.e. a door leaf, a door frame and a threshold.

Colours of metal door frames (p. 223)

extra charge CPL 0.5 mm, CPL 0.7 mm to door in CPL laminate coating (extra charge to standard door height)

CPL 0.5 mm ("60" - "90")	CPL 0.7 mm ("60" - "90")	CPL 0.5 mm ("90+" - "110")	CPL 0.7 mm ("90+" - "110")

extra charge added to the basic colour, white (RAL 9003) acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V

metal door frame

wooden oak threshold

**DOOR PRICE = DOOR LEAF PRICE
+ DOOR FRAME PRICE + THRESHOLD PRICE**



multi-point lock



multi-point lock



hinge



oak threshold for door frame
wooden

DOOR DIMENSIONS

Door with fixed or adjustable wooden door frame:

895x2067 mm, 995x2067 mm, 895x2000 mm, 995x2000 mm, 895x1950 mm, 995x1950 mm
max. width 1095 mm, max. height 2267 mm

Door with metal door frame:

917x2078 mm, 1017x2078 mm, 917x2011 mm, 1017x2011 mm, 917x1961 mm, 1017x1961 mm
max. width 1117 mm, max. height 2278 mm

WIDTH FOR PUBLIC UTILITY BUILDINGS

90 Plus width - 1005x2067 mm.

The 1005 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

WIDTH FOR PUBLIC UTILITY BUILDINGS

90 Plus width - 1027x2078 mm.

The 1027 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil.

Flat decorations made of decorative profiled mouldings available, aluminium decors.

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.

Fixed wooden pine - optionally with masking strips, quarter round.

Wooden adjustable with widening panels, angle architraves and a masking strip.

Fixed metal frame made of 1.5 mm thick DC01 metal sheet powder-coated in white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005). Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department.

ACCESSORIES AND EQUIPMENT

Standard equipment

Door with (fixed or adjustable) wooden door frame:

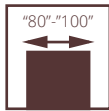
- adjustable screw-in pivot hinges – 3 pcs
- four-point bolt lock
- reinforced adjustable striker plates (except doors with a metal door frame)
- security bolts - 3 pcs
- viewfinder Ø 15
- oak threshold in the colour of natural oak, black, grey, brown with an aluminium strip provided for protection against excessive wear (for wooden door frame)
- oak threshold (applicable to metal door frame)

Additional equipment

- solid board in-fill
- aluminium decors - p. 201 (except version 37dB)
- complete set of minimum class 4 cylinders
- minimum class 2 handles and roses
- drop seal (without a threshold)
- decorations - p. 186

- hinge caps (1 piece):

- white/brown, chrome/nickel matt
- change of oak threshold to stainless steel threshold (applicable to metal door frame)
- GARDA handle in the colour of black
- GARDA handle in the colour of inox
- GARDA upper rose in the colour of black
- GARDA upper rose in the colour of inox
- a set of class 6 cylinders in the colour of black
- a set of class 6 cylinders in the colour of nickel-matt
- width 1095 mm (wooden door frame)
- width 1117 mm (metal door frame)
- height 2167 mm (wooden door frame)
- height 2178 mm (metal door frame)
- height 1950 mm (wooden door frame)
- height 1961 mm, 2011 mm (metal door frame)
- height 2267 mm (wooden door frame)
- height 2278 mm (metal door frame)
- edging colour change to the colour of grey, graphite, black
- panoramic viewer - stainless steel; brass, anthracite, black matt



INTERIOR ENTRANCE CERBER PLUS

Door with wooden or metal door frame. Door leaf built of a **wooden rail and stile set** topped with two HDF boards. The in-fill is made of perforated board, optionally solid board or special ONE structure (37dB version). Rated leaf thickness: 46 mm.

acoustic insulation capacity:
class D1 – 25, D2 – 25, **class Rw=27 dB** (in-fill perforated or solid board, door with threshold or drop seal)
class D1 – 30, D2 – 30, **class Rw=37 dB** (in-fill ONE door with a drop seal)
class D1 – 35, D2 – 30, **class Rw=37 dB** (in-fill ONE door with threshold)
mechanical class 3 acc. to the PN-EN 1192:2001 standard
National Technical Assessment ITB-KOT-2019/0742 issue 1

CERBER PLUS door, pattern 00, fixed wooden door frame



CERBER PLUS door, pattern 00, one-sidedly adjustable wooden door frame



ADJUSTABLE DOOR FRAME
FOR ENTRANCE DOOR
- p. 174

VERSION	flush 00		37 dB 00	
	with fixed wooden frame	with door frame fixed metal	with fixed wooden frame	with door frame fixed metal

- UNI MAT PLUS
- LAMINATED CPL 0.2 mm
- LAMISTONE CPL
- SILKSTONE
- SILKSTONE CPL 0.5 mm
- PAINTED - white
- PAINTED - grey, beige
- PAINTED - black, sage
- VENEERED GROUP A
- VENEERED GROUP B
- VENEERED GROUP C, D
- SILKWOOD
- Colours of metal door frames (p. 223)

extra charge CPL 0.5 mm, CPL 0.7 mm to door in CPL laminate coating (extra charge to standard door height)

CPL 0.5 mm ("60" - "90")	CPL 0.7 mm ("60" - "90")	CPL 0.5 mm ("90+" - "110")	CPL 0.7 mm ("90+" - "110")
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The technical parameters refer to a set including a door leaf, a metal door frame and a threshold.
In order to comply with the national technical assessment conditions, it is required to purchase a complete door set, i.e. a door leaf, a door frame and a threshold.

metal door frame
wooden oak threshold

extra charge added to the basic colour white (RAL 9003) acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V
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handle



upper rose



upper rose



oak threshold

DOOR DIMENSIONS

Door with fixed or adjustable wooden door frame:
895x2067 mm, 995x2067 mm, 895x2000 mm, 995x2000 mm
895x1950 mm, 995x1950 mm
"100" door max. width -1095 mm, max. height 2267 mm

Door with metal door frame:
917x2078 mm, 1017x2078 mm, 917x2011 mm, 1017x2011 mm,
917x1961 mm, 1017x1961 mm
"100" door max. width -1117 mm, max. height 2278 mm

WIDTH FOR PUBLIC UTILITY BUILDINGS
90 Plus width - 1005 mm
The 1005 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

WIDTH FOR PUBLIC UTILITY BUILDINGS
NOTE! 90 Plus width - 1027 mm
The 1027 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Flat decorations made of decorative profiled mouldings available, aluminium decors.

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.
Fixed wooden pine - optionally with masking strips, quarter round.
Wooden adjustable with widening panels, angle architraves and a masking strip.

Fixed metal frame made of 1.5 mm thick DC01 metal sheet powder-coated in white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department.

ACCESSORIES AND EQUIPMENT

Standard equipment:
Door with wooden door frame
- pivot hinges adjustable in 3 planes by OTLAV - 3 pcs
- two independent three-bolt cylinder locks
- security bolts - 2 pcs
- viewer Ø15
- oak threshold in the colour of natural oak, black, grey, brown with an aluminium strip to provide protection against excessive wear
- reinforced striker plates for locks
Door with metal door frame
- pivot hinges adjustable in 3 planes by OTLAV - 3 pcs
- two independent three-bolt cylinder locks
- security bolts - 2 pcs
- viewer Ø15
- oak threshold in the colour of natural oak, black, grey, brown
Additional equipment:
- solid board in-fill
- hinges with the closing function (only for the wooden door frame)
- drop seal (without a threshold)
- hinge caps (1 piece):
white/brown, chrome/nickel matt

- change of oak threshold to stainless steel threshold (applicable to metal door frame)
- aluminium decors, new patters - p. 201
- GARDA handle in the colour of inox
- GARDA upper rose in the colour of inox
- GARDA handle in the colour of black
- GARDA upper rose in the colour of black
- a set of class 6 cylinders in the colour of black
- a set of class 6 cylinders in the colour of nickel-matt
- width 1095 mm (wooden door frame)
- height 2167 mm (wooden door frame)
- height 2267 mm (wooden door frame)
- width 1117 mm (metal door frame)
- height 2178 mm (metal door frame)
- height 2278 mm (metal door frame)
- height 1950 mm, 2000 mm (wooden door frame)
- edging colour change to the colour of grey, graphite, black
- panoramic viewer - stainless steel; anthracite, black matt
- decorations - p. 186



TYPE A door, pattern 00, SYSTEM DIN adjustable door frame

ACOUSTIC

TYPE A / TYPE A DUO

TYPE B / TYPE B DUO

Single - or double-leaf **SOUNDPROOF DUO** door in the non-rebated system. The leaf structure consists of a **rail and stile set made of coniferous wood**, topped with HDF boards on both sides. The in-fill is made of solid chipboard (type A) or the special ONE structure (type B). The door is available in the single- and double-leaf version with a wooden frame (DUO fixed or DUO adjustable). Leaf with drop seal.

mechanical class: class 2 of mechanical resistance requirements, i.e. medium service conditions
National Technical Assessment ITB-KOT-2021/2041 release 1

	ACOUSTIC INSULATION CAPACITY R_w [dB]		
	door frame DIN	wooden door frame	metal door frame
TYPE A	27	27	27
Type B	37	32	37
TYPE A DUO (single- and double-leaf door)	-	27	-
TYPE B DUO (single-leaf variant)	-	37	-
TYPE B DUO (double-leaf variant)	-	32	-



TYPE A door, pattern 00, SYSTEM DIN adjustable door frame

**DOOR LEAF
TYPE A/TYPE B**



VERSION	TYPE A	Type B
UNI MAT PLUS		
LAMISTONE CPL		
SILKSTONE		
SILKSTONE CPL 0.5 mm		
LAMINATED CPL 0.2 mm		
PAINTED white*		
PAINTED beige, grey		
PAINTED black, sage		
VENEERED GROUP A		
VENEERED GROUP B		
VENEERED GROUP C, D		
extra charge added to the basic colour white (RAL 9003) acc. to RAL, NCS colour groups (p. 264)		
Group I	Group II	Group III
		Group IV
		Group V

**EXTRA CHARGES FOR NON-STANDARD
DIMENSIONS OF SOUNDPROOF DOORS**

DIN adjustable door frame
height to 2143 mm - extra charge
height to 2243 mm - extra charge
height to 2300 mm - extra charge
wooden (fixed or adjustable)
height 2164 mm (fixed) or 2167 mm (adjustable) - extra charge
height 2264 mm (fixed) or 2267 mm (adjustable) - extra charge
height 2143 mm (fixed) - extra charge
height 2464 mm, 2500 mm (fixed) - extra charge
metal door frame (fixed FD12 or adjustable)
height 2168 mm (fixed) or 2178 mm (adjustable) - extra charge
height 2268 mm (fixed) or 2278 mm (adjustable) - extra charge
DUO door frame (fixed or adjustable)
height 2183 mm - extra charge
height 2283 mm - extra charge
height 2383 mm (fixed) - extra charge
height 2483 mm, 2500 mm (fixed) - extra charge
* extra charge to door (door leaf+door frame)
** extra charge to door (door leaf+door frame)
+ extra charge for additional hidden hinge (1 piece)
*** extra charge to door (door leaf+door frame) + extra charge for additional hidden hinge (2 piece)
Colours of metal door frames (p. 223)

QUANTITY OF HINGES FOR SOUNDPROOF DOOR

DIN adjustable door frame (type K)	wooden fixed or adjustable door frame (typ C)	metal fixed FD12 or adjustable door frame (type M)	DUO fixed or adjustable door frame (hidden hinge)
height [mm] / quantity of hinges			
height 2043 - 3 pcs for a width of "60"-90"	height 2064 mm (fixed), 2067 mm (adjustable) - 3 pcs for a width of "60"-90"	height 2068 mm (fixed), 2078 mm (adjustable) - 3 pcs for a width of "60"-100"	height 2083 - 2 pcs, width "60"-80" - 3 pcs, width "90"-100"
height 2143 - 3 pcs	height 2164 mm (fixed), 2167 mm (adjustable) - 3 pcs	height 2168 mm (fixed), 2178 mm (adjustable) - 3 pcs	height 2183 - 3 pcs
height 2243 - 4 pcs	height 2264 mm (fixed), 2267 mm (adjustable) - 4 pcs	height 2268 mm (fixed), 2278 mm (adjustable) - 4 pcs	height 2283 - 3 pcs
height 2300 - 4 pcs	height 2364 mm (fixed) - 4 pcs	-	height 2383 mm (fixed) - 4 pcs
-	height 2464 mm (fixed) - 4 pcs	-	height 2483 mm (fixed) - 4 pcs
-	height 2500 mm (fixed) - 4 pcs	-	height 2500 mm (fixed) - 4 pcs

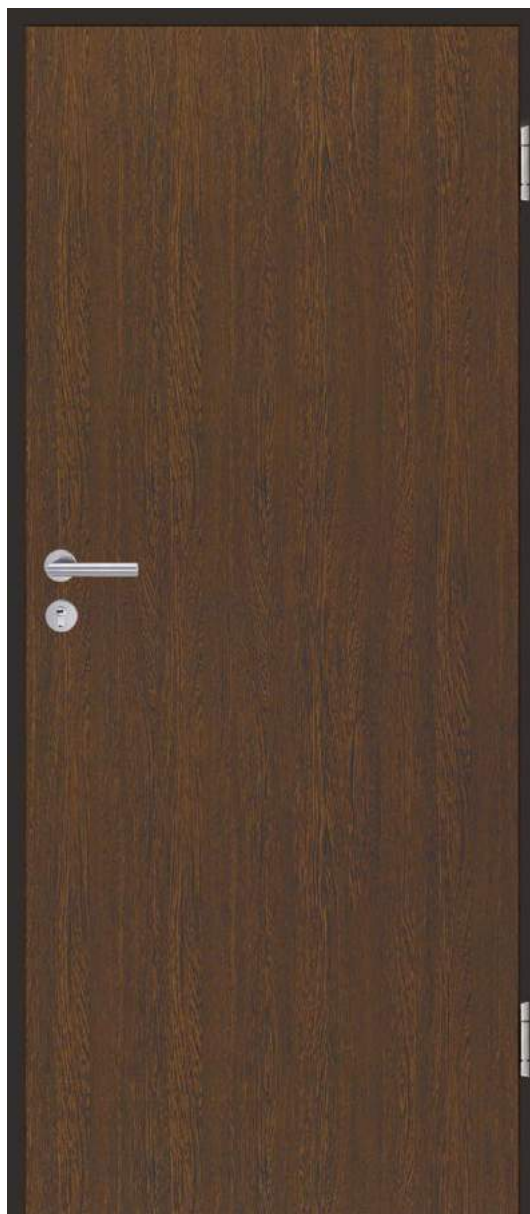
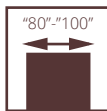
Non-standard heights (maximum height of door with DIN frame - 2300 mm - 4 pcs; maximum height of door with wooden frame - 2500 mm)

DOOR DIMENSIONS	TYPE A, TYPE B	TYPE A Duo, TYPE B Duo
	Wooden fixed door frame: max. width "110" - 1189 mm, max. height 2500 mm	Wooden fixed or adjustable DUO door frame: Single-leaf door: max. width "100" - 1093 mm, max. height 2500 mm Double-leaf door: max. width "100+100" - 2108 mm, max. height 2500 mm
	Wooden adjustable door frame: max. width "110" - 1195 mm, max. height 2267 mm	
	DIN adjustable door frame: max. width "100" - 1046 mm, max. height 2300 mm	
	Metal adjustable door frame: max. width "110" - 1217 mm, max. height 2278 mm	
	Metal fixed door frame FD12: max. width: "110" - 1197 mm, max. height 2268 mm	

DOOR LEAF FINISH Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Flat decorations made of decorative profiled mouldings, aluminium decors available (only version TYPE A).

DOOR FRAMES	DOOR FRAMES
Door frame painted, veneered, covered with CPL 0.15 mm laminate or foil matched to the colour of the door leaf.	FD12 fixed metal door frame made of 1.5 mm thick steel sheet with rabbet seal.
Fixed wooden pine - optionally with masking strips, quarter round.	Adjustable metal door frame made of sheet steel of a thickness of 1.5 mm
Wooden adjustable door frame with widening panels and angular architraves	Door frames, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).
DIN adjustable door frame - made of 22 mm thick MDF panels.	Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department. The door frame consists of a major part and an angular architrave inserted into the major part.
Wooden adjustable DUO door frame with widening panels and angular architraves	
Wooden fixed DUO pine door frame (TYPE A Duo, TYPE B Duo) - optionally with masking strips, quarter round.	

ACCESSORIES AND EQUIPMENT	ACCESSORIES AND EQUIPMENT
Standard equipment: TYPE A, TYPE B - pivot hinges adjustable in 3 planes by TKZ Polska - latch-and-deadbolt lock for cylinder or key - drop seal	Additional equipment: - surface-mounted door closer - additional mortise or surface-mounted lock - NC or NO electric doorstrike (TYPE A, TYPE B) - electromagnetic lock - panoramic viewer - stainless steel, brass, anthracite, black matt - electronic hotel locks - width "100" - width "110" - door higher by 50 mm or 100 mm - door higher by 150 mm or 200 mm - door higher by 250 mm or 300 mm - door higher by 350 mm or 400 mm - door higher by 50 mm or 100 mm (rebated sys.) - door lower by 55 mm or 100 mm (non-rebated sys.) - double-leaf door - no possibility to use doorstrike
TYPE A Duo, TYPE B Duo - hidden hinge (adjustable in 3 planes) - magnetic lock for cylinder or key for single-leaf door - latch-and-deadbolt lock for cylinder or key for double-leaf door - drop seal	
No possibility to use stainless steel shields on leaf edges. No possibility to use aluminium decors in version TYPE B.	



ACOUSTIC

AKUSTIK 42 dB



Door leaf made of chipboard covered with HDF board on both sides. Rated leaf thickness: 57 mm. Door leaf additionally equipped with drop seals as standard.

- acoustic insulation capacity: class $D_1 - 35$, $D_2 - 35$, class $R_w=42$ dB
- class 4 mechanical strength acc. to the PN-EN 1192:2001 standard
- class 5 mechanical strength 100 000 cycles
- Door approved for marketing based on the PN-EN 14351-2:2018 standard

AKUSTIK 42 dB door, fixed metal door frame



AKUSTIK 42 dB door, fixed metal door frame

AKUSTIK 42 dB



AKUSTIK METAL FIXED DOOR FRAME

"80", "90", "90 plus"

"100"

AKUSTIK METAL ADJUSTABLE DOOR FRAME

symbol	range in mm	"80", "90", "90 plus"	"100"
SR1	110-140		
SR2	140-170		
SR3	170-200		
SR4	200-230		
SR5	230-260		
SR6	260-290		
SR7	290-320		
SR8	320-350		

Colours of metal door frames (p. 223)

VERSION

flush 42 dB

LAMINATED CPL 0.2 mm

UNI MAT PLUS

LAMISTONE

SILKSTONE

SILKSTONE CPL 0.5 mm

PAINTED - white

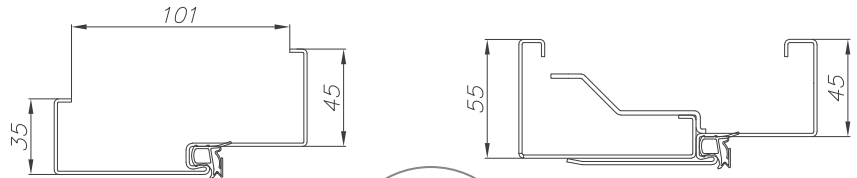
PAINTED - grey, beige

PAINTED - black, sage

VENEERED GROUP A

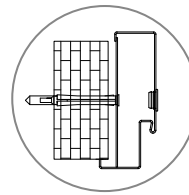
VENEERED GROUP B

VENEERED GROUP C, D

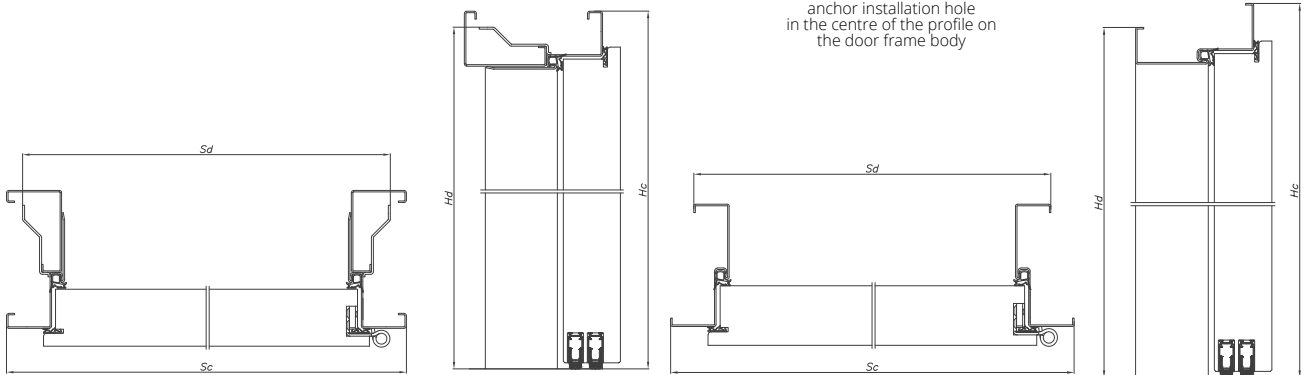


extra charge added to the basic colour, white (RAL 9003)
acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V
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anchor installation hole
in the centre of the profile on
the door frame body



AKUSTIK METAL ADJUSTABLE DOOR FRAME

WIDTH	Sc	Sd	So
"80"	922	891	897
"90"	1022	991	997
"90 plus"	1042	1011	1017
"100"	1122	1091	1097
	Hc	Hd	Ho
HEIGHT	2080	2064	2067

AKUSTIK METAL FIXED DOOR FRAME

WIDTH	Sc	Sd	So
"80"	922	876	895
"90"	1022	976	995
"90 plus"	1042	996	1015
"100"	1122	1076	1095
	Hc	Hd	Ho
HEIGHT	2080	2057	2067

DOOR DIMENSIONS

Door with the metal door frame:

Single-leaf door:
max. width of "100" - 1122 mm, max. height 2180 mm
Door of non-standard dimension is available - subject to
consultation with the Sales Department

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Decorations made of decorative profiled mouldings available.

DOOR FRAMES

Fixed or adjustable metal door frame made of 1.5 mm thick DC01 metal sheet powder-coated in white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

ACCESSORIES AND EQUIPMENT

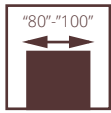
Standard equipment:

- object 3D hinges by ECO SCHULTE, OBX type - 2 pcs.
- LOB mortise lock
- drop seals 2 pcs.

Additional equipment:

- extra charge for CPL 0.5 mm laminate *: width "80"- "90" - width "90+"-"100"
- extra charge for CPL 0.7 mm laminate *: width "80"- "90"; width "90+"-"100"
- width "100" - 1112 mm
- panoramic viewer - stainless steel;
- anthracite, black matt
- electric NC, NO strike mounted on auxiliary lock, hotel locks, electromagnetic lock, reed switch, surface-mounted door closer, cylinder, decorations, stainless steel panels, decors

* extra charge to standard door height



ACOUSTIC SR 37 dB

Door leaf in rebated system. The leaf structure consists of a rail and stile set made of coniferous wood, topped with HDF boards on both sides. The in-fill is a special one structure. The rated door leaf thickness is 56 mm.

- acoustic insulation
- class $D_1 - 35, D_2 - 35$, class $R_w=37$ dB
 - class 4 mechanical strength acc. to the PN-EN 1192:2001 standard (door SR 37dB)
 - National Technical Assessment ITB-KOT-2018/0713 issue 1 (single-leaf door)

SR 37 dB acoustic door, fixed wooden door frame



SR 37 dB door, adjustable wooden door frame

SR 37 dB



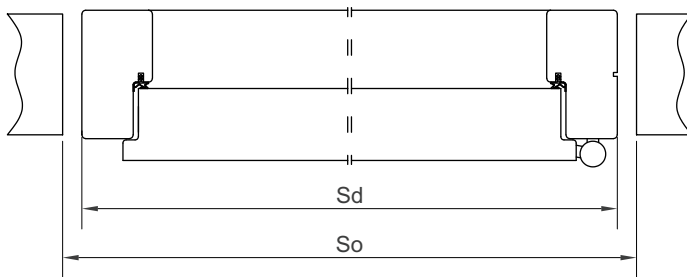
VERSION flush 37 dB

- LAMINATED CPL
- UNI MAT PLUS
- LAMISTONE
- SILKSTONE
- SILKSTONE CPL 0.5 mm
- PAINTED – white
- PAINTED – grey, beige
- PAINTED - black, sage
- VENEERED GROUP A
- VENEERED GROUP B
- VENEERED GROUP C, D

Colours of metal door frames (p. 223)

extra charge added to the basic colour, white (RAL 9003)
acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V
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door width	Sd	So
"80"	912	940
"90"	1012	1040
"90 plus"	1032	1060
"100"	1112	1140

DOOR DIMENSIONS

Fixed or adjustable wooden door frame:
Single-leaf door:
max. width of "100" – 1112 mm, max. height 2175 mm

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil.
Flat decors, made of decorative profiled mouldings, aluminium decors available (subject to the consultation with the Sales Department).

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm laminate or foil matched to the colour of the door leaf.

Fixed wooden pine door frame - optionally with masking strips, quarter round.

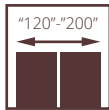
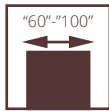
Wooden adjustable with widening panels, angle architraves and a masking strip.

ACCESSORIES AND EQUIPMENT

Standard equipment:
SR 37 dB single-leaf door:
- pivot hinges adjustable in 3 planes
- mortise lock
- oak threshold in the colour of natural oak, black, grey, brown with an aluminium strip to provide protection against excessive wear

Additional equipment:
- aluminium decors, decorations
- extra charge for CPL 0.5 mm laminate *: width "80"- "90"; width "90+"-"100"
- extra charge for CPL 0.7 mm laminate *: width "80"- "90"; width "90+"-"110"
- hidden automatic door closer
- additional mortise or surface-mounted lock
- NC or NO electric doorstrike
- electromagnetic locks
- electronic locks
- cylinders
- width "100" - 1112 mm
- height of 2175 mm
- panoramic viewer - stainless steel anthracite, black matt

* extra charge to standard door height



FIRE PROTECTION DOOR REBATED

FR EI30

with or without sidelights/toplights

NOTE! In order to meet the fire resistance conditions, use a door closer compliant with the requirements of the PN-EN 1154:1999/A1:2004/AC:2010 standard, door handles compliant with the requirements of the PN-EN 1906:2012 standard (min. class B with regard to fire resistance) and cylinders compliant with the requirements of the PN-EN 1303:2015 standard (class B with regard to fire resistance).

The doors are designed for use as interior entrance doors in residential buildings, collective dwellings, public utility and industrial buildings to close openings in interior walls, between staircases or corridors and rooms as determined by the PN-B-91000:1996 standard.

Door leaf in rebated system. The leaf structure consists of a rail and stile set made of coniferous wood, topped with HDF boards on both sides. The in-fill is a special one structure. The nominal leaf thickness is 50 mm for doors with $R_w = 32$ dB.

- Fire resistance EI₂30
- Acoustic insulation capacity class D₁ - 30, D₂ - 25, class $R_w=32$ dB
- class 3 mechanical strength acc. to the PN-EN 1192:2001 standard
- National Technical Assessment ITB-KOT-2020/1370 issue 1
- National Certificate of Constancy of Performance no 020-UWB-1937/W

FR 37 door, fixed wooden door frame



FR EI30 fire door, fixed wooden door frame

FR EI30



Exemplary hotel locks for FR EI30 door:

- Signature or Classic series by VingCard,
- LE8P series + XS4 series handle with access control by Salto,
- LOB 5500 Adel series, LOB 8005 series, LOB 8002 series by ASSA ABLOY Opening Solutions Poland S.A.
- HDL MF 20 series, HDL MF 20 N series, HDL MF 65 series by Hartmann Tresore,
- Be-Tech 6536M-65A series, Be-Tech Guardian RFID Elegant series, Be-Tech G1 series by Guangdong BeTech Security Systems Co. LTD,
- Ilco 790 RFID series, Saflok RT series, Saflok Quantum RFID series by Dormakaba,
- Trillium series, Advance series by Onity,

PATTERN

EI30 SR 32

EI30-1S

LAMINATED CPL 0.2 mm
UNI MAT PLUS
LAMISTONE
SILKSTONE
SILKSTONE CPL 0.5 mm
PAINTED – white
PAINTED – grey, beige
PAINTED - black, sage
VENEERED GROUP A
VENEERED GROUP B
VENEERED GROUP C, D

extra charge CPL 0.5 mm, CPL 0.7 mm to door in CPL laminate coating (extra charge to standard door height)

CPL 0.5 mm ("60" - "90")	CPL 0.7 mm ("60" - "90")	CPL 0.5 mm ("90+" - "110")	CPL 0.7 mm ("90+" - "110")
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PATTERN

EI 30-2

EI30-2S

EI30-3S

LAMINATED CPL
UNI MAT PLUS
LAMISTONE
SILKSTONE
SILKSTONE CPL 0.5 mm
PAINTED – white
PAINTED – grey, beige
PAINTED - black, sage
VENEERED GROUP A
VENEERED GROUP B
VENEERED GROUP C, D

*standard colour for wooden leaves and frames - white RAL 9003.

extra charge added to the basic colour white (RAL 9003) acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III
Group IV	Group V	

SIDELIGHTS AND TOPLIGHTS

ECO TOP
LAMINATED CPL
HIGH TOP
LAMISTONE
SILKSTONE
PAINTED – white
PAINTED – grey, beige
PAINTED - black, sage
VENEERED GROUP A
VENEERED GROUP B
VENEERED GROUP C, D

Sidelights and toplight on the fixed door frame profile 100mm x 55mm with EI30 fire resistance, maximum size of sidelights: 944mm x 2175mm, maximum size of toplights: 2152mm x 425mm, minimum size of a single sidelight/skylight side: 300mm (price per 1 m)
standard: transparent fireproof glass (m²)

Acoustic test result for FR EI30 flush single-leaf door with sidelight is Rw(C, Ctr) = 32 (0;-1) dB.

Acoustic test result for FR EI30 glazed single-leaf door with sidelight is Rw(C, Ctr) = 35 (0;-1) dB.

**sidelight/toplight price = price of 1mbx2 (A+B)
+ price of 1sq.m. of glass x A X B**

DOOR DIMENSIONS

Fixed wooden or adjustable 1012x2075 mm door frame
max. width "100" - 1112 mm, max. height 2175 mm

**WIDTH FOR PUBLIC UTILITY BUILDINGS
90 Plus width - 1032 mm.
The 1032 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.**

Double-leaf door:

"30"+"90"* (1352 mm), "40"+"90"* (1452 mm), "50"+"90"* (1552 mm), "60"+"90"* (1652 mm), "70"+"90"* (1752 mm), "80"+"90"* (1852 mm), "90"+"90"* (1952 mm);

*Door leaf with a width of "30", "40", "50", "60" only in the flush version.

max. width "100"+"100" – 2152 mm, max. height 2175 mm

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 mm to 0.7 mm, HPL laminate with a thickness of 0.7 mm to 1 mm or wood-alike foil. Flat decorations made of decorative profiled mouldings, aluminium decors available.

GLAZINGS

Transparent glass pane with EI30 fire resistance. Oak spacer painted, veneered or covered with foil in the colour matching the colour of the door leaf.

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.

Wooden pine fixed door frame - optionally with masking strips, quarter round.

Wooden adjustable with widening panels, angular architraves and a masking strip.

ACCESSORIES AND EQUIPMENT

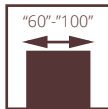
Standard equipment of FR EI30:

- pivot hinges adjustable in 3 planes
- mortise lock with cylinder
- drop seal

Additional equipment:

- decorations, stainless steel panels, aluminium decors
- EL560/EL561 electromotoric lock
- mortise coded (hotel) locks

- surface-mounted or hidden door closer
- additional mortise locks
- NC or NO electric doorstrikes
- reed switch
- electromagnetic lock
- electromagnetic holder



FIRE PROTECTION DOOR NON-REBATED DOOR

FR EI30 SR

without sidelight/
toplight

NOTE! In order to meet the fire resistance conditions, use a door closer compliant with the requirements of the PN-EN 1154:1999/A1:2004/AC:2010 standard, door handles compliant with the requirements of the PN-EN 1906:2012 standard (min. class B with regard to fire resistance and cylinders compliant with the requirements of the PN-EN 1303:2015 standard (class B with regard to fire resistance).



acoustic insulation

The doors are designed for use as interior entrance doors in residential buildings, collective dwellings, public utility and industrial buildings to close openings in interior walls, between staircases or corridors and rooms as determined by the PN-B-91000:1996 standard.

Door leaf in non-rebated system. The leaf structure consists of a rail and stile set made of coniferous wood, topped with HDF boards on both sides. The in-fill is a special one structure. The rated door leaf thickness is 57 mm.

- Fire resistance EI₃₀
- Acoustic insulation capacity class D₁ - 35, D₂ - 35, class Rw=37 dB
- class 3 mechanical strength acc. to the PN-EN 1192:2001 standard
- National Technical Assessment ITB-KOT-2020/1370 issue 1
- National Certificate of Constancy of Performance no 020-UWB-1937/W

FR EI30 SR door, fixed wooden door frame



FR EI30 SR fire door, fixed wooden door frame

FR EI30 SR



VERSION EI30 SR

- LAMINATED CPL 0.2 mm
- LAMINATED CPL 0.5 mm
- UNI MAT PLUS
- LAMISTONE
- SILKSTONE
- SILKSTONE CPL 0.5 mm
- PAINTED – white
- PAINTED – grey, beige
- PAINTED - black, sage
- VENEERED GROUP A
- VENEERED GROUP B
- VENEERED GROUP C, D

Exemplary hotel locks for FR EI30 SR door:

- Signature or Classic series by VingCard,
- LE8P series + XS4 series handle with access control by Salto,
- LOB 5500 Adel series, LOB 8005 series, LOB 8002 series by ASSA ABLOY Opening Solutions Poland S.A.
- HDL MF 20 series, HDL MF 20 N series, HDL MF 65 series by Hartmann Tresore,
- Be-Tech 6536M-65A series, Be-Tech Guardian RFID Elegant series, Be-Tech G1 series by Guangdong BeTech Security Systems Co. LTD,
- Ilco 790 RFID series, Saflok RT series, Saflok Quantum RFID series by Dormakaba,
- Trillium series, Advance series by Onity,

extra charge added to the basic colour white (RAL 9003) acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V

extra charge CPL 0.5 mm, CPL 0.7 mm to door in CPL laminate coating (extra charge to standard door height)

CPL 0.5 mm ("60" - "90")	CPL 0.7 mm ("60" - "90")	CPL 0.5 mm ("90+" - "110")	CPL 0.7 mm ("90+" - "110")

DOOR DIMENSIONS

Fixed wooden or adjustable door frame
1012x2075 mm
single-leaf door
width "60" - "100" – 1112 mm, max. height 2175 mm

**WIDTH FOR PUBLIC UTILITY BUILDINGS
90 Plus version (it allows getting a min. clearance
of 900 mm for the door leaf with a 90° opening angle)
1072x2075 mm**

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 mm to 0.7 mm, HPL laminate with a thickness of 0.7 mm to 1 mm or wood-like foil. Flat decorations made of decorative profiled mouldings, aluminium decors available.

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.

Wooden pine fixed door frame - optionally with masking strips, quarter round.

Wooden adjustable with widening panels, angular architraves and a masking strip.

ACCESSORIES AND EQUIPMENT

Standard equipment of FR EI30:
- 3 object hinges, OBX type, by ECO SCHULTE
- mortise lock with cylinder
- 2 drop seals

Additional equipment:
- decorations, stainless steel panels, aluminium decors
- EL560/EL561 electromotoric lock
- mortise coded (hotel) locks
- surface-mounted or hidden door closer
- additional mortise locks
- NC or NO electric doorstrikes
- reed switch
- electromagnetic lock
- electromagnetic holder
- panic bar with surface-mounted or mortise lock
- width "100"
- height of 2175 mm



90 PLUS
WIDTH
FOR PUBLIC
UTILITY
BUILDINGS



FR 37 door, fixed wooden door frame

FIRE PROTECTION DOOR ESCAPE DOOR

FR EI30 SR32 door
(single- and double-leaf door with a wooden door frame, flush or glazed)

- Fire resistance - EI₃₀
- acoustic insulation class D₁ - 30, D₂ - 25, class Rw=32 dB
- Class 3 Mechanical strength acc. to standard PN-EN 1192:2001
- National Technical Assessment ITB-KOT-2020/1370 issue 1
- National Certificate of Constasy of Performance no 020-UWB-1937/W

Halspan system EI30 Plus door
(single- and double-leaf door with a metal door frame, flush or glazed)

- Fire resistance - EI₃₀
- acoustic insulation capacity:
- single-leaf door - class D₁ - 30, D₂ - 25, class Rw=32 dB
- double-leaf door class D₁ - 25, D₂ - 25, class Rw=27 dB
- class 3 mechanical strength acc. to the PN-EN 1192:2001 standard
- National Technical Assessment ITB-KOT-2018/0407 issue 2
- National Certificate of Constasy of Performance no 020-UWB-2695/W

Halspan system EI60 Plus door
(single- and double-leaf door with a metal door frame, flush or glazed)

- Fire resistance - EI₆₀
- acoustic insulation
- single-leaf door class D₁ - 30, D₂ - 25, class Rw=32 dB
- double-leaf door class D₁ - 25, D₂ - 25, class Rw=32 dB
- class 3 mechanical strength acc. to the PN-EN 1192:2001 standard
- National Technical Assessment ITB-KOT-2018/0407 issue 2
- National Certificate of Constasy of Performance no 020-UWB-2695/W



FR EI30 fire door, fixed wooden door frame

PRICE OF FIRE ESCAPE DOOR = PRICE OF FIRE DOOR

**+ PRICE OF DORMAKABA PHA 2000 PANIC BAR (P. 205)
+ PRICE OF OBX TYPE OBJECT HINGES (P. 203)**

**PRICE OF EI30 PLUS, EI60 PLUS FIRE ESCAPE DOOR =
PRICE OF EI30 PLUS, EI60 PLUS FIRE DOOR
+ PRICE OF DORMAKABA PHA 2000 PANIC BAR (P. 205)**

WIDTH FOR PUBLIC UTILITY BUILDINGS
the 90 plus door width allows getting a min. clearance of 900 mm for doors with the 90-degree opening angle.

extra charge CPL 0.5 mm, CPL 0.7 mm to door in CPL laminate coating (extra charge to standard door height)

CPL 0.5 mm ("60" - "90")	CPL 0.7 mm ("60" - "90")	CPL 0.5 mm ("90+" - "110")	CPL 0.7 mm ("90+" - "110")
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DOOR DIMENSIONS

FR EI30 SR32 door, rebated system
single-leaf door:
width "90" - "100" - 1012 - 1112 mm, max. height 2175 mm
90 Plus version (it allows getting a min. clearance of 900 mm for the door leaf with a 90° opening angle) width 1032mm.
double-leaf door:
width "90+60" - "100+100" - 1653 - 2153 mm, max. height 2175 mm.

Halspan system EI30 Plus door, rebated system
fixed metal door frame
single-leaf door:
width "90" - "110" - 1004 - 1204 mm, max. height 2271 mm
The 90 Plus version (it allows getting a min. clearance of 900 mm for the door leaf with a 90° opening angle) width 1024mm.
double-leaf door:
width "90+60" - "110+110" - 1642 - 2342 mm, max. height 2271 mm.
adjustable metal frame
single-leaf door:
width "90" - "110" - 1024 - 1224 mm, max. height 2281 mm
The 90 Plus version (it allows getting a min. clearance of 900 mm for the door leaf with a 90° opening angle) width 1044mm.
double-leaf door:
width "90+60" - "110+110" - 1662 - 2362 mm, max. height 2281 mm.

EI60 Plus door in Halspan system, rebated system
metal fixed door frame.
single-leaf door:
width "90" - "110" - 1004 - 1204 mm, max. height 2271 mm
The 90 Plus version (it allows getting a min. clearance of 900 mm for the door leaf with a 90° opening angle) width 1024mm.
double-leaf flush door:
width "90+60" - "110+110" - 1642 - 2342 mm, max. height 2271 mm.
double-leaf glazed door: "90+60" - "100+100" - 1642 - 2142 mm, max. height 2271 mm.
metal adjustable door frame:
single-leaf door:
width "90" - "110" - 1024 - 1224 mm, max. height 2281 mm.
The 90 Plus version (it allows getting a min. clearance of 900 mm for the door leaf with a 90° opening angle) width 1044mm.
double-leaf flush door:
width "90+60" - "110+110" - 1662 - 2362 mm, max. height 2281 mm.
double-leaf glazed door: "90+60" - "100+100" - 1662 - 2162 mm, max. height 2281 mm.

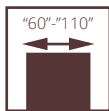
DOOR LEAF FINISH Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 mm to 0.7 mm, HPL laminate with a thickness of 0.7 mm to 1 mm or wood-alike foil. Flat decorations made of decorative profiled mouldings, aluminium decors available.

GLAZINGS Transparent glass pane with EI30 or EI60 fire resistance. Spacer painted, veneered or covered with foil in the colour matching the colour of the door leaf.

DOOR FRAMES Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.
Wooden pine fixed door frame - optionally with masking strips, quarter round.
Wooden adjustable with widening panels, angular architraves and a masking strip.
Fixed or adjustable metal EI30 PLUS or EI60 PLUS door frame

ACCESSORIES AND EQUIPMENT
Standard equipment of FR EI30 SR32:
- 3 object hinges, OBX type, by Eco Schulte
- PHA 2000 surface-mounted panic bar by Dormakaba (p. 205)
- drop seal
Standard equipment of the Halspan system EI30 Plus:
- 3 or 4 pivot hinges adjustable in 3 planes, EXACTA 495 Ø16, by OTLAV;
- single-leaf door - PHA 2000 surface-mounted panic bar by Dormakaba or PHA 2500 mortise lock panic bar by Dormakaba;
- double-leaf door - PHA 2000 surface-mounted panic bar by Dormakaba;
- drop seal

Standard equipment of the Halspan system EI60 Plus:
- 4 pivot hinges adjustable in 3 planes, EXACTA 495 Ø16, by OTLAV;
- single-leaf door - PHA 2000 surface-mounted panic bar by Dormakaba or PHA 2500 mortise lock panic bar by Dormakaba;
- double-leaf door - PHA 2000 surface-mounted panic bar by Dormakaba;
- drop seal.
Additional equipment:
FR EI30 SR32 door
- aluminium decors, reed switch, surface-mounted door closer
Halspan system EI30 Plus door
- aluminium decors, surface-mounted door closer
Halspan system EI60 Plus door
- aluminium decors, surface-mounted door closer



FIRE DOOR

FR EI30 SR 42

without toplights/sidelights

NOTE! In order to meet the fire resistance conditions, use a door closer compliant with the requirements of the PN-EN 1154:1999/A1:2004/AC:2010 standard, door handles compliant with the requirements of the PN-EN 1906:2012 standard (min. class B with regard to fire resistance) and cylinders compliant with the requirements of the PN-EN 1303:2015 standard (class B with regard to fire resistance).



acoustic insulation

The doors are designed for use as interior entrance doors in residential buildings, collective dwellings, public utility and industrial buildings to close openings in interior walls, between staircases or corridors and rooms as determined by the PN-B-91000:1996 standard.

Door leaf in rebated system. The leaf structure consists of a rail and stile set made of coniferous wood, topped with HDF boards on both sides. The in-fill is a special one structure.

- Fire resistance EI_{2,30} (FR EI30 SR 42 DM)
- Fire resistance EI₃₀ (FR EI30 SR 42)
- Smoke control - class S_{a,r} S₂₀₀ (FR EI30 SR 42 DM)
- Acoustic insulation capacity class D₁ - 40, D₂ - 35, class Rw=42 dB
- class 3 mechanical strength acc. to the PN-EN 1192:2001 standard
- National Technical Assessment ITB-KOT-2020/1370 issue 1
- National Certificate of Constancy of Performance no 020-UWB-1937/W

FR EI30 SR 42 DM door, fixed wooden door frame



FR EI30 SR 42 DM fire door, fixed wooden door frame

FR EI30 SR42



VERSION	FR EI30 SR 42	FR EI30 SR 42 DM
LAMINATED CPL 0.2 mm		
LAMINATED CPL 0.5 mm		
UNI MAT PLUS		
LAMISTONE		
SILKSTONE		
SILKSTONE CPL 0.5 mm		
PAINTED – white		
PAINTED – grey, beige		
PAINTED - black, sage		
VENEERED GROUP A		
VENEERED GROUP B		
VENEERED GROUP C, D		

Exemplary hotel locks for FR EI30 SR 42 DM door:

- Signature or Classic series by VingCard,
- LE8P series + XS4 series handle with access control by Salto,
- LOB 5500 Adel series, LOB 8005 series, LOB 8002 series by ASSA ABLOY Opening Solutions Poland S.A.
- HDL MF 20 series, HDL MF 20 N series, HDL MF 65 series by Hartmann Tresore,
- Be-Tech 6536M-65A series, Be-Tech Guardian RFID Elegant series, Be-Tech G1 series by Guangdong BeTech Security Systems Co. LTD,
- Ilco 790 RFID series, Saflok RT series, Saflok Quantum RFID series by Dormakaba,
- Trillium series, Advance series by Onity,

extra charge added to the basic colour white (RAL 9003) acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III
Group IV	Group V	

extra charge CPL 0.5 mm, CPL 0.7 mm to door in CPL laminate coating (extra charge to standard door height)

CPL 0.5 mm ("60" - "90")	CPL 0.7 mm ("60" - "90")	CPL 0.5 mm ("90+" - "110")	CPL 0.7 mm ("90+" - "110")
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THE FR EI30 SR 42 DM DOOR PROVIDE THE SMOKE CONTROL STANDARD OF S_a, S_{200}

DOOR DIMENSIONS

FR EI30 SR 42 DM door
Fixed wooden or adjustable door frame
1012x2075 mm
max. width "100" – 1112 mm, max. height 2175 mm

FR EI30 SR 42 door
Fixed wooden or adjustable door frame
1012x2075 mm
max. width "110" – 1212 mm, max. height 2275 mm

WIDTH FOR PUBLIC UTILITY BUILDINGS
90 Plus width - 1032 mm.
The 1032 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

WIDTH FOR PUBLIC UTILITY BUILDINGS
90 Plus width - 1032 mm.
The 1032 mm door width provides a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 mm to 0.7 mm, HPL laminate with a thickness of 0.7 mm to 1 mm or wood-alike foil. Flat decorations made of decorative profiled mouldings, aluminium decors available.

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.
Wooden pine fixed door frame - optionally with masking strips, quarter round.

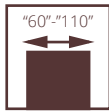
Wooden adjustable with widening panels, angular architraves and a masking strip.

ACCESSORIES AND EQUIPMENT

Standard equipment of FR EI30 SR 42 DM:
- 2 object hinges, OBX type, by ECO SCHULTE
- mortise lock with cylinder
- 2 drop seals

Standard equipment of FR EI30 SR 42:
- object hinges, OBX type, by ECO SCHULTE
- leaf width "60"- "100" - 2 hinges
- leaf width "110" - 3 hinges
- height 2275 mm - 3 hinges
- mortise lock with cylinder;
- 2 drop seals

Standard equipment of FR EI30 SR 42 DM:
- decorations, stainless steel panels, aluminium decors
- EL560/EL561 electromotoric lock
- mortise coded (hotel) locks
- surface-mounted or hidden door closer
- additional mortise locks
- NC or NO electric doorstrikes
- reed switch
- electromagnetic lock
- electromagnetic holder
- panic bar with surface-mounted or mortise lock
- width "100" - 1112 mm
- height of 2175 mm
Standard equipment of FR EI30 SR 42:
- surface-mounted door closers - p. 203-207
- width "100" - 1112 mm
- width "110" - 1212 mm
- height of 2175 mm
- height of 2275 mm



FR EI30 door, fixed wooden door frame

FIRE DOOR REBATED DOOR **EI30 PLUS** HALSPAN SYSTEM

NOTE! In order for the door to meet the fire resistance conditions, use a door closer compliant with the requirements of the PN-EN 1154:1999/A1:2004/AC:2010 standard, door handles compliant with the requirements of the PN-EN 1906:2012 standard (min. class B with regard to fire resistance) and cylinders compliant with the requirements of the PN-EN 1303:2015 standard (class B with regard to fire resistance).

Halspan system EI30 Plus rebated fire door with metal door frame optionally equipped with PHA 2000 or PHA 2500 panic hardware and EXACTA 495 Ø16 mm hinges meets the requirements of the PN-EN 1125:2009 standard in terms of release capability and can be used on escape routes and exits.

Door leaf in rebated system, wooden and metal (fixed or adjustable) door frame. The door leaf structure is a layered chipboard with a coniferous wood laminate topped with HDF boards on both sides. The rated door leaf thickness is 50 mm.

- Fire resistance EI₂30
- acoustic insulation capacity
- single-leaf door:
class D₁ – 30, D₂ – 25, class Rw=32 dB
- double-leaf door:
class D₁ – 25, D₂ – 25, class Rw=27 dB
- class 3 mechanical strength acc. to the PN-EN 1192:2001 standard
- Smoke control class S_a, S₂₀₀ (option)
- National Technical Assessment ITB-KOT-2018/0407 issue 2
- National Certificate of Constancy of Performance no 020-UWB-2695/W



FR EI30 single-leaf door, adjustable wooden door frame

EI30 PLUS



VERSION	flush	glazed	flush/flush	glazed/glazed	flush/glazed
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- LAMINATED CPL 0.2 mm
- UNI MAT PLUS
- LAMISTONE
- SILKSTONE
- SILKSTONE CPL 0.5 mm
- PAINTED – white
- PAINTED – grey, beige
- PAINTED - black, sage
- VENEERED GROUP A
- VENEERED GROUP B
- VENEERED GROUP C, D

Doors in flush or flush / glazed version (wider leaf glazed, narrower leaf flush)



OPTIONAL GLAZING VERSIONS
DOOR LEAVES FOR METAL DOOR FRAME p. 177 **METAL DOOR FRAME p. 178, 180**

DOOR DIMENSIONS

Fixed wooden or adjustable door frame:
 Rebated system:
 Single-leaf door:
 max. width: "110" – 1212 mm, max. height: 2500 mm
The 90 Plus version (it allows getting a min. clearance of 900 mm for the door leaf with a 90° opening angle) 1032x2075 mm
 Double-leaf door:
 max. width: "110+110" – 2352 mm, max. height: 2500 mm

Fixed metal door frame:
 Rebated system:
 Single-leaf door:
 max. width "110" – 1204 mm, max. height 2271 mm
The 90 Plus version (it allows getting a min. clearance of 900 mm with the leaf opening angle of 90°) 1024x2071 mm
 Double-leaf door:
 max. width: "110+110" – 2342 mm, max. height: 2271 mm

Metal adjustable door frame:
 Rebated system:
 Single-leaf door:
 max. width "110" – 1224 mm, max. height 2281 mm
The 90 Plus version (it allows getting a min. clearance of 900 mm with the leaf opening angle of 90°) 1044x2081 mm
 Double-leaf door:
 max. width: "110+110" – 2362 mm, max. height: 2281 mm
 Doors of non-standard width and height are available upon consultation with the sales department.

WIDTH FOR PUBLIC UTILITY BUILDINGS
 the 90 plus door width allows getting a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Flat decorations made of decorative profiled mouldings available, aluminium decors.

GLAZINGS

Transparent glass pane with EI30 fire resistance. Pine spacer painted, veneered or covered with foil in the colour matching the colour of the door leaf. The available glazing includes a porthole with a Ø320 mm steel spacer (on the external side of the spacer).

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.

Fixed wooden pine door frame - optionally with masking strips, quarter round.

Wooden adjustable door frame with widening panels, angle architraves and a masking strip.

Fixed metal door frame made of steel sheet with a thickness of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

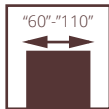
Adjustable metal door frame made of sheet steel of a thickness of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department.
 The door frame consists of a major part and an angular architrave inserted into the major part.

ACCESSORIES AND EQUIPMENT

Standard equipment:
 (door with wooden or metal door frame)
 - 3 or 4 pivot hinges adjustable in 3 planes by OTLAV
 - mortise lock with cylinder;
 - drop seal

Additional equipment:
 - aluminium decors - p. 201
 - decorations - p. 186
 - surface-mounted or hidden door closer, panic locks, panic bars, electric strikes, electromagnetic locks, reed switch, additional lock - p. 203-207
 The leaf can be milled for the installation of an (electronic) hotel lock subject to consultation with the Sales Department.



FIRE DOOR

NON-REBATED DOOR

EI30 PLUS

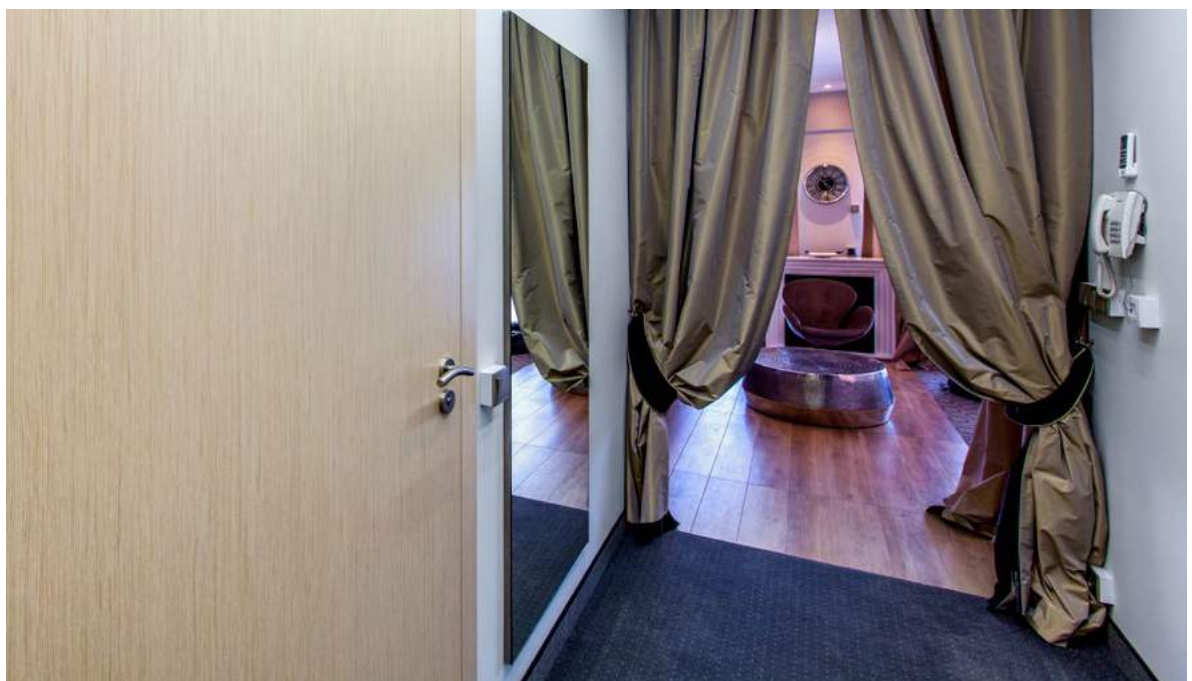
HALSPAN SYSTEM

NOTE! In order for the door to meet the fire resistance conditions, use a door closer compliant with the requirements of the PN-EN 1154:1999/A1:2004/AC:2010 standard, door handles compliant with the requirements of the PN-EN 1906:2012 standard (class B with regard to fire resistance) and cylinders compliant with the requirements of the PN-EN 1303:2015 standard (class B with regard to fire resistance).

Door leaf in non-rebated system, wooden and metal (fixed or adjustable) door frame. The door leaf structure is a layered chipboard with a coniferous wood laminate topped with HDF boards on both sides. The rated door leaf thickness is 50 mm.

- Fire resistance EI₂30
- acoustic insulation capacity
- single-leaf door:
 - class D₁ – 30, D₂ – 25, class Rw=32 dB
- double-leaf door:
 - class D₁ – 25, D₂ – 25, class Rw=27 dB
- class 3 mechanical strength acc. to the PN-EN 1192:2001 standard
- Smoke control class S_a, S₂₀₀ (option)
- National Technical Assessment ITB-KOT-2018/0407 issue 2
- National Certificate of Constancy of Performance no 020-UWB-2695/W

EI30 PLUS door, fixed wooden door frame



EI30 plus single-leaf door, fixed wooden door frame

EI30 PLUS



VERSION flush glazed flush/flush glazed/glazed flush/glazed

- LAMINATED CPL 0.2 mm
- UNI MAT PLUS
- LAMISTONE
- SILKSTONE
- SILKSTONE CPL 0.5 mm
- PAINTED – white
- PAINTED – grey, beige
- PAINTED – grey, beige
- VENEERED GROUP A
- VENEERED GROUP B
- VENEERED GROUP C, D

Doors in flush or flush / glazed version (wider leaf glazed, narrower leaf flush)



OPTIONAL GLAZING VERSIONS

DOOR LEAVES FOR METAL DOOR FRAME
METAL DOOR FRAME p. 177 p. 179, 181

DOOR DIMENSIONS

Fixed wooden or adjustable door frame:

Non-rebated system
 Single-leaf door:
 max. width "110" – 1212 mm, max. height 2500 mm
The 90 Plus version (it allows getting a min. clearance of 900 mm for the door leaf opening angle of 90°) 1072x2075 mm
 Double-leaf door:
 max. width: "110+110" – 2330 mm, max. height: 2500 mm

Fixed metal door frame:

Non-rebated system
 Single-leaf door:
 max. width "110" – 1224 mm, max. height 2281 mm
The 90 Plus version (it allows getting a min. clearance of 900 mm when the door leaf opening angle is 90°) 1044x2081 mm
 Double-leaf door:
 max. width: "110+110" – 2340 mm, max. height: 2281 mm

Metal adjustable door frame:

Non-rebated system
 Single-leaf door:
 max. width "110" – 1224 mm, max. height 2281 mm
The 90 Plus version (it allows getting a min. clearance of 900 mm when the door leaf opening angle is 90°) 1044x2081 mm
 Double-leaf door:
 max. width: "110+110" – 2340 mm, max. height: 2281 mm
 Doors of non-standard width and height are available upon consultation with the sales department.

WIDTH FOR PUBLIC UTILITY BUILDINGS
 the 90 plus door width allows getting a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Flat decorations made of decorative profiled mouldings available, aluminium decors.

GLAZINGS

Transparent glass pane with EI30 fire resistance. Pine spacer painted, veneered or covered with foil in the colour matching the colour of the door leaf. The available glazing includes a porthole with a Ø320 mm steel spacer (on the external side of the spacer).

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.
Fixed wooden pine door frame - optionally with masking strips, quarter round.
Wooden adjustable door frame with widening panels, angle architraves and a masking strip.
Fixed metal door frame made of steel sheet with a thickness of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).
Adjustable metal door frame made of sheet steel of a thickness

of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department.
 The door frame consists of a major part and an angular architrave inserted into the major part.

ACCESSORIES AND EQUIPMENT

Standard equipment:
 (door with wooden or metal door frame)
 - 3 object hinges, OBX type, by ECO SCHULTE or hidden TECTUS hinges by Simonswerk (option available at an extra charge)
 - mortise lock with cylinder;
 - drop seal

Additional equipment:
 - aluminium decors - p. 201
 - decorations - p. 186
 - surface-mounted or hidden door closer, panic locks, panic bars, electric strikes, electromagnetic locks, reed switch, additional lock - p. 203-207
 - panoramic viewer - stainless steel; anthracite, black matt
 - The leaf can be milled for the installation of an (electronic) hotel lock subject to consultation with the Sales Department.



90 PLUS
WIDTH
FOR PUBLIC
UTILITY
BUILDINGS



EI60 PLUS door, fixed wooden door frame

FIRE DOOR REBATED **EI60 PLUS** HALSPAN SYSTEM

NOTE! In order for the door to meet the fire resistance conditions, use a door closer compliant with the requirements of the PN-EN 1154:1999/A1:2004/AC:2010 standard, door handles compliant with the requirements of the PN-EN 1906:2012 standard (min. class B with regard to fire resistance) and cylinders compliant with the requirements of the PN-EN 1303:2015 standard (class B with regard to fire resistance).

Halspan system EI60 Plus rebated fire door with metal door frame optionally equipped with PHA 2000 or PHA 2500 panic hardware and EXACTA 495 \varnothing 16 mm hinges meets the requirements of the PN-EN 1125:2009 standard in terms of release capability and can be used on escape routes and exits.

Door leaf in rebated system. The door leaf structure is a layered chipboard with a coniferous wood laminate topped with HDF boards on both sides. The rated door leaf thickness is 60 mm.

- Fire resistance EI₂60
- acoustic insulation capacity
- single-leaf door:
class D₁ - 30, D₂ - 25, class Rw=32 dB
- double-leaf door:
class D₁ - 25, D₂ - 25, class Rw=32 dB
- class 3 mechanical strength acc. to the PN-EN 1192:2001 standard
- Smoke control class S_a, S₂₀₀ (option)
- National Technical Assessment ITB-KOT-2018/0407 issue 2
- National Certificate of Constancy of Performance no 020-UWB-2695/W



EI60 PLUS door, adjustable wooden door frame

EI60 PLUS



VERSION	flush	glazed	flush/flush	glazed/glazed	flush/glazed
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LAMINATED CPL 0.2 mm
 UNI MAT PLUS
 LAMISTONE
 SILKSTONE
 SILKSTONE CPL 0.5 mm
 PAINTED – white
 PAINTED – grey, beige
 PAINTED - black, sage
 VENEERED GROUP A
 VENEERED GROUP B
 VENEERED GROUP C, D

Doors in flush or flush / glazed version (wider leaf glazed, narrower leaf flush)

OPTIONAL
GLAZING
VERSIONS



W1S

W3S

DOOR LEAVES FOR METAL DOOR FRAME p. 177
METAL DOOR FRAME p. 178, 180

DOOR DIMENSIONS

Fixed wooden or adjustable door frame:

Rebated system:
 Single-leaf door:
 max. width "110" – 1212 mm, max. height 2500 mm
90 Plus version (it allows to get a clear opening of min. 900 mm for the door leaf with a 90° opening angle) 1032x2075 mm
 Double-leaf flush door:
 max. width: "110+110" – 2352 mm, max. height: 2500 mm
 Double-leaf glazed door:
 max. width: "100+100" – 2152 mm, max. height: 2350 mm

Fixed metal door frame:

Rebated system:
 Single-leaf door:
 max. width "110" – 1204 mm, max. height 2271 mm
90 Plus version (it allows to get a clear opening of min. 900 mm with the leaf opening angle of 90°) 1024x2071 mm
 Double-leaf flush door:
 max. width: "110+110" – 2342 mm, max. height: 2271 mm
 Double-leaf glazed door:
 max. width: "100+100" – 2142 mm, max. height: 2271 mm

Metal adjustable door frame:

Rebated system:
 Single-leaf door:
 max. width "110" – 1224 mm, max. height 2281 mm
90 Plus version (it allows to get a clear opening of min. 900 mm with the leaf opening angle of 90°) 1044x2081 mm
 Double-leaf flush door:
 max. width: "110+110" – 2362 mm, max. height: 2281 mm
 Double-leaf glazed door:
 max. width: "100+100" – 2162 mm, max. height: 2281 mm

WIDTH FOR PUBLIC UTILITY BUILDINGS
 the 90 plus door width allows getting a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Flat decorations made of decorative profiled mouldings available, aluminium decors.

GLAZINGS

Transparent glass pane with EI60 fire resistance. Pine spacer painted, veneered or covered with foil matching the colour of the door leaf. The available glazing includes a porthole with a Ø320 mm steel spacer (on the external side of the spacer).

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.
Fixed wooden pine door frame - optionally with masking strips, quarter round.
Wooden adjustable door frame with widening panels, angular architraves and a masking strip.
Fixed metal door frame made of steel sheet with a thickness of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).
Adjustable metal door frame made of steel sheet of a thickness

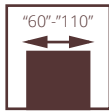
of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department.
 The door frame consists of a major part and an angular architrave inserted into the major part.

ACCESSORIES AND EQUIPMENT

Standard equipment:
 (door with wooden or metal door frame)
 - 4 pivot hinges adjustable in 3 planes by OTLAV
 - mortise lock with cylinder
 - drop seal

Additional equipment:
 - aluminium decors - p. 201
 - decorations - p. 186
 - surface-mounted or hidden door closer, panic locks, panic bars, electric strikes, electromagnetic locks, reed switch, additional lock - p. 203-207
 The leaf can be milled for the installation of an (electronic) hotel lock subject to consultation with the Sales Department.



FIRE DOOR NON-REBATED DOOR EI60 PLUS HALSPAN SYSTEM

NOTE! In order for the door to meet the fire resistance conditions, use a door closer compliant with the requirements of the PN-EN 1154:1999/A1:2004/AC:2010 standard, door handles compliant with the requirements of the PN-EN 1906:2012 standard (min. class B with regard to fire resistance) and cylinders compliant with the requirements of the PN-EN 1303:2015 standard (class B with regard to fire resistance).

Door leaf in non-rebated system. The door leaf structure is a layered chipboard with a coniferous wood laminate topped with HDF boards on both sides. The rated door leaf thickness is 60 mm.

- Fire resistance EI₂60
- acoustic insulation capacity
- single-leaf door: class D₁ - 30, D₂ - 25, class Rw=32 dB
- double-leaf door: class D₁ - 25, D₂ - 25, class Rw=32 dB
- class 3 mechanical strength acc. to the PN-EN 1192:2001 standard
- Smoke control class S_a, S₂₀₀ (option)
- National Technical Assessment ITB-KOT-2018/0407 issue 2
- National Certificate of Constancy of Performance no 020-UWB-2695/W

EI60 PLUS door, fixed wooden door frame



EI60 PLUS door, adjustable wooden door frame

EI60 PLUS



VERSION	flush	glazed	flush/flush	glazed/glazed	flush/glazed
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LAMINATED CPL 0.2 mm

UNI MAT PLUS

LAMISTONE

SILKSTONE

SILKSTONE CPL 0.5 mm

PAINTED – white

PAINTED – grey, beige

PAINTED - black, sage

VENEERED GROUP A

VENEERED GROUP B

VENEERED GROUP C, D

Doors in flush or flush / glazed version (wider leaf glazed, narrower leaf flush)

OPTIONAL
GLAZING
VERSIONS



W1S

W3S

DOOR LEAVES FOR METAL DOOR FRAME p. 177 **METAL DOOR FRAME p. 179, 181**

DOOR DIMENSIONS

Fixed wooden or adjustable door frame:

Non-rebated system

Single-leaf door:

max. width "110" – 1212 mm, max. height 2500 mm

The 90 Plus version (it allows getting a min. clearance of 900 mm for the door leaf opening angle of 90°)

1072x2075 mm

Double-leaf flush door:

max. width: "110+110" – 2330 mm, max. height: 2500 mm

Double-leaf glazed door:

max. width: "100+100" – 2130 mm, max. height: 2350 mm

Fixed metal door frame:

Non-rebated system

Single-leaf door:

max. width "110" – 1224 mm, max. height 2281 mm

The 90 Plus version (it allows getting a min. clearance of 900 mm when the door leaf opening angle is 90°)

1044x2081 mm

Double-leaf flush door:

max. width: "110+110" – 2340 mm, max. height: 2281 mm

Double-leaf glazed door:

max. width: "100+100" – 2140 mm, max. height: 2281 mm

Metal adjustable door frame:

Non-rebated system

Single-leaf door:

max. width "110" – 1224 mm, max. height 2281 mm

The 90 Plus version (it allows getting a min. clearance of 900 mm when the door leaf opening angle is 90°)

1044x2081 mm

Double-leaf flush door:

max. width: "110+110" – 2340 mm, max. height: 2281 mm

Double-leaf glazed door:

max. width: "100+100" – 2140 mm, max. height: 2281 mm

Doors of non-standard width and height are available upon consultation with the sales department.

WIDTH FOR PUBLIC UTILITY BUILDINGS
the 90 plus door width allows getting a min. clearance of 900 mm for doors with the 90-degree opening angle.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Flat decorations made of decorative profiled mouldings available, aluminium decors.

GLAZINGS

Transparent glass pane with EI60 fire resistance. Pine spacer painted, veneered or covered with foil matching the colour of the door leaf. The available glazing includes a porthole with a Ø320 mm steel spacer (on the external side of the spacer).

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf.

Fixed wooden pine door frame - optionally with masking strips, quarter round.

Wooden adjustable door frame with widening panels, angular architraves and a masking strip.

Fixed metal door frame made of steel sheet with a thickness of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

Adjustable metal door frame made of steel sheet of a thickness

of 1.5 mm, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005).

Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department.

The door frame consists of a major part and an angular architrave inserted into the major part.

ACCESSORIES AND EQUIPMENT

Standard equipment:

(door with wooden or metal door frame)

- 3 object hinges, OBX type, by ECO SCHULTE or hidden TECTUS hinges by Simonswerk (option available at an extra charge)

- main lock with cylinder

- drop seal

Additional equipment:

- aluminium decors - p. 201

- decorations - p. 186

- surface-mounted or hidden door closer, panic locks, panic bars, electric strikes, electromagnetic locks, reed switch, additional lock - p. 203-207

The leaf can be milled for the installation of an (electronic) hotel lock subject to consultation with the Sales Department.

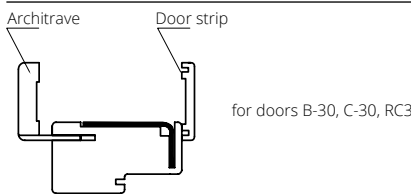
ADJUSTABLE DOOR FRAMES FOR ENTRANCE DOOR

FOR B-30, C-30, CERBER PLUS, CERBER PLUS RC2, RC3 BURGLAR-PROOF DOORS

EXTRA CHARGE ADDED FOR THE ADJUSTMENT SET FOR THE B-30, C-30, RC3, CERBER PLUS (WITH FLAT MOULDINGS- 60 mm), CERBER PLUS RC2 BURGLAR-PROOF DOORS (DOOR FRAMES ARE MILLED ON ONE SIDE TO FACILITATE THE INSTALLATION OF PANELS AND ARCHITRAVES)

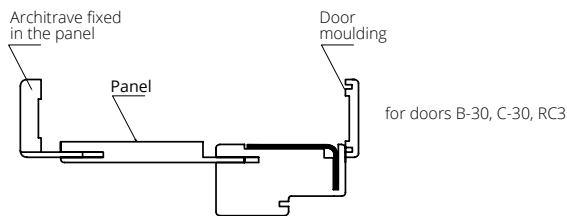
CERBER PLUS, CERBER PLUS RC2		B-30, C-30, RC3		ECO TOP	UNI MAT PLUS	for the laminated type HIGH TOP LAMISTONE CPL SILKSTONE	PAINTED white PAINTED grey, beige	BLACK RAL 9005 SAGE NCS S 4010-G50Y	VENEERED			
symbol	range of adjustment	symbol of door frame	degree of adjustment									
ZC 1	92-112	ZB1	100-120									
ZC 2	112-136	ZB2	120-144									
ZC 3	136-180	ZB3	144-188									
ZC 4	180-202	ZB4	188-210									
ZC 5	202-246	ZB5	210-254									
ZC 6	246-268	ZB6	254-276									
ZC 7	268-312	ZB7	276-320									
ZC 8	312-334	ZB8	320-342									
ZC 9	334-378	ZB9	342-386									
ZC 10	378-402	ZB10	386-410									
		ZB11	410-429									
		ZB12	429-476									
		ZB13	476-495									
		ZB14	495-542									
		ZB15	542-561									
		ZB16	561-608									

for door frames with non-standard dimensions (each dimension module available at an extra charge)
architraves interconnected at the 90° angle



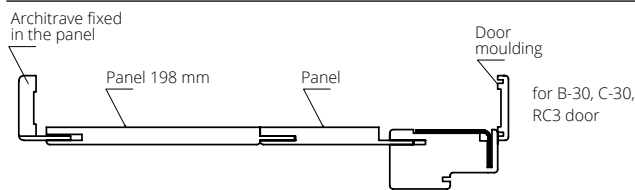
for doors B-30, C-30, RC3

symbol	adjustment range	COMPLETE SET
ZB1	100-120	Door frame 100 mm, architrave 32 mm
ZB2	120-144	Door frame 100 mm, architrave 52 mm



for doors B-30, C-30, RC3

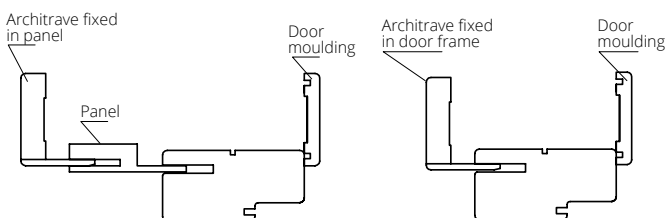
symbol	adjustment range	COMPLETE SET
ZB3	144-188	Door frame 100 mm, moulding, architrave 32 mm, panel 76 mm
ZB4	188-210	Door frame 100 mm, moulding, architrave 52 mm, panel 76 mm
ZB5	210-254	Door frame 100 mm, moulding, architrave 32 mm, panel 142 mm
ZB6	254-276	Door frame 100 mm, moulding, architrave 52 mm, panel 142 mm
ZB7	276-320	Door frame 100 mm, moulding, architrave 32 mm, panel 208 mm
ZB8	320-342	Door frame 100 mm, moulding, architrave 52 mm, panel 208 mm
ZB9	342-386	Door frame 100 mm, moulding, architrave 32 mm, panel 274 mm
ZB10	386-410	Door frame 100 mm, moulding, architrave 52 mm, panel 274 mm



for B-30, C-30, RC3 door

symbol	adjustment range	COMPLETE SET
ZB11	410-429	Door frame 100 mm, moulding, architrave 32 mm, panel 142+198 mm
ZB12	429-476	Door frame 100 mm, moulding, architrave 52 mm, panel 142+198 mm
ZB13	476-495	Door frame 100 mm, moulding, architrave 32 mm, panel 208+198 mm
ZB14	495-542	Door frame 100 mm, moulding, architrave 52 mm, panel 208+198 mm
ZB15	542-561	Door frame 100 mm, moulding, architrave 32 mm, panel 274+198 mm
ZB16	561-608	Door frame 100 mm, moulding, architrave 52 mm, panel 274+198 mm

for CERBER PLUS, CERBER PLUS RC2 door



symbol	range of adjustment	COMPLETE SET
ZC 1	92-112	Door frame 92 mm, door moulding, architrave 32 mm
ZC 2	112-136	Door frame 92 mm, door moulding, architrave 52 mm
ZC 3	136-180	Door frame 92 mm, moulding, architrave 32 mm, panel 76 mm
ZC 4	180-202	Door frame 92 mm, moulding, architrave 52 mm, panel 76 mm
ZC 5	202-246	Door frame 92 mm, moulding, architrave 32 mm, panel 142 mm
ZC 6	246-268	Door frame 92 mm, moulding, architrave 52 mm, panel 142 mm
ZC 7	268-312	Door frame 92 mm, moulding, architrave 32 mm, panel 208 mm
ZC 8	312-334	Door frame 92 mm, moulding, architrave 52 mm, panel 208 mm
ZC 9	334-378	Door frame 92 mm, moulding, architrave 32 mm, panel 274 mm
ZC 10	378-402	Door frame 92 mm, moulding, architrave 52 mm, panel 274 mm

EXTRA CHARGE FOR THE ADJUSTMENT SET FOR FIRE DOOR WITH FIXED DOOR FRAME

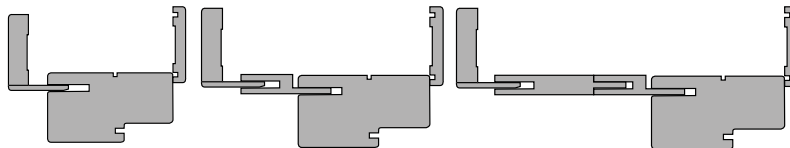
for the single-leaf door

door frame symbol	degree of adjustment (mm)	door frame symbol*	degree of adjustment (mm)	ECO TOP	UNI MAT PLUS	LAMINATED HIGH TOP LAMISTONE SILKSTONE	PAINTED white	PAINTED grey, beige	BLACK RAL 9005 SAGE NCS S 4010-G50Y	VENEERED GROUP A	VENEERED GROUP B	VENEERED GROUP C
ZB1	100-120	ZA1	120-140									
ZB2	120-144	ZA2	140-164									
ZB3	144-188	ZA3	164-208									
ZB4	188-210	ZA4	208-230									
ZB5	210-254	ZA5	230-274									
ZB6	254-276	ZA6	274-296									
ZB7	276-320	ZA7	296-340									
ZB8	320-342	ZA8	340-362									
ZB9	342-386	ZA9	362-406									
ZB10	386-410	ZA10	406-430									
ZB11	410-429	ZA11	430-449									
ZB12	429-476	ZA12	449-496									
ZB13	476-495	ZA13	496-515									
ZB14	495-542	ZA14	515-562									
ZB15	542-561	ZA15	562-581									
ZB16	561-608	ZA16	581-628									

extra charge for door frames with non-standard dimensions (extra charge for each dimensional module)

double-leaf door

* applicable to the EI60 PLUS door



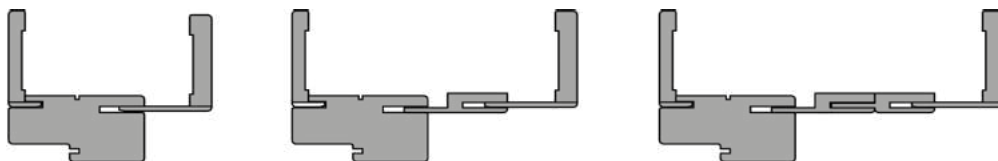
EXTRA CHARGE FOR A DOUBLE-SIDED FOR EI30, SR 37 dB, SR 42 dB FIRE DOOR

for the single-leaf door

door frame symbol	degree of adjustment (mm)	ECO TOP	UNI MAT PLUS	LAMINATED HIGH TOP LAMISTONE SILKSTONE	PAINTED white	PAINTED grey, beige	BLACK RAL 9005 SAGE NCS S 4010-G50	VENEERED GROUP A	VENEERED GROUP B	VENEERED GROUP C, D
ZF1	100-108									
ZF2	108-132									
ZF3	132-176									
ZF4	176-198									
ZF5	198-242									
ZF6	242-264									
ZF7	264-308									
ZF8	308-330									
ZF9	330-374									
ZF10	374-398									
ZF11	398-417									
ZF12	417-464									
ZF13	464-483									
ZF14	483-530									
ZF15	530-548									
ZF16	548-593									

double-leaf door

for door frames with non-standard dimensions (each dimension module available at an extra charge)



EXTRA CHARGES ADDED FOR NON-STANDARD DIMENSIONS OF ADJUSTMENT SETS

standard height

non-standard height to 2200 mm

non-standard height to 2300 mm

non-standard height to 2400 mm

non-standard height to 2500 mm

EXTRA CHARGES FOR CHANGING THE VERTICAL ELEMENT FROM STANDARD TO ARCHITRAVE WITH A WIDTH FROM 150 MM TO 210 MM (FOR DOOR B-30, C-30, RC3, CERBER PLUS, EI30 PLUS, EI60 PLUS, EI30)

ECO TOP	HIGH TOP LAMISTONE CPL SILKSTONE LAMINATE CPL 0.2	PAINTED WHITE	PAINTED GREY, BEIGE	BLACK SAGE	VENEERED GROUP A	VENEERED GROUP B	VENEERED GROUP C
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architrave 210 mm vertical element
2115 mm + tongue 12 mm
architrave 210 mm vertical element
2115 mm + tongue 32 mm
architrave 210 mm vertical element
2115 mm + tongue 52 mm

TECHNICAL DIMENSIONS

WOODEN FRAMES

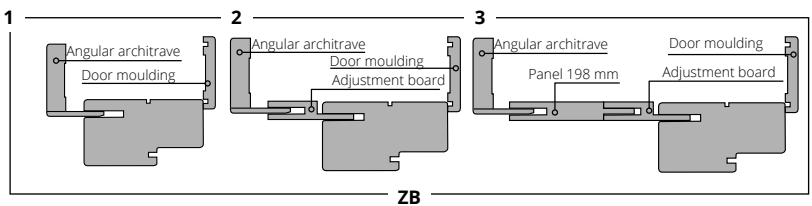
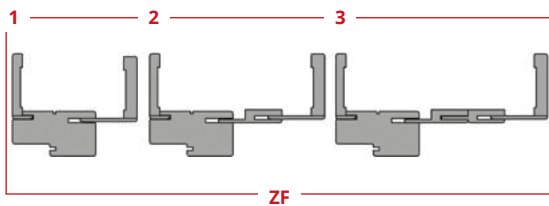
ZF: for FR EI30 door

ZB: for EI30 PLUS, B-30, C-30, RC3, SR 37 dB door

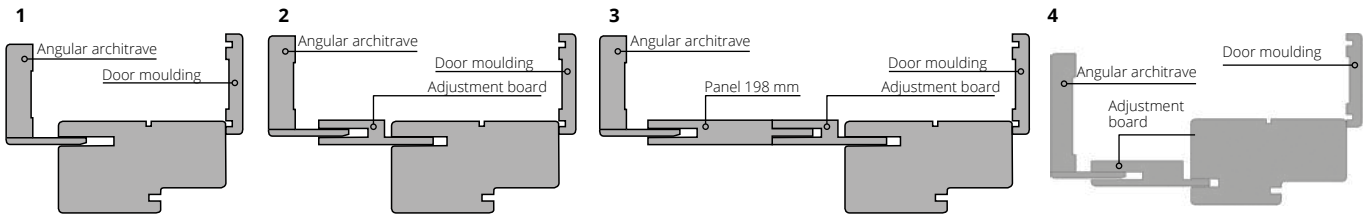
ZA: for EI60 PLUS door

symbol	range of adjustment	symbol	range of adjustment	complete set	1
ZF1	100-108	ZB1	100-120	door frame 100 mm, moulding, architrave 32 mm	
ZF2	108-132	ZB2	120-144	door frame 100 mm, moulding, architrave 52 mm	
symbol	range of adjustment	symbol	range of adjustment	complete set	2
ZF3	132-176	ZB3	144-188	door frame 100 mm, moulding, architrave 32 mm, board 76 mm	
ZF4	176-198	ZB4	188-210	door frame 100 mm, moulding, architrave 52 mm, board 76 mm	
ZF5	198-242	ZB5	210-254	door frame 100 mm, moulding, architrave 32 mm, board 142 mm	
ZF6	242-264	ZB6	254-276	door frame 100 mm, moulding, architrave 52 mm, board 142 mm	
ZF7	264-308	ZB7	276-320	door frame 100 mm, moulding, architrave 32 mm, board 208 mm	
ZF8	308-330	ZB8	320-342	door frame 100 mm, moulding, architrave 52 mm, board 208 mm	
ZF9	330-374	ZB9	342-386	door frame 100 mm, moulding, architrave 32 mm, board 274 mm	
ZF10	374-398	ZB10	386-410	door frame 100 mm, moulding, architrave 52 mm, board 274 mm	
symbol	range of adjustment	symbol	range of adjustment	complete set	3
ZF11	398-417	ZB11	410-429	door frame 100 mm, moulding, architrave 32 mm, board 142+198 mm	
ZF12	417-464	ZB12	429-476	door frame 100 mm, moulding, architrave 52 mm, board 142+198 mm	
ZF13	464-483	ZB13	476-495	door frame 100 mm, moulding, architrave 32 mm, board 208+198 mm	
ZF14	483-530	ZB14	495-542	door frame 100 mm, moulding, architrave 52 mm, board 208+198 mm	
ZF15	530-548	ZB15	542-560	door frame 100 mm, moulding, architrave 32 mm, board 274+198 mm	
ZF16	548-593	ZB16	560-605	door frame 100 mm, moulding, architrave 52 mm, board 274+198 mm	

symbol	range of adjustment	complete set	1
ZA1	120-140	door frame 120 mm, moulding, architrave 32 mm	
ZA2	140-164	door frame 120 mm, moulding, architrave 52 mm	
symbol	range of adjustment	complete set	2
ZA3	164-208	door frame 120 mm, moulding, architrave 32 mm, board 76 mm	
ZA4	208-230	door frame 120 mm, moulding, architrave 52 mm, board 76 mm	
ZA5	230-274	door frame 120 mm, moulding, architrave 32 mm, board 142 mm	
ZA6	274-296	door frame 120 mm, moulding, architrave 52 mm, board 142 mm	
ZA7	296-340	door frame 120 mm, moulding, architrave 32 mm, board 208 mm	
ZA8	340-362	door frame 120 mm, moulding, architrave 52 mm, board 208 mm	
ZA9	362-406	door frame 120 mm, moulding, architrave 32 mm, board 274 mm	
ZA10	406-430	door frame 120 mm, moulding, architrave 52 mm, board 274 mm	
symbol	range of adjustment	complete set	3
ZA11	430-449	door frame 120 mm, moulding, architrave 32 mm, board 142+198 mm	
ZA12	449-496	door frame 120 mm, moulding, architrave 52 mm, board 142+198 mm	
ZA13	496-515	door frame 120 mm, moulding, architrave 32 mm, board 208+198 mm	
ZA14	515-562	door frame 120 mm, moulding, architrave 52 mm, board 208+198 mm	
ZA15	562-580	door frame 120 mm, moulding, architrave 32 mm, board 274+198 mm	
ZA16	580-625	door frame 120 mm, moulding, architrave 52 mm, board 274+198 mm	



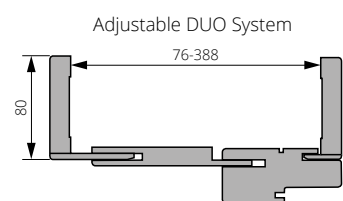
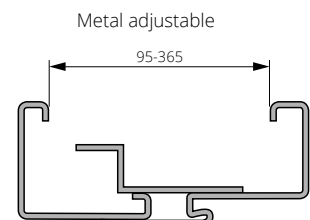
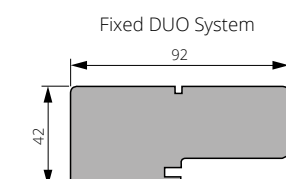
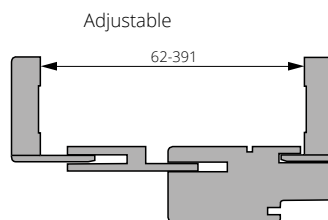
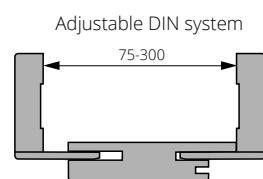
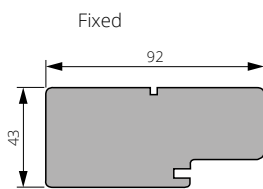
For CERBER PLUS, CERBER PLUS 37 dB, GAMMA door



symbol	range of adjustment	complete set	1	symbol	range of adjustment	complete set	2	symbol	range of adjustment	complete set	3
ZC1, ZG1	92-112	door frame 92 mm, moulding, architrave 32 mm		ZC3, ZG3	136-180	door frame 92 mm, moulding, architrave 32 mm, board 76 mm		ZC11, ZG11	402-421	door frame 92 mm, moulding, architrave 32 mm, board 142+198 mm	
ZC2, ZG2	112-136	door frame 92 mm, moulding, architrave 52 mm		ZC4, ZG4	180-202	door frame 92 mm, moulding, architrave 52 mm, board 76 mm		ZC12, ZG12	421-468	door frame 92 mm, moulding, architrave 52 mm, board 142+198 mm	
				ZC5, ZG5	202-246	door frame 92 mm, moulding, architrave 32 mm, board 142 mm		ZC13, ZG13	468-487	door frame 92 mm, moulding, architrave 32 mm, board 208+198 mm	
				ZC6, ZG6	246-268	door frame 92 mm, moulding, architrave 52 mm, board 142 mm		ZC14, ZG14	487-534	door frame 92 mm, moulding, architrave 52 mm, board 208+198 mm	
				ZC7, ZG7	268-312	door frame 92 mm, moulding, architrave 32 mm, board 208 mm		ZC15, ZG15	534-553	door frame 92 mm, moulding, architrave 32 mm, board 274+198 mm	
				ZC8, ZG8	312-334	door frame 92 mm, moulding, architrave 52 mm, board 208 mm		ZC16, ZG16	553-600	door frame 92 mm, moulding, architrave 52 mm, board 274+198 mm	
				ZC9, ZG9	334-378	door frame 92 mm, moulding, architrave 32 mm, board 274 mm					
				ZC10, ZG10	378-402	door frame 92 mm, moulding, architrave 52 mm, board 274 mm					

A customised casing is available subject to consultation with the Sales Department.

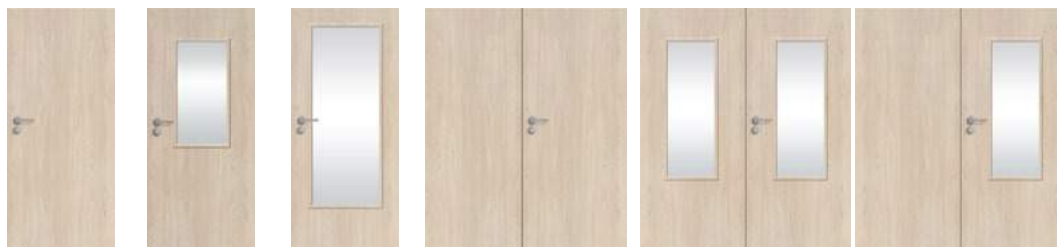
DOOR FRAMES FOR TYPE A, TYPE B, TYPE A DUO, TYPE B DUO SOUNDPROOF DOORS



Adjustable door frames with ranges above the standard are available.

EI30 PLUS, EI60 PLUS FOR METAL DOOR FRAME

DOOR LEAF EI30 PLUS



VERSION	EI30 Plus	EI30 Plus glazed (W1S, W2S, W3S)	EI30 Plus glazed (W4S)	EI30 Plus flush	EI30 Plus glazed	EI30 Plus (flush/glazed)
---------	-----------	----------------------------------	------------------------	-----------------	------------------	--------------------------

LAMINATED CPL 0.2 mm
LAMISTONE, SILKSTONE
SILKSTONE CPL 0.5 mm
UNI MAT PLUS
PAINTED
PAINTED – grey, beige
PAINTED - black, sage
VENEERED GROUP A
VENEERED GROUP B
VENEERED GROUP C, D

DOOR LEAF EI60 PLUS



VERSION	EI60 Plus	EI60 Plus glazed (W1S, W3S)	EI60 Plus flush	EI60 Plus glazed	EI60 Plus (flush/glazed)
---------	-----------	-----------------------------	-----------------	------------------	--------------------------

LAMINATED CPL 0.2 mm
LAMISTONE, SILKSTONE
SILKSTONE CPL 0.5 mm
UNI MAT PLUS
PAINTED
PAINTED – grey, beige
PAINTED - black, sage
VENEERED GROUP A
VENEERED GROUP B
VENEERED GROUP C, D

*standard colour for wooden leaves and frames - white RAL 9003.
Colours of metal door frames (p. 223)

extra charge added to the basic colour white (RAL 9003) acc. to RAL, NCS colour groups (p. 264)

Group I	Group II	Group III	Group IV	Group V
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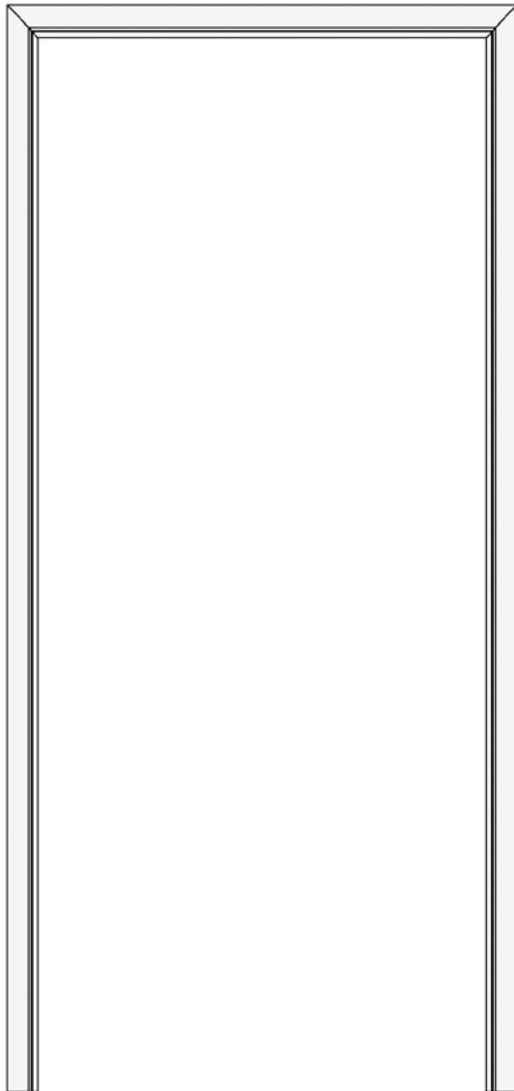
In order to comply with the requirements of the National Technical Assessment, the leaves are sold complete with a metal door frame.

GLAZING DIMENSIONS

(within the clearance) of the fire-protection doors

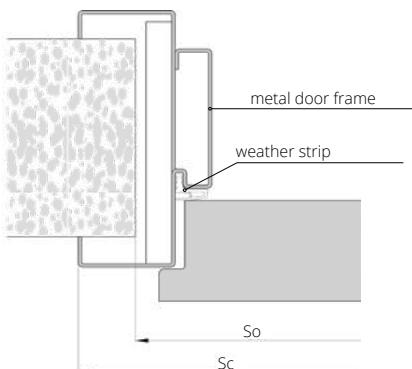
FR EI30 SR 32 dB		EI30 PLUS				EI60 PLUS	
Glass pane dimension in clearance [mm]:		W1S	W2S	W3S	W4S	W1S	W3S
		Glass pane dimension in the clearance [mm]:	Glass pane dimension in the clearance [mm]:	Glass pane dimension in the clearance [mm]:	Glass pane dimension in the clearance [mm]:	Glass pane dimension in the clearance [mm]:	Glass pane dimension in the clearance [mm]:
"60"	-	166x1054	166x1384	166x1054	166x1384	166x860	166x860
"70"	169x1056			266x1054	266x1384		266x860
"80"	269x1056			366x1054	366x1384		366x860
"90"	369x1056			466x1054	466x1384		466x860
"100"	469x1056			566x1054	566x1384		566x860
"110"	-			666x1054	666x1384		566x860

door frame ADJUSTABLE METAL FOR EI30 PLUS, EI60 PLUS DOOR



An in-wall cavity must be made for the cover boxes.

Door frame made of 1.5 mm thick metal sheet.



DEDICATED TO

Fire door leaves EI30 Plus, EI60 Plus

COLOURS

Powder-coated door frame.
Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)
Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)

symbol	range mm	EI30 PLUS single-leaf door (p. 166)		
		"90"	"100"	"110"
S30	100-130			
S31	130-160			
S32	160-190			
S33	190-220			
S34	220-250			
S35	250-280			
S36	280-310			
S37	310-340			
S38	340-370			
S39	370-400			

symbol	range mm	EI60 PLUS single-leaf door (p. 170)		
		"90"	"100"	"110"
S60	100-130			
S61	130-160			
S62	160-190			
S63	190-220			
S64	220-250			
S65	250-280			
S66	280-310			
S67	310-340			
S68	340-370			
S69	370-400			

ACCESSORIES AND EQUIPMENT (available at extra charge)

- reinforcement for electric door strike
- reinforcement for a hidden door closer GEZE BOXER 2-4; ITS 96 2-4; ITS 96 3-6
- MC 250 mortise reed switch
- MC200-S19 mounting flange for reed switch (white colour) (for metal door frames)

WIDTH

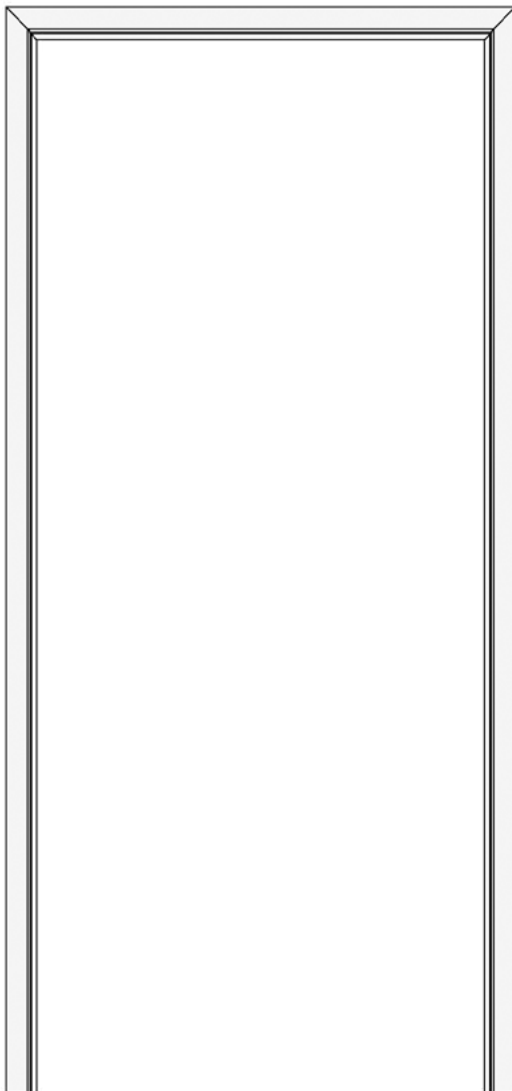
single-leaf door					double-leaf door				
type	S ₀	S _c	H ₀	H _c	type	S ₀	S _c	H ₀	H _c
"60"	665	724			"120"	1303	1362		
"70"	765	824			"130"	1403	1462		
"80"	865	924			"140"	1503	1562		
"90"	965	1024	2055	2081	"150"	1603	1662		
"90 plus"	985	1044			"160"	1703	1762	2055	2081
"100"	1065	1124			"170"	1803	1862		
"110"	1165	1224			"180"	1903	1962		
					"190"	2003	2062		
					"200"	2103	2162		

* 90 Plus width allows for a clear opening of min. 900 mm for doors with a 90° opening angle.

S₀ - installation opening width
S_c - total door frame width

H₀ - installation opening height
H_c - door frame total height

door frame **ADJUSTABLE** METAL DUO FOR EI30 PLUS, EI60 PLUS DOOR



An in-wall cavity must be made for the cover boxes.

DUO metal door frames fitted with with OBX ECO SCHULTE object hinges. TECTUS hidden hinges by Simonswerk available at extra charge (p. 204)

DEDICATED TO

Fire door leaves EI30 Plus, EI60 Plus

COLOURS

Powder-coated door frame. Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R) Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)

symbol	range mm	EI30 PLUS single-leaf door (p. 168)		
		"90"	"100"	"110"
D30	100-130			
D31	130-160			
D32	160-190			
D33	190-220			
D34	220-250			
D35	250-280			
D36	280-310			
D37	310-340			
D38	340-370			
D39	370-400			

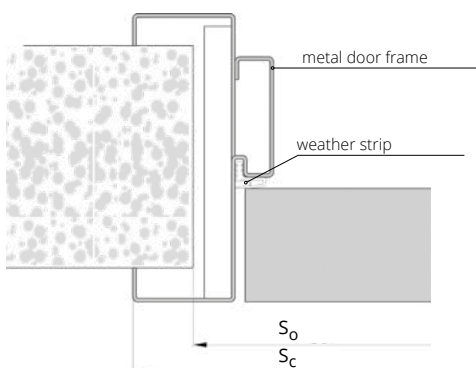
symbol	range mm	EI60 PLUS single-leaf door (p. 172)		
		"90"	"100"	"110"
D60	100-130			
D61	130-160			
D62	160-190			
D63	190-220			
D64	220-250			
D65	250-280			
D66	280-310			
D67	310-340			
D68	340-370			
D69	370-400			

ACCESSORIES AND EQUIPMENT

(available at extra charge)

reinforcement for electric door strike	
reinforcement for a hidden door closer GEZE BOXER 2-4; ITS 96 2-4; ITS 96 3-6	
extra charge for hinges	p. 205
MC 250 mortise reed switch	
MC200-S19 mounting flange for reed switch (white colour) (for metal door frames)	

Door frame made of 1.5 mm thick metal sheet.



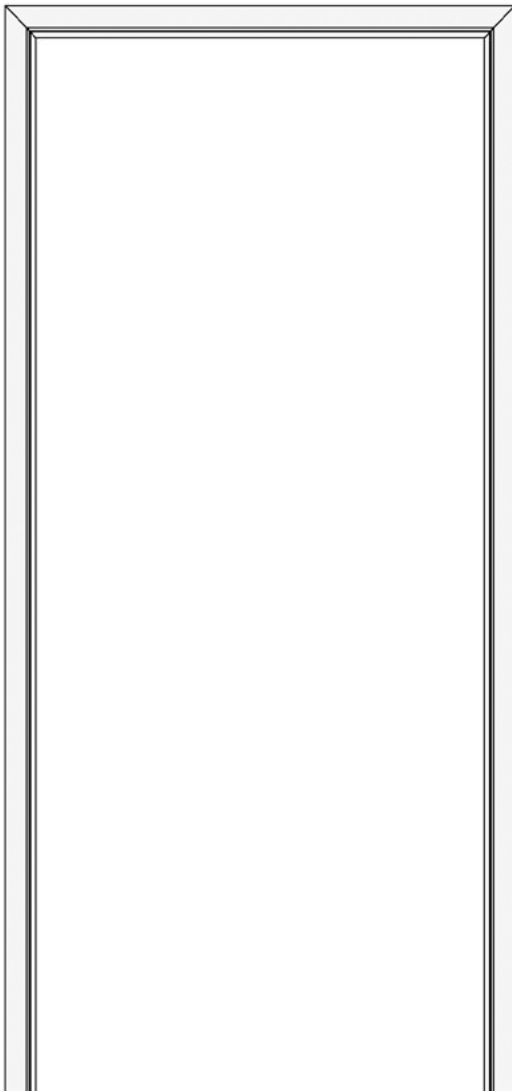
S_o - installation opening width
S_c - door frame total width
H_o - installation opening height
H_c - door frame total height

WIDTH					
single-leaf door			double-leaf door		
type	S _c	S _o	type	S _c	S _o
"60"	724	665	"120"	1340	1280
"70"	824	765	"130"	1440	1380
"80"	924	865	"140"	1540	1480
"90"	1024	965	"150"	1640	1580
"90"plus	1084	1025	"160"	1740	1680
"100"	1124	1065	"170"	1840	1780
"110"	1224	1165	"180"	1940	1880
			"190"	2040	1980
			"200"	2140	2080
HEIGHT			H _o	H _c	
			2055	2081	

* 90 Plus width allows for a clear opening of min. 900 mm for doors with a 90°. opening angle.

door frame **FIXED**

METAL FOR EI30 PLUS, EI60 PLUS DOOR



DEDICATED TO

Fire door leaves EI30 Plus, EI60 Plus

COLOURS

Powder-coated door frame.

Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)

Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)

symbol	range mm	single-leaf door EI30 PLUS (p. 166)		
		"90"	"100"	"110"
UD EI30 PLUS	100			
standard range 100 mm widths of 100-150 mm available subject to consultation with the Sales Department				
extra charge for double-leaf door				

symbol	range mm	single-leaf door EI60 PLUS (p. 170)		
		"90"	"100"	"110"
UD EI60 PLUS	100			
standard range 100 mm widths of 100-150 mm available subject to consultation with the Sales Department				
extra charge for double-leaf door				

ACCESSORIES AND EQUIPMENT (available at extra charge)

reinforcement for electric door strike

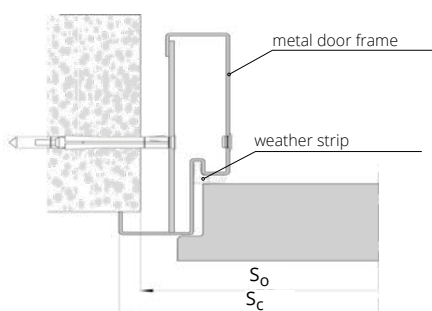
reinforcement for a hidden door closer GEZE
BOXER 2-4; ITS 96 2-4; ITS 96 3-6

MC 250 mortise reed switch

MC200-S19 mounting flange for reed switch
(white colour) (for metal door frames)

An in-wall cavity must be made for the cover boxes.

Door frame made of 1.5 mm thick metal sheet.



WIDTH									
single-leaf door					double-leaf door				
type	S ₀	S _c	H ₀	H _c	type	S ₀	S _c	H ₀	H _c
"60"	680	704			"120"	1320	1342		
"70"	780	804			"130"	1420	1442		
"80"	880	904			"140"	1520	1542		
"90"	980	1004	2060	2071	"150"	1620	1642		
"90" plus	1000	1024			"160"	1720	1742	2060	2071
"100"	1080	1104			"170"	1820	1842		
"110"	1180	1204			"180"	1920	1942		
					"190"	2020	2042		
					"200"	2120	2142		

* 90 Plus width allows for a clear opening of min. 900 mm for doors with a 90° opening angle.

door frame **FIXED**

METAL DUO FOR EI30 PLUS, EI60 PLUS DOOR

DEDICATED TO

Fire door leaves EI30 Plus, EI60 Plus

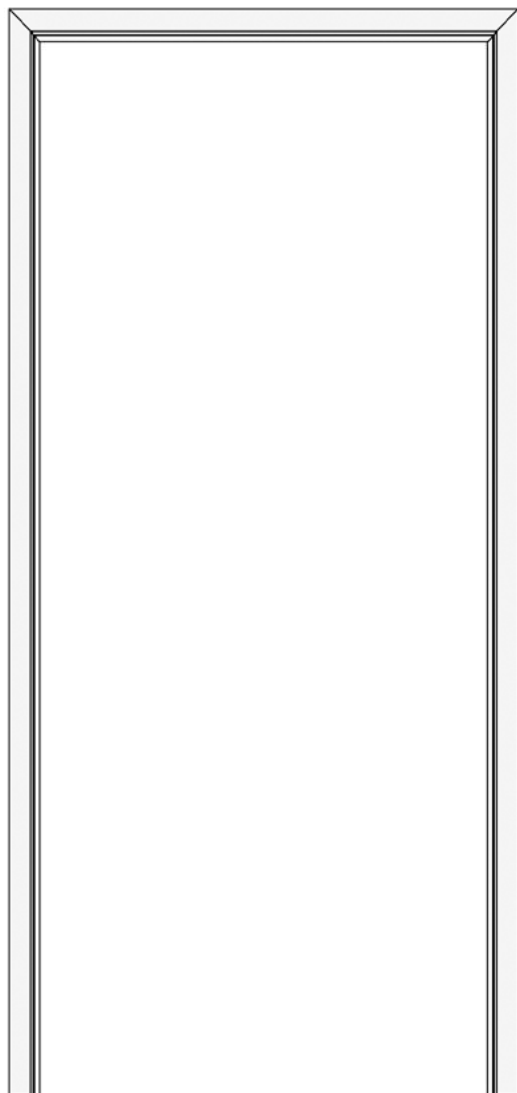
DUO metal door frames suitable for OBX ECO SCHULTE object hinges or for TECTUS hidden hinges by Simonswerk (option available at an extra charge) (p. 204)

COLOURS

Powder-coated door frame.

Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)

Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)



An in-wall cavity must be made for the cover boxes.

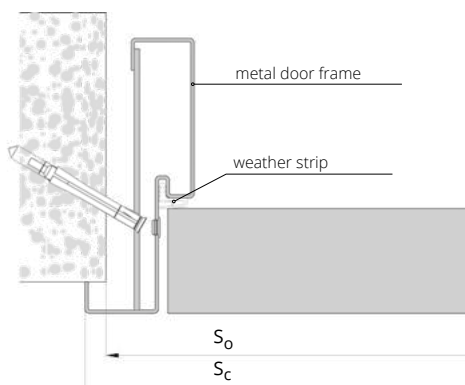
symbol	range mm	EI30 PLUS single-leaf door (p. 168)		
		"90"	"100"	"110"
UD EI30 PLUS	100			
standard range 100 mm widths of 100-150 mm available subject to consultation with the Sales Department				
extra charge for double-leaf door				

symbol	range mm	EI60 PLUS single-leaf door (p. 172)		
		"90"	"100"	"110"
UD EI60 PLUS	100			
standard range 100 mm widths of 100-150 mm available subject to consultation with the Sales Department				
extra charge for double-leaf door				

ACCESSORIES AND EQUIPMENT (available at extra charge)

reinforcement for electric door strike	
reinforcement for a hidden door closer GEZE BOXER 2-4; ITS 96 2-4; ITS 96 3-6	
extra charge for hinges	p. 205
MC 250 mortise reed switch	
MC200-S19 mounting flange for reed switch (white colour) (for metal door frames)	

Door frame made of 1.5 mm thick metal sheet.

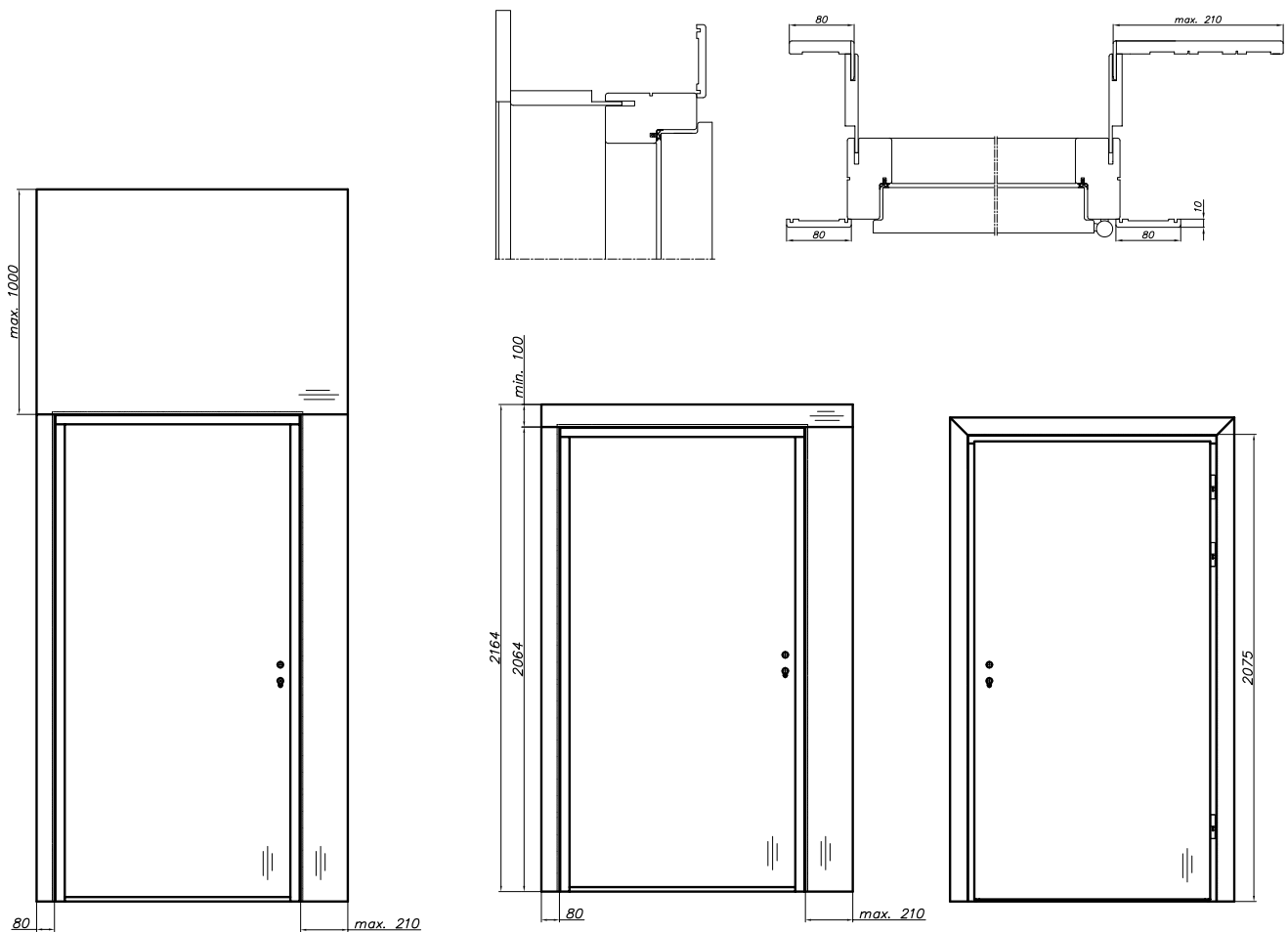


WIDTH					
single-leaf door			double-leaf door		
type	S _c	S ₀	type	S ₀	S _c
"60"	724	680	"120"	1296	1340
"70"	824	780	"130"	1396	1440
"80"	924	880	"140"	1496	1540
"90"	1024	980	"150"	1596	1640
"90"plus	1084	1040	"160"	1696	1740
"100"	1124	1080	"170"	1796	1840
"110"	1224	1180	"180"	1896	1940
			"190"	1996	2040
			"200"	2096	2140
HEIGHT			H ₀	H _c	
			2060	2081	

* 90 Plus width allows for a clear opening of min. 900 mm for doors with a 90° opening angle.

CUSTOMISED CASINGS WITH ARCHITRAVES

FOR CERBER PLUS, CERBER PLUS RC2, B-30, C-30, RC3, EI30, EI30 PLUS, EI60 PLUS, SR37 DOORS



Upper panel with a maximum width of 1220 mm available with vertical and horizontal wood grain.
 Upper panel with a width over in 1220 mm - only horizontal grain available.
 Upper panel in veneer available with vertical and horizontal wood grain.

PANELLED CASING WITH ARCHITRAVES (adjustment panel 16 mm + moulding 80 mm + vertical architraves 210 mm/80 mm) - without upper wall panel

for the single-leaf door						ECO TOP	UNI MAT PLUS	HIGH TOP	PAINTED white 001*	PAINTED grey, beige	BLACK SAGE	VENEERED		
symbol	range [mm]	symbol	range [mm]	symbol	range [mm]			LAMISTONE CPL				GROUP A	GROUP B	GROUP C, D
B-30, C-30, RC3, SR37, EI30, EI30 PLUS		CERBER PLUS, CERBER PLUS RC2		EI60 PLUS										
								SILKSTONE						
								for the laminated type						
FY1	144-169	FU1	136-161	FW1	164-189									
FY2	169-194	FU2	161-186	FW2	189-214									
FY3	194-219	FU3	186-211	FW3	214-239									
FY4	219-244	FU4	211-236	FW4	239-264									
FY5	244-269	FU5	236-261	FW5	264-289									
FY6	269-294	FU6	261-286	FW6	289-314									
FY7	294-319	FU7	286-311	FW7	314-339									
FY8	319-344	FU8	311-336	FW8	339-364									
FY9	344-369	FU9	336-361	FW9	364-389									

FU - CASING FOR CERBER PLUS, CERBER PLUS RC2 DOOR

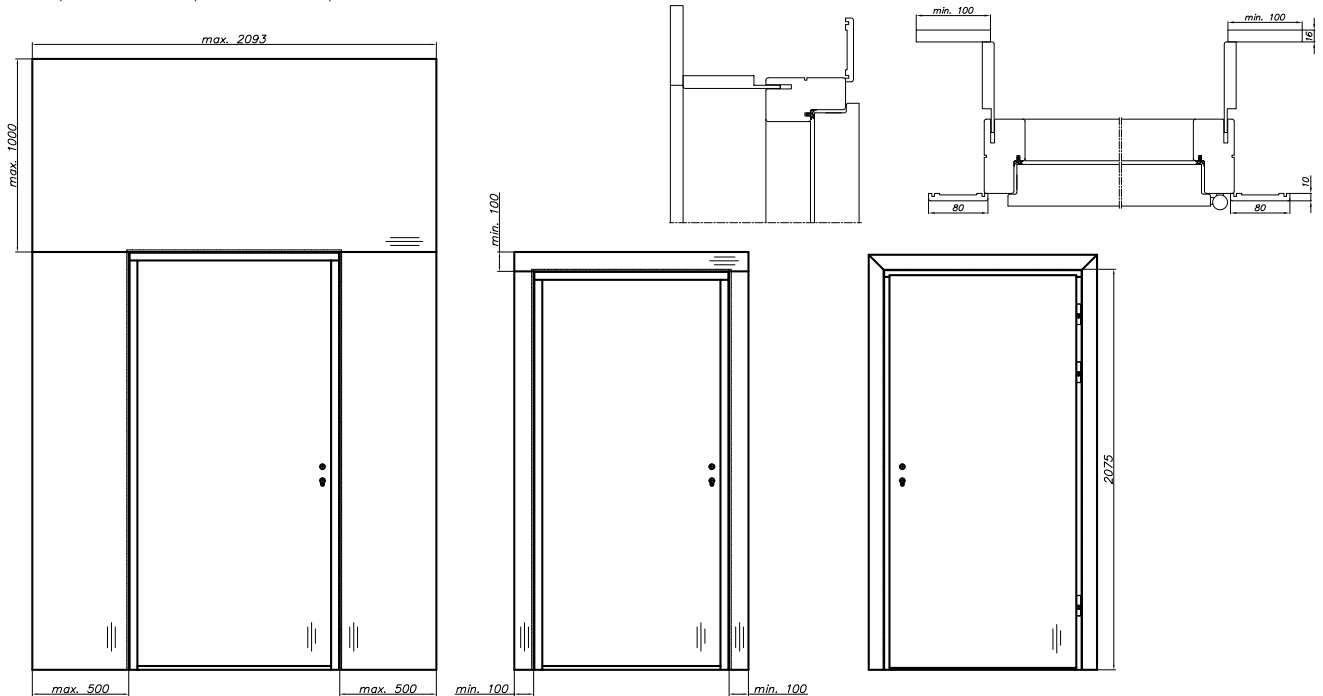
FY - CASING FOR B-30, C-30, RC3, EI30, EI30 PLUS, SR 37 Db DOOR

FW - CASING FOR EI60 PLUS DOOR

PRICE OF CASING = PRICE OF CASING WITH ARCHITRAVES + PRICE OF UPPER PANEL [m²] - p. 184

CUSTOMISED CASINGS WITH PANEL

FOR CERBER PLUS, CERBER PLUS RC2, B-30, C-30, RC3, EI30, EI30 PLUS, EI60 PLUS, SR37 DOOR



Upper panel with a maximum width of 1220 mm available with vertical and horizontal wood grain.
 Upper panel with a width over in 1220 mm - only horizontal grain available.
 Upper panel in veneer available with vertical and horizontal wood grain.

PANELLING (adjustment panel 16 mm + moulding 80 mm) - without wall panels

for the single-leaf door						ECO TOP	UNI MAT PLUS	HIGH TOP	PAINTED white 001*	PAINTED grey, beige	BLACK RAL 9005 SAGE NCS S 4010-G50Y	VENEERED		
B-30, C-30, RC3, SR37, EI30, EI30 PLUS		CERBER PLUS, CERBER PLUS RC2		EI60 PLUS				LAMISTONE CPL				GROUP A	GROUP B	GROUP C, D
symbol	range [mm]	symbol	range [mm]	symbol	range [mm]			SILKSTONE laminated						
FZ1	144-169	FV1	136-161	FX1	164-189									
FZ2	169-194	FV2	161-186	FX2	189-214									
FZ3	194-219	FV3	186-211	FX3	214-239									
FZ4	219-244	FV4	211-236	FX4	239-264									
FZ5	244-269	FV5	236-261	FX5	264-289									
FZ6	269-294	FV6	261-286	FX6	289-314									
FZ7	294-319	FV7	286-311	FX7	314-339									
FZ8	319-344	FV8	311-336	FX8	339-364									
FZ9	344-369	FV9	336-361	FX9	364-389									

(*) RAL, NCS system colours (except metallic ones) - extra charge acc. to the colour table

PANEL CASING (adjustment panel NRO 16 mm + moulding 80 mm) - without NRO wall panels

for the single-leaf door						ECO TOP	LAMISTONE CPL	PAINTED white	PAINTED grey, beige	BLACK RAL 9005 SAGE NCS S 4010-G50Y	VENEERED		
B-30, C-30, RC3, SR37, EI30, EI30 PLUS		CERBER PLUS, CERBER PLUS RC2		EI60 PLUS			SILKSTONE				GROUP A	GROUP B	GROUP C, D
symbol	range [mm]	symbol	range [mm]	symbol	range [mm]								
FZ1	144-169	FV1	136-161	FX1	164-189								
FZ2	169-194	FV2	161-186	FX2	189-214								
FZ3	194-219	FV3	186-211	FX3	214-239								
FZ4	219-244	FV4	211-236	FX4	239-264								
FZ5	244-269	FV5	236-261	FX5	264-289								
FZ6	269-294	FV6	261-286	FX6	289-314								
FZ7	294-319	FV7	286-311	FX7	314-339								
FZ8	319-344	FV8	311-336	FX8	339-364								
FZ9	344-369	FV9	336-361	FX9	364-389								

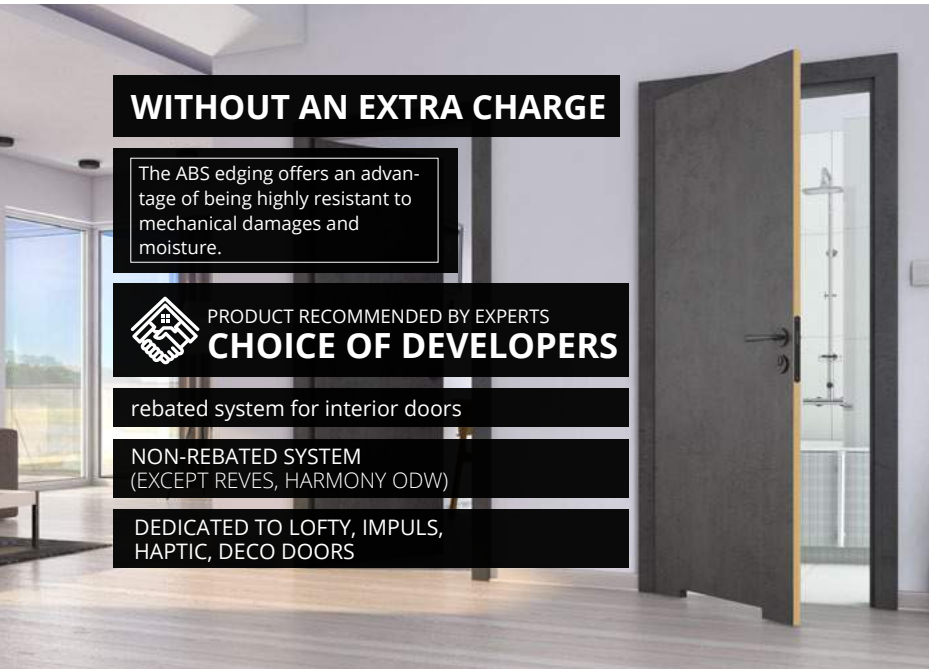
FV- CASING FOR CERBER PLUS, CERBER PLUS RC2 DOORS

FZ - CASING FOR B-30, C-30, RC3, EI30, EI30 PLUS, SR37 Db DOORS FX - CASING FOR EI60 PLUS DOOR

PRICE OF CASING = PRICE OF PANEL CASING + PRICE OF WALL PANEL [m²]
 (VERTICAL + UPPER PANELS) - p. 184

NEW SOLUTION FOR PUBLIC UTILITY BUILDINGS

ABS EDGING



WITHOUT AN EXTRA CHARGE

The ABS edging offers an advantage of being highly resistant to mechanical damages and moisture.

PRODUCT RECOMMENDED BY EXPERTS CHOICE OF DEVELOPERS

rebated system for interior doors

NON-REBATED SYSTEM
(EXCEPT REVES, HARMONY ODW)

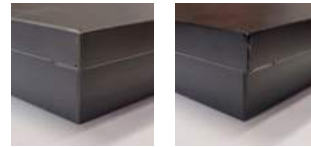
DEDICATED TO LOFTY, IMPULS,
HAPTIC, DECO DOORS



titano

white

Polish oak



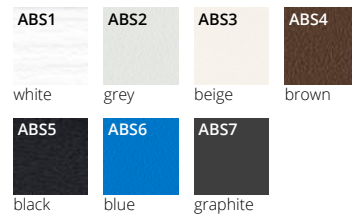
anthracite

black

**AVAILABILITY OF
0.8 MM ABS EDGING**
applies to HAPTIC, DECO, IMPULS
doors in the non-rebated system

3 edges protection

4 edges protection



ABS1

ABS2

ABS3

ABS4

white

grey

beige

brown

ABS5

ABS6

ABS7

black

blue

graphite

WALL PANELS

Wall panels can be used as a durable wall lining in offices, conference rooms, living areas, study rooms or public utility buildings.

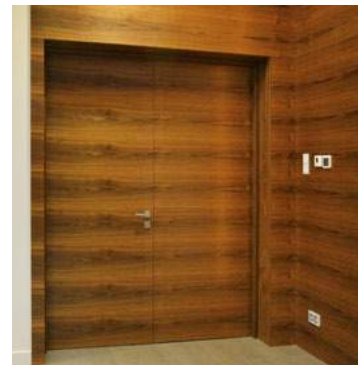
The rich range of colours makes it possible to match an appropriate décor to the room and the door systems of the building.

1. The wall panels are made of 16 mm thick MDF board with a decorative coating on both sides.
2. The wall panels classified as fire-retardant acc. to EN 13501-1+A1:2010 are made of 16 mm thick MDF board with class Bs1 d0 reaction to fire, covered with decorative coating on both sides.



casing of wall panels

extra charge added to the basic colour white (RAL 9003) acc. to RAL, NCS colour groups (p. 264) - **extra charge for one panel (element).**



NRO WALL PANELS

ECO TOP	SILKSTONE	LAMISTONE	PAINTED* (RAL 9003)	VENEERED GROUP A	VENEERED GROUP B	VENEERED GROUP C, D
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NRO panels classified as
flame-retardant

WALL PANELS

ECO TOP	SILKSTONE	UNI MAT PLUS	LAMISTONE	LAMINATE CPL 0.2 mm	SILKSTONE CPL 0.5 mm	PAINTED (RAL 9003)	VENEERED GROUP A	VENEERED GROUP B	VENEERED GROUP C, D
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DIMENSIONS

Laminated panels for doors with a board structure and a structure based on panels, rails and stiles
dimensions: max. width: 1100 mm, max. height 2500 mm

Veneered panels for doors with a board structure and a structure based on panels, rails and stiles
dimensions: max. width: 1100 mm, max. height 2500 mm

FINISH

Veneered surface, covered with LAMISTONE, SILKSTONE, ECO TOP laminate, painted or CPL laminate.
Wood grain of panels with a max. width of 1100 mm – vertical or horizontal.
Wood grain of panels with a width over 1100 mm - only horizontal wood grain available.

INSTALLATION

Special-purpose installation glue.

* Only in the colour of white RAL 9003

minimum width of wall panel 100 mm

dimensions: max. width: 1100 mm, max. height 2500 mm

extra charge added to dimensions 2301- 2500 mm

extra charge added to dimensions 80- 299 mm

for veneered panels with a height of 2200-2500 mm, veneer can be comb-joined.

DOOR FOR SHAFTS

- It is recommended to use EI30 Plus, EI60 Plus fire door on a fixed wooden frame with an optional door casing made of on-wall panels classified as flame-retardant.
- Door equipped with mortise lock with cylinder-ready hole without handle.
- For shaft doors where there occurs a temperature difference between the two rooms, ventilation grilles are recommended as a ventilation option.



TWO-COLOUR DOOR



two-colour door leaf, single-colour door frame

two-colour door leaf, two-colour door frame

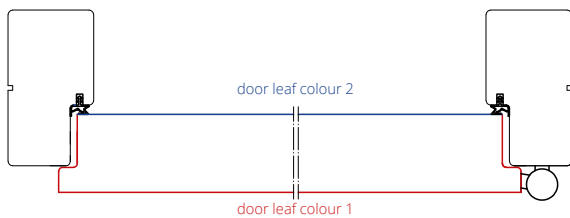
TWO-COLOUR DOORS ARE AVAILABLE (INTERIOR AND TECHNICAL DOORS)

Board-based structure only, except rail, stile and panel structure. Colours only from the same colour group e.g. ECO TOP+ECO TOP, LAMISTONE+LAMISTONE, CPL 0.2+CPL 0.2, HPL+HPL

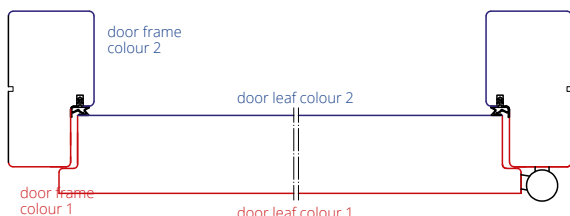
two-colour door leaf / single-colour door frame

two-colour door leaf / two-colour door frame

FIXED DOOR FRAME

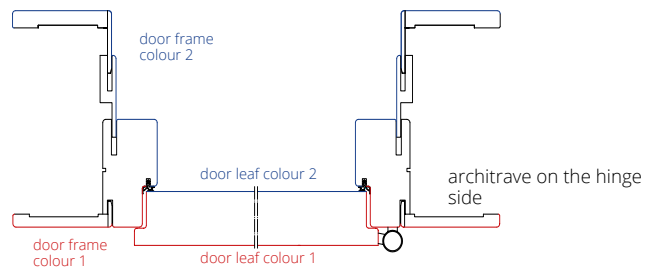


two-colour door leaf / single-colour door frame

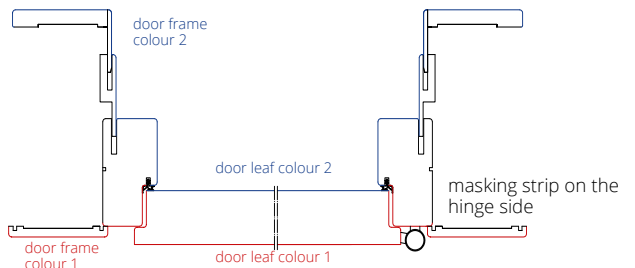


two-colour door leaf / two-colour door frame

ADJUSTABLE DOOR FRAME



two-colour door leaf / two-colour door frame



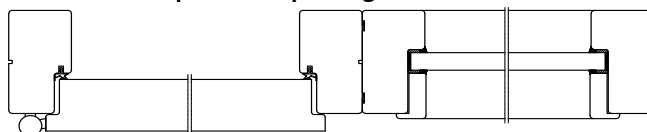
FIRE PROTECTION SIDELIGHTS / TOPLIGHTS



SIDELIGHTS AND TOPLIGHTS

- area**
- ECO TOP
 - LAMINATED CPL
 - HIGH TOP
 - LAMISTONE
 - SILKSTONE
 - PAINTED – white
 - PAINTED – grey, beige
 - PAINTED – black, sage
 - VENEERED GROUP A
 - VENEERED GROUP B
 - VENEERED GROUP C, D
- standard: transparent fireproof glass

sidelight/toplight price = price of 1mbx2 (A+B) + price of 1sq.m. of glass x A X B



Sidelights and toplight on fixed door frame profile

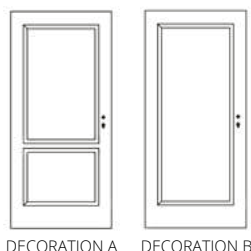
- fire resistance: EI30
- transparent fireproof glass
- maximum size of sidelights 944 mm x 2175 mm
- maximum size of toplights 2152 mm x 425 mm
- minimum dimension sidelight/toplight one side 300 mm

Sidelights/toplights are sold in compliance with the National Technical Assessment ITB-KOT-2020/1370 issue 1 and only in together with the FR EI30 fire door. EI30 sidelights/toplights with EI30 PLUS doors are available subject to an individual approval.

DECORATION ELEMENTS

The visual aspect is playing an increasingly important role in the architecture of public utility buildings. This applies to both the body of the building itself and to all components of its equipment. We offer technical doors with additional decorative elements: mouldings of various shapes, aluminium and in the colour of the door leaf, fluting in various styles, door leaf and door frame edge protectors with a stainless steel application, wall panels.

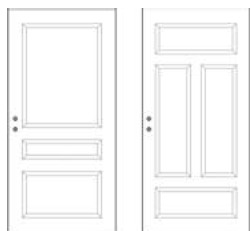
It is recommended to use perforated or solid chipboard in-fill.



DECORATION A DECORATION B



DECORATION C



DECORATION D DECORATION E

DECORATION A, B (ONE-SIDED)

	ECO TOP	HIGH TOP	LAMISTONE	SILKSTONE	UNI MAT PLUS
decoration A					
decoration B					

PAINTED	VENEERED GROUP A	VENEERED GROUP B	VENEERED GROUP C

decoration A
decoration B

DECORATION C (ONE-SIDED)

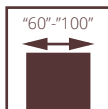
PAINTED	VENEERED GROUP A	VENEERED GROUP B	VENEERED GROUP C

DECORATION D, E (ONE-SIDED)

	ECO TOP	UNI MAT PLUS	HIGH TOP	LAMISTONE	SILKSTONE
decoration D					
decoration E					

PAINTED	VENEERED GROUP A	VENEERED GROUP B	VENEERED GROUP C

decoration D
decoration E



SPECIAL HIGRO

Non-rebated system door The leaf structure consists of a polyurethane rail and stile set reinforced with plywood and topped on both sides with HPL laminate with a thickness of 2mm. The in-fill is made of a special thermal insulation core.

The door is designed for residential, public utility, industrial and warehouse buildings as interior door used to close openings within interior walls between rooms. The door is designed for interiors in which the permissible relative air humidity is up to 90% and the temperature does not exceed 65°C.

The door must not be directly exposed to water.

Door specially designed for rooms with increased relative humidity and temperature in accordance with the manufacturer's instructions for use.

If door is installed in areas with high chlorine concentrations, there is a risk of corrosion occurring on stainless steel hardware, panels and portholes.

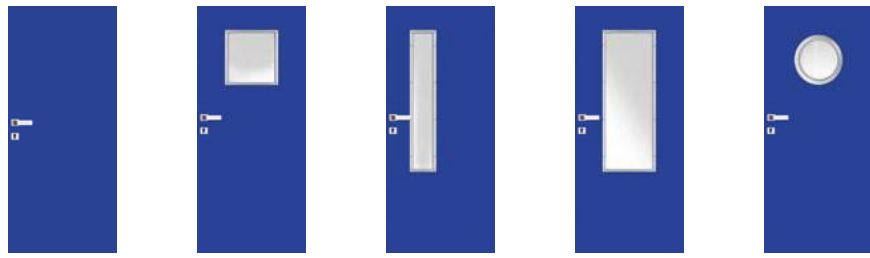
mechanical class: class 2 mechanical strength requirements, i.e. average operation conditions
resistance to climatic conditions: class 3 acc. to PN-EN 12219:2002
door approved for marketing based on the PN-EN 14351-2:2018 standard

Higro door, pattern W02, metal fixed non-rebated Higro door frame



Higro door, pattern W03, metal adjustable non-rebated Higro door frame

HIGRO



VERSION

W00

W01

W02

W03

W04

H-01 (grey), H-02 (white),
H-05 (blue), H-06 (anthracite)

steel fixed HIGRO door frame in the
colour of RAL 9016, RAL 7047,
RAL 5010, RAL 7024, width "60" - "100"

ADJUSTABLE NON-REBATED DOOR FRAME FOR HIGRO DOOR LEAVES

for the single-leaf door	
VERSION	wall width range [mm] "60" - "100"
FD71	110-140
FD72	140-170
FD73	170-200
FD74	200-230
FD75	230-260
FD76	260-290
FD77	290-320
FD78	320-350
FD79	350-380

standard: white (RAL 9016), grey (RAL 7047),
blue (RAL 5010), anthracite (RAL 7024)

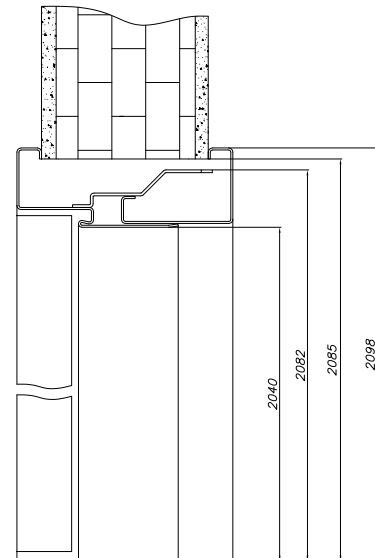
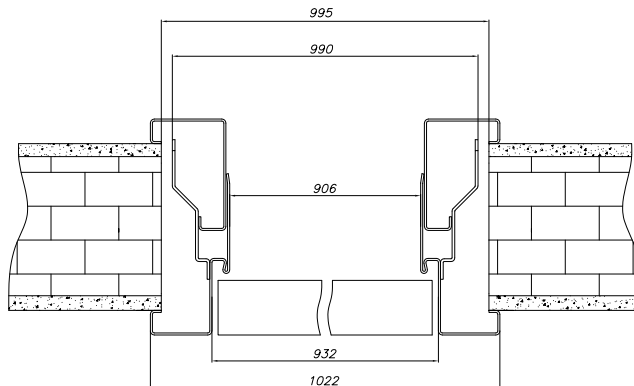
extra charge for 1 piece of the extra TECTUS hinge by SIMONSWERK,
stainless steel - complete set (top and bottom) -

ACID-RESISTANT SHEET PANELS (1 set)

width "60" width "70" width "80" width "90" width "90 plus",
"100"

variant A
variant D
variant E, F, G, H

polished or brushed sheet



DOOR DIMENSIONS

fixed metal HIGRO door frame:

Single-leaf door:
"60" - 702x2088 mm, "70" - 802x2088 mm, "80" - 902x2088 mm,
"90" - 1002x2088 mm, "90 plus" - 1027x2088 mm
max. width of "100" - 1102 mm, max. height 2288 mm
- door lower by 55 mm or 100 mm
- door with a height of 2188 mm
- door with a height of 2288 mm

Adjustable metal HIGRO door frame:

Single-leaf door:
"60" - 722x2098 mm, "70" - 822x2098 mm, "80" - 922x2098 mm,
"90" - 1022x2098 mm, "90 plus" - 1047x2098 mm
max. width of "100" - 1122 mm, max. height 2298 mm
- door lower by 55 mm or 100 mm
- door with a height of 2198 mm
- door with a height of 2298 mm

DOOR LEAF FINISH

Plain surface covered with HPL 2 mm thick laminate.

GAZINGS

White matt 4 mm tempered glass pane or white matt 4 mm thick safety glass.

DOOR FRAMES

Metal fixed non-rebated with rabbet seal made of galvanised 1.5 mm thick sheet.

Metal adjustable non-rebated made of galvanised 1.5 mm thick sheet in the colour of the door leaf surface.

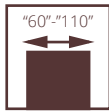
ACCESSORIES AND EQUIPMENT

Standard equipment:

- mortise single-point lock, spacing: 72 mm
- stainless steel hinges, power painted in the colour of grey RAL 7047 (2 pcs)
- pattern W04: porthole BMD3, lacomat glass pane

Additional equipment:

- surface-mounted door closer
- drop seal
- acid-resistant steel ventilation grill
- Higro handle and Higro lower rose made of stainless steel
- stainless steel panels glued to the door leaf bottom or at the handle height
- additional ZOX adjustment system for the non-rebated adjustable door frame (wall width range increase 650 mm)
- roller lock with a stainless steel face plate
- stainless steel porthole - lacomat/transparent glass (extra charge to version W04)



SPECIAL GAMMA

Door in the rebated system. The door leaf structure consists of a rail and stile set made of coniferous wood, topped on both sides with 5 mm thick HDF boards with a 1 mm thick lead insert (total thickness of the lead insert: 2 mm for a door leaf). The in-fill is made of chipboard. Door designed for public utility buildings (hospitals, medical centres and doctors' offices) and industrial and warehouse buildings - as interior entrance doors installed to close openings within interior walls between a corridor and rooms where X-radiation is emitted.

mechanical class: class 3 of mechanical strength requirements, i.e. heavy service conditions
acoustic insulation
class D₁ - 35, D₂ - 35, class Rw=37 dB
door approved for marketing subject to PN-EN 14351-2:2018

GAMMA door, fixed metal door frame



GAMMA door, fixed metal door frame

GAMMA



GAMMA FIXED WOODEN DOOR FRAME

VERSION for the single-leaf door

LAMISTONE CPL
 SILKSTONE
 PAINTED
 VENEERED GROUP A
 VENEERED GROUP B
 VENEERED GROUP C

VERSION single-leaf type

LAMISTONE CPL
 SILKSTONE
 LAMINATED CPL 0.5 mm
 LAMINATED CPL 0.7 mm
 PAINTED
 VENEERED GROUP A
 VENEERED GROUP B
 VENEERED GROUP C, D

MOULDING LD6 GAMMA

VERSION for the single-leaf door

LAMISTONE CPL
 SILKSTONE
 PAINTED
 VENEERED GROUP A
 VENEERED GROUP B
 VENEERED GROUP C

GAMMA ADJUSTABLE WOODEN DOOR FRAME

for the single-leaf door							
VERSION	range in [mm]	ECOTOP	HIGH TOP LAMISTONE SILKSTONE	PAINTED	VENEERED GROUP A	VENEERED GROUP B	VENEERED GROUP C
ZG1	92-112						
ZG2	112-136						
ZG3	136-180						
ZG4	180-202						
ZG5	202-246						
ZG6	246-268						
ZG7	268-312						
ZG8	312-334						
ZG9	334-378						
ZG10	378-402						

GAMMA METAL DOOR FRAME WITH LEAD SHEET STRIP

DOOR FRAME TYPE	wall width range [mm]	width in clearance "60" - "90"	
FIXED FD12	ZO1 (95-125)		
	ZO2 (125-155)		
	ZO3 (155-185)		
	ZO4 (185-215)		
	ADJUSTABLE	ZO5 (215-245)	
		ZO6 (245-275)	
		ZO7 (275-305)	
		ZO8 (305-335)	
		ZO9 (335-365)	

DOOR DIMENSIONS

Fixed or adjustable wooden door frame:
 single-leaf door:
 max. width: "110" – 1195 mm, max. height 2067 mm
Fixed metal door frame:
 single-leaf door:
 max. width: "110" – 1197 mm, max. height 2068 mm
Adjustable metal door frame:
 single-leaf door:
 max. width: "110" – 1217 mm, max. height 2078 mm

Double-leaf door are approved for marketing based on the Individual Technical Documentation and subject to consultation with the Sales Department.

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.5 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil.

DOOR FRAMES

Fixed or adjustable wooden GAMMA with lead insert.
Fixed or adjustable metal GAMMA made of 1.5 mm metal sheet with lead insert. Standard powder-coated in the colour

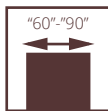
of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024) and black (RAL 9005).

ACCESSORIES AND EQUIPMENT

Standard equipment:
 - single-point mortise lock
 - 3 pcs of object angular hinges - width "60"- "110"
 - drop seal

Additional equipment:
 - stainless steel panels glued to the door leaf bottom or at the handle height
 - door closer, electric strike, electromagnetic lock
 - width "100"
 - width "110"

non-rebated
SYSTEM



SPECIAL SWING DOOR



Doors intended for use in the construction industry as interior door (without fire resistance or acoustic properties) to close openings in interior walls between rooms. Door specially designed for catering outlets.

Flush or glazed door leaf in the non-rebated system. The leaf structure consists of a **rail and stile set made of coniferous wood**, topped with HDF boards on both sides. The standard in-fill is a honeycomb-structured layer (optionally: perforated chipboard). The rated door leaf thickness is 40 mm.

- Class 2 mechanical strength acc. to the PN-EN 1192:2001 standard
- National Technical Assessment ITB-KOT-2020/1608 issue 1

SWING door, pattern 00, fixed wooden door frame



SWING door, pattern 00, with porthole, fixed wooden door frame

SWING DOOR



VERSION	00	00 with porthole	02	00	00 with porthole
---------	----	------------------	----	----	------------------

- PAINTED
- UNI MAT PLUS
- LAMISTONE CPL
- SILKSTONE
- LAMINATED CPL 0.5 mm
- LAMINATED CPL 0.7 mm
- VENEERED GROUP A
- VENEERED GROUP B
- VENEERED GROUP C, D
- BLACK (RAL 9005)

**PRICE OF SINGLE-LEAF DOOR = PRICE OF SELECTED DOOR LEAF
+ PRICE OF FIXED WOODEN REBATED FRAME
+ EXTRA CHARGE**

**PRICE OF DOUBLE-LEAF DOOR = 2 x PRICE OF SELECTED DOOR LEAF
+ PRICE OF FIXED WOODEN REBATED FRAME FOR DOUBLE-LEAF DOOR
+ EXTRA CHARGE**

DIMENSIONS OF SWING DOORS

width "60"	769x2076 mm	width "60"+"60"	1418x2076 mm
width "70"	869x2076 mm	width "70"+"70"	1618x2076 mm
width "80"	969x2076 mm	width "80"+"80"	1818x2076 mm
width "90"	1069x2076 mm	width "90"+"90"	2018x2076 mm

DOOR DIMENSIONS

Wooden fixed door frame:

Single-leaf door:
max. width "90" – 1069 mm, max. height 2276 mm
Double-leaf door:
max. width: "90+90" – 2018 mm, max. height: 2276 mm

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate of 0.7 to 1.0 mm or wood-alike foil.

GLAZINGS

Standard 4 mm thick tempered or optionally laminated glass.

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm laminate or foil matched to the colour of the door leaf.

Fixed wooden pine door frame – optionally with masking mouldings.

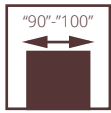
ACCESSORIES AND EQUIPMENT

Standard equipment:

- swing hinge: height to 2076 mm - 3 pcs
height 2176 mm or 2276 mm – 4 pcs

Additional equipment:

- roller lock
- porthole
- stainless steel panels
- swing hinges in the colour of black



INTERIOR REINFORCED DOOR G46

Door intended for public utility projects, optionally adapted for hidden door closer (single-leaf door), electric strikes with cable routing and semi-automatic shootbolts compatible with automatic door closers equipped with the closing sequence control (double-leaf doors).

Door leaf in rebated system. The leaf structure consists of a rail and stile set made of coniferous wood, topped with HDF boards on both sides. The infill is a solid or perforated chipboard.

The rated door leaf thickness is 46 mm.

G46 door, fixed wooden door frame



G46 door, fixed wooden door frame

DOOR WITH DIN G46 ADJUSTABLE DOOR FRAME

PRICE OF SINGLE-LEAF REINFORCED INTERIOR G46 DOOR = (PRICE OF FLAT FLASH DOOR LEAF, REBATED SYSTEM + PERFORATED CHIPBOARD IN-FILL) + PRICE OF DIN G46 ADJUSTABLE FRAME

PRICE OF DOUBLE-LEAF REINFORCED INTERIOR G46 DOOR = (2 X PRICE OF FLAT FLASH DOOR LEAF, REBATED SYSTEM + PERFORATED CHIPBOARD IN-FILL) + PRICE OF DIN G46 ADJUSTABLE FRAME FOR DOUBLE-LEAF DOOR

DOOR WITH FD12 FIXED METAL DOOR FRAME

PRICE OF SINGLE-LEAF REINFORCED INTERIOR G46 DOOR = (PRICE OF FLAT FLASH DOOR LEAF, REBATED SYSTEM + PERFORATED CHIPBOARD IN-FILL + PRICE OF FIXED METAL DOOR FRAME)

PRICE OF DOUBLE-LEAF REINFORCED INTERIOR G46 DOOR = (2 X PRICE OF FLAT FLASH DOOR LEAF, REBATED SYSTEM + PERFORATED CHIPBOARD IN-FILL + PRICE OF FIXED METAL DOOR FRAME FOR DOUBLE-LEAF DOOR)

DIN G46 ADJUSTABLE DOOR FRAME								
for the single-leaf door		LAMISTONE CPL	PAINTED white 001*	PAINTED beige, grey*	BLACK RAL 9005 SAGE NCS S 4010-G50Y	VENEERED		
symbol	range [mm]	SILKSTONE				GROUP A	GROUP B	GROUP C, D
		for the laminated type						
		UNI MAT PLUS						
ZU1	77-87							
ZU2	87-112							
ZU3	112-132							
ZU4	132-152							
ZU5	152-172							
ZU6	172-192							
ZU7	192-212							
ZU8	212-232							
ZU9	232-252							
ZU10	252-272							
ZU11	272-292							
ZU12	292-312							

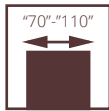
double-leaf door - extra charge
reinforcement for door closer

* RAL, NCS palette colours (except metallic ones) - extra charge acc. to the colour table

extra charge CPL 0.5 mm, CPL 0.7 mm to door in CPL laminate coating
(extra charge to standard door height)

WHEN USING HIDDEN OR SURFACE-MOUNTED DOOR CLOSERS, IT IS NECESSARY TO ORDER 4 HINGES FOR WIDTHS "90"- "100".

DOOR DIMENSIONS	G46 door, single-leaf door adjustable DIN door frame: "100" - max. width 1046, max. height 2243 mm FD12 fixed metal door frame: "100" - max. width 1097, max. height 2268 mm	G46 door, double-leaf door adjustable DIN door frame: „100“+„100“ - max. width 2080, max. height 2243 mm FD12 fixed metal door frame: „100“+„100“ - max. width 2131, max. height 2268 mm
DOOR LEAF FINISH	Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1.0 mm or wood-alike foil. Flat decorations, made of decorative profiled mouldings, aluminium decors available (subject to the consultation with the Sales Department).	
DOOR FRAMES	Door frame painted, veneered, covered with CPL 0.15 mm, CPL 0.2 mm laminate or foil matched to the colour of the door leaf. DIN adjustable door frame – made of 22 mm thick MDF panels. FD12 fixed metal door frame made of 1.5 mm thick steel sheet	with rabbet seal. Door frames, standard powder-coated in the colour of white (RAL 9016 and RAL 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024), black (RAL 9005). Door frames painted in non-standard colours from RAL or NCS palettes are available upon consultation with the Sales Department.
ACCESSORIES AND EQUIPMENT	Standard equipment: - perforated chipboard door with the DIN adjustable door frame - 3 adjustable type K pivot hinges or optionally 3 type T three-part hinges - latch-and-deadbolt lock for cylinder or key door with metal door frame FD12 - 3 type T three-part hinges - latch-and-deadbolt lock for cylinder or key - no ventilation options in the form of ventilation grills or ventilation tubes	Additional equipment: - hidden Dormakaba ITS 96 2-4 or Geze Boxer 2-4 door closer, - surface-mounted door closer - additional mortise or surface-mounted lock - electromagnetic lock - colours of SILKSTONE CPL 0.5 - drop seal - reinforcement for door closer - solid chipboard in-fill - electric NC or NO strike with cable routing - ventilation undercut, ventilation slot or panel with ventilation area Additionally for double-leaf doors - electric NC or NO strike with cable routing - semi-automatic shootbolts - surface-mounted door closers with closing sequence control



90 PLUS
WIDTH
FOR PUBLIC
UTILITY
BUILDINGS



REINFORCED DECO INVEST

In leaves with a metal door frame and a door closer, type T hinges ("70"-80"- 3 pcs, "90"-110"- 4 pcs) are used as a standard.

MECHANICAL CLASS III

Door built of a rail and stile set made of coniferous wood, topped with HDF boards on both sides; the in-fill is made of perforated chipboard. The leaf edge is protected with a stainless steel profile. Fixed metal FD12 door frame, optionally adjustable.

The door has the mechanical class 3.

- mechanical class 3 (single-leaf door)
- mechanical class 2 (double-leaf door)
- National Technical Assessment ITB-KOT-2021/2041 issue 1

DECO INVEST door, pattern 04, metal door frame



DECO INVEST door, pattern 02, metal door frame

DECO INVEST DOOR LEAVES



VERSION	00	01	02	03	04
LAMISTONE CPL	"70"- "90", "90 plus"	"100"	"110"		
LAMINATED CPL 0.2 mm	"70"- "90", "90 plus"	"100"	"110"		
LAMINATED CPL 0.5 mm	"70"- "90", "90 plus"	"100"	"110"		
LAMINATED CPL 0.7 mm	"70"- "90", "90 plus"	"100"	"110"		

DOUBLE LEAF

LAMISTONE CPL	"70"- "70"	"80"- "80"	"90"- "90"	"100"- "100"
LAMINATED CPL 0.2 mm	"70"- "70"	"80"- "80"	"90"- "90"	"100"- "100"
LAMINATED CPL 0.5 mm	"70"- "70"	"80"- "80"	"90"- "90"	"100"- "100"
LAMINATED CPL 0.7 mm	"70"- "70"	"80"- "80"	"90"- "90"	"100"- "100"

door leaves designed for the DECO INVEST fixed and adjustable metal door frame



- BMD 4 porthole



stainless steel profile

DECO INVEST DOUBLE-LEAF DOOR (mechanical class II) equipped with:

- 6 type T reinforced object hinges (3 hinges per leaf)
- stainless steel shields on the hinge side
- stainless steel shields on the lock side (active leaf)
- shields on the strike side with holes for shootbolt (passive leaf)
- FD12 fixed metal door frame

DOOR DIMENSIONS

DECO INVEST (ZO) adjustable metal door frame:
single-leaf door:
max. width: "110" - 1220 mm, max. height 2278 mm
double-leaf door:
max. width: "100+100" - 2155 mm, max. height 2278 mm

DECO INVEST (FD12) fixed metal door frame:
single-leaf door:
max. width: "110" - 1200 mm, max. height 2268 mm
double-leaf door:
max. width: "100+100" - 2135 mm, max. height 2268 mm

DOOR LEAF FINISH

Plain surface covered with the CPL 0.15 laminate (LAMISTONE);
CPL 0.2; CPL 0.5; CPL 0.7 or 0.8 mm thick HPL. 0.8mm.

GLAZINGS

Translucent or matt 4 mm tempered glass pane.

DOOR FRAMES

Door frame standard powder-coated in the colour of white (RAL 9016, 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001) and graphite (RAL 7024).

FD12 fixed metal door frame made of 1.5 mm thick steel sheet with rabbet seal.

Adjustable metal door frame made of 1.5 mm thick steel sheet (at an extra charge).

ACCESSORIES AND EQUIP- MENT

Standard equipment:
- mortise lock with stainless steel face, version WK, WB and WC
- three-element reinforced type T hinges ("70"- "110" - 3 pcs)
- reinforcement for door closer
- stainless steel protector of the door leaf edge (the lock side and the hinge side)

Additional equipment:
- surface-mounted door closer
- stainless steel grill
- roller lock, stainless steel pull handrail
- stainless steel panels glued to the door leaf bottom or at the handle height
- additional type T hinge - **7**
- version 01, 02, 03: stainless steel spacer



90 PLUS
WIDTH
FOR PUBLIC
UTILITY
BUILDINGS



DOOR LEAVES

mechanical class III with board structure

IN CASE OF DOOR LEAVES FOR METAL DOOR FRAMES
MANUFACTURED BY **OUR FACTORY**, HINGES ARE INCLUDED IN THE
DOOR FRAME PRICE.

IN CASE OF DOOR LEAVES FOR METAL DOOR FRAMES BY OTHER
MANUFACTURERS, DOOR LEAF HINGES ARE AVAILABLE

In leaves with a metal door frame and a door closer, type T hinges ("60"-80"- 3 pcs, "90"-110"- 4 pcs) are used as a standard.

The door is intended for use in public utility buildings with heavy traffic and in industrial and storage buildings as an interior door closing an opening in an interior wall between rooms. Particularly recommended for schools, kindergartens and hospitals.

The leaf is built of a **wooden frame** reinforced with two vertical strips connected with plywood and an enlarged lower rail and stile set; the in-fill is made of perforated chipboard.

- **class 3** mechanical strength
i.e. heavy service conditions according to PN-EN 1192:2001
- National Technical Assessment ITB-KOT-2021/2041 issue 1

interior door with board structure, mechanical class III, pattern 00, DIN adjustable frame



interior door with board structure, mechanical class III, pattern 00, DIN adjustable frame

DOOR LEAVES FOR METALWEE DOOR FRAMEJ, WOODEN DOOR FRAME, DIN ADJUSTABLE DOOR FRAME CLASS III



VERSION	00	02	03SD	04	05
PAINTED					
LAMISTONE CPL					
UNI MAT PLUS					
LAMINATED CPL 0.2 mm					
SILKSTONE					
SILKSTONE CPL 0.5 mm					
VENEERED GROUP A					
VENEERED GROUP B					
VENEERED GROUP C, D					
PAINTED – grey, beige					
PAINTED - black, sage					

Door leaf equipped with 3 pcs of hinges: type C (for wooden door frame), type K (for DIN adjustable door frame, III mechanical class), type T (for metal door frame); optionally: DIN door frame, mechanical class III with reinforcement for strike plate in form of pine strip; angular strike plate - extra charge added to the DIN adjustable door price

EXTRA CHARGE FOR LAMINATED GLASS INSTEAD OF TEMPERED GLASS IN DOOR LEAVES OF MECHANICAL CLASS III

MATT - WHITE MATT LAMINATED VSG 22.1 GLASS PANE

- door leaf, mechanical class III, pattern 03SD, width "60"- "80"
- door leaf, mechanical class III, pattern 03SD, width "90"- "100"
- door leaf, mechanical class III, pattern 04SD
- door leaf, mechanical class III, pattern 02SM, width "60"- "80"
- door leaf, mechanical class III, pattern 02SM, width "90"- "100"

DOOR DIMENSIONS

Wooden fixed door frame:
max. width "110" – 1189 mm, max. height 2264 mm
Wooden adjustable door frame:
max. width "110" – 1195 mm, max. height 2267 mm
System DIN system adjustable door frame mechanical class III:
max. width "100" – 1046 mm, max. height 2243 mm

Fixed metal FD12, FD14 door frame
max. width "110" – 1197 mm, max. height 2268 mm
Metal adjustable door frame:
max. width "110" – 1217 mm, max. height 2278 mm

DOOR LEAF FINISH

Plain surface painted, veneered, covered with CPL laminate with a thickness of 0.2 to 0.7 mm, HPL laminate with a thickness of 0.7 to 1 mm or wood-alike foil.

GLAZINGS

Tempered 4 mm or laminated 22.1 glass pane.

DOOR FRAMES

Door frame painted, veneered, covered with CPL 0.15 mm laminate or wood look-alike foil matched to the colour of the door leaf.
Fixed wooden pine door frame optionally with masking mouldings, quarter round.
Wooden adjustable door frame with widening panels and angular architraves
Adjustable DIN mechanical class III door frame made of 22 mm thick MDF boards with special reinforcement for a strike plate in the form of a pine strip, angular strike plate.

FD12 fixed metal door frame made of 1.5 mm thick steel sheet, **FD14 fixed metal door frame** made of 1.5 mm thick steel sheet; standard powder-coated in the colour of white (RAL 9016, 9003); grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024) and black (RAL 9005).
Adjustable metal door frame made of 1.5 mm thick steel sheet; standard powder-coated in the colour of white (RAL 9016, 9003), grey (RAL 7047), brown (RAL 8014), beige (RAL 1001), graphite (RAL 7024) and black (RAL 9005); it consists of a major part and an angular architrave that is slid into the major part.

ACCESSORIES AND EQUIPMENT

Standard equipment:
Door with wooden door frame
- 3 type C pivot hinges adjustable in third planes
- latch-and-deadbolt lock for cylinder or key
Door with system DIN door frame, mechanical class III:
- 3 adjustable type K pivot hinges or optionally 3 type T three-part hinges
- latch-and-deadbolt lock for cylinder or key
Door with metal door frame
- 3 type T three-part hinges
- latch-and-deadbolt lock for cylinder or key

standard equipment:
- surface-mounted door closer
- additional mortise or surface-mounted lock
- electric NC or NO strike
- electromagnetic lock
- TYPE T hinge (1 piece)
- DIN mechanical class III door frame - extra charge to the DIN adjustable door frame price
- width "100"
- width "110"
- drop seal
- ventilation undercut - p. 245

CAMBIO DOOR LEAVES WITH PICTOGRAM

CAMBIO DOOR LEAVES, PATTERN 00 WITH PICTOGRAMS

pattern 00 with pictogram pattern A, pattern B, pattern C, pattern D colour RAL 9003

other colours acc. to the table of extra charges p. 264

p. 264

one-sided pictogram, always on the hinge side

WOMEN A



MEN B



DISABLED C



MOTHER WITH CHILD D



STAINLESS STEEL PANEL WITH ICONS

STAINLESS STEEL PANEL WITH ICONS

STAINLESS BRUSHED STEEL 1.5 MM THICK, 150 MM WIDE PANEL WITH ICONS

The panel is available with one, two or three icons presented in the photograph.



ALUMINIUM DECORS

colour chrome matt, black

ALU DECORS FOR FIRE DOORS, CERBER PLUS, B-30, C-30, RC3, CERBER PLUS RC2 (DECOR ENDS ROUNDED) (tips of decors are rounded)

W01

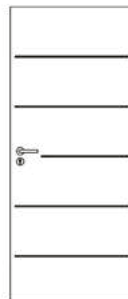
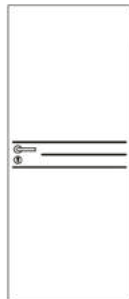
W02

W03

W05

W07

W08



ALUMINIUM MOULDINGS FOR FIRE DOORS, CERBER PLUS, CERBER PLUS RC2, B-30, C-30, RC3 (moulding tips have straight endings, flush with the door leaf edge) (except the painted ones)

W1

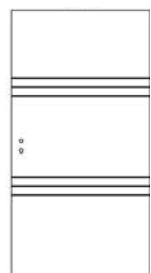
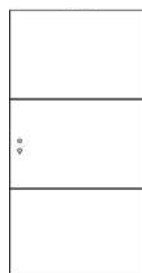
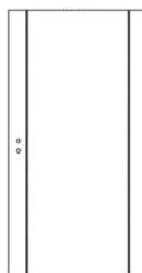
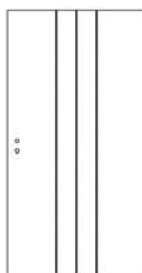
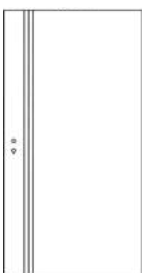
W2

W3

W4

W5

W6



ADDITIONAL EQUIPMENT

STAINLESS STEEL, THICKNESS: 0.6 MM THICK, FOR FIRE DOOR EI30, EI30 PLUS, EI60 PLUS (1 COMPLETE SET)

width "60" width "70" width "80" width "90" width "100" width "110" width "120"

variant A: polished or brushed steel

STAINLESS STEEL, THICKNESS: 0.6 MM THICK, FOR INTERIOR DOOR (1 COMPLETE SET)

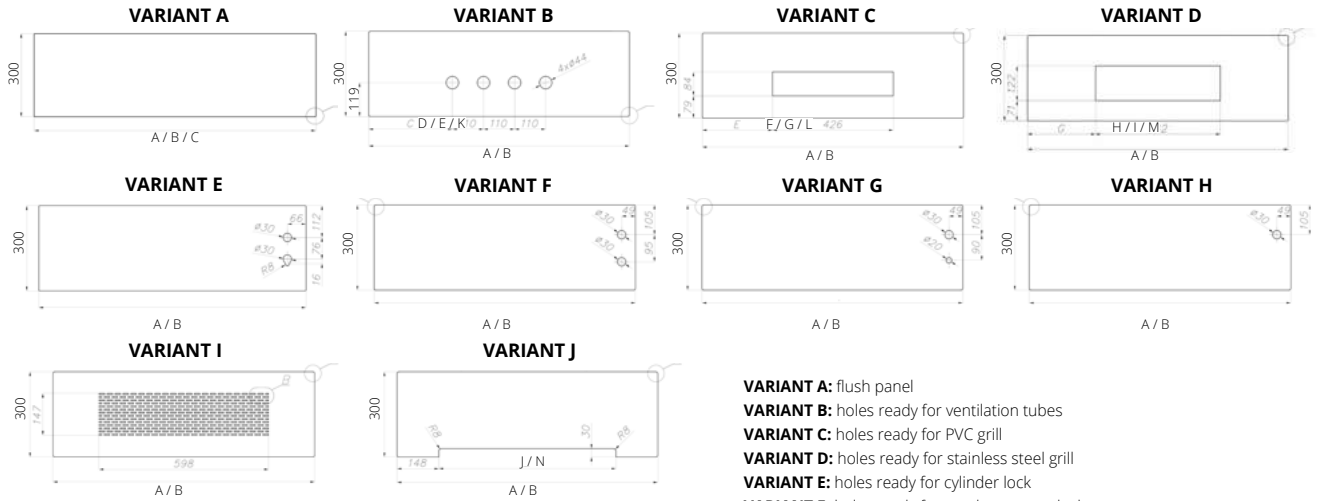
variant A: polished or brushed steel

variant B,C,D: polished or brushed steel

variant E,F,G,H: polished or brushed steel

variant I: polished or brushed steel

variant J: polished or brushed steel



- VARIANT A:** flush panel
- VARIANT B:** holes ready for ventilation tubes
- VARIANT C:** holes ready for PVC grill
- VARIANT D:** holes ready for stainless steel grill
- VARIANT E:** holes ready for cylinder lock
- VARIANT F:** holes ready for one-key system lock
- VARIANT G:** holes ready for WC lock
- VARIANT H:** holes ready for "small lock"
- VARIANT I:** panel with ventilation holes
- VARIANT J:** panel for door leaves with ventilation undercut

- **POLISHED OR BRUSHED STEEL PANELS**
- **PANEL EDGES BLUNTED**
- **PANEL CORNERS ROUNDED - RADIUS 4x R3**

DIMENSIONS: INTERIOR

VARIANT A (REBATED)				VARIANT B, C, D, E, F, G, H, I (REBATED)									
width	A	B	C	width	A	B	D	E	F	G	H	I	J
"30"	-	-	329	"60"*	642	616	156	143	108	95	100	87	506
"40"	-	-	429	"70"	742	716	206	193	158	145	150	137	606
"50"	-	-	529	"80"	842	816	256	243	208	195	200	187	706
"60"	642	616	629	"90"	942	916	306	293	258	245	250	237	806
"70"	742	716	729	"90 plus"	952	926	311	298	263	250	255	242	816
"80"	842	816	829	"100"	1042	1016	356	343	308	295	300	287	906
"90"	942	916	929	"110"	1142	1116	406	393	358	345	350	337	1006
"90 plus"	952	926	-	"120"	1242	1216	456	443	408	395	400	387	1106
"100"	1042	1016	1029										
"110"	1142	1116	-										

- A** panel on the flange side (hinge side)
- B** panel on rabbet side (the side opposite the hinge side)
- C** panel on flange side (hinge side), rabbet side (the side opposite the hinge side) - applies to the passive door leaf (in double-leaf door)
- D** distance of the ventilation tube hole from the door leaf edge (hinge side)
- E** distance of the PVC grill from the door leaf edge (hinge side)
- F** distance of the PVC grill from the door leaf edge (hinge side)
- G** distance of the PVC grill from the door leaf edge (the side opposite the hinge side)
- H** distance of the grill from the door leaf edge (hinge side)
- I** distance of the grill from the door leaf edge (the side opposite the hinge side)
- J** ventilation undercut width
- * except VARIANT I**

DIMENSIONS: INTERIOR

VARIANT A, B, C, D, E, F, H, I (NON-REBATED)					
width	A	K	L	M	N
"60"*	623	146.5	98.5	90.5	327
"70"	723	196.5	178.5	140.5	427
"80"	823	246.5	198.5	190.5	527
"90"	923	296.5	248.5	240.5	627
"90 plus"	948	309	261	253	657
"100"	1023	346.5	298.5	290.5	727
"110"	1123	396.5	348.5	340.5	827
"120"	1223	446.5	398.5	390.5	927

- A** panel width
- K** distance of the ventilation tube hole from the door leaf edge
- L** distance of the PVC grill from the door leaf edge
- M** distance of the grill from the door leaf edge
- N** ventilation undercut width
- * except VARIANT I**

DIMENSIONS: REBATED EI30, EI30 PLUS, EI60 PLUS

DIMENSIONS A, E (REBATED EI30, EI30 PLUS, EI60 PLUS)			
width	A	B	C
"30"	-	-	334
"40"	-	-	434
"50"	-	-	534
"60"	646	622	634
"70"	746	722	734
"80"	846	822	834
"90"	946	922	934
"90 plus"	966	942	-
"100"	1046	1022	1034
"110"	1146	1122	1134

- A** panel on the flange side (hinge side)
- B** panel on rabbet side (the side opposite the hinge side)
- C** panel on flange side (hinge side), rabbet side (the side opposite the hinge side) - applies to the passive door leaf (in double-leaf door)

ADDITIONAL EQUIPMENT

STAINLESS STEEL HINGES [REBATED SYSTEM]

Hinge type

metal interior door frame	OTLAV three-part OT-CI335-150IM02
DIN rebated door frame	OTLAV three-part OT-CI335-150IM04
fire EI30 Plus, EI60 Plus with metal door frame	ECO SCHULTE OBX-3011-3D (pocket) ECO SCHULTE OBX-18-1531/120 (hinge)
	Extra charge required for pre-milling for hinge
fire EI30 Plus, EI60 Plus with wooden door frame	ECO SCHULTE OBX-3101-3D (pocket) ECO SCHULTE OBX-3199 (shield)
EI30 escape	ECO SCHULTE OBX-18-1531/120 (hinge)

Door type	force	Surface-mounted door closers	Hidden door closer
RC4, RC4 EI30	4	GEZE TS 2000, GROOM 200, DORMA TS 83, DORMA TS 92, DORMA TS 93, GEZE TS 3000, GEZE TS 5000	-
B-30, C-30, RC3, SR 37 dB	4	GEZE TS 2000, GEZE TS 3000, GROOM 200, DORMA TS 83	BOXER 2-4, ITS 420 2-4, ITS 96 2-4
FR EI30	4	GEZE TS 2000, GEZE TS 3000, GEZE TS 4000, GROOM 200, DORMA TS 83, DORMA TS 93	BOXER 2-4, ITS 420 2-4, ITS 96 2-4
FR EI30 SR 42 dB, AKUSTIK 42 dB	4	GEZE TS 2000, GEZE TS 3000, GEZE TS 4000, GROOM 200, DORMA TS 83, DORMA TS 93	BOXER 2-4, ITS 96 2-4
EI30 PLUS flush height up to 2200 mm	4*	GEZE TS 2000*, GEZE TS 3000, GEZE TS 4000*, GROOM 200*, DORMA TS 83*	BOXER 2-4, ITS 420 2-4, ITS 96 2-4
EI30 PLUS flush height from 2201 mm up to 2500 mm	5	GEZE TS 2000, GROOM 200, DORMA TS 83, DORMA TS 93	-
EI30 PLUS glazed height up to 2200 mm	5	GEZE TS 2000, GROOM 200, DORMA TS 83, DORMA TS 93	-
EI30 PLUS glazed height from 2201 mm to 2500 mm	6	GEZE TS 4000, GEZE TS 5000, DORMA TS 83, DORMA TS 93	-
EI60 PLUS flush height up to 2200 mm	5	GEZE TS 2000, GROOM 200, DORMA TS 83, DORMA TS 93	BOXER 2-4 *** ITS 420 2-4 *** ITS 96 3-6
EI60 PLUS flush height from 2201 mm to 2500 mm	6	GEZE TS 4000, GEZE TS 5000, DORMA TS 83, DORMA TS 93	ITS 96 3-6
EI60 PLUS glazed height up to 2400 mm	6**	GEZE TS 4000, GEZE TS 5000, DORMA TS 83**, DORMA TS 93**	ITS 96 3-6
EI60 PLUS glazed height from 2401 mm to 2500 mm	7	DORMA TS 83, DORMA TS 93	-
soundproof door TYPE A, TYPE B	4*	GEZE TS 2000*, GEZE TS 3000, GEZE TS 4000*, GROOM 200, DORMA TS 83	-
soundproof door TYPE A DUO, TYPE B DUO	4*	GEZE TS 2000, GEZE TS 3000, GEZE TS 4000, GROOM 200, DORMA TS 83	BOXER 2-4 **** ITS 420 2-4, ITS 96 2-4
interior	4*	GEZE TS 2000*, GEZE TS 3000, GEZE TS 4000*, GROOM 200, DORMA TS 83	GEZE BOXER 2-4 with rail****, ASSA ABLOY DC840 with rail G892

Arm door closers: GEZE TS 2000, GROOM 200, DORMA TS 83, GEZE TS 4000 Rail door closers: GEZE TS 3000, DORMA TS 93, GEZE TS 5000

* for a "110" mm wide door leaf: size 5 door closer

* for a "110" mm wide door leaf: size 7 door closer

*** only for the 1012x2075 mm size door

**** only with fixed door frame

***** door leaf thickness 46 mm, only applicable to rebated door

SPECIFICATION OF HINGES

Door type	Notes	Number of hinges	Type of hinges
TYPE A / TYPE B	-	3	ø13.5 pivot hinge
TYPE A / TYPE B DUO	for widths from "60" to "70"	2	DUO hidden hinge
	for widths from "80"	3	
	for extended doors	3	
DECO INVEST	-	3	three-part T type hinge
HIGRO	-	2	TECTUS by Simonswerk
GAMMA	for widths from "60" to "110"	3	ECO SCHULTE OBX hinge
SR 37 dB	for widths from "60" to "90 PLUS"	3	ø20 pivot hinge
	for width "100"	4	
RC3, RC3 INVEST	-	4	ø16 pivot hinge
RC4	-	2	ECO SCHULTE OBX hinge
RC4 EI30	-	3	ECO SCHULTE OBX hinge
CERBER PLUS, CERBER PLUS RC2	-	3	ø16 pivot hinge
B-30	for widths from "60" to "90 PLUS"	3	ø20 pivot hinge
	for width "100"	4	
	for extended doors	4	
C-30	for widths from "60" to "90 PLUS"	3	ø20 pivot hinge
	for width "100"	4	
	for extended doors	4	
FR EI30 SR 32 dB	for widths from "60" to "90 PLUS"	3	ø20 pivot hinge
	for width "100"	4	
	for extended doors	4	
FR EI30 SR 42 dB DM, AKUSTIK 42 dB	-	2	ECO SCHULTE OBX hinge
EI30 PLUS	for widths from "60" to "90 PLUS"	3	ø20 pivot hinge
	for widths from "100", "110"	4	
	for doors extended over 25mm	4	
EI30 PLUS rebated version	-	3	ECO SCHULTE/TECTUS by Simonswerk
EI60 PLUS	-	4	ø20 pivot hinge
EI30 PLUS non-rebated version	-	3	ECO SCHULTE/TECTUS by Simonswerk
FR EI30 SR 42	for widths from "60" to "100"	2	ECO SCHULTE OBX hinge
	for width "110"	3	ECO SCHULTE OBX hinge

ADDITIONAL EQUIPMENT

HIDDEN AND OBJECT HINGES [NON-REBATED SYSTEM] FOR FIRE DOOR WITH METAL DOOR FRAME

of the door.	width "60"- "90" x height 2000 mm	width "100" x height 2000 mm	width "110" x height 2000 mm
EI30 PLUS	3 pcs of TECTUS hinges by Simonswerk TE 340 3D FR extra charge per piece	3 pcs of TECTUS hinges by Simonswerk TE 340 3D FR extra charge per piece	3 pcs of TECTUS hinges by Simonswerk TE 540 3D FR extra charge per piece
EI60 PLUS	3 pcs of TECTUS hinges by Simonswerk TE 540 3D FR extra charge per piece	3 pcs of TECTUS hinges by Simonswerk TE 540 3D FR extra charge per piece	3 pcs of TECTUS hinges by Simonswerk TE 540 3D FR extra charge per piece

HIDDEN HINGES [NON-REBATED SYSTEM] FOR FIRE DOOR WITH METAL DOOR FRAME

door	width "60"- "90" x height 2000 mm	width "100" x height 2000 mm	width "110" x height 2000 mm
EI30 PLUS	3 pcs of TECTUS hinges by Simonswerk TE 340 3D FR extra charge per piece	3 pcs of TECTUS hinges by Simonswerk TE 340 3D FR extra charge per piece	3 pcs of TECTUS hinges by Simonswerk TE 540 3D FR extra charge per piece
EI60 PLUS	3 pcs of TECTUS hinges by Simonswerk TE 540 3D FR extra charge per piece	3 pcs of TECTUS hinges by Simonswerk TE 540 3D FR extra charge per piece	3 pcs of TECTUS hinges by Simonswerk TE 540 3D FR extra charge per piece

PANIC BAR FOR SINGLE-LEAF DOOR (ESCAPE, FIRE AND INTERIOR DOOR) WITH SINGLE-POINT LOCKING.

PHA 2102 panic bar for fire door
 PHA 2104 panic bar rod for fire door (for a max. 1000 mm wide door leaf)
 PHA 2105 panic bar rod for fire door (for a max. 1300 mm wide door leaf)
 PHA 3905 panic handle with spindle for fire door
 class A asymmetrical cylinder, silver 9/31 standard
 bar latch, latch 1 piece

PANIC BAR FOR SINGLE-LEAF (FIRE) DOOR WITH THREE-POINT LOCKING SYSTEM

PHA 2102 panic bar for fire door
 PHA 2104 panic bar rod for fire door (for a max. 1000 mm wide door leaf)
 PHA 2105 panic bar rod for fire door (for a max. 1300 mm wide door leaf)
 PHA 3905 panic handle with spindle for fire door
 PHX 04 vertical rods with shield (for a 2270 mm height door leaf)
 PHX 05 vertical rods with shield (for a 3400 mm height door leaf)
 PHX 03 vertical door bolts with latches
 class A asymmetrical cylinder, silver 9/31 standard
 bar latch, latch 2 piece

PANIC BAR FOR DOUBLE-LEAF DOOR (ESCAPE, FIRE AND INTERIOR DOOR) WITH THREE-POINT LOCKING

PHA 2102 panic bar for fire door - 2 pcs
 PHA 2104 panic bar rod for fire door (for a max. 1000 mm wide door leaf) - 2 pcs
 PHA 2105 panic bar rod for fire door (for a max. 1300 mm wide door leaf) - 2 pcs
 PHA 3905 panic handle with spindle for fire door
 PHX 04 vertical rods with shield (for a 2270 mm height door leaf)
 PHX 05 vertical rods with shield (for a 3400 mm height door leaf)
 PHX 03 vertical door bolts with latches
 class A asymmetrical cylinder, silver 9/31 standard
 bar latch, latch 1 piece

AUXILIARY EQUIPMENT

600 ALH EMC lock
 reinforcement for EMC lock for DIN door frame
 reinforcement for EMC lock for steel door frame
 Mounting component - L+Z racket for EMC 600 ALH (mounting are selected depending on the EMC lock installation method)
 Mounting component for AMF 600 fire door for 600 ALH EMC lock
 MC 250 mortise reed switch
 MC200-S19 mounting flange for reed switch (white colour) (for metal door frames):
 stainless steel pull handrail for DECO INVEST door (double-sided, length 900 mm, d=25)
 roller lock, version with cylinder for the DECO INVEST door (version WK, WC)
 ABLOY EL560/EI 561 lock (lock + shield (cable routing) EA 281 + kabel EA 218)*
 ABLOY EL560/EI 561 lock (lock + shield (cable routing) EA 280 + kabel EA 218)*
 * extra charge for milling for lock

ADDITIONAL EQUIPMENT

FIRE PROTECTION HANDLES FOR THE E130 SR32, E130 PLUS, SR 37 DOORS

Handle 903.92.276 (spindle: 8 mm square, length 100 mm, stud length 60 mm) + rose WB
 Handle 903.92.076 (spindle: 8 mm square, length 100 mm, stud length 60 mm) + rose WB
 Handle 903.92.154 (spindle: 8 mm square, length 100 mm, stud length 60 mm) + WB rose



903.92. 276



903.92. 076



903.92. 154

FIRE PROTECTION HANDLES FOR THE E130 SR42, E160 PLUS DOOR

Handle 903.92.276 (spindle: 8 mm square, length 100 mm, stud length 70 mm) + WB rose
 Handle 903.92.076 (spindle: 8 mm square, length 100 mm, stud length 70 mm) + WB rose
 Handle 903.92.154 (spindle: 8 mm square, length 100 mm, stud length 70 mm) + WB rose

FIRE PORTHOLE FOR E130 PLUS, E160 PLUS DOOR

fire porthole for E130 PLUS door (Ø 320 mm)
 fire porthole for E160 PLUS door (Ø 320 mm)

FIRE PROTECTION GRILL FOR E130 PLUS, E160 PLUS DOOR

GRILL DIMENSIONS [MM]
 500 x 150
 300 x 150

HINGE CAPS FOR E160 PLUS, E130 PLUS B-30, C-30, FR E130 DOORS (WOODEN DOOR FRAME)

PVC dia. 20 mm cap white, brown, black
 PVC dia. 20 mm cap chrome matt, nickel matt

HINGE CAPS FOR RC3, CERBER PLUS, CERBER PLUS RC2 DOORS (WOODEN DOOR FRAME)

PVC dia. 16 mm cap white, brown, black
 PVC dia. 16 mm cap chrome matt, nickel matt

HIDDEN DOOR CLOSERS

ITS 96 (2-4) DORMA WITH RAIL (silver colour)
 ("easy open" aided opening function, opening limiter)

ITS 420 2-4 WITH RAIL

ITS 96 (3-6) DORMA WITH RAIL (silver colour)
 ("easy open" aided opening function, opening limiter)

GEZE BOXER 2-4 (silver colour)

GEZE BOXER 3-6 (silver colour)

GEZE BOXER 3-6 (colour RAL 9005)

GEZE BOXER 2-4 with an electromechanical opening lock

surface-mounted DOOR CLOSERS GEZE, DORMA/GROOM

Door closer TS 2000 NV (2-4) with arm (silver colour)

Door closer TS 3000 (1-4) with rail and mounting plate

Door closer TS 4000 (1-6) with arm (silver colour)

opening angle lock RF G-N for door closer TS 93B

Door closer GROOM GR 200 (2-5)

Door closer TS 83 (3-6) with arm

ASSA 2396 semi-automatic shootbolts for door with door closer with closing sequence control (up to 1 piece of double-leaf door)

Closing sequence control must be used for double-leaf fire door since it is required to keep fire door permanently closed in the event of fire. The closing sequence control can be used in double-leaf fire doors with a wooden or metal door frame and in double-leaf interior doors with an adjustable DIN system or metal frame. The minimum width of the double-leaf door at which the closing sequence control system can be used is "90+40". In the case of doors with a passive leaf with a width of "30", a door closer cannot be installed. If the door is equipped with manually slid shootbolts, it is required to obtain an appraisal by a fire protection expert who will analyse the specific situation and give an approval of such solution for the building in question.

Set of door closers with closing sequence control (includes 2 pcs of surface-mounted door closer TS93B and rail GSR V). Fire door must be equipped with ASSA 2396 automatic shootbolts or a panic bar with a three-point locking system.

Interior doors must be fitted with a panic lever with three-point bolt locking system. In addition, if the door is to be kept permanently open, it must be equipped with electromagnetic holders.

GTR 048 by DORMAKABA

GTR 048 by DORMAKABA suitable for fixing the holder to the floor; it is necessary to optionally order the angle bar. Complete set holder + angle bar

HARMONY DOOR FRAME (RAW, FOR DO-IT-YOURSELF PAINTING) COMPATIBLE WITH ELECTRIC STRIKE

DOOR FRAME WITH NC ELECTRIC STRIKE

"60"- "80" x 2040/2050 mm
 "90"- "100" x 2040/2050 mm
 "60"- "100" x 2140/2150 mm
 "60"- "100" x 2240/2250 mm
 "60"- "100" x 2340/2350 mm
 "60"- "100" x 2440/2450 mm

DOOR FRAME WITH NO ELECTRIC STRIKE

"60"- "80" x 2040/2050 mm
 "90"- "100" x 2040/2050 mm
 "60"- "100" x 2140/2150 mm
 "60"- "100" x 2240/2250 mm
 "60"- "100" x 2340/2350 mm
 "60"- "100" x 2440/2450 mm

ELECTRIC STRIKES FOR METAL FRAME FOR THE RC3 DOOR

symmetrical BIRA electric strike 12V AC/DC standard

symmetrical BIRA electric strike 12V AC/DC including mem.

symmetrical BIRA electric strike 24V AC/DC standard

symmetrical BIRA electric strike 24V AC/DC including mem.

symmetrical BIRA electric strike 12V AC/DC including closing control, standard

symmetrical BIRA electric strike 12V AC/DC including closing control, with mem.

symmetrical low-voltage BIRA electric strike 24 V DC including closing control and varistor, standard

symmetrical low-voltage BIRA electric strike 24 V DC including closing control and varistor, including mem.

metal door frame reinforcement RC3 for electric strike

ADDITIONAL EQUIPMENT

ELECTRIC NC STRIKE IN THE HALSPAN SYSTEM EI30 PLUS DOUBLE-LEAF FIRE DOOR (INCLUDING: ELECTRIC STRIKE + STRIKE PLATE + CABLE + CABLE ROUTING)

HARTTE SHD12U electric strike (12V AC/DC)
HARTTE SHD24U electric strike (24V AC/DC)
JIS 1710 electric strike 12-24 AC/DC
JIS 1733-12AC/DC electric strike (including built-in memory)
JIS 1733-24AC/DC electric strike (including built-in memory)
*series SHD - other models of electric strikes available subject to consultation with the Sales Department
Electric strike EFF-EFF 118F.14-----A71 (10-24V AC/DC)
Electric strike plate (11F35-04 or 11F35-05) – for rebated door
Fire 447 electric strike 6-12V AC/DC
Electric strike Fire 447 12V DC 100% ED*
Electric strike Fire 447 24V DC 100% ED*
Electric strike plate FL 22
* non-heating electric strike
Cable EFF-EFF 760-250-00
Cable routing EA 281

ELECTRIC NC STRIKE IN THE HALSPAN SYSTEM EI30 AND EI60 PLUS DOUBLE-LEAF FIRE DOOR (INCLUDING: ELECTRIC STRIKE + STRIKE PLATE + CABLE + CABLE ROUTING)

HARTTE SHD12U electric strike (12V AC/DC)
HARTTE SHD24U electric strike (24V AC/DC)
Electric strike plate FL 22
*series SHD - other models of electric strikes available subject to consultation with the Sales Department
Electric strike EFF-EFF 118F.14-----A71 (10-24V AC/DC)
Electric strike plate (11F35-04 or 11F35-05) – for rebated door (only EI30 door)
Fire 447 electric strike 6-12V AC/DC
Electric strike Fire 447 12V DC 100% ED*
Electric strike Fire 447 24V DC 100% ED*
Electric strike plate FL 22
* non-heating electric strike
Cable EFF-EFF 760-250-00
Cable routing EA 281

HARDWARE FOR SINGLE-LEAF ESCAPE DOORS WITH MORTISE LOCK (FOR EI30, EI60 FIRE DOORS WITH METAL DOOR FRAME) (INCLUDING BAR + ROD + STUD + HANDLE OR KNOB)

PHA 2500 bar, panic function B*
PHA 2500 bar, panic function D*
PHA 2500 bar, panic function E*
PHA 2104 rod (for door leaf with a width of up to 1000 mm)
PHA 2105 rod (for door leaf with a width of up to 1300 mm)
*lock with rounded sheet 20x235 mm, backset 65 mm, right-hand or left-hand
Hardware available in the Silver and stainless steel finish
Split spindle PR 120 FS-53 (for EI30 Plus door)
Split spindle PR 120 FS-60 (for EI60 Plus door)
Handle 8100 with longitudinal backplate 7051 (function B, D) - aluminium finish
Handle 8100 with longitudinal backplate 7051 (function B, D) - stainless steel finish
Spindle PR 115 FS-75 (for EI30 Plus door)
Spindle PR 115 FS-75 (for EI60 Plus door)
Knob 8020 with longitudinal backplate 7051 (function E) - stainless steel finish
Knob 8020 with longitudinal backplate 7051 (function E) - aluminium finish

MORTISE PANIC LOCKS (THE COMPLETE SET INCLUDES LOCK + SPINDLE + HANDLE) FOR TECHNICAL DOORS (FOR EI30, EI30 PLUS, EI60 PLUS FIRE DOORS)

GBS 92 with panic function type B backset 65 lock face plate 24x235
GBS 92 with panic function type E backset 65 lock face plate 24x235
GBS 92 with panic function type D backset 65 lock face plate 24x235
split spindle 9 mm
double-sided handle for door with panic lock:
*handle - handle on oval backplate
*handle - knob on oval backplate

ADDITIONAL EQUIPMENT

MORTISE PANIC LOCKS FOR INTERIOR DOOR (THE SET INCLUDES LOCK + SPINDLE + HANDLE)

- GBS 92 with type B panic function, backset 65 mm, face plate 20x235 mm
- GBS 92 with type D panic function, backset 65 mm, face plate 20x235 mm
- GBS 92 with type E panic function, backset 65 mm, face plate 20x235 mm
- split spindle 9 mm (panic function type D and B)
- handle - handle (panic function type D and B)
- handle - knob (spindle 9 mm, panic function type E)

ELECTRIC NC STRIKE IN THE HALSPAN SYSTEM EI30 PLUS SINGLE-LEAF FIRE DOOR (INCLUDING: ELECTRIC STRIKE + STRIKE PLATE)

- HARTTE SHD12U electric strike (12V AC/DC)
- HARTTE SHD24U electric strike (24V AC/DC)
- JJS 1733-12AC/DC electric strike (including built-in memory)
- JJS 1710 electric strike 12-24 AC/DC
- JJS 1733-24AC/DC electric strike (including built-in memory)
- Electric strike plate SPEC-240 (rebated door)
- Electric strike plate SPEC-251 (non-rebated door)
- *series SHD - other models of electric strikes available subject to consultation with the Sales Department
- Electric strike EFF-EFF 118F.14-----A71 (10-24V AC/DC)
- Electric strike plate (11F35-04 or 11F35-05) - for rebated door (only EI30 door)
- Electric strike Fire 447 6-12V AC/DC
- Electric strike Fire 447 12V DC 100% ED*
- Electric strike Fire 447 24V DC 100% ED*
- Electric strike plate WR 25-R, WL 25-R - for rebated door
- * non-heating electric strike

ELECTRIC NC STRIKE IN THE HALSPAN SYSTEM EI30 AND EI60 PLUS SINGLE-LEAF FIRE DOOR (INCLUDING: ELECTRIC STRIKE + STRIKE PLATE)

- HARTTE SHD12U electric strike (12V AC/DC)
- HARTTE SHD24U electric strike (24V AC/DC)
- Electric strike plate SPEC-240 (rebated door)
- Electric strike plate SPEC-251 (non-rebated door)
- *series SHD - other models of electric strikes available subject to consultation with the Sales Department
- Electric strike EFF-EFF 118F.14-----A71 (10-24V AC/DC) (only EI30 door)
- Electric strike plate (11F35-04 or 11F35-05) - for rebated door (only EI30 door)
- Electric strike Fire 447 6-12V AC/DC
- Electric strike Fire 447 12V DC 100% ED*
- Electric strike Fire 447 24V DC 100% ED*
- Electric strike plate WR 25-R, WL 25-R - for rebated door
- * non-heating electric strike

ELECTRIC NO STRIKE IN EI30, EI30 PLUS, EI60 PLUS SINGLE-LEAF FIRE DOOR

(INCLUDING: ELECTRIC STRIKE + STRIKE PLATE + LOCK TVZ -510)

- HARTTE SHD12R electric strike (12V AC/DC)
- HARTTE SHD24R electric strike (24V AC/DC)
- TV-Z 510 lock (Dormakaba)
- Electric strike plate SPEC-250 (rebated door)
- Electric strike plate SPEC-236 (non-rebated door)

ELECTRIC NO STRIKE IN EI30, EI30 PLUS, EI60 PLUS DOUBLE-LEAF FIRE DOOR

(INCLUDING: ELECTRIC STRIKE + STRIKE PLATE + TVZ -510 LOCK + CABLE + CABLE ROUTING)

- HARTTE SHD12R electric strike (12V AC/DC)
- HARTTE SHD24R electric strike (24V AC/DC)
- TV-Z 510 lock (Dormakaba)
- Electric strike plate OKU -007
- Cable EFF-EFF 760-250-00
- Cable routing EA 281



PANORAMIC VIEWER

- stainless steel
- brass
- black matt
- anthracite

Viewers:

- interior doors, Cerber Plus: viewer Ø15 LOB with a range of 35-55 mm
- technical door: viewer Ø20 Panorama 200 with a range of 45-70 mm

ELECTRIC STRIKE FOR DECO INVEST DOUBLE-LEAF DOOR price per piece

- electric NC strike 118 + catch plate + cable routing + cable + milling for electric strike
- electric NO strike 138/NO/Profix2/1 + catch plate + cable routing + cable + milling for electric strike

OAK THRESHOLDS FOR DOORS CERBER PLUS, CERBER RC2 B-30, C-30, RC3



black threshold, ALU strip in the colour of black



brown threshold, ALU strip in the colour of black



grey threshold, ALU strip in the colour of silver

- **fixed or adjustable**
- **wooden, steel or MDF**
- **architraves connected at an angle of 45° and 90°**
- **for interior, entrance and technical door**
- **rebated, hidden, non-rebated, reverse-rebate system**

DOOR FRAMES

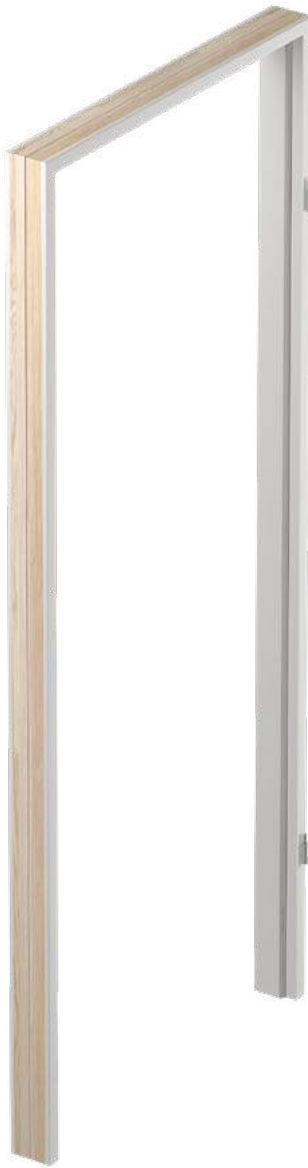
The door frame is an essential component of a door set, crucial for its functionality and attractive appearance. The basic criterion that makes door frames vary is their structure which can be either fixed or adjustable.

A well-chosen door frame should fit, both technically - the thickness of the wall - and aesthetically - the style of the interior and the design and colour of the door leaf.





door frame FIXED



laminated CPL 0.2				VENEERED		
HIGH TOP	PAINTED* white	PAINTED* grey, beige	BLACK black, sage	GROUP A	GROUP B	GROUP C, D
LAMISTONE CPL						
SILKSTONE						
UNI MAT PLUS						

single-leaf door
double-leaf door

EXTRA CHARGES

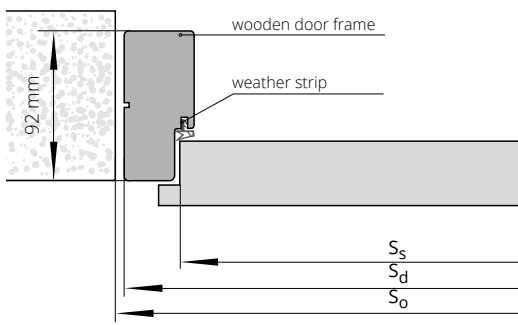
door frames lower by 50 mm or 100 mm	without an extra charge
door frames higher by 50 mm or 100 mm	
door frames higher by 150 mm or 200 mm	
"100"	
"110"	
electric NC strike JJS 1710 12-24V AC/DC (including catch plate and milling for the electric strike) **	
electric NC strike BIRA HARTTE XS narrow XS12U 12V AC/DC (including plate and milling for the electric strike)**	
electric NC strike with off-switch BIRA HARTTE XS12UW 12V AC/DC (including catch plate and milling for the electric strike) **	
electric NC strike BIRA HARTTE XS narrow XS12R 12V DC (including plate and milling for the electric strike)**	

EXTRA CHARGE TABLE	GROUP I	GROUP II	GROUP III	GROUP IV	GROUP V
for RAL, NCS door frames acc. to the colour groups*					

OPTION

LD6 masking strips (at an extra charge)

*environment-friendly acrylic paints, RAL and NCS colours (except metallic ones)
- available at an extra charge according to the colour groups (p. 264)
** for leaves equipped with the ECO Schulte GBS 12 lock - extra charge



WIDTH						
single-leaf door			double-leaf door			
type	S _o	S _d	S _s	type	S _o	S _d
"60"	709	689	618	"60"+"60"	1343	1323
"70"	809	789	718	"60"+"70"	1443	1423
"80"	909	889	818	"60"+"80","70"+"70"	1543	1523
"90"	1009	989	918	"60"+"90","70"+"80"	1643	1623
"90 plus"	1019	999	928	"70"+"90","80"+"80"	1743	1723
				"80"+"90"	1843	1823
				"90"+"90"	1943	1923

HEIGHT			
	H _o	H _d	H _s
	2074	2064	2020

S_s - door leaf width
S_d - door width on the door frame external side
S_o - installation opening width

H_s - door leaf height
H_d - door height on the external side of the door frame
H_o - installation opening height

door frame **FIXED** SYSTEM DUO



single-leaf door
double-leaf
door

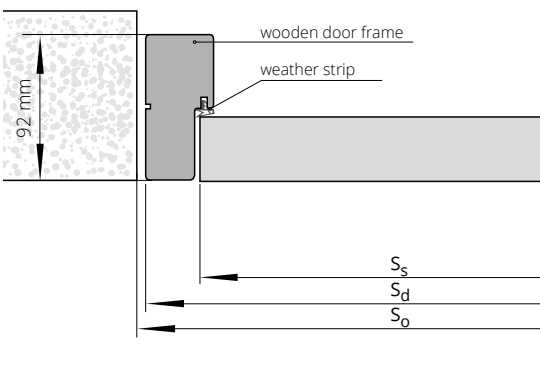
laminated CPL 0,2				VENEERED		
HIGH TOP	PAINTED* white	PAINTED* grey, beige	BLACK black, sage	GROUP A	GROUP B	GROUP C, D
LAMISTONE CPL						
SILKSTONE						
UNI MAT PLUS						

EXTRA CHARGES

door frames lower by 55 mm or 100 mm						without an extra charge
door frames higher by 50 mm or 100 mm						
door frames higher by 150 mm or 200 mm						
electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12R-C 12V DC (including SPEC-525 strike plate and milling for the electric strike)**						
electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12U-C 12V AC/DC (including SPEC-525 strike plate and milling for the electric strike)**						
electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12UW-C 12V AC/DC (including SPEC-525 strike plate and milling for the electric strike)**						
EXTRA CHARGE TABLE	GROUP I	GROUP II	GROUP III	GROUP IV	GROUP V	
for RAL, NCS door frames						
acc. to the colour groups*						

*environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) - available at an extra charge according to the colour groups (p. 264)

** for leaves equipped with the ECO Schulte GBS 12 lock - extra charge dimension of the mounting hole width increased by additional 25 mm



WIDTH						
single-leaf door				double-leaf door		
type	S _o	S _d	S _s	type	S _o	S _d
"60"	713	693	625	"60"+"60"	1328	1308
"70"	813	793	725	"60"+"70"	1428	1408
"80"	913	893	825	"60"+"80", "70"+"70"	1528	1508
"90"	1013	993	925	"60"+"90", "70"+"80"	1628	1608
"90 plus"	1038	1018	950	"70"+"90", "80"+"80"	1728	1708
				"80"+"90"	1828	1808
				"90"+"90"	1928	1908
HEIGHT				H _o	H _d	H _s
				2093	2083	2040

S_s - door leaf width
S_d - door width on the door frame external side
S_o - installation opening width

H_s - door leaf height
H_d - door height on the external side of the door frame
H_o - installation opening height

door frame ADJUSTABLE SYSTEM DUO



single-leaf
door

symbol	range in mm
DI1	76-96
DI2	96-120
DI3	120-140
DI4	140-186
DI5	186-206
DI6	206-252
DI7	252-272
DI8	272-318
DI9	318-338
DI10	338-388

HIGH TOP	VENEERED		
UNI MAT PLUS	GROUP A	GROUP B	GROUP C, D
LAMISTONE CPL			
SILKSTONE			
laminated CPL 0.2			

EXTRA CHARGES

double-leaf door

door frames lower by 55 mm or 100 mm without an extra charge

door frames higher by 50 mm or 100 mm

door frames higher by 150 mm or 200 mm

"100"

"110"

architraves interconnected at 90° angle

electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12R-C 12V DC (including SPEC-525 strike plate and milling for the electric strike)*

electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12U-C 12V AC/DC (including SPEC-525 strike plate and milling for the electric strike)*

electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12UW-C 12V AC/DC (including SPEC-525 strike plate and milling for the electric strike)*

crown

p. 248

WIDTH

single-leaf door					double-leaf door			
type	S _o	S _d	S _s	S _{op}	type	S _o	S _d	S _{op}
"60"	713	693	625	836	"60"+"60"	1328	1308	1451
"70"	813	793	725	936	"60"+"70"	1428	1408	1551
"80"	913	893	825	1036	"60"+"80","70"+"70"	1528	1508	1651
"90"	1013	993	925	1136	"60"+"90","70"+"80"	1628	1608	1751
"90 plus"	1038	1018	950	1161	"70"+"90","80"+"80"	1728	1708	1851
					"80"+"90"	1828	1808	1951
					"90"+"90"	1928	1908	2051

HEIGHT

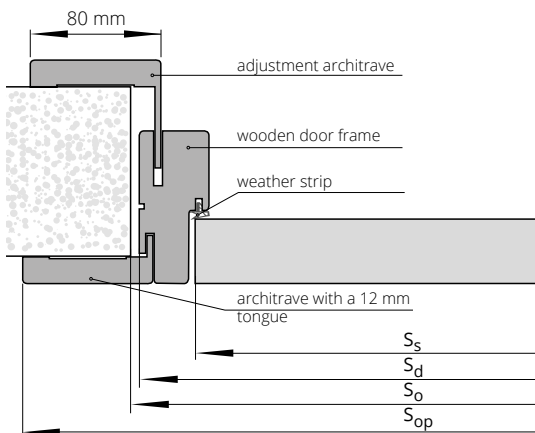
H _o	H _d	H _s	H _{op}
2093	2083	2040	2154

S_s - door leaf width
S_d - door width on the door frame external side
S_o - installation opening width
S_{op} - width on the external side of the architrave

H_s - door leaf height
H_d - door height on the external side of the door frame
H_o - installation opening height
H_{op} - architrave external height

Door frames with ranges wider than the maximum ones provided in the above table are available (upon consultation with the Sales Department).

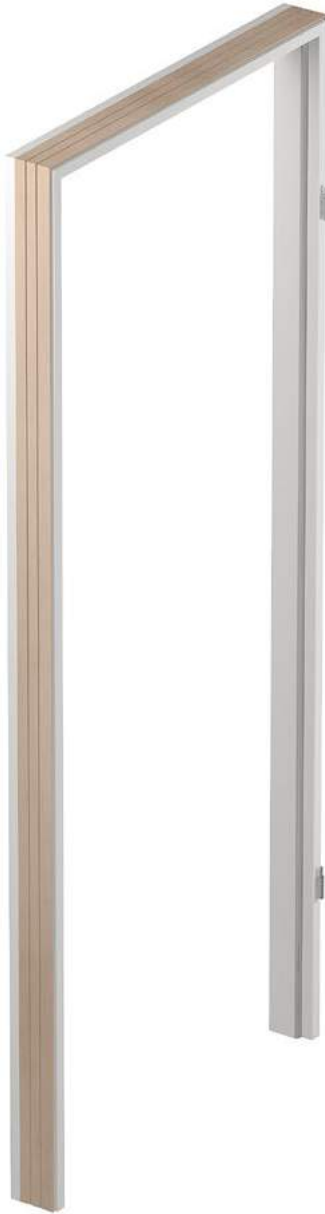
** for leaves equipped with the ECO Schulte GBS 12 lock - extra charge



door frame

FIXED

MDF



ECO TOP

single-leaf door

EXTRA CHARGES

double-leaf door

door frames lower by 50 mm or 100 mm

without an extra charge

"100"

"110"

OPTION

LD6 masking strips (at an extra charge)

WIDTH

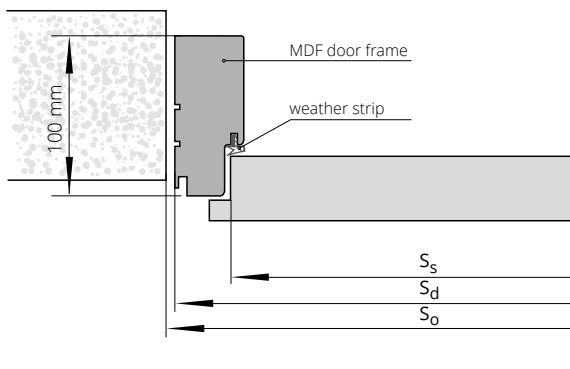
single-leaf door			double-leaf door			
type	S _o	S _d	S _s	type	S _o	S _d
"60"	709	689	618	"60"+"60"	1343	1323
"70"	809	789	718	"60"+"70"	1443	1423
"80"	909	889	818	"60"+"80", "70"+"70"	1543	1523
"90"	1009	989	918	"60"+"90", "70"+"80"	1643	1623
				"70"+"90", "80"+"80"	1743	1723
				"80"+"90"	1843	1823
				"90"+"90"	1943	1923

HEIGHT

	H _o	H _d	H _s
	2074	2064	2020

S_s - door leaf width
S_d - door width on the door frame external side
S_o - installation opening width

H_s - door leaf height
H_d - door height on the external side of the door frame
H_o - installation opening height





door frame ADJUSTABLE DIN SYSTEM



Door frames with ranges wider than the maximum ones provided in the above table are available (upon consultation with the Sales Department).
*environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) – available at an extra charge according to the colour groups (p. 264)
** for leaves equipped with the ECO Schulte GBS 12 lock - extra charge, dimension of the mounting hole width increased by additional 15 mm ***NOTE! The recommended dimension of the installation opening height increased by 16 mm.



single-leaf door

ZP1A	75-85
ZP1B	85-95
ZP2	95-120
ZP3	120-140
ZP4	140-160
ZP5	160-180
ZP6	180-200
ZP7	200-220
ZP8	220-240
ZP9	240-260
ZP10	260-280
ZP11	280-300

ECO TOP	HIGH TOP	laminated CPL 0.2	PAINTED* white
	LAMISTONE CPL		
	SILKSTONE		
	UNI MAT PLUS		

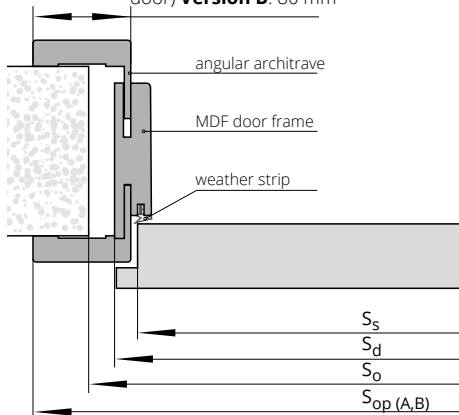
single-leaf door	PAINTED* grey, beige	BLACK black, sage	VENEERED		
			GROUP A	GROUP B	GROUP C, D
ZP1A	75-85				
ZP1B	85-95				
ZP2	95-120				
ZP3	120-140				
ZP4	140-160				
ZP5	160-180				
ZP6	180-200				
ZP7	200-220				
ZP8	220-240				
ZP9	240-260				
ZP10	260-280				
ZP11	280-300				

EXTRA CHARGES

double-leaf door	
door frames lower by 50 mm or 100 mm	without an extra charge
door frames higher by 50 mm or 100 mm	
door frames higher by 150 mm or 200 mm	
"100"	
"110"	
architraves interconnected at an angle of 90° (version C 90° architrave only)	
architraves with a width of 80 mm	without an extra charge
electric NC strike JIS 1710 12-24V AC/DC (including catch plate and milling for the electric strike)**	
electric NC strike BIRA HARTTE XS narrow XS12U 12V AC/DC (including plate and milling for the electric strike)**	
electric NC strike with off-switch XS12UW 12V AC/DC (including strike plate and milling for the electric strike)**	
electric NC strike BIRA HARTTE XS narrow XS12R 12V DC (including plate and milling for the electric strike)**	
reinforcement for an arm/guide rail door closer***	
replacement of the B type hinge with the K type hinge	
three-part T type hinge	
crown	p. 248

new method of connecting architraves – p. 254

Version A: 60 mm (except the painted door) Version B: 80 mm



EXTRA CHARGE TABLE for RAL, NCS door frames acc. to the colour groups*

WIDTH

type	single-leaf door					double-leaf door				
	So	Sd	Ss	SopA	SopB	type	So	Sd	SopA	SopB
"60"	676	646	618	748	788	"60"+"60"	1320	1280	1382	1422
"70"	776	746	718	848	888	"60"+"70"	1420	1380	1482	1522
"80"	876	846	818	948	988	"60"+"80";"70"+"70"	1520	1480	1582	1622
"90"	976	946	918	1048	1088	"60"+"90";"70"+"80"	1620	1580	1682	1722
"90 plus"	986	956	928	1058	1098	"70"+"90";"80"+"80"	1720	1680	1782	1822
"100"	1076	1046	1018	1148	1188	"80"+"90"	1820	1780	1882	1922
						"90"+"90"	1920	1880	1982	2022

HEIGHT

	H _o	H _d	H _s	H _{opA}	H _{opB}
Tolerance of dimensions ±1 mm	2055	2043	2020	2093	2113
So - installation opening width					
Sd - door width on the door frame external side					
Ss - door leaf width					
SopA - door frame width along architraves "60"					
SopB - door frame width along architraves "80"					
Ho - installation opening height					
Hd - door height on the external side of the door frame					
Hs - door leaf height					
HopA - door frame height along architraves "60"					
HopB - door frame height along architraves "80"					

door frame ADJUSTABLE AQUA DIN



single-leaf door	ECO TOP	HIGH TOP	PAINTED white 001	PAINTED grey, beige	BLACK black, sage	VENEERED		
		LAMISTONE CPL				GROUP A	GROUP B	GROUP C, D
		SILKSTONE						
		UNI MAT PLUS						
		laminated CPL 0.2						

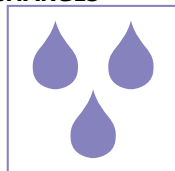
ZP1A	75-85
ZP1B	85-95
ZP2	95-120
ZP3	120-140
ZP4	140-160
ZP5	160-180
ZP6	180-200
ZP7	200-220
ZP8	220-240
ZP9	240-260
ZP10	260-280
ZP11	280-300

EXTRA CHARGE TABLE for RAL, NCS door frames acc. to the colour groups*	GROUP I	GROUP II	GROUP III	GROUP IV	GROUP V
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architraves interconnected at an angle of 45°

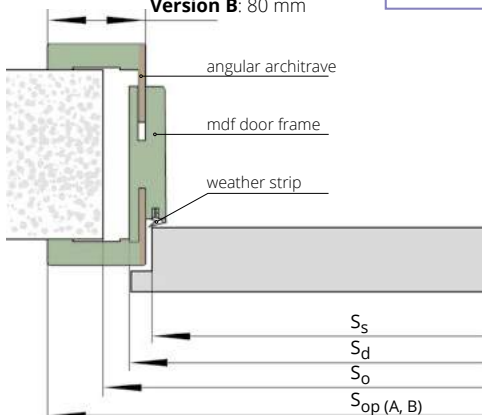
EXTRA CHARGES

architraves interconnected at an angle of 90° (version C 90° architrave only)



door frame made of high quality MDF with high resistance to moisture

Version A: 60 mm
(except the painted door)
Version B: 80 mm



WIDTH										
single-leaf door						double-leaf door				
type	So	Sd	Ss	SopA	SopB	type	So	Sd	SopA	SopB
"60"	676	646	618	748	788	"60"+"60"	1310	1280	1382	1422
"70"	776	746	718	848	888	"60"+"70"	1410	1380	1482	1522
"80"	876	846	818	948	988	"60"+"80","70"+"70"	1510	1480	1582	1622
"90"	976	946	918	1048	1088	"60"+"90","70"+"80"	1610	1580	1682	1722
"90 plus"	986	956	928	1058	1098	"70"+"90","80"+"80"	1710	1680	1782	1822
"100"	1076	1046	1018	1148	1188	"80"+"90"	1810	1780	1882	1922
						"90"+"90"	1910	1880	1982	2022

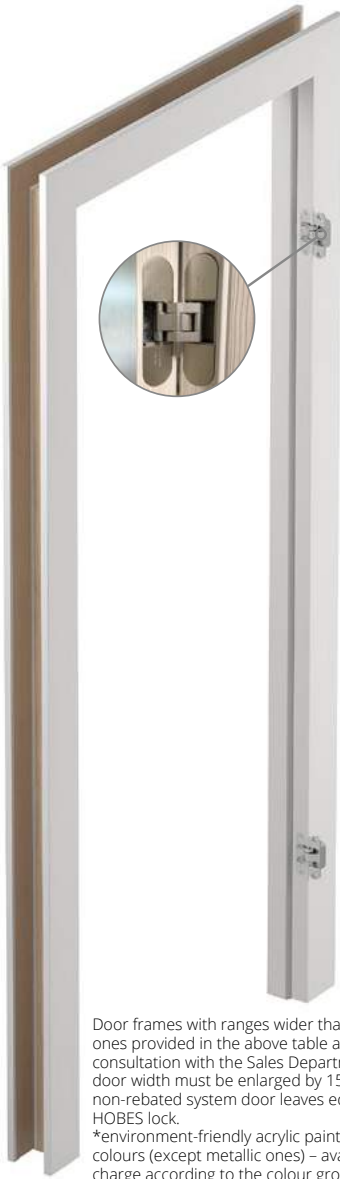
HEIGHT					
	Ho	Hd	Hs	HopA	HopB
Tolerance of dimensions ±1 mm	2053	2043	2020	2093	2113

So - installation opening width
Sd - door width on the door frame external side
Ss - door leaf width
SopA - door frame width along architraves "60"
SopB - door frame width along architraves "80"

Ho - installation opening height
Hd - door height on the external side of the door frame
Hs - door leaf height
HopA - door frame height along architraves "60"
HopB - door frame height along architraves "80"



door frame ADJUSTABLE SYSTEM DIN DUO



single-leaf door	ECO TOP	HIGH TOP	laminated CPL 0.2	PAINTED* white
		LAMISTONE CPL		
		SILKSTONE		
		UNI MAT PLUS		

ZD1	75-80
ZD2	80-85
ZD3	85-95
ZD4	95-120
ZD5	120-140
ZD6	140-160
ZD7	160-180
ZD8	180-200
ZD9	200-220
ZD10	220-240
ZD11	240-260
ZD12	260-280
ZD13	280-305

single-leaf door	PAINTED* grey, beige	BLACK black, sage	VENEERED		
			GROUP A	GROUP B	GROUP C, D

ZD1	75-80
ZD2	80-85
ZD3	85-95
ZD4	95-120
ZD5	120-140
ZD6	140-160
ZD7	160-180
ZD8	180-200
ZD9	200-220
ZD10	220-240
ZD11	240-260
ZD12	260-280
ZD13	280-305

EXTRA CHARGES

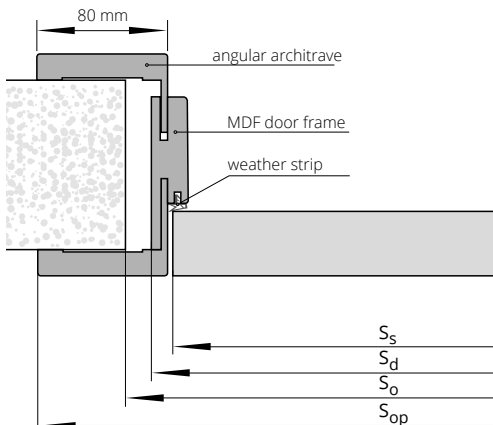
Door frames with ranges wider than the maximum ones provided in the above table are available (upon consultation with the Sales Department). The installation door width must be enlarged by 15 mm for the DUO non-rebated system door leaves equipped with the HOBES lock.

*environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) - available at an extra charge according to the colour groups (p. 264)
** for leaves equipped

with the ECO Schulte GBS 12 lock - extra charge, the installation opening width additionally increased by 25 mm

***NOTES! The recommended dimension of the installation opening height increased by 16 mm.

new method of connecting architraves - p. 254



double-leaf door					
door frames lower by 55 mm or 100 mm					without an extra charge
door frames higher by 50 mm or 100 mm					
door frames higher by 150 mm or 200 mm					
"100"					
"110"					
reinforcement for an arm/guide rail door closer***					
architraves interconnected at an angle of 90° - version B 90°, version C 90°					
electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12R-C 12V DC (including SPEC-525 strike plate and milling for the electric strike)**					
electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12U-C 12V AC/DC (including SPEC-525 strike plate and milling for the electric strike)**					
electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12UW-C 12V AC/DC (including SPEC-525 strike plate and milling for the electric strike)**					
crown					p. 248

EXTRA CHARGE TABLE for RAL, NCS door frames acc. to the colour groups*	GROUP I	GROUP II	GROUP III	GROUP IV	GROUP V
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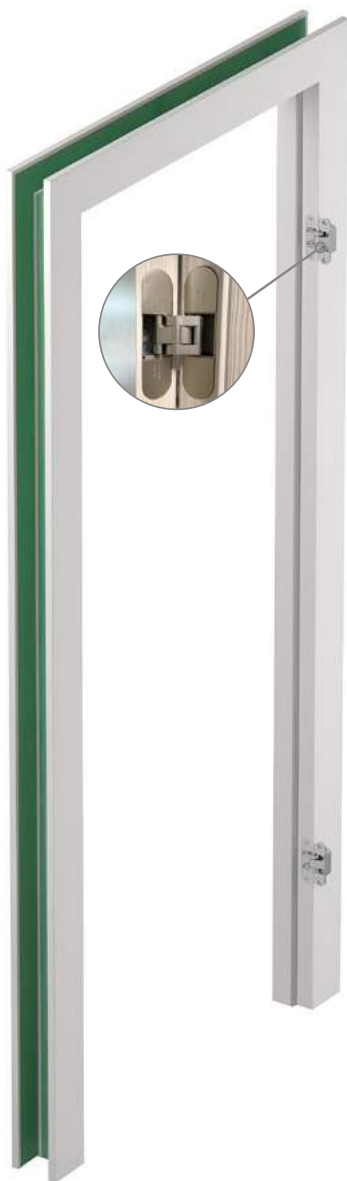
WIDTH		double-leaf door						
type	So	Sd	Ss	Sop	type	So	Sd	Sop
"60"	690	652	625	794	"60"+"60"	1304	1266	1408
"70"	790	752	725	894	"60"+"70"	1404	1366	1508
"80"	890	852	825	994	"60"+"80","70"+"70"	1504	1466	1608
"90"	990	952	925	1094	"60"+"90","70"+"80"	1604	1566	1708
"90 plus"	1015	977	950	1119	"70"+"90","80"+"80"	1704	1666	1808
"100"	1090	1052	1025	1194	"80"+"90"	1804	1766	1908
					"90"+"90"	1904	1866	2008

HEIGHT		Ho	Hd	Hs	Hop
Tolerance of dimensions ±1 mm		2075	2063	2040	2133

Ss - door leaf width
Sd - door width on the door frame external side
So - installation opening width
Sop - width on the external side of the architrave

Hs - door leaf height
Hd - door height on the external side of the door frame
Ho - installation opening height
Hop - architrave external height

door frame **ADJUSTABLE AQUA DIN DUO**



single-leaf door

ECO TOP	UNI MAT PLUS	HIGH TOP
		LAMISTONE CPL
		SILKSTONE
		laminated CPL 0.2

ZD1	75-80
ZD2	80-85
ZD3	85-95
ZD4	95-120
ZD5	120-140
ZD6	140-160
ZD7	160-180
ZD8	180-200
ZD9	200-220
ZD10	220-240
ZD11	240-260
ZD12	260-280
ZD13	280-305

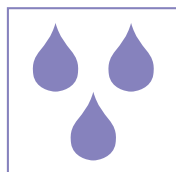
single-leaf door	PAINTED white	PAINTED grey, beige	VENEERED			BLACK black, sage
			GROUP A	GROUP B	GROUP C, D	

ZD1	75-80
ZD2	80-85
ZD3	85-95
ZD4	95-120
ZD5	120-140
ZD6	140-160
ZD7	160-180
ZD8	180-200
ZD9	200-220
ZD10	220-240
ZD11	240-260
ZD12	260-280
ZD13	280-305

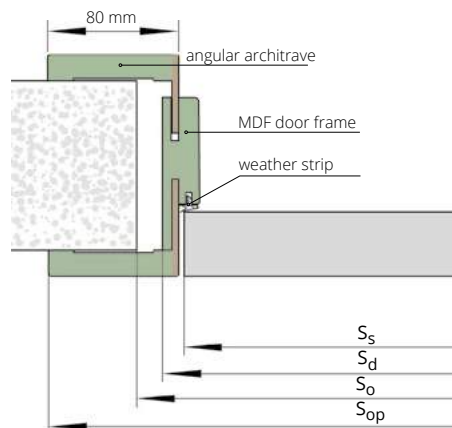
EXTRA CHARGES for RAL, NCS door frames acc. to the colour groups*	GROUP I	GROUP II	GROUP III	GROUP IV	GROUP V
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architraves interconnected at an angle of 45°

EXTRA CHARGES	architraves interconnected at an angle of 90° (version C 90° architrave only)
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door frame made of high quality MDF with high resistance to moisture.



WIDTH

type	single-leaf door				double-leaf door			
	So	Sd	Ss	Sop	type	So	Sd	Sop
"60"	690	652	625	794	"60"+"60"	1304	1266	1408
"70"	790	752	725	894	"60"+"70"	1404	1366	1508
"80"	890	852	825	994	"60"+"70", "70"+"70"	1504	1466	1608
"90"	990	952	925	1094	"60"+"90", "70"+"80"	1604	1566	1708
"90 plus"	1015	977	950	1119	"70"+"90", "80"+"80"	1704	1666	1808
"100"	1090	1052	1025	1194	"80"+"90"	1804	1766	1908
					"90"+"90"	1904	1866	2008

HEIGHT

Tolerance of dimensions ±1 mm	Ho	Hd	Hs	Hop
	2075	2063	2040	2133

Ss - door leaf width
 Sd - door width on the door frame external side
 So - installation opening width
 Sop - width on the external side of the architrave

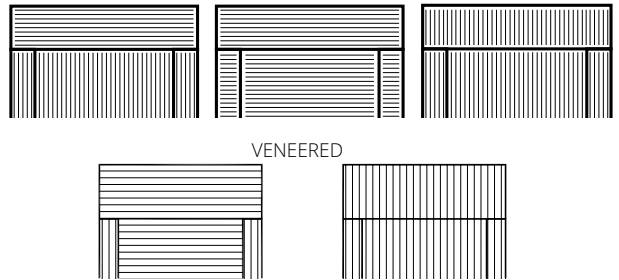
Hs - door leaf height
 Hd - door height on the external side of the door frame
 Ho - installation opening height
 Hop - architrave external height



door frame ADJUSTABLE VERTIGO

ARCHITRAVE AND CROSS RAIL CONNECTION SYSTEM

Door frame vertical wood grain (LAMISTONE: 241, 242; SILKSTONE: 293, 294, 295)
 Door frame horizontal wood grain (SILKSTONE: 254, 255, 299)
 Horizontal wood grain (SILKSTONE: 254, 255, 299)
 Vertical wood grain (LAMISTONE: 241, 242; SILKSTONE: 293, 294, 295)



VENEERED



single-leaf door	complete set (panel/adjustment architrave) in mm	UNI MAT PLUS	PAINTED*		BLACK	VENEERED		
		LAMISTONE CPL	white	grey, beige	black, sage	GROUP A	GROUP B	GROUP C, D
symbol	range in mm	SILKSTONE						
ZV1	75-80	75/12						
ZV2	80-85	80/12						
ZV3	85-95	85/16						
ZV4	95-120	95/32						
ZV5	120-140	120/32						
ZV6	140-160	140/32						
ZV7	160-180	160/32						
ZV8	180-200	180/32						
ZV9	200-220	200/32						
ZV10	220-240	220/32						
ZV11	240-260	240/32						
ZV12	260-280	260/32						
ZV13	280-305	280/32						

EXTRA CHARGES

door frames lower by 55 mm or 100 mm without an extra charge

door frames higher by 50 mm or 100 mm

reinforcement for the surface-mounted door closer**

electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12R-C 12V DC (including SPEC-525 strike plate and milling for the electric strike)***

electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12U-C 12V AC/DC (including SPEC-525 strike plate and milling for the electric strike)***

electric strike BIRA HARTTE XS narrow with tongue guide (NO type) XS12UW-C 12V AC/DC (including SPEC-525 strike plate and milling for the electric strike)***

Door frames with ranges wider than the maximum ones provided in the above table are available (upon consultation with the Sales Department).

*environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) – available at an extra charge according to the colour groups (p. 264)

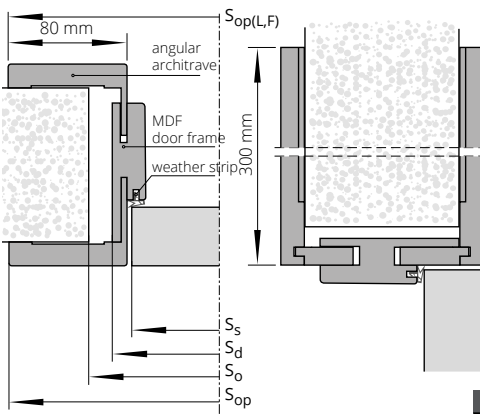
**NOTES! The recommended dimension of the installation opening height increased by 16 mm.

*** for door leaves equipped with the ECO Schulte GBS 12 lock - extra charge of , the installation opening width increased by 15 mm

COMPLETE SET PRICE = VERTIGO DOOR FRAME PRICE + VERTIGO PANEL PRICE

VERTIGO PANEL 1 set (2 pcs)

VERTIGO upper panels have R3 radii on the vertical edges in versions LAMISTONE SILKSTONE, UNI MAT PLUS and painted. Except the veneered version.



WIDTH							
single-leaf door							
type	S _o	S _d	S _s	S _{op}	S _{opL}	S _{opF}	
"60"	690	652	625	793	793	795	
"70"	790	752	725	893	893	895	
"80"	890	852	825	993	993	995	
"90"	990	952	925	1093	1093	1095	
"90 plus"	1015	977	950	1117	1118	1120	

HEIGHT			
	H _o	H _d	H _{op}
	2082	2070	2353

height of panels	UNI MAT PLUS	PAINTED*		BLACK	VENEERED			
	LAMISTONE CPL	white	grey, beige	black, sage	GROUP A	GROUP A herringbone	GROUP B	GROUP C, D
100 mm								
200 mm								
300 mm								
400 mm								
500 mm								
600 mm								
700 mm								
800 mm								
900 mm								
1000 mm								

S_s - door leaf width
 S_d - door width on the door frame external side
 S_o - installation opening width
 S_{op} - door frame dimension on the hinge side
 S_{opL} - door frame dimension on the adjustment side for laminated and painted door frame
 S_{opF} - door frame dimension on the adjustment side for veneered door frame

H_s - door leaf height
 H_d - door height on the external side of the door frame
 H_o - installation opening height
 H_{op} - architrave external height

door frame ADJUSTABLE SYSTEM REVES



for the single-leaf door	laminated CPL 0.2	PAINTED* white	PAINTED* grey, beige	BLACK black, sage	VENEERED		
	UNI MAT PLUS				GROUP A	GROUP B	GROUP C, D
	HIGH TOP						
	LAMISTONE CPL						
	SILKSTONE						

symbol	range in mm
ZW1	75-95
ZW2	95-115
ZW3	115-135
ZW4	135-155
ZW5	155-175
ZW6	175-195
ZW7	195-215
ZW8	215-235
ZW9	235-255
ZW10	255-275
ZW11	275-295

EXTRA CHARGES

door frame higher by 100 mm

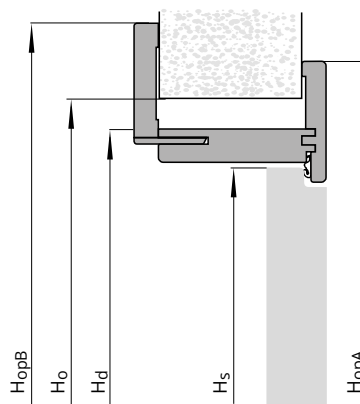
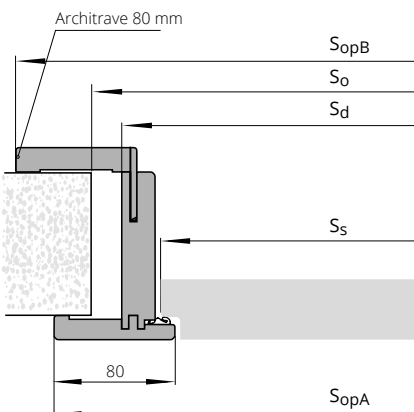
change of colour of the chrome matt hinge to black (RAL 9005) or white (RAL 9016)

architraves interconnected at an angle of 45° angle (no possibility of interconnecting at 90°)

* RAL, NCS palette colours (except metallic ones) - extra charge acc. to the colour table

type	So	Sd	Ss	SopA	SopB	SopBF	type	Hd	HopA	HopB	Hs	Ho
"60"	705	676	625	768	818	820	standard	2088	2133	2158	2053	2105
"70"	805	776	725	868	918	920	+50	2138	2183	2208	2103	2155
"80"	905	876	825	968	1018	1020	+100	2188	2233	2258	2153	2205
"90"	1005	976	925	1068	1118	1120	+200	2288	2333	2358	2253	2305
"90 plus"	1030	1001	950	1093	1143	1145	-55	2033	2078	2103	1998	2050
"100"	1105	1076	1025	1168	1218	1220	-100	1988	2033	2058	1953	2005

Tolerance of dimensions ±1 mm



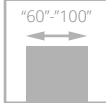
Ss - door leaf width
Sd - door width on the door frame external side
So - installation opening width
SopA - width on the architrave external side from the hinge side
SopB - width on the architrave external side from the adjustment side
SopBF - dimension on the external side of the door frame for veneered door

Hs - door leaf height
Hd - door height on the external side of the door frame
Ho - installation opening height
HopA - height on the architrave external side from the hinge side
HopB - height on the architrave external side from the adjustment side

SYSTEM
of reversed
rebate

SYSTEM REVES

reverse rebate



leaf in the REVES system (left side), right-hand - inward-opening;
leaf in the DUO system (right side), left-hand - outward-opening

The door is built of a **wooden rail and stile set** topped with two HDF boards. The standard in-fill is a honeycomb-like layer. Perforated chipboard in-fill and solid chipboard in-fill available at an extra charge. The REVES door leaf is available in glazed models: IMPULS W13, IMPULS W14, ESTADO A01, ESTADO A02, ESTADO A03, ESPINA W01, CREATO A01, CREATO A02, CREATO A03, ESTADO LUX A01, ESTADO LUX A02, ESTADO LUX A03. REVES leaf available as flush models (without glazings): CAMBIO, SIMPLE, SUBLIME, TIARA, VERTIGO, VILANO, MODERN, MODENA, LOFTY, INTER-AMBER, HAPTIC, IMPULS, SONATA, INVERNO, NOSTRE, DECO, ESPINA, DECO LUX, SONATA LUX, ESTADO, CREATO, ESTADO LUX, PALAZZO.

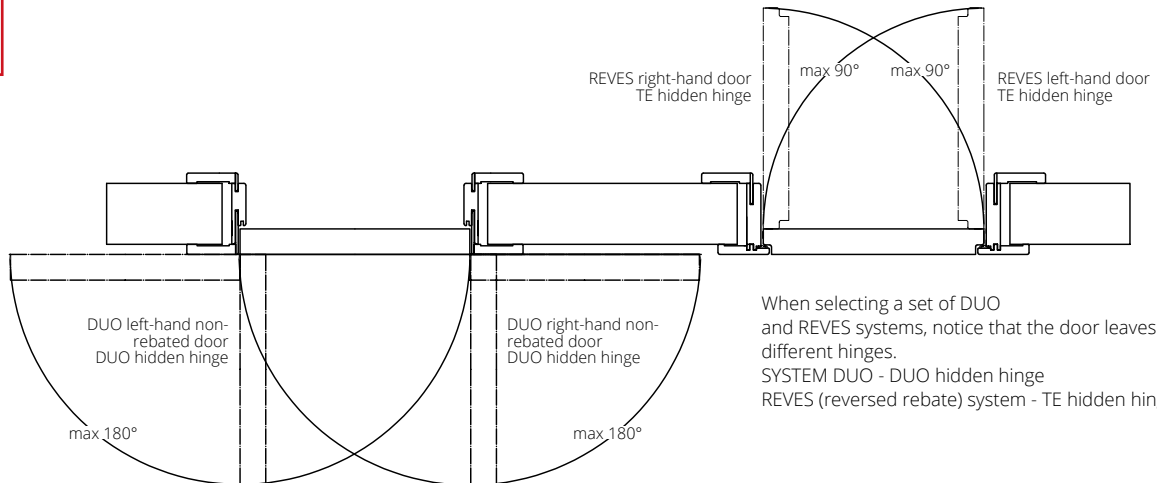
The combination of the DUO and REVES systems gives new interior arrangement opportunities. It enables the door opening in various directions to have an identical appearance when seen from the corridor side. The plane surface in both systems is flush with the door frame surface, forming a single plane with it. The hinges remain hidden and hence no difference in their design will be noticeable from the corridor side.



- hidden DUO hinge, silver colour - DUO system



- hidden TE hinge, silver colour - REVES (reverse rebate) system



When selecting a set of DUO and REVES systems, notice that the door leaves have different hinges.

SYSTEM DUO - DUO hidden hinge
REVES (reversed rebate) system - TE hidden hinge

EQUIPMENT

STANDARD

magnetic mortise lock, for key (spacing: 90 mm), for cylinder (spacing: 85 mm) or bathroom privacy lock (spacing: 90 mm)
hinges: hidden TE, chrome satin colour ("60" - "80" - 2 pcs; "90" - "100" - 3 pcs)
architraves interconnected at an angle of 45° (no possibility of connecting at an angle of 90°)
not available with an electric strike

ABS edging is not available

ADDITIONAL (available at an extra charge)

perforated chipboard in-fill

solid chipboard in-fill (third hinge recommended)

drop seal

third hinge in the door leaf (price per 1 piece):

concealed TE type for a width of "60"-"80"

change of standard lock

chrome satin colour

to white or black colour (price per 1 piece)

change of standard lock, silver colour, to

black or golden polished colour

door higher by 50 mm or 100 mm (third hinge

required at an extra charge)

door higher by 200 mm (third hinge required at an

extra charge) Cambio 00, Lofty, Inter Amber A00,

Haptic 00, Impuls W01, Deco 00, Deco Lux 00

door lower by 55 mm or 100 mm

without
an extra
charge

maximum height of door with the REVES frame - 2288 mm



door leaf in the REVES system (on the left), right-hand - inward-opening; door leaf in the DUO system (on the right), left-hand - outward-opening

ADJUSTMENT SYSTEM with MDF for FIXED METAL DOOR FRAME



Dedicated to:
Non-rebated metal door frame FD93
Fixed metal door frame FD12
Fixed metal door frame for doors RC3, RC3 INVEST
Fixed metal door frame for door CERBER PLUS, CERBER PLUS, RC2

COLOURS

Fixed metal door frame FD12, FD93, RC3,
Cerber Plus: powder-painted in RAL colours
Adjustment with MDF: ECO TOP, HIGH TOP, LAMISTONE,
SILKSTONE, FORNIROWANE GRUPA A, B, C.



single-leaf door	symbol	range in mm (*)	ECO TOP	laminated CPL 0.2	VENEERED		
				HIGH TOP	GROUP A	GROUP B	GROUP C, D
				LAMISTONE CPL			
				SILKSTONE			
MA1	MB1	175-195					
MA2	MB2	195-215					
MA3	MB3	215-235					
MA4	MB4	235-255					
MA5	MB5	255-275					
MA6	MB6	275-295					
MA7	MB7	295-315					
MA8	MB8	315-335					
MA9	MB9	335-355					
MA10	MB10	355-375					
MA11	MB11	375-395					
MA12	MB12	395-415					

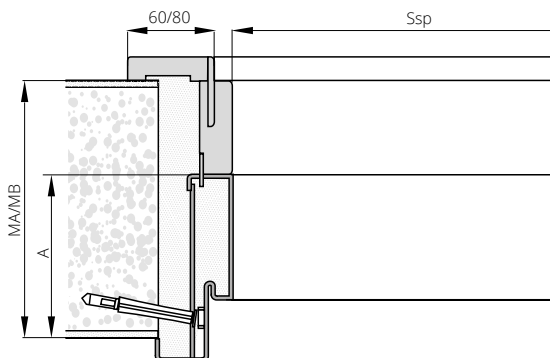
EXTRA CHARGES

double-leaf door

(*) the range of adjustment includes the FD12, CERBER PLUS, RC3, FD93 door frame thickness
MA: adjustment systems for FD12, CERBER PLUS, RC3
MB: adjustment systems for FD93

WIDTH (Ssp)

module	single-leaf door							
	FD12		CERBER PLUS CERBER PLUS RC2		RC3 RC3 INVEST		FD93	
	SopA	SopB	SopA	SopB	SopA	SopB	SopA	SopB
"60"	746	786	-	-	-	-	749	786
"70"	846	886	-	-	-	-	849	889
"80"	946	986	946	986	946	986	949	989
"90"	1046	1086	1046	1086	1046	1086	1049	1089
"90" Plus	1056	1096	1056	1096	1066	1106	1074	1114
"100"	1146	1186	1146	1186	1146	1186	1149	1189
"110"	1246	1286	-	-	-	-	1249	1289
A -	109		109		112		109	
HopA	2092		RC3 Invest - 2092		RC4, RC4 EI30 - 2087		HopA - 2112	
HopB	2112		RC3 Invest - 2112		RC4, RC4 EI30 - 2107		HopB - 2132	



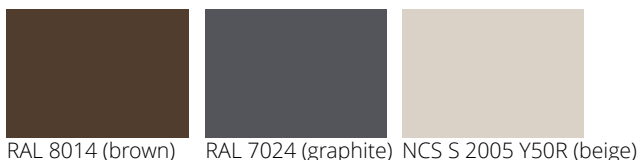
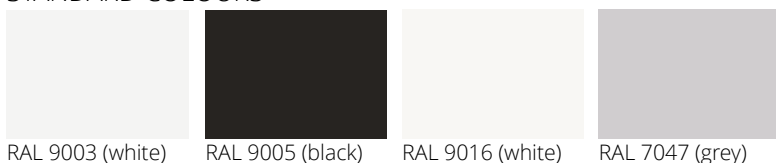
SopA - width on the external side of architraves 60 mm
SopB - width on the external side of architraves 80 mm
HopA - height on the external side of architraves 60 mm
HopB - height on the external side of architraves 80 mm

COLOURS

METAL DOOR FRAMES

Standard colours available in the standard SEMI-MATT surface finish

STANDARD COLOURS



051 RAL 9003 structure **052 RAL 9005** structure **050 Anthracite** structure **053 Copper** structure



RAL PALETTE FOR DIVISION OF COLOURS (metal and aluminium door frames only)

GROUP I																																				
1000	1001	1002	1011	1013	1015	1019	1020	3009	4001	5000	5001	5004	5005	5007	5008	5009	5010	5011	5013	5014	5017	5019	5020	5021	5022	5023	5024	6000	6003							
6004	6005	6006	6007	6008	6011	6012	6013	6014	6015	6019	6020	6026	6027	6033	6034	7000	7001	7002	7003	7004	7005	7006	7008	7009	7010	7011	7012	7013	7015							
7016	7021	7022	7023	7026	7030	7031	7032	7033	7034	7035	7036	7037	7038	7039	7040	7042	7043	7044	7045	7046	8000	8001	8002	8003	8004	8007	8011	8012	8015							
8017	8019	8022	8023	8024	8025	8028	9001	9002	9010	1024HR	6021HR	9004HR	9005HR																							
GROUP II																																				
1014	3000	3001	3002	3004	3007	3011	3013	3016	4002	4008	5002	5003	5012	5015	5018	6017	6022	6025	6029	9018	3031HR	4005HR	4006HR	6002HR	8008HR											
GROUP III																																				
3003	3005	3020	3022	6010	6018	6024	1024HR	4004HR	4010HR	6032HR																										
GROUP IV																																				
3012	3014	6001	6028	3027HR	4003HR	4007HR	6037HR																													
GROUP V																																				
1003	1004	1005	1006	1016	1017	1018	1021	1023	1027	1032	1033	1034	1037	2000	2001	2002	2004	2009	2010	2011	2012	3018	1027HR	1028HR	2003HR	2008HR	3028HR	9006								

The RAL colours of metal door frames and aluminium door frames differs from the RAL colours of painted door leaves due to the different material application technology.

COLOURS OF METAL DOOR FRAMES VS CPL LAMINATES

colours of metal door frames	COLOURS of CPL laminate (all b.m. laminate colours similar to RAL colours)			COLOURS OF CPL EGGER (all b.m. laminate colours similar to RAL colours)			COLOURS OF CPL KRONOSPAN (all b.m. laminate colours similar to RAL colours)		
	CPL 0.2 mm	CPL 0.5 mm	CPL 0.7 mm	CPL 0.2 mm	CPL 0.6 mm	CPL 0.8 mm	CPL 0.2 mm	CPL 0.5 mm	CPL 0.6 mm
RAL 9016	820	920	720	W980 SM	W980 SM	W980 SM	8100 BS	8100 BS	8100 BS
RAL 1001	no match	no match	no match	no match	no match	no match	no match	no match	no match
RAL 7047	-	-	-	U708 SM	U708 SM	U708SM	112 BS	112 BS	112 BS
RAL 7024	821	921	721	U963 ST 9	U963 ST9	U963 ST9	164 BS	164 BS	164 BS
RAL 8014	-	-	-	U808 ST9	U808 ST9	U808 ST9	182 BS	182 BS	182 BS
RAL 7035	222	259	772	-	-	-	-	-	-

colour matching suggestion to be individually verified

EGGER structure: SM - smooth surface, ST 9 - orange peel structure
EGGER formats available: 960x2060 mm; 1160x2060 mm and heights 2160 mm; 2260 mm

KRONOSPAN structure: BS - orange peel structure, SM - smooth structure
KRONOSPAN available formats: 1320x2060 mm; 1100x2060 mm and other heights 2160 mm; 2260 mm



ITB- KOT-2021/2046 issue 1



door frame **FIXED** **METAL** **DUO SYSTEM**



NOTE! THE PRICE OF THE DUO METAL DOOR FRAME INCLUDES DUO HIDDEN HINGES

DEDICATED TO

Interior door

Metal non-rebated door frame compatible with DUO hidden hinges, made of 1.5 mm thick metal sheet.

COLOURS

Powder-coated door frame.
Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)
Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)



symbol	range in mm	single-leaf door			double-leaf door		
		"60"÷"80"	"90"	"100"÷"110"	"60"÷"60", "60"÷"70", "60"÷"80" "70"÷"70", "70"÷"80"	"90"÷"60"	"160"÷"200"
FD93	101						
number of hidden hinges		2 pcs	3 pcs	3 pcs	4 pcs	6 pcs	6 pcs

ACCESSORIES AND EQUIPMENT (available at extra charge)

door frame shorter by 55 mm or 100 mm

door frame higher by 50 mm

door frame higher by 100 mm

door frame higher by 150 mm

door frame higher by 200 mm

reinforcement for the top-mounted door closer

reinforcement for hidden door closer

GEZE BOXER 2-4; ITS 96 2-4

DUO hinge for metal door frame (hidden) - 1 piece

electric strike BIRA with tongue guide (NO type) F12R-C (12V DC) (including SPEC-727 strike plate and milling for the electric strike)*

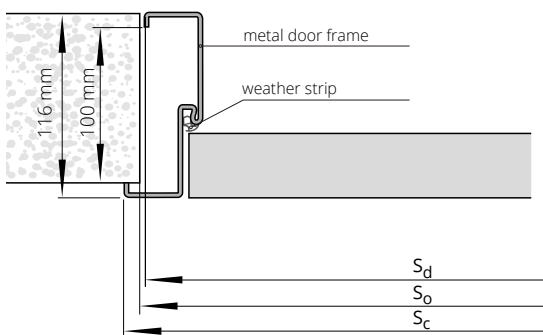
electric strike BIRA with tongue guide (NC type) F12U-C (12V AC/DC) (including SPEC-727 strike plate and milling for the electric strike)*

MC 250 mortise reed switch

MC200-S19 mounting flange for reed switch (white colour) (for metal door frames)

*for door leaves equipped with the ECO Schulte GBS 12 lock, extra charge

The installation opening must be enlarged by additional 5 mm for door frames equipped with an electric strike.



S_d - door width on the door frame external side
S_o - installation opening width
S_c - total door frame width

H_d - door height on the external side of the door frame
H_o - installation opening height
H_c - door frame total height

WIDTH

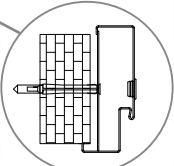
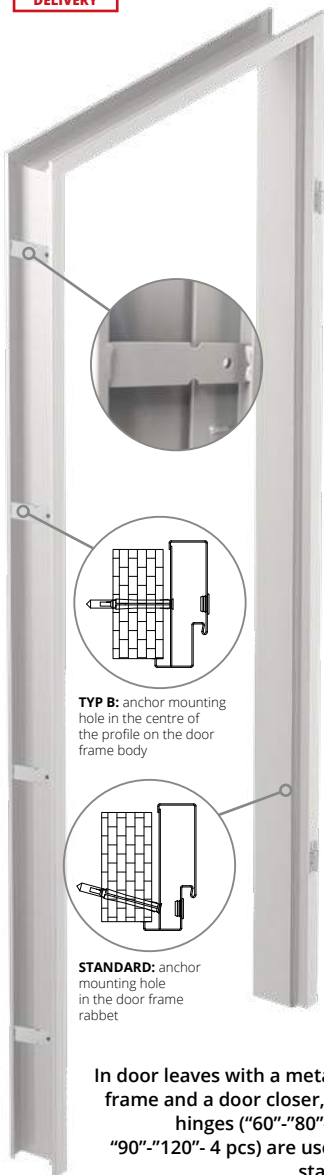
type	single-leaf door			double-leaf door			
	S _o	S _d	S _c	type	S _o	S _d	S _c
"60"	685	675	701	"120"	1300	1290	1316
"70"	785	775	801	"130"	1400	1390	1416
"80"	885	875	901	"140"	1500	1490	1516
"90"	985	975	1001	"150"	1600	1590	1616
"90"plus	1010	1000	1026	"160"	1700	1690	1716
"100"	1085	1075	1101	"170"	1800	1790	1816
"110"	1185	1175	1201	"180"	1900	1890	1916
				"190"	2000	1990	2016
				"200"	2100	2090	2116

HEIGHT

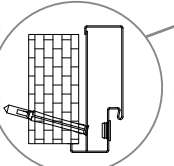
	H _o	H _c	H _d
	2080	2088	2075



door frame **FIXED** **METAL** **SYSTEM**



TYP B: anchor mounting hole in the centre of the profile on the door frame body



STANDARD: anchor mounting hole in the door frame rabbet

In door leaves with a metal door frame and a door closer, type T hinges ("60"- "80"- 3 pcs, "90"- "120"- 4 pcs) are used as a standard.

An in-wall cavity must be made for the cover boxes.

S_d - door width on the door frame external side
S_o - installation opening width
S_c - door frame total width

H_d - door height on the external side of the door frame
H_o - installation opening height
H_c - total door frame width

DEDICATED TO

Interior door

Metal door frames with varying sheet thickness depending on the type:
FD14 - thickness 1.5 mm
FD12 - thickness 1.5 mm

COLOURS

Powder-coated door frame.
Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)
Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)



	single-leaf door		double-leaf door	
door frame type	"60"±"90"	"100" ÷ "120"	"120"±"150"	"160"±"200"
FD14 small				
FD12 large*				

ACCESSORIES AND EQUIPMENT

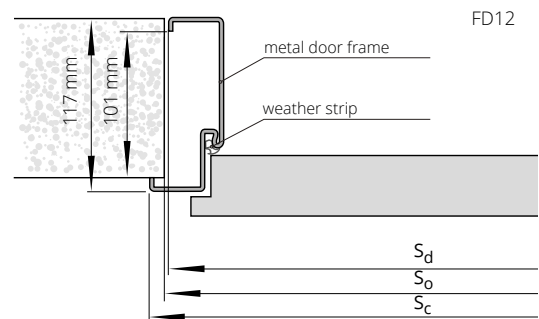
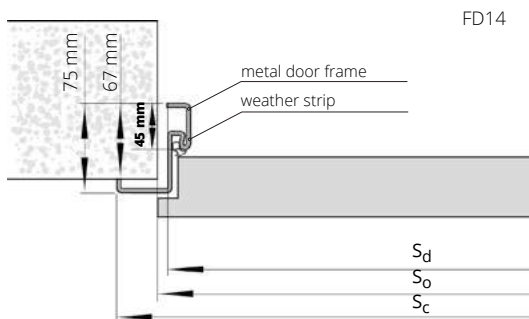
(available at extra charge)

* mounting holes on the door frame surface are available

door frame shorter by 50 mm or 100 mm
door frame higher by 50 mm
door frame higher by 100 mm
door frame higher by 150 mm
door frame higher by 200 mm
stainless steel threshold for the FD12 door frame - 1 piece
reinforcement for the top-mounted door closer
additional type M hinge for the metal door frame (width "60"+"80") - 1 piece
change of hinge to type T for the metal door frame (width "60"+"80") - 1 piece
electric NC strike BIRA F12U (12V AC/DC) including catch plate and adaptation for the electric strike
electric NO strike BIRA F12R (12V DC) including catch plate and adaptation for the electric strike
MC 250 mortise reed switch
MC200-S19 mounting flange for reed switch (white colour) (for metal door frames)

WIDTH FD14				WIDTH FD12				
single-leaf door		double-leaf door		single-leaf door		double-leaf door		
type	S _o	S _d	S _c	type	S _o	S _d	S _c	
"60"	673	633	697	"120"	1307	1267	1331	
"70"	773	733	797	"130"	1407	1367	1431	
"80"	873	833	897	"140"	1507	1467	1531	
"90"	973	933	997	"150"	1607	1567	1631	
"90"plus	983	943	1007	"160"	1707	1667	1731	
"100"	1073	1033	1097	"170"	1807	1767	1831	
"110"	1173	1133	1197	"180"	1907	1867	1931	
"120"	1273	1233	1297	"190"	2007	1967	2031	
				"200"	2107	2067	2131	
HEIGHT				HEIGHT				
		H _d	H _o	H _c		H _d	H _o	H _c
		2036	2046	2068		2055	2060	2068

WIDTH FD14				WIDTH FD12				
single-leaf door		double-leaf door		single-leaf door		double-leaf door		
type	S _o	S _d	S _c	type	S _o	S _d	S _c	
"60"	681	671	697	"120"	1315	1305	1331	
"70"	781	771	797	"130"	1415	1405	1431	
"80"	881	871	897	"140"	1515	1505	1531	
"90"	981	971	997	"150"	1615	1605	1631	
"90"plus	991	981	1007	"160"	1715	1705	1731	
"100"	1081	1071	1097	"170"	1815	1805	1831	
"110"	1181	1171	1197	"180"	1915	1905	1931	
"120"	1281	1271	1297	"190"	2015	2005	2031	
				"200"	2115	2105	2131	
HEIGHT				HEIGHT				
		H _d	H _o	H _c		H _d	H _o	H _c
		2036	2046	2068		2055	2060	2068



The installation opening must be enlarged by additional 5 mm for door frames equipped with an electric strike.

door frame ADJUSTABLE METAL DUO SYSTEM



NOTE! THE PRICE OF THE DUO METAL DOOR FRAME INCLUDES DUO HIDDEN HINGES

DEDICATED TO

Interior door

Non-rebated metal door frame compatible with the DUO concealed hinges. Door frame made of 1.5 mm thick metal sheet.

COLOURS

Powder-coated door frame.

Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)

Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)



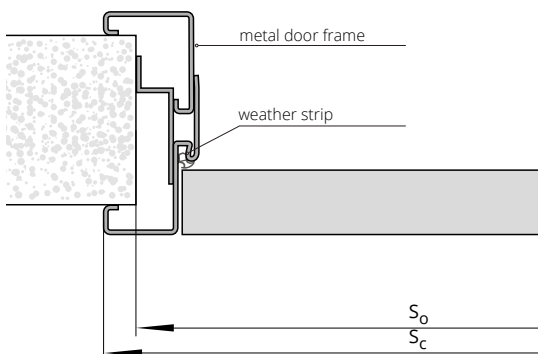
symbol	range in mm	single-leaf door			double-leaf door		
		"60" - "80"	"90"	"100" - "110"	"60"+"60", "60"+"70", "60"+"80", "70"+"70", "70"+"80"	"90"+"60"	"160"- "200"
F71	95-125						
F72	125-155						
F73	155-185						
F74	185-215						
F75	215-245						
F76	245-275						
F77	275-305						
F78	305-335						
F79	335-365						
number of hidden hinges		2 pcs	3 pcs	3 pcs	4 pcs	6 pcs	6 pcs

NOTE! The price includes DUO hinges for the metal door frame.

ACCESSORIES AND EQUIPMENT
(available at extra charge)

- door frame shorter by 55 mm or 100 mm
- door frame higher by 50 mm
- door frame higher by 100 mm
- door frame higher by 150 mm
- door frame higher by 200 mm
- reinforcement for the top-mounted door closer
- DUO hinge for metal door frame (hidden) - 1 piece
- electric strike BIRA with tongue guide (NO type) F12R-C (12V DC) (including SPEC-727 strike plate and milling for the electric strike)*
- electric strike BIRA with tongue guide (NC type) F12U-C (12V AC/DC) (including SPEC-727 strike plate and milling for the electric strike)*
- additional ZOX adjustment system for the non-rebated adjustable door frame (wall width range increase ` 650 mm)
- MC 250 mortise reed switch
- MC200-S19 mounting flange for reed switch (white colour) (for metal door frames)

*for door leaves equipped with the ECO Schulte GBS 12 lock, extra charge



	single-leaf door			double-leaf door		
	type	Sc	So	type	Sc	So
WIDTH	"60"	721	693	"120"	1336	1308
	"70"	821	793	"130"	1436	1408
	"80"	921	893	"140"	1536	1508
	"90"	1021	993	"150"	1636	1608
	"90"plus	1046	1018	"160"	1736	1708
	"100"	1121	1093	"170"	1836	1808
	"110"	1221	1193	"180"	1936	1908
				"190"	2036	2008
				"200"	2136	2108
	HEIGHT				Ho	Hc
				2085	2098	

So - installation opening width
Sc - door frame total width

Ho - installation opening height
Hc - door frame total height

door frame ADJUSTABLE METAL SYSTEM



In interior door leaves with a metal door frame and door closer, type T hinges ("60"- "80"- 3 pcs, "90"- "120"- 4 pcs) are used as a standard.

DEDICATED TO

Interior door

Door frame made of 1.5 mm thick metal sheet.

COLOURS

Powder-coated door frame.

Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)

Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)



symbol	range mm	single-leaf door		double-leaf door	
		"60"±"90"	"100"±"120"	"120"±"150"	"160"±"200"
ZO1	95-125				
ZO2	125-155				
ZO3	155-185				
ZO4	185-215				
ZO5	215-245				
ZO6	245-275				
ZO7	275-305				
ZO8	305-335				
ZO9	335-365				

ACCESSORIES AND EQUIPMENT (available at extra charge)

door frame shorter by 50 mm or 100 mm

door frame higher by 50 mm

door frame higher by 100 mm

door frame higher by 150 mm

door frame higher by 200 mm

reinforcement for the top-mounted door closer

additional type M hinge for the metal door frame (width "60"±"80") - 1 piece

change of hinge to type T for the metal door frame (width "60"±"80") - 1 piece

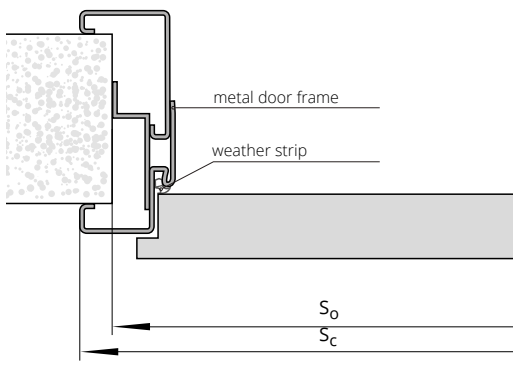
electric NC strike BIRA F12U (12V AC/DC) including catch plate and adaptation for the electric strike

electric NO strike BIRA F12R (12V DC) including catch plate and adaptation for the electric strike

additional ZOx adjustment system for the rebated adjustable frame (wall width range increase 635 mm)

MC 250 mortise reed switch

MC200-S19 mounting flange for reed switch (white colour) (for metal door frames)



WIDTH

type	single-leaf door				double-leaf door				
	So	Sc	Ho	Hc	type	So	Sc	Ho	Hc
"60"	690	717	2065	2078	"120"	1325	1351	2065	2078
"70"	790	817			"130"	1425	1451		
"80"	890	917			"140"	1525	1551		
"90"	990	1017			"150"	1625	1651		
"90" plus	1000	1027			"160"	1725	1751		
"100"	1090	1117	"170"	1825	1851				
"110"	1190	1217	"180"	1925	1951				
"120"	1290	1317	"190"	2025	2051				
			"200"	2125	2151				

So - installation opening width
Sc - total door frame width

Ho - installation opening height
Hc - door frame total height

door frame **FIXED** METAL DIAGONAL SYSTEM



DEDICATED TO

Interior door

Door frame made of 1.5 mm thick metal sheet.

COLOURS

Powder-coated door frame.

Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)

Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)

single-leaf door		double-leaf door	
"60"÷"90"	"100" ÷ "120"	"120"÷"150"	"160"÷"200"
FD15 sheet thickness 1.5 mm			

ACCESSORIES AND EQUIPMENT (available at extra charge)

door frame shorter by 50 mm or 100 mm

door frame higher by 50 mm

door frame higher by 100 mm

door frame higher by 150 mm

door frame higher by 200 mm

reinforcement for the top-mounted door closer

additional type M hinge for metal door frame
(width "60"+"80") - 1 piece

change of hinge to type T for the metal door frame
(width "60"+"80") - 1 piece

electric NC strike BIRA F12U (12V AC/DC) including catch
plate and adaptation for the electric strike

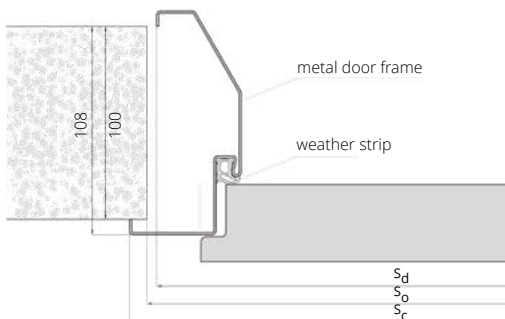
electric NO strike BIRA F12R (12V DC) including catch plate
and adaptation for the electric strike

MC 250 mortise reed switch

MC200-S19 mounting flange for reed switch (white colour)
(for metal door frames)

In interior door leaves with a metal door frame and door closer, type T hinges ("60"- "80"- 3 pcs, "90"- "120"- 4 pcs) are used as a standard.

Door frame made of the highest quality
1.5 mm steel sheet.



WIDTH

single-leaf door			double-leaf door				
type	So	Sd	Sc	type	So	Sd	Sc
"60"	700	691	717	"120"	1335	1325	1351
"70"	800	791	817	"130"	1435	1425	1451
"80"	900	891	917	"140"	1535	1525	1551
"90"	1000	991	1017	"150"	1635	1625	1651
"90" plus	1010	1001	1027	"160"	1735	1725	1751
"100"	1100	1091	1117	"170"	1835	1825	1851
"110"	1200	1191	1217	"180"	1935	1925	1951
"120"	1300	1291	1317	"190"	2035	2025	2051
				"200"	2135	2125	2151
HEIGHT					Ho	Hc	Hd
					2069	2078	2065

So - installation opening width
Ss - door frame total width
Sd - width on the door frame external side

Ho - installation opening height
Hd - height on the door frame external side
Hc - door frame total height

door frame ADJUSTABLE METAL DIAGONAL



In interior door leaves with a metal door frame and door closer, type T hinges ("60"- "80"- 3 pcs, "90"- "120"- 4 pcs) are used as a standard.



DEDICATED TO

Interior door

COLOURS

Powder-coated door frame.

Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)

Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)

symbol	range in mm	single-leaf door		double-leaf door	
		"60"±"90"	"100" ÷ "120"	"120"±"150"	"160"±"200"
D01	125-155				
D02	155-185				
D03	185-215				
D04	215-245				
D05	245-275				
D06	275-305				
D07	305-335				
D08	335-365				

ACCESSORIES AND EQUIPMENT (available at extra charge)

door frame shorter by 50 mm or 100 mm

door frame higher by 50 mm

door frame higher by 100 mm

door frame higher by 150 mm

door frame higher by 200 mm

reinforcement for the top-mounted door closer

additional type M hinge for metal door frame
(width "60"±"80") - 1 piece

change of hinge to type T for the metal door frame
(width "60"±"80") - 1 piece

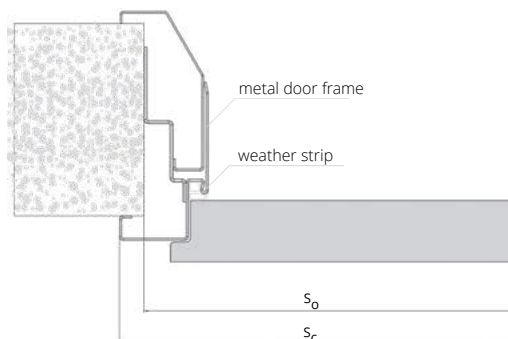
electric NC strike BIRA F12U (12V AC/DC) including catch plate
and adaptation for the electric strike

electric NO strike BIRA F12R (12V DC) including catch plate and
adaptation for the electric strike

MC 250 mortise reed switch

MC200-S19 mounting flange for reed switch (white colour)
(for metal door frames)

The door frame made of the highest quality 1.5 mm thick steel sheet.



WIDTH

type	single-leaf door				double-leaf door				
	So	Sc	Ho	Hc	type	So	Sc	Ho	Hc
"60"	690	717	2065	2078	"120"	1325	1351	2065	2078
"70"	790	817			"130"	1425	1451		
"80"	890	917			"140"	1525	1551		
"90"	990	1017			"150"	1625	1651		
"90" plus	1000	1027			"160"	1725	1751		
"100"	1090	1117			"170"	1825	1851		
"110"	1190	1217			"180"	1925	1951		
"120"	1290	1317			"190"	2025	2051		
					"200"	2125	2151		

So - installation opening width
Sc - door frame total width

Ho - installation opening height
Hc - door frame total height



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door frame **FIXED METAL LUMEN**



DEDICATED TO

the LUMEN glass pane

Door frame made of 1.5 mm thick metal sheet.

COLOURS

Powder-coated door frame.

Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)

Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)

door frame type	single-leaf door
FD12 LUMEN	"60"÷"90"

ACCESSORIES AND EQUIPMENT

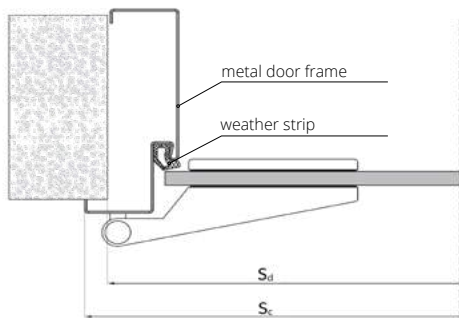
(available at extra charge)

electric NC strike BIRA F12U (12V AC/DC) including catch plate and adaptation for the electric strike

electric NO strike BIRA F12R (12V DC) including catch plate and adaptation for the electric strike

The installation opening must be enlarged by additional 5 mm for door frames equipped with an electric strike.

FD12 LUMEN



WIDTH FD12 LUMEN

type	single-leaf door			
	S _O	S _D	S _C	S _S
"60"	681	671	697	617
"70"	781	771	797	717
"80"	881	871	897	817
"90"	981	971	997	917

HEIGHT	H _D	H _O	H _C	H _S
		2055	2060	2068

S_d - door width on the door frame external side
S_O - installation opening width
S_C - door frame total width
S_S - door leaf width

H_d - door height on the external side of the door frame
H_O - installation opening height
H_C - total door frame width
H_S - door leaf height

door frame ADJUSTABLE METAL LUMEN



DEDICATED TO

the LUMEN glass pane
Door frame made of 1.5 mm thick metal sheet.

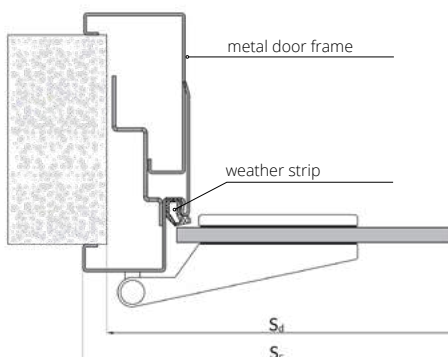
COLOURS

Powder-coated door frame.
Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R)
Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)

symbol	range mm	single-leaf door "60"÷"90"
ZO1	95-125	
ZO2	125-155	
ZO3	155-185	
ZO4	185-215	
ZO5	215-245	
ZO6	245-275	
ZO7	275-305	
ZO8	305-335	
ZO9	335-365	

ACCESSORIES AND EQUIPMENT (available at extra charge)

additional ZOx adjustment system for the rebated adjustable frame (wall width range increase 635 mm)
electric NC strike BIRA F12U (12V AC/DC) including catch plate and adaptation for the electric strike
electric NO strike BIRA F12R (12V DC) including catch plate and adaptation for the electric strike



WIDTH FD61 LUMEN				
single-leaf door				
type	S _O	S _D	S _C	S _S
"60"	690	685	717	617
"70"	790	785	817	717
"80"	890	885	917	817
"90"	990	985	1017	917

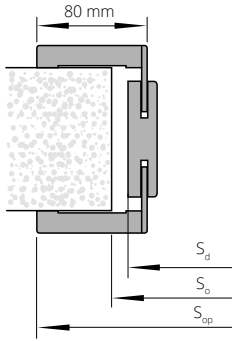
HEIGHT	H _D	H _O	H _C	H _S
	2062	2065	2078	2016

S_d - door width on the door frame external side
S_O - installation opening width
S_C - door frame total width
S_S - door leaf width

H_d - door height on the external side of the door frame
H_O - installation opening height
H_C - total door frame width
H_S - door leaf height

TUNNELS / WALL CASING

VERTIGO TUNNEL DOOR FRAME



Adjustment range	Range in mm	Complete set of elements Vertical elements	PAINTED* white	PAINTED* grey, beige	BLACK black, sage	UNI MAT PLUS			VENEERED			
						LAMISTONE	SILKSTONE	GROUP A	GROUP B	GROUP C, D		
VT1	76-96	Panel 76 mm, architrave with tongue 32 mm										
VT2	96-116	Panel 76 mm, architrave with tongue 32 mm										
VT3	116-142	Panel 76 mm, architrave with tongue 52 mm										
VT4	142-182	Panel 142 mm, architrave with tongue 32 mm										
VT5	182-208	Panel 142 mm, architrave with tongue 52 mm										
VT6	208-248	Panel 208 mm, architrave with tongue 32 mm										
VT7	248-274	Panel 208 mm, architrave with tongue 52 mm										
VT8	274-314	Panel 274 mm, architrave with tongue 32 mm										
VT9	314-354	Panel 274 mm, architrave with tongue 52 mm										

WIDTH

type	S _d	S _o	S _{op}
"60"	656	680	793
"70"	756	780	893
"80"	856	880	993
"90"	956	980	1093

ALTITUDE

H _d	H _o
2071	2085

Price excl. VAT - major part of the tunnel casing
* 80 mm wide architraves only

WALL ENCASUREMENT FINISH TUNNEL:
ZN (casing at the on-wall sliding system)
and ZT (opening casing without the door)

Adjustment range	Complete set of elements	ECO TOP	HIGH TOP	LAMISTONE CPL	SILKSTONE	UNI MAT PLUS	PAINTED* white	PAINTED* grey, beige	BLACK black, sage	VENEERED		
										for the laminated type	GROUP A	GROUP B
On-wall system	Tunnel system	Range in mm	Standard dimensions									
ZN 1	ZT 1	76-116	Panel 76 mm, architrave with tongue 32 mm									
ZN 2	ZT 2	116-142	Panel 76 mm, architrave with tongue 52 mm									
ZN 3	ZT 3	142-182	Panel 142 mm, architrave with tongue 32 mm									
ZN 4	ZT 4	182-208	Panel 142 mm, architrave with tongue 52 mm									
ZN 5	ZT 5	208-248	Panel 208 mm, architrave with tongue 32 mm									
ZN 6	ZT 6	248-274	Panel 208 mm, architrave with tongue 52 mm									
ZN 7	ZT 7	274-314	Panel 274 mm, architrave with tongue 32 mm									
ZN 8	ZT 8	314-354	Panel 274 mm, architrave with tongue 52 mm									

EXTRA CHARGES

- non-standard height of tunnels (up to 2300 mm)
- double-leaf tunnels dimension "100"+"100"
- double-leaf tunnels dimension "110"+"110"
- DIN AQUA tunnel door frame - subject to consultations with the Sales Department
- "100"; "110"
- architraves interconnected at an angle of 90° (80 mm thick architraves only)

EXTRA CHARGES	GROUP I	GROUP II	GROUP III	GROUP IV	GROUP V
for RAL, NCS door frames acc. to the colour groups					

* 80 mm wide architraves only
environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) - available at an extra charge according to the colour groups (p. 264)

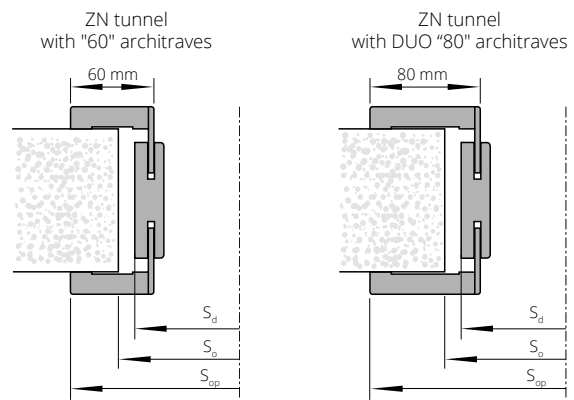
ZN, ZN SYSTEM DUO TUNNEL DOOR FRAME (except DIN DUO) (wall casing at the on-wall sliding system)
ZT SYSTEM DIN TUNNEL DOOR FRAME (wall casing without door for DIN door frames)

WIDTH

single-leaf door					double-leaf door				
type	S _d	S _o	S _{op}	S _{op} *	type	S _d	S _o	S _{op}	S _{op} *
"60"	649	670	746	786	"60"+"60"	1282	1305	1379	1419
"70"	749	770	846	886	"70"+"70"	1482	1505	1579	1619
"80"	849	870	946	986	"80"+"80"	1682	1705	1779	1819
"90"	949	970	1046	1086	"90"+"90"	1882	1905	1979	2019
"100"	1049	1070	1146	1186	"100"+"100"	2082	2105	2179	2219

HEIGHT

H _d	H _o	H _{op}	H _{op} *
2044	2055	2093	2113



60 mm wide architraves are not available in the painted version

* SYSTEM DUO (except DIN DUO)

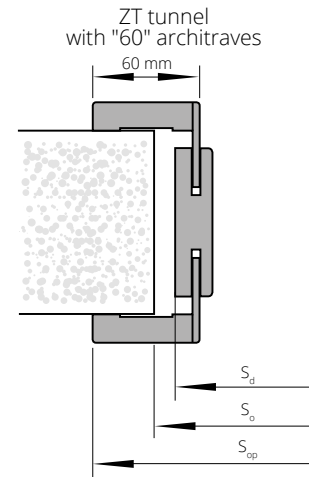
S_d - door width on the door frame external side
S_o - installation opening width
S_{op} - width on the external side of the architrave

H_d - door height on the external side of the door frame
H_o - installation opening height
H_{op} - architrave external height

ZT TUNNEL DOOR FRAME (except ZT DIN) (wall casing without door)

WIDTH							
single-leaf door			double-leaf door				
type	S _d	S _o	S _{op}	type	S _d	S _o	S _{op}
"60"	700	720	797	"60"+"60"	1334	1360	1431
"70"	800	820	897	"60"+"70"	1434	1460	1531
"80"	900	920	997	"60"+"80", "70"+"70"	1534	1560	1631
"90"	1000	1020	1097	"60"+"90", "70"+"80"	1634	1660	1731
"100"	1100	1120	1197	"70"+"90", "80"+"80"	1734	1760	1831
				"80"+"90"	1834	1860	1931
				"90"+"90"	1934	1960	2031
				"100"+"100"	2134	2160	2231
HEIGHT				H _d	H _o	H _{op}	
				2069	2080	2118	

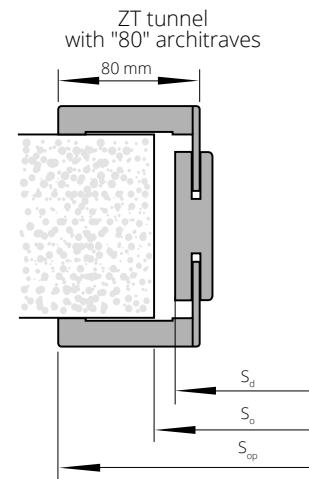
Available only with the colours of natural veneers



60 mm wide architraves are not available in the painted version

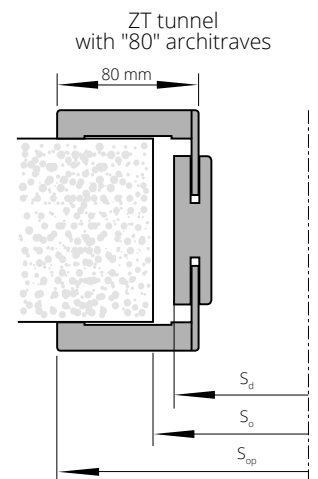
ZT SYSTEM DIN DUO TUNNEL DOOR FRAME (wall casing without door)

WIDTH							
single-leaf door			double-leaf door				
type	S _o	S _d	S _{op}	type	S _o	S _d	S _{op}
"60"	675	655	792	"60"+"60"	1290	1270	1407
"70"	775	755	892	"60"+"70"	1390	1370	1507
"80"	875	855	992	"60"+"80", "70"+"70"	1490	1470	1607
"90"	975	955	1092	"60"+"90", "70"+"80"	1590	1570	1707
				"70"+"90", "80"+"80"	1690	1670	1807
				"80"+"90"	1790	1770	1907
				"90"+"90"	1890	1870	2007
HEIGHT				H _o	H _d	H _{op}	
				2075	2065	2133	



ZT tunnel for SYSTEM DUO door (wall casing without door)

WIDTH							
single-leaf door			double-leaf door				
type	S _d	S _o	S _{op}	type	S _d	S _o	S _{op}
"60"	699	720	836	"60"+"60"	1326	1350	1463
"70"	799	820	936	"60"+"70"	1426	1450	1563
"80"	899	920	1036	"70"+"70"	1526	1550	1663
"90"	999	1020	1136	"70"+"80"	1626	1650	1763
				"80"+"80"	1726	1750	1863
				"80"+"90"	1826	1850	1963
				"90"+"90"	1926	1950	2063
HEIGHT				H _d	H _o	H _{op}	
				2085	2095	2154	



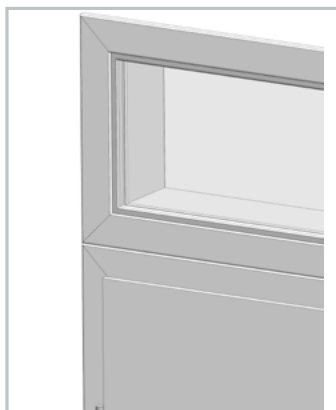
S_d - door width on the door frame external side
 S_o - installation opening width
 S_{op} - width on the external side of the architrave

H_d - door height on the external side of the door frame
 H_o - installation opening height
 H_{op} - architrave external height



TOPLIGHTS /SIDELIGHTS FOR DIN/DIN DUO DOOR FRAME

REBATED SYSTEM

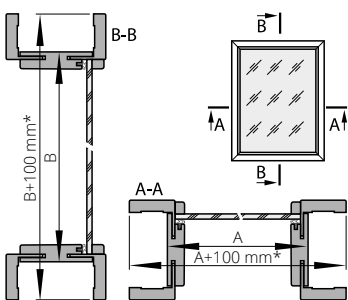


**TOPLIGHTS/
SIDELIGHTS
on the DIN door
frame profile**
(price per 1 m of
toplight / sidelight
calculated along the
external perimeter of
the toplight / sidelight)

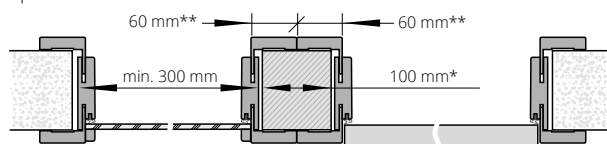
NP1A	75-85
NP1B	85-95
NP2	95-120
NP3	120-140
NP4	140-160
NP5	160-180
NP6	180-200
NP7	200-220
NP8	220-240
NP9	240-260
NP10	260-280
NP11	280-300

PAINTED* white	PAINTED* grey, beige	ECO TOP	for the laminated type
			HIGH TOP
			LAMISTONE CPL
			UNI MAT PLUS
			SILKSTONE

VENEERED		
GROUP A	GROUP B	GROUP C, D



price of sidelight/toplight = price of 1m x 2(A+B) + price of 1m² of glass x A x B
optional use of 80 mm architraves



Maximum dimension of toplights and sidelights is:
- toplights AxB= 2190x700 mm
- sidelights AxB= 1000x2043 mm

*When using architraves 80 mm - 140 mm
*When using architraves 80 mm - 80 mm

NON-REBATED SYSTEM

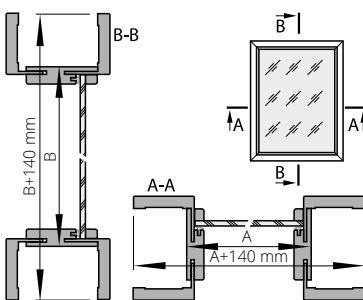


**TOPLIGHTS/
SIDELIGHTS
on the DIN DUO
door frame profile**
(price per
1 m of toplight/sidelight
calculated along the
external perimeter of
the toplight / sidelight)

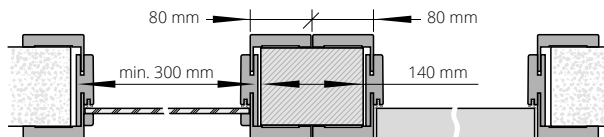
ND1	75-80
ND2	80-85
ND3	85-95
ND4	95-120
ND5	120-140
ND6	140-160
ND7	160-180
ND8	180-200
ND9	200-220
ND10	220-240
ND11	240-260
ND12	260-280
ND13	280-300

PAINTED* white	PAINTED* grey, beige	ECO TOP	for the laminated type
			HIGH TOP
			LAMISTONE CPL
			UNI MAT PLUS
			SILKSTONE

VENEERED		
GROUP A	GROUP B	GROUP C, D



price of sidelight/toplight = price of 1m x 2(A+B) + price of 1m² of glass x A x B



Maximum dimension of toplights and sidelights is:
- toplights SxH = 2207x700 mm
- sidelights SxH = 1000x2133 mm

USE THE B.M. GLASS PANE TYPES FOR TOPLIGHTS:

- A. Security glass pane, white matt 3.3.1, thickness: 6.4 mm
- B. Security glass pane, translucent 3.3.1, thickness: 6.4 mm
- C. White matt tempered glass pane, thickness: 6 mm
- C. Tempered translucent glass pane, thickness: 6 mm

The architraves of the DIN/DIN DUO toplights are not available with an angle of 90°.

Recommended way of connecting toplights/sidelights along the DIN/DIN DUO door frame by means of installation blocks
*environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) - available at an extra charge according to the colour groups (p. 264)



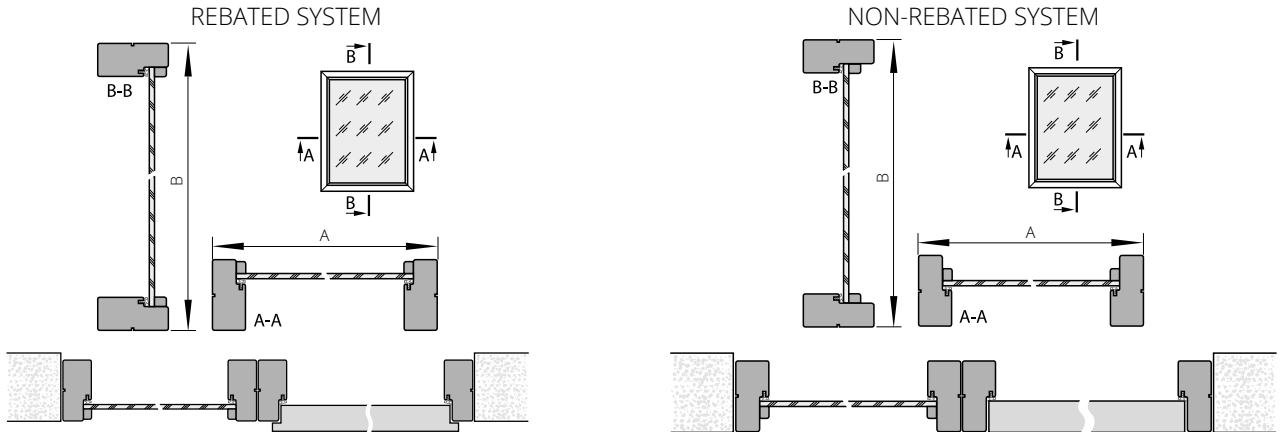
SIDELIGHTS / TOPLIGHTS FOR FIXED DOOR FRAME

TOPLIGHTS/SIDELIGHTS on the fixed door frame profile (rebated sys.) **fixed DUO** (non-rebated sys.) (price per 1 m of toplight calculated along the outer perimeter of the toplight)

PAINTED* white	for the laminated type	VENEERED		
	HIGH TOP	GROUP A	GROUP B	GROUP C, D
	UNI MAT PLUS			
	LAMISTONE CPL			
SILKSTONE				

fixed 92 mm

price of sidelight/toplight = price of 1m x 2(A+B) + price of 1m² of glass x A x B



Recommended method of connecting toplights/sidelights on the fixed/DUO fixed door frame profile

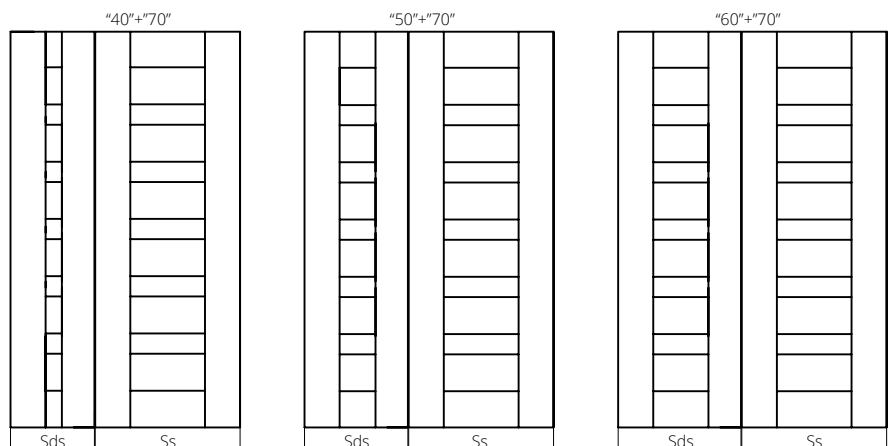
*environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) – available at an extra charge according to the colour groups (p. 264)

SEMPRE INTERIOR DOOR SIDE PANELS

PRICE OF DOOR LEAF WITH SIDE PANEL = 2 x DOOR LEAF PRICE

The side panels are applicable to the models: SEMPRE, SEMPRE LUX (patterns W02, W03 only)

WIDTH (rebated system)			WIDTH (non-rebated system)		
type	Ss with rebate	Sds	type	Ss	Sds
"40"+ "70"		431	"40"+ "70"		412
"50"+ "70"	744	531	"50"+ "70"	725	512
"60"+ "70"		631	"60"+ "70"		612
"40"+ "80"		431	"40"+ "80"		412
"50"+ "80"	844	531	"50"+ "80"	825	512
"60"+ "80"		631	"60"+ "80"		612
"40"+ "90"		431	"40"+ "90"		412
"50"+ "90"	944	531	"50"+ "90"	925	512
"60"+ "90"		631	"60"+ "90"		612

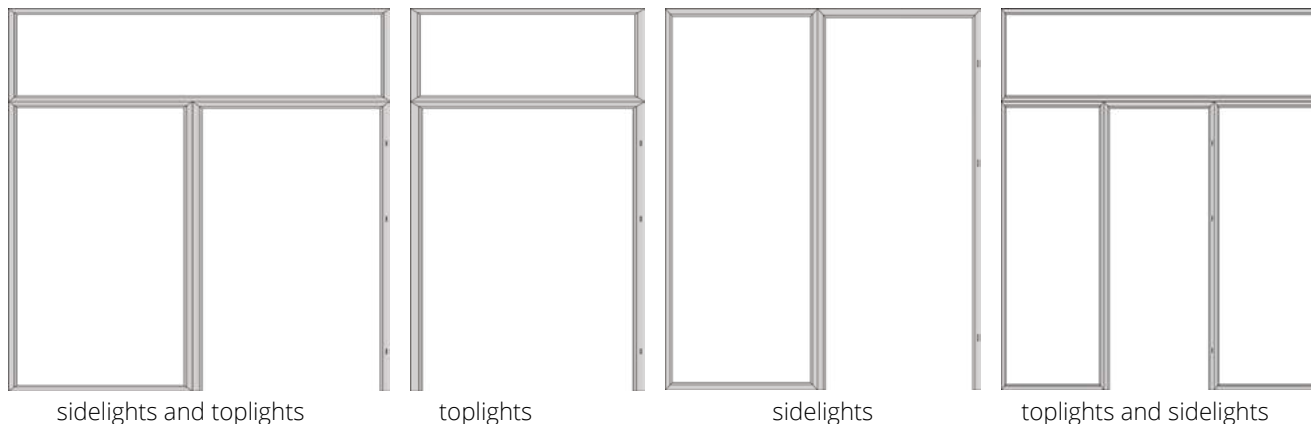


METAL TOPLIGHTS/SIDELIGHTS

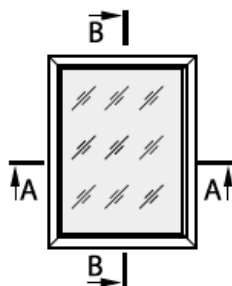
To be priced individually subject to consultation with the Sales Department

The following glass panes are available for the sidelight / toplight (price per m²):

- white matt 33.1 safe glass pane, thickness 6.4 mm
- translucent 33.1 safe glass pane, thickness 6.4 mm
- white matt safe glass pane, thickness 6 mm
- translucent safe glass pane, thickness 6 mm



TOPLIGHT/SIDELIGHT CALCULATION METHOD:
price of 1 m x (2 (A+B)+(extra charge for the colour*) + price of 1 m² of glass x AxB

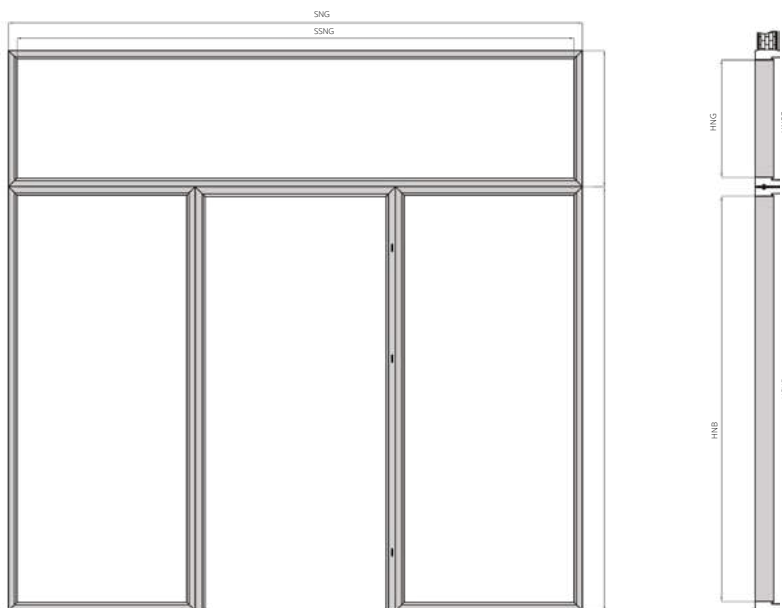


FD18 FIXED METAL DOOR FRAME

dedicated to metal sidelights/toplights

Door frame made of the highest quality 1.5 mm steel sheet

single-leaf type	
"60" - "90"	"100" - "110"
double-leaf type	
"60" - "90"	"100" - "110"



COLOURS

Powder-coated door frame. Standard colours: white (RAL 9003), black (RAL 9005), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024). Other colours from the RAL palette are available at an extra charge - according to the table of extra charges (p.223)



DEDICATED TO
FD18 fixed metal door frame

COLOURS
Powder-painted toplights / sidelights .
Standard colours: white (RAL 9003), white (RAL 9016), grey (RAL 7047), brown (RAL 8014), graphite (RAL 7024), beige (NCS S 2005 Y50R). Other colours from the RAL palette available at an extra charge - acc. to the table of extra charges.

GLAZING
A toplight / sidelight may be filled with 6 mm tempered glass pane, safe glass pane 33.1 and HDF panel with a thickness of 6 mm.


	DIMENSIONS	
	min [mm]	max [mm]
SSNG	600	2442
SSNB	300	1000
HNG	300	1000
HSNB	1600	2400
the height of the entire set may not exceed 3300 mm		

SNB - sidelight width
SSNB - width in the sidelight clearance
SSG - toplight width
SSNG - width in the toplight clearance
HNB - sidelight height
HNG - toplight height
HSNB - height in the sidelight clearance
HSNG - height in the toplight clearance


STRIPS

ECO TOP	for the laminated type	PAINTED* white	VENEERED			
	UNI MAT PLUS		GROUP A	GROUP B	GROUP C, D	
	HIGH TOP					
	LAMISTONE CPL					
SILKSTONE	LC1F	LC1F	LC1F	LC10	LC10	LC10

LC1 OVAL MOULDING symbol LC1F LC1F LC1F LC10 LC10 LC10




for the single-leaf door

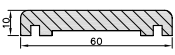


for the double-leaf door

LD6 MASKING MOULDING symbol LD6F LD6F LD6F LD60 LD60 LD60




for the single-leaf door

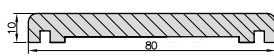


for the double-leaf door

LD10 MASKING MOULDING symbol LD10F LD10F LD10F LD100 LD100 LD100



for the single-leaf door

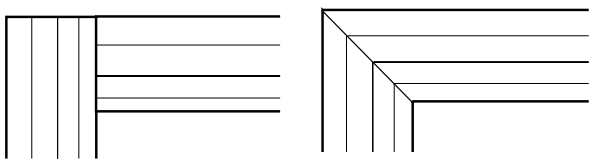


for the double-leaf door

* environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) – available at an extra charge according to the colour groups (p. 264)

Mouldings in the colours of black 244, white 258, Polish oak 276, merbau Royal 295 with a height of 80 mm available from the stock

RECOMMENDED CONNECTIONS OF MOULDINGS

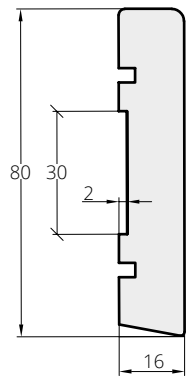


LD10
complete set for the double-leaf door: 2 strips with a length of 2200 mm + 1 strip with a length of 1150 mm;
complete set for double-leaf door: 3 strips with a length of 2200 mm;

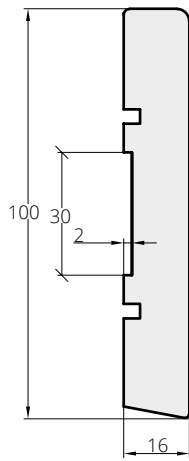
LC1, LD6
complete set for the double-leaf door: 2 strips with a length of 2150 mm + 1 strip with a length of 1150 mm;
complete set for double-leaf door: 3 strips with a length of 2150 mm

BASEBOARDS

moulding width 80 mm



moulding width 100 mm



STRIP	PAINTED* white	UNI MAT PLUS	VENEERED		
		LAMISTONE	GROUP A	GROUP B	GROUP C, D
		SILKSTONE			

price per 1 m of moulding


width: 80 mm

width: 100 mm

EXTRA CHARGES for RAL, NCS door frames acc. to the colour groups*	GROUP I	GROUP II	GROUP III	GROUP IV	GROUP V
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* environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) – available at an extra charge according to the colour groups (p. 264)
Baseboards available as 2.6 m long elements.
Minimum order volume for a single colour is 5 elements (1 package).



 Skirting board made of moisture-proof board

VENTILATION OPTIONS

	Plastic tubes T1-T4, T10, T13-T15	Plastic tubes T240-T243, T258, T260, T263, T276	Plastic tubes T120, T258, T121, T132, T141, T276, T295	Plastic tubes T293-T297	standard/DUO ventilation undercut	SEMPRE ventilation undercut	ARCO ventilation undercut	FORTIMO /MONA ventilation undercut	double slot ventilator	triple slot ventilator	plastic grill	stainless steel grill	bottom rail and stile set moisture protector*	UWAGI /NOTES/
ARCO, SEDO, VERI, MODO, EGRO			X ²	X ²			X ¹							1) undercut only for widths "80", "90" 2) in width "60" - 3 tubes as a standard
INTER-AMBER	X				X				X		X	X	X	
IMPULS, NOSTRE, INVERNO, SONATA (W1, W2, W5, W7)	X	X		X	X				X		X	X	X	
SONATA (W4, W6)	X	X		X	X				X		X ¹	X ¹	X	1) ventilation grill only in the standard height version
IMPULS 13	X	X		X	X						X ¹	X ¹	X	1) ventilation grill only for widths "70", "80", "90"
ETIUDA A01, B1	X	X		X	X						X ¹	X ¹	X	1) only for widths "70", "80", "90"
ETIUDA B0	X	X		X	X				X		X	X	X	
ESTATO B2, B3	X				X								X	
ETIUDA LUX A01, B1	X				X						X ¹	X ¹	X	1) only for widths "70", "80", "90"
ESTATO A01, B1, CREATO A01	X				X				X		X	X	X	
ETIUDA LUX B0	X				X				X		X	X	X	
DECO	X	X		X	X				X		X	X	X	
INTERSOLID, INTERSOLID II	X				X						X ¹	X ¹	X	1) version ventilation grill only in the standard height
MODERN, MODENA	X				X				X		X ¹	X ¹	X	1) ventilation grill only for the standard height
DECO LUX, CAMBIO, SIMPLE, TIARA (W01, W02, W05, W07), SUBLINE	X				X				X		X	X	X	
ESPINA	X				X				X ¹		X	X	X	1) except the W01 pattern
FIORD, TIARA (W03, W04, W06), VERTIGO, VILANO	X				X				X		X ¹	X ¹	X	1) ventilation grill only for the standard height
LUMEN					X									
PASSO					X									
FOLDING DUO	X	X	X	X										
SONATA LUX, SEMPRE LUX						X ¹				X ¹				1) only in widths "80", "90" 2) in width "60" - 3 tubes as a standard
SEMPRE ³		X ²				X ¹				X ¹				1) only for widths "80", "90" 2) in width "60" - 3 tubes as a standard 3) except patterns W05, W07
FORTIMO		X ²		X ²			X ¹			X ¹				1) undercut only for widths "80", "90" 2) in width "60" - 3 tubes as a standard
FORTIMO LUX							X ¹			X ¹				1) undercut only for widths "80", "90" 2) in width "60" - 3 tubes as a standard
ESTATO LUX A01	X				X						X ¹	X ¹	X	1) only in widths "70", "80", "90"
HAPTIC					X				X		X	X	X	
TIARA W08	X			X	X								X	
SONATA W8	X			X	X								X	
MONA		X					X ¹			X ¹				1) trim only in widths "80", "90"
ETIUDA, ETIUDA LUX, ESTATO, ESTATO LUX, CREATO (WZORY A02, A03)					X ¹									1) only in widths "70", "80", "90" PATTERNS A02, A03
FIORI	X	X					X ¹							1) trim only with the "80" and "90" width
LOFTY	X	X	X	X	X				X		X	X	X	

*except door leaves with ventilation undercut

The ventilation options for the DUO collection are to be applied as for the relevant door models

Door width	Door with ventilation undercut		Door with ventilation tubes		Door with two rows of ventilation tubes	
	Total cross-section of ventilation holes with the 10 mm clearance [m ²]	Total cross-section of tubes and standard 10 mm clearance [m ²]	An additional clearance between door leaf lower edge and floor is required to fulfil requirements of the regulation* [mm]	Total cross-section of tubes and standard 10 mm clearance [m ²]	An additional clearance between door leaf lower edge and floor is required to fulfil requirements of the regulation* [mm]	
REBATED	"60"	0.019	0.009	25**	0.011	20**
	"70"	0.022	0.010	20**	0.012	15**
	"80"	0.026	0.011	15**	0.013	15**
	"90"	0.029	0.012	15**	0.014	10**
	"100"	0.033	0.013	10**	0.015	10**
DUO (NON-REBATED)	"110"	0.036	0.014	10**	0.016	10**
	"60"	0.016	0.009	25**	0.011	20**
	"70"	0.020	0.010	20**	0.012	15**
	"80"	0.024	0.011	15**	0.013	15**
	"90"	0.028	0.012	15**	0.014	10**
REVES	"100"	0.032	0.013	10**	0.015	10**
	"110"	0.036	0.014	10**	0.016	10**
	"60"	0.015	-	-	-	-
	"70"	0.019	-	-	-	-
	"80"	0.023	-	-	-	-
LUMEN	"90"	0.027	-	-	-	-
	"60"	0.017	-	-	-	-
	"70"	0.021	0.010	20**	-	-
	"80"	0.026	0.011	15**	-	-
	"90"	0.030	0.012	15**	-	-
ARCO	"100"	0.034	0.013	10**	-	-
	"60"	0.014	0.009	25**	-	-
	"70"	0.018	0.010	20**	-	-
	"80"	0.023	0.011	15**	-	-
	"90"	0.027	0.012	15**	-	-
SEMPRE	"100"	0.032	0.014	10**	-	-
	"60"	0.016	0.009	25**	-	-
	"70"	0.020	0.010	20**	-	-
	"80"	0.024	0.011	15**	-	-
	"90"	0.028	0.012	15**	-	-
FORTIMO	"60"	0.016	0.009	25**	-	-
	"70"	0.020	0.010	20**	-	-
	"80"	0.024	0.011	15**	-	-
"90"	0.028	0.012	15**	-	-	

The standard clearance between the door leaf and the floor is 10 mm.

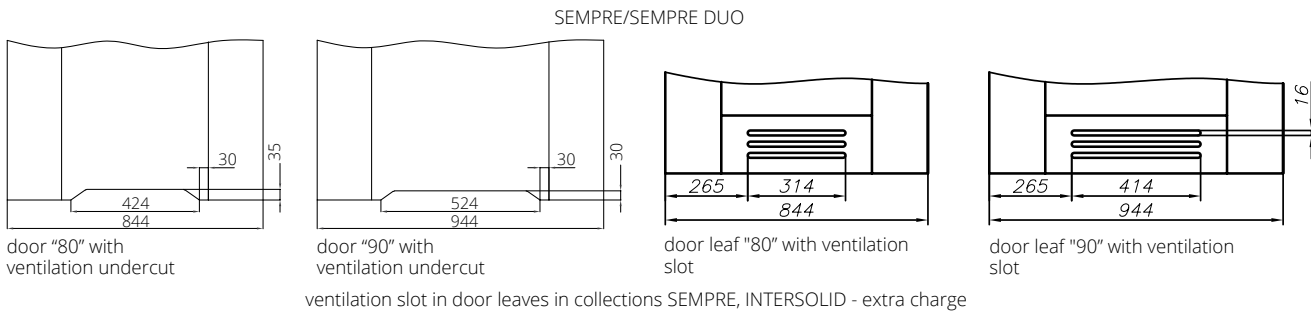
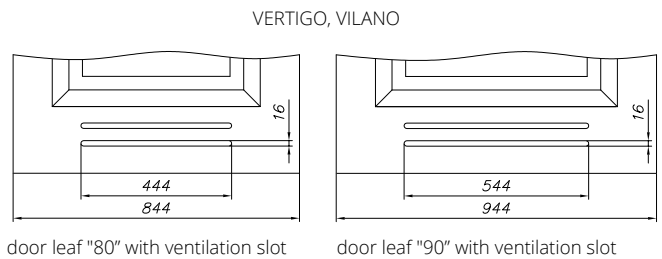
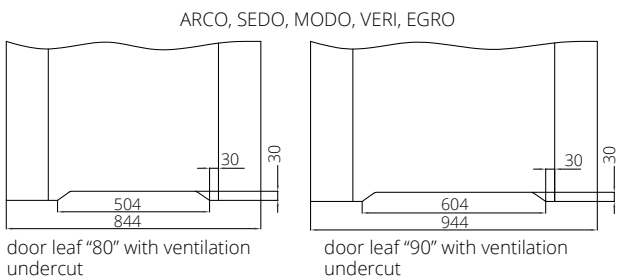
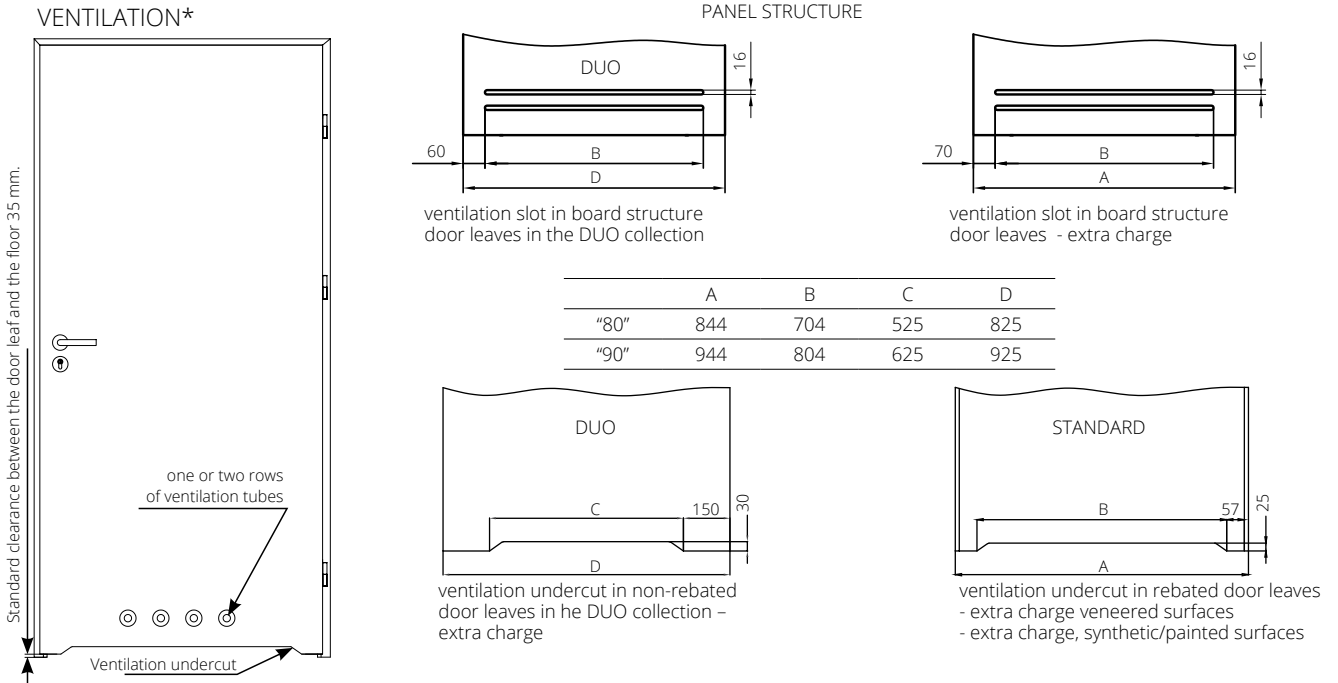
* According to the Regulation of the Minister of Infrastructure of 12 April 2002 on the technical conditions which must be fulfilled by buildings and their location. (Journal of Laws, 75 of 2002, item 690 as amended, Journal of Laws, no 33 of 2003, item 270, Journal of Laws no 109 of 2004, item 1156), Chapter 6, §. 79. "A bathroom, washroom and separate toilet door should be opening outwards, have, subject to § 75 section 2, at least 0.8 m and a height of 2 m within the door frame clearance and - in the lower part - air inlet holes with a total cross-section area not smaller than 0.022 m²."

** it is required to increase the clearance by the specific value by shortening the door leaf from the bottom side when the shortening is possible. Shortening the door in a do-it-yourself manner will cause the warranty to be invalid.

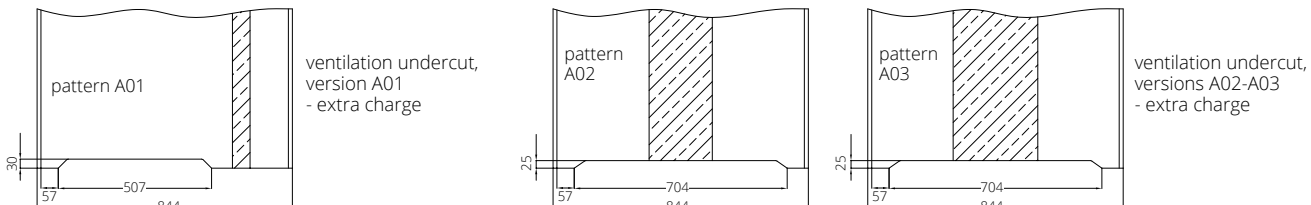
Door leaves unavailable for shortening:
- Etiuda, Etiuda Lux patterns A1-A3
Sliding door have a structural design (set away from wall/ on-wall system by about 20mm) that allows it to comply with the regulation without the need to add a ventilation undercut or ventilation tubes.
The ventilation grills and the stainless steel panels with ventilation surface comply with the regulation.

VENTILATION OPTIONS

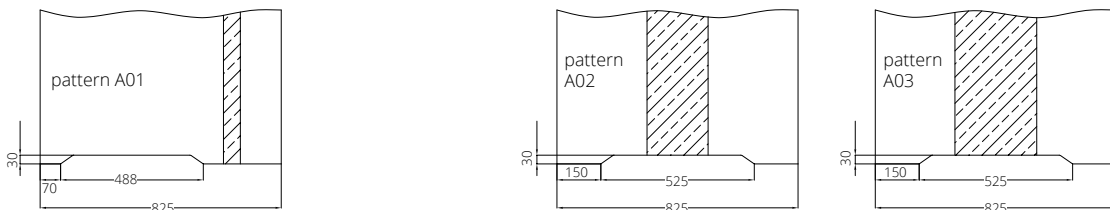
Ventilation undercut dyed in the colour similar to the door leaf, protected with moisture-proof impregnant



IMPULS 13, ESTATO, ESTATO LUX, CREATO, ETIUDA, ETIUDA LUX "80" (versions A01-A03 only)
rebated version



non-rebated version



Standard clearance between the door leaf and floor is 10 mm.

* According to the Ordinance of the Minister of Infrastructure of 12 April 2002 on the technical conditions which must be fulfilled by buildings and their location. (Journal of Laws, 75 of 2002, item 690 as amended, Journal of Laws no 33 of 2003, item 270, Journal of Laws no 109 of 2004, item 1156), Chapter 6, §. 79. "A bathroom, washroom and separate toilet door should be opening outwards, have, subject to § 75 section 2, at least 0.8 m and a height of 2 m within the door frame clearance and - in the lower part - air inlet holes with a total cross-section area not smaller than 0.022 m²".

** increase the clearance by the specific value by shortening the door leaf from the bottom side in case when shortening is possible.

Door leaves unavailable for shortening: Etiuda, Etiuda Lux patterns A1-A3.

Sliding door leaves comply with the regulation without the need to add a ventilation undercut or ventilation tubes due to their structural design (set away from wall/tunnel by about 20 mm).

VENTILATION OPTIONS

VENTILATION TUBES made of plastic (a complete set 4 pcs)



row of tubes (4 pcs)

VENTILATION TUBES made of plastic (a complete set 4 pcs) - designed to match the door leaf colour

HIGH TOP



row of tubes (4 pcs)

T292
coffee ash

ECO TOP



T121
oak

T132
walnut

T120/T258
white

T161
half oak

T141
Salinas oak

T276
honey oak

LAMISTONE



T258
white

T260
white oak

T263
premium walnut

T240
whitewashed elm

T241
sand elm

T242
grey elm

T243
delano oak

T250
terra oak

T276
Polish oak

SILKSTONE



T293
Royal anthracite

T294
Royal ash

T295
Royal merbau

T297
Royal nougat

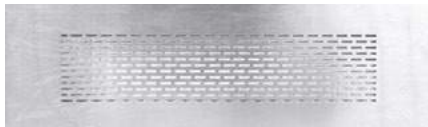
T230
gran oak

The actual colours may vary from the colours printed in this catalogue.

The ventilation tubes do not fulfil the requirements of the Ministerial regulation concerning the cumulative cross-section of the holes for air supply.

VENTILATION OPTIONS

CROSS RAIL WITH VENTILATION SURFACE



VENTILATION TUBES*

made of plastic



white



brown



black



beige



grey



anthracite

white, beige, brown, grey, black, anthracite

made of stainless steel



H17 clip fastening
acid resistant, clip fastening

Stainless steel grills and panels are optionally available on request.
The area of air inflow holes is more than 0.022 m².

* In accordance with the Announcement of the Minister of Development and Technology of 15 April 2022 (Journal of Laws 2022, item 1225) on the announcement of the consolidated text of the Regulation of the Minister of Infrastructure on the technical conditions to be met by buildings and their location: Chapter 6, §. 79. "A bathroom, washroom and separate toilet door should be opening outwards, have, subject to § 75 section 2, at least 0.8 m and a height of 2 m within the door frame clearance and - in the lower part - air inlet holes with a total cross-section area not smaller than 0.022 m²".

STAINLESS STEEL PROTECTORS

WITH THE 0.6 MM THICK EDGE OF DOOR LEAF
rebated system only

Door leaf vertical edge protectors can be used for a 40 mm thick door leaf in coatings LAMISTONE, SILKSTONE, CPL 0,2; CPL 0,5; CPL 0,7 and VENEERED. Protectors are only suitable for type T hinges.

PROTECTOR TYPE

(vertical protector of the lock side and vertical protector of the hinge side)

extra charge added to the door leaf catalogue price

Complete set of protectors for the 40 mm thick door leaf

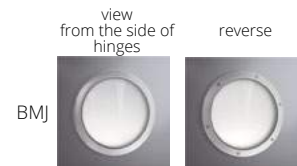
In case of swing doors, the leaf edge protector is installed on the side opposite to the hinge side.



PORTHOLES



size	S ₀	colour
porthole 1 (Ø 240 mm, thickness: 18, 40 mm)	135 mm	stainless steel (matt) glass - lacomat
porthole 2 (Ø 320 mm, thickness: 18, 40 mm)	215 mm	
porthole 3 (Ø 350 mm, thickness: 18, 40 mm)	235 mm	
porthole 4 (Ø 400 mm, thickness: 18, 40 mm)	280 mm	



size	S ₀	colour
porthole 2 (Ø 300 mm, thickness: 35-45 mm)	225 mm	stainless steel (matt) glass-lacomat
porthole 3 (Ø 350 mm, thickness: 35-45 mm)	265 mm	
porthole 4 (Ø 400 mm, thickness: 35-45 mm)	295 mm	



size	S ₀	colour
porthole 2 (Ø 300 mm, thickness: 35-45 mm)	225 mm	stainless steel (matt) glass-lacomat
porthole 3 (Ø 350 mm, thickness: 35-45 mm)	265 mm	
porthole 4 (Ø 400 mm, thickness: 35-45 mm)	295 mm	

S₀ - dimension on the internal side of the porthole

DOOR MODELS	PORTHOLE ONLY IN FLUSH VERSIONS	NOTES
DECO, HAPTIC	BMD, BMJ, BMN	
DECO LUX	BMD, BMJ, BMN	
ETIUDA pattern B0		
ETIUDA LUX pattern B0	BMD, BMJ, BMN	
IMPULS	(BMD, BMJ, BMN) ¹⁾	1) only in version 01
INTERSOLID IP ²⁾	BMD ¹⁾	1) porthole only with a width of: "70", "80", "90" 2) except patterns 10, 11
INTERSOLID	BMD ¹⁾	1) porthole only with a width of: "70", "80", "90"
MODERN, MODERN DUO	BMD ¹⁾	1) porthole only with a width of: "70", "80", "90"
CAMBIO, CAMBIO DUO	BMD, BMJ, BMN	
INTER-AMBER	BMD, BMJ, BMN	
SIMPLE, SIMPLE DUO	BMD, BMJ, BMN	

Matt, safe glass - in standard (except BMD)
Transparent glass - extra charge + 13 (except BMJ)
chipboard must be ordered if a porthole is to be applied

CROWNS

FOR DOOR FRAME: SYSTEM DIN "60", SYSTEM DIN "80", SYSTEM DIN DUO, SYSTEM DUO



crown for single-leaf door on one side

Crown for single-leaf door "60"- "90" on one side (1 piece)

Surface ECO TOP

Surfaces HIGH TOP, LAMISTONE CPL, SILKSTONE, UNI MAT PLUS

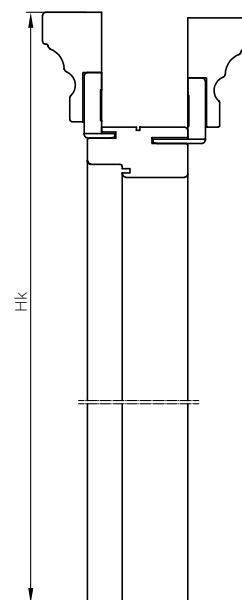
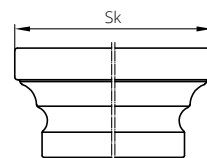
Painted*

Veneers GROUP A, GROUP B, GROUP C

EXTRA CHARGES

for the double-leaf door
crown "100", "110"

*environment-friendly acrylic paints, RAL and NCS colours (except metallic ones) - available at an extra charge according to the colour groups (p. 264)



Sk - width on the external side of the crown
Hk - height on the external side of the crown

ACCESSORIES

HINGES FOR INTERIOR DOORS

rebated system



screw-in type B pivot hinge silver plating or brushed nickel

rebated system



screw-in pivot type D hinge silver plating or brushed nickel

rebated system



screw-in type C pivot hinge* silver plating or brushed nickel

rebated system



screw-in type K pivot hinge* silver plating or brushed nickel

rebated system



pivot type M hinge for the metal door frame, silver plated

rebated system



hinge with closing function (fixed wooden or one-sidedly adjustable door frame) silver plating

* hinges included in the door frame set When ordering the door leaf only, you must also order a hinge.

rebated system



three-part type T* silver hinge for SYSTEM DIN door frame

rebated system



three-part type T* black hinge for SYSTEM DIN door frame

rebated system



three-part type T* black hinge for metal door frame

rebated system



three-part type T* silver hinge for metal door frame

non-rebated system



adjustable hidden TE* silver hinge

non-rebated system



adjustable hidden TE* white hinge

non-rebated system



adjustable hidden TE* black hinge

non-rebated system



adjustable hidden DUO* nickel satin hinge

non-rebated system



adjustable hidden DUO* white hinge

non-rebated system



adjustable hidden DUO* black hinge (collection BLACK)

non-rebated system



adjustable hidden HARMONY* chrome satin hinge

non-rebated system



adjustable hidden HARMONY* white hinge

non-rebated system



adjustable hidden HARMONY* black hinge (collection BLACK)

LOCKS



rebated



non-rebated

lock colour change

NEW

HINGE CAPS, TYPE I

(complete set of 2 pcs per one hinge)



colours: golden, chrome, chrome-matt patina, black

Type I caps are used for the type C and type K hinges. A complete set of caps per one hinge contains two identical caps.

HINGE CAPS, TYPE II (1 complete set per one hinge)

(1 complete set - 2 pcs)



colours: golden, chrome, chrome-matt, patin, brown, white, black

Type II caps are used for type B, type D hinges. A set of caps per one hinge consists of a short cap (the upper part) and a long cap (the lower part).

ACCESSORIES

DOOR CLOSER GEZE TS 2000 NV



closer
colours _____ price from _____
silver, white, brown _____
black _____

required reinforcement for door closer and reinforcement under the door frame architrave. There are other door closer models - available subject to consultation with the Sales Department.

SURFACE-MOUNTED DOOR CLOSER TS PROFIL



door closer TS Profil
colours _____ price from _____
silver, white, brown, black _____
door closer TS PROFIL with a mounting board
colours _____ price from _____
silver, white, brown, black _____



drop seal
available separately (to be trimmed by the user)
fixed in the door

suitable only for door leaf with a min. thickness of 40 mm (lower rail and stile set).

HOOK LOCK for sliding doors



option: WK lock
chrome, chrome matt, golden, golden matt, patina
black



option: WC lock
chrome, chrome matt, golden, golden matt, patina
black

PULL HANDLES for sliding doors



U1 golden U2 golden matt U3 chrome U4 chrome matt U5 patina U6 black

golden, golden matt, chrome, chrome matt, patina, black

ENTERO handle



nickel satin

ENTERO II handle



stainless steel

ENTERO nickel satin for screws
ENTERO nickel satin for screw + WC hook lock
ENTERO II stainless steel + WC lock
ENTERO II stainless steel

MAYA handle

nickel satin + key lock
nickel satin
nickel satin + hook lock for cylinder
nickel satin + WC lock



nickel satin

HANDRAILS

for folding doors (included in the door leaf price as a standard)
made of plastic



01 white 02 beige 03 brown 04 grey

pull handle

ALUMINIUM DECORS (TIARA, SONATA)



chrome matt (standard)



golden gloss (option)



black (option)



chrome gloss (option)


HANDLES FOR INTERIOR DOORS

ARCO




	split backplate
colour	antique brass, brushed nickel
handle	
Wk, WB rose	
WC rose	

ARCUS




	split backplate
colour	satin nickel brushed nickel
handle	
Wk, WB rose	
WC rose	

MENSA




	split backplate
colour	chrome satin chrome
handle	
Wk, WB rose	
WC rose	

UNICO




	split backplate
colour	white matt black matt structural graphite
handle	
Wk, WB rose	
WC rose	

VERSA




	split backplate
colour	satin-finished chrome, satin-finished nickel brushed nickel
handle	
Wk, WB rose	
WC rose	

AUTUNNO




	split backplate
colour	brushed nickel, brushed chrome glossy chrome
handle	
Wk, WB rose	
WC rose	

IMAGE-O INOX



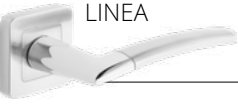
	split backplate
colour	stainless steel
handle	
Wk, WB rose	
WC rose	

ENCKE




	split backplate
colour	satin nickel
handle	
Wk, WB rose	
WC rose	

LINEA




	split backplate
colour	brushed nickel, glossy chrome, graphite chrome
handle	
Wk, WB rose	
WC rose	

CRUX



	split backplate
colour	satin nickel, chrome satin
handle	
Wk, WB rose	
WC rose	

TOPAZ



	split backplate
colour	stainless steel
handle	
Wk, WB rose	
WC rose	

BOLD



	split backplate
colour	stainless steel
handle	
Wk, WB rose	
WC rose	

AGOSTO



	split backplate
colour	stainless steel
handle	
Wk rose	
WB rose	
WC rose	

SEMPRE




	split backplate
colour	nickel
handle	
WK, WB rose	
WC rose	

ARABIS




	split backplate
colour	black
handle	
WK, WB rose	
WC rose	

IBIZA




	split backplate
colour	black
handle	
WK, WB rose	
WC rose	

ESTATE



	split backplate	
colour	brushed chrome, brushed nickel	glossy chrome
handle		
WK rose		
WC rose		

VERANO




	split backplate	
colour	brushed nickel, brushed chrome, black	glossy chrome
handle		
WK, WB rose		
WC rose		

TWIST




	split backplate
colour	stainless steel
handle	
WK, WB rose	
WC rose	

PRIMAVERA



	split backplate
colour	brushed chrome no insert, black without insert
handle	
WK rose	
WC rose	


INVERNO



	split backplate
colour	brushed nickel, brushed chrome, black
handle	
WK, WB rose	
WC rose	


Insert-compatible handle
- the insert in the colour of the door is available

APRILE




	split backplate
colour	glossy chrome, brushed chrome, brushed nickel
handle	
WK, WB rose	
WC rose	

LATON




	split backplate
colour	stainless steel
handle	
WK, WB rose	
WC rose	

HALLEY




	split backplate
colour	brushed chrome / nickel, antique brass
handle	
WK, WB rose	
WC rose	

NIQUEL




	split backplate
colour	stainless steel
handle	
WK, WB rose	
WC rose	

HIGRO



	split backplate
colour	stainless steel
handle + WK rose	
handle + WB rose	
handle + WC rose	


EXIMUS



	split backplate	
colour	chrome/black, chrome/white	chrome satin black/ chrome satin white
handle		
WK, WB rose		
WC rose		


Handle + WC HIGRO rose are only intended for the HIGRO door.

BERGENIA




			split backplate
colour	black matt, chrome polished, chrome satin	golden polished golden matt	
handle			
WK, WB rose			
WC rose			

LUPINA




			split backplate
colour	black matt, chrome polished, chrome satin		
handle			
WK, WB rose			
WC rose			

ARNICA



			split backplate
colour	black matt, chrome polished, satin chrome		
handle			
WK, WB rose			
WC rose			

PATINA



			split backplate
colour	stainless steel		
handle			
WK, WB rose			
WC rose			

SATEN




			split backplate
colour	stainless steel		
handle			
WK, WB rose			
WC rose			

ANMI



			split backplate
colour	golden matt, golden gloss		
handle			
WK, WB rose			
WC rose			

GALE (left-hand, right-hand)



			longitudinal backplate, spacing: 72 mm
colour	brushed chrome / nickel, antique brass		
handle + WK rose			
handle + WB rose			
handle + WC rose			

dedicated to the door in the rebated system

CYLINDERS FOR INTERIOR DOOR

	price per 1 piece
30/35 LOB	
30/30 LOB	
30/40 LOB	
35/30 LOB	
26/26 WILKA	

WK – key-operated, WB – cylinder type, WC – bathroom privacy lock type

CYLINDERS FOR INTERIOR DOORS

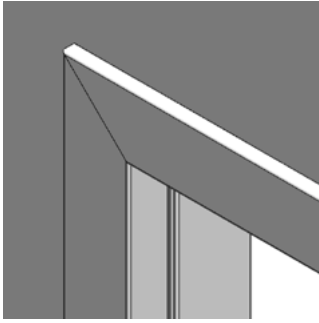
Item	Cylinder size	Manufacturer	Interior door							
			rebated single-leaf door, Type A, Type B	rebated double-leaf door	non-rebated single-leaf door, Type A, Type B	non-rebated with electric strike	non-rebated double-leaf door	non-rebated double-leaf door Type A, Type B, HARMONY INVEST	Harmony, REVES	Lumen
1	30x35	LOB	x	x			x			
2	30x30	LOB			x					x
3	30x40	LOB						x		
4	35x30	LOB				x			x	
5	26x26	Wilka								x

CYLINDERS FOR INTERIOR ENTRANCE DOOR

30Gx35, 30x35G, 40x30G		35Gx45		35Gx40, 35x40G		40x40G		CERBER PLUS	
class 6 (C class) cylinder		class 6 (C class) cylinder		class 6 (C class) cylinder		class 6 (C class) cylinder		class B (brass, nickel) cylinder	
silver	black	silver	black	silver	black	silver	black	1 pcs	1 pcs (with knob)

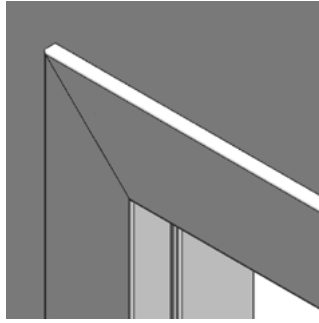
ADDITIONAL INFORMATION

WAYS OF CONNECTING ARCHITRAVES



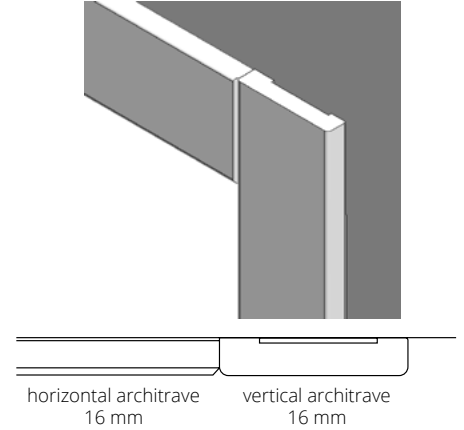
VERSION A

architraves interconnected
at an angle of 45°
architraves 60 mm



VERSION B

architraves interconnected
at an angle of 45°
architraves 80 mm

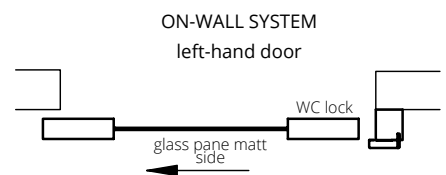
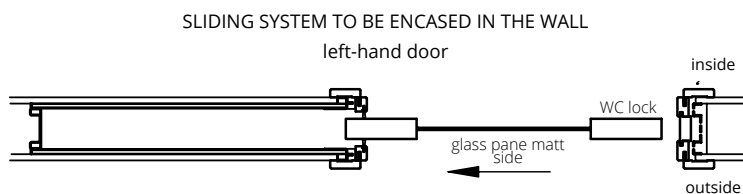
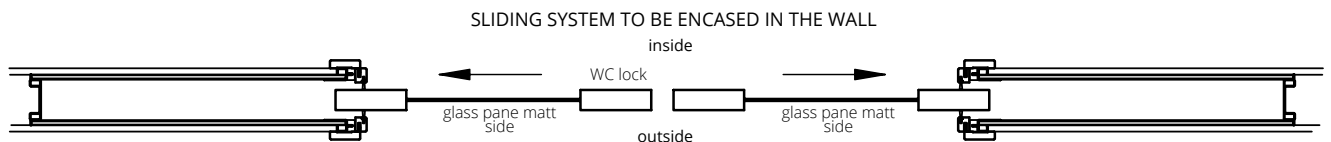
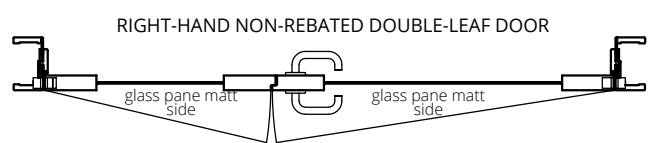
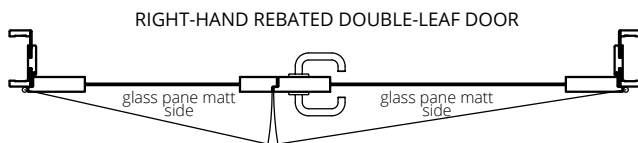
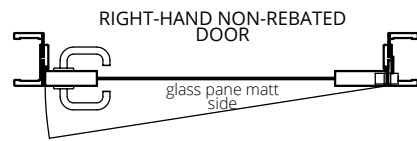
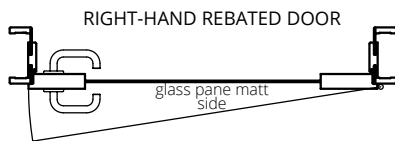


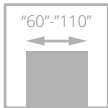
VERSION C 90°

cutting of architraves
to 90°, 80 mm architrave
(DIN version B, DIN DUO door frame only)

Glass pane in the door

See which side of the glass pane the matt side of the glass pane is





INTERIOR DOOR FOR ROOMS WITH THE RECUPERATION SYSTEM

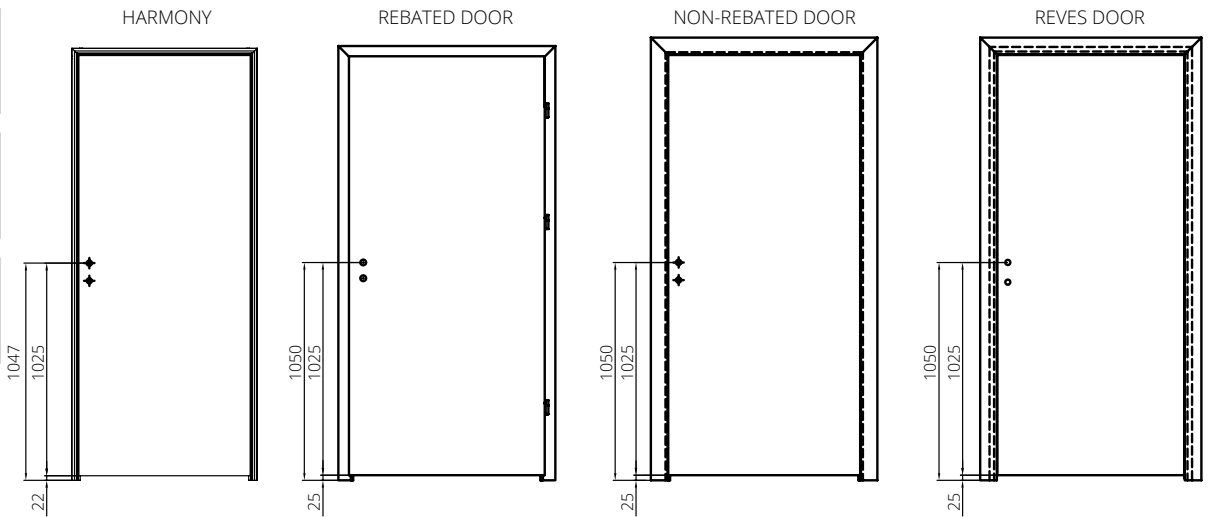


recuperation trim

The following models include doors with a recuperation trim: CAMBIO, SIMPLE, TIARA, INTER-AMBER, IMPULS, SONATA, INVERNO, NOSTRE, DECO, DECO LUX, HARMONY, SUBLIME, VILANO, VERTIGO, FIORD, MODERN, MODENA, HAPTIC, SUBITO.

recuperation shortening for ARCO, SEDO, MODO, VERI, EGRO, FIORI, FORTIMO, MONA, SEMPRE, SEMPRE LUX, FORTIMO LUX doors (standard heights only)

The door leaves are 15 mm shorter than the standard height, i.e. 2005 mm (rebated system) and 2025 mm (non-rebated system and outward-opening HARMONY), 2035 mm (inward-opening HARMONY), the door frame remains of the standard height.



The door compatible with a recuperation system is available at a standard door price.

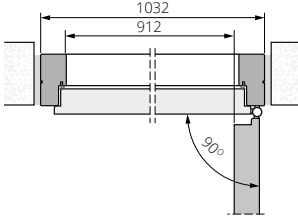


recuperation trim in CAMBIO door, pattern 00, SYSTEM DIN adjustable frame

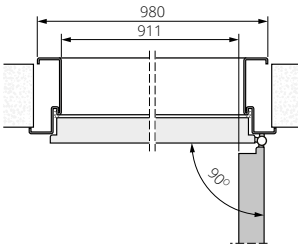
IMPORTANT USER INFORMATION ON WIDTH 90 PLUS

FR EI30, EI30 PLUS EI60 PLUS

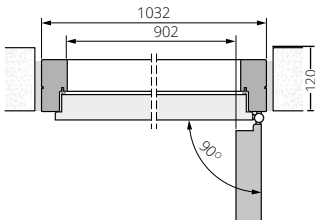
wooden door frame
FR EI30, EI30 PLUS



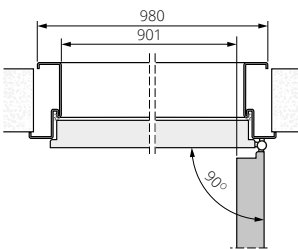
fixed metal door frame
EI30 PLUS



wooden door frame
EI60 PLUS

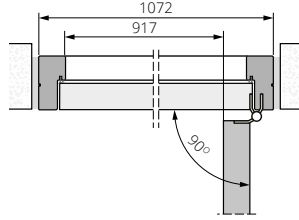


fixed metal door frame
EI60 PLUS

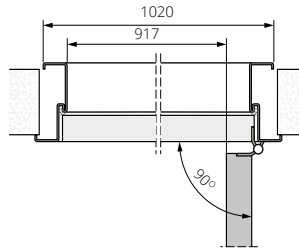


EI30 PLUS, EI60 PLUS

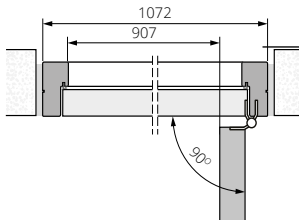
wooden door frame
non-rebated EI30 PLUS



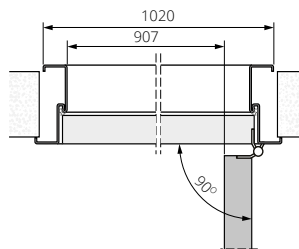
metal fixed door frame
non-rebated EI30 PLUS



wooden non-rebated
door frame EI30 PLUS

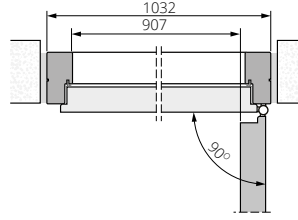


metal fixed non-rebated
door frame EI30 PLUS

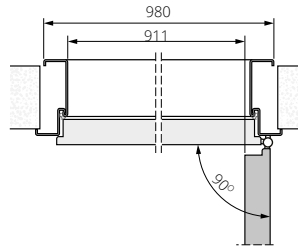


B-30, C-30, SR 37 dB, RC3, FR EI30, SR 42 dB

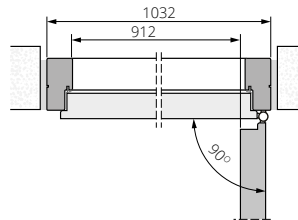
wooden door frame
B-30, C-30



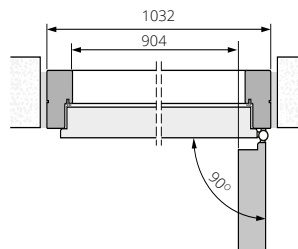
metal door frame
RC3, RC4



wooden door frame
RC3

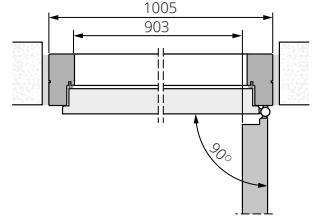


wooden door frame
FR EI30, SR 42 dB

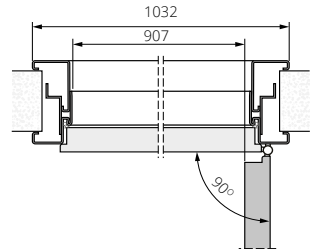


CERBER PLUS, DECO INVEST

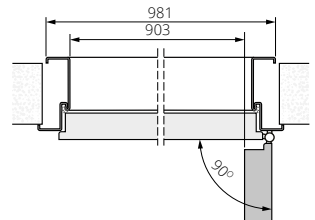
wooden door frame
CERBER PLUS



metal door frame
DECO INVEST

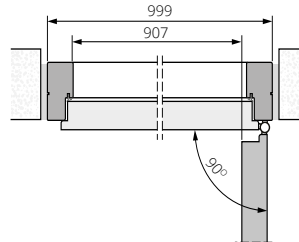


metal door frame
CERBER PLUS

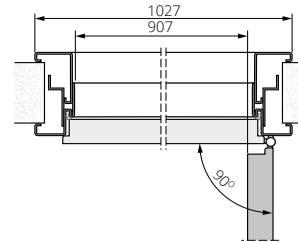


SOUNDPROOF, TYPE A, TYPE B, INTERIOR

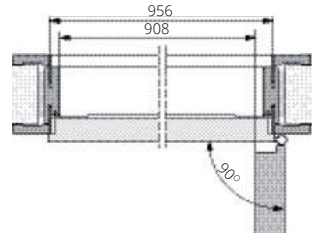
wooden door frame
TYPE A, B, interior
with class 3 mechanical strength,
interior



metal door frame
TYPE A, B, interior

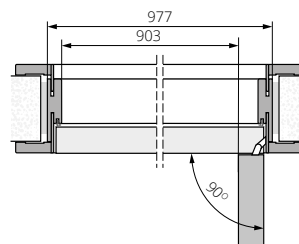


door frame ZP
TYPE A, B, interior
with class 3 mechanical strength,
interior

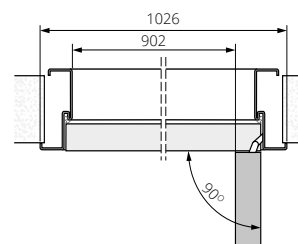


DUO INTERIOR DOOR

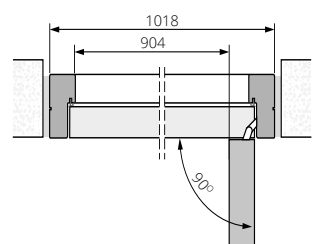
door frame ZD



metal door frame

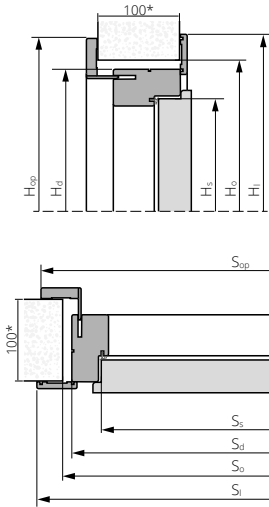


wooden DUO door frame
TYPE A, B, interior non-rebated



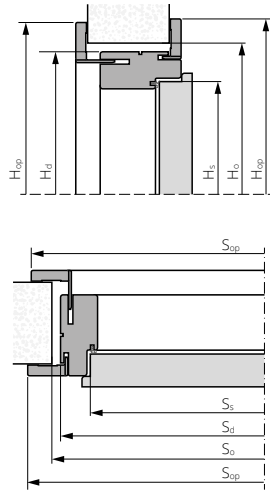
TECHNICAL DIMENSIONS

FR EI30, EI 30 PLUS, EI 60 PLUS, B-30, C-30, RC3, SR 37 dB, SR 42 dB, CERBER PLUS, GAMMA WOODEN DOOR FRAME

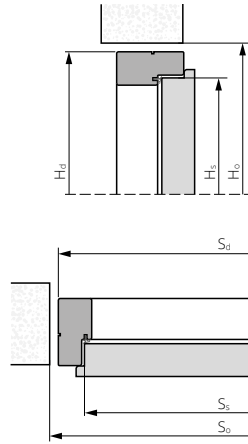


FR EI30 (TWO-SIDED ADJUSTMENT)

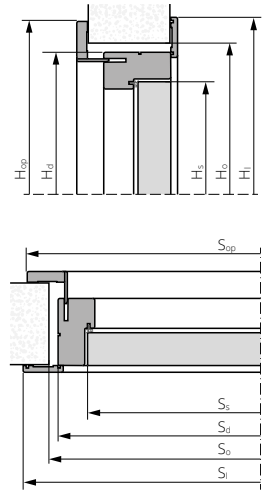
SOUND-PROOF TYPE A, B WOODEN DOOR FRAME



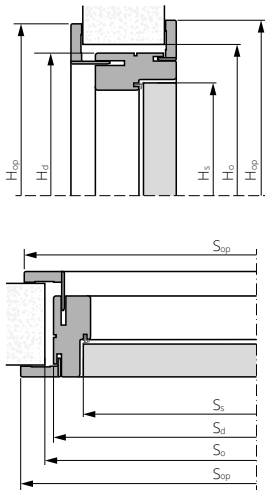
SOUND-PROOF TYPE A, B FIXED WOODEN DOOR FRAME



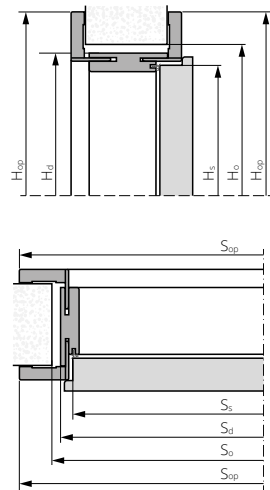
EI30 PLUS, EI60 PLUS WOODEN DOOR FRAME



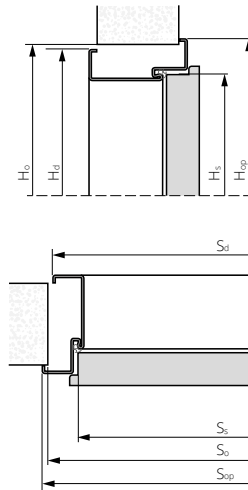
SOUND-PROOF TYPE A, B WOODEN NON-REBATED DOOR FRAME



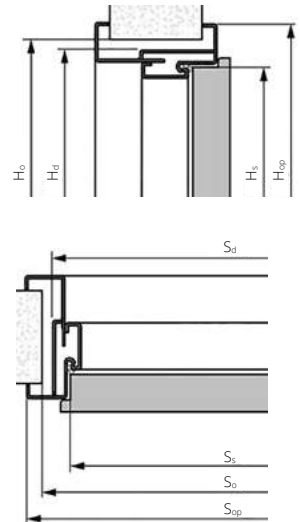
SOUND-PROOF TYPE A, B DIN ZP ADJUSTABLE DOOR FRAME



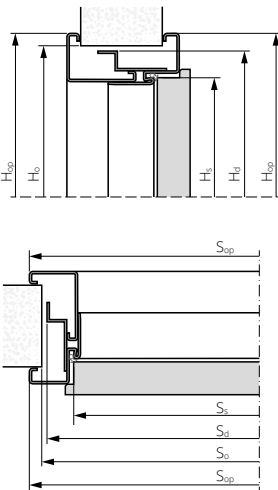
EI30 PLUS, EI60 PLUS, RC3, RC4, GAMMA, DECO INVEST, CERBER PLUS FIXED METAL DOOR FRAME



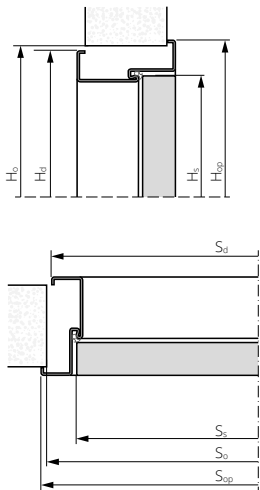
EI30 PLUS, EI60 PLUS ADJUSTABLE METAL DOOR FRAME



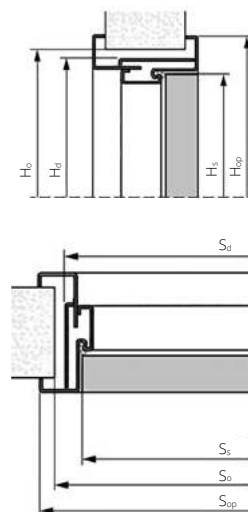
SOUNDPROOF TYPE A, B, DECO INVEST, GAMMA ADJUSTABLE METAL DOOR FRAME



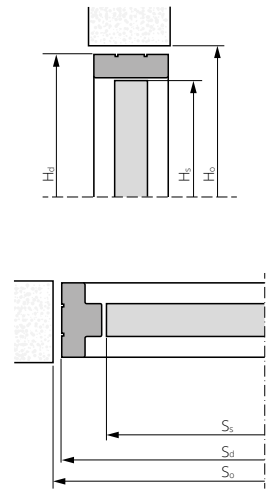
EI30 PLUS, EI60 PLUS, HIGRO FIXED METAL DOOR FRAME



EI30 PLUS, EI60 PLUS ADJUSTABLE METAL DOOR FRAME



SWING DOOR FIXED WOODEN DOOR FRAME



* in case of EI60 PLUS door, width of 120 mm

TECHNICAL DIMENSIONS

Door type	Door frame type	Size	Ss	Hs	Sd	Hd	Sop Sc	Hop Hc	Sop with panel	Hop with panel	Sl	HI	So	Ho		
FIRE DOOR	EI30 PLUS EI60 PLUS rebated version	wooden	"60"	624	2026	712	2075	806	2121	816	2126	823	2130	740	2090	
			"70"	724		812		906		916		923		840		
			"80"	824		912		1006		1016		1023		940		
			"90"	924		1012		1106		1116		1123		1040		
			"90" plus	944		1032		1126		1136		1143		1060		
			"100"	1024		1112		1206		1216		1223		1140		
			"90"+"90"	924 936		1952		2046		2056		2063		1980		
			"100"+"100"	1024 1036		2152		2246		2256		2263		2180		
	metal adjustable	"60"	624	2026	661	2038	724	2081	-	-	-	-	-	-	665*	2055
		"70"	724		761		824		-		-		765*			
		"80"	824		861		924		-		-		865*			
		"90"	924		961		1024		-		-		965*			
		"90" plus	944		981		1044		-		-		985*			
		"100"	1024		1061		1124		-		-		1065*			
		"90"+"90"	924 936		1899		1962		-		-		1905*			
		"100"+"100"	1024 1036		2099		2162		-		-		2105*			
	fixed metal	"60"	624	2026	660	2049	704	2071	-	-	-	-	-	-	680*	2060
		"70"	724		760		804		-		-		780*			
		"80"	824		860		904		-		-		880*			
		"90"	924		960		1004		-		-		980*			
		"90" plus	944		980		1024		-		-		1000*			
		"100"	1024		1060		1104		-		-		1080*			
		"90"+"90"	924 936		1898		1942		-		-		1920*			
		"100"+"100"	1024 1036		2098		2142		-		-		2120*			
	FR EI30	wooden	"60"	624	2026	712	2075	806	2121	816	2126	823	2130	740	2090	
			"70"	724		812		906		916		923		840		
			"80"	824		912		1006		1016		1023		940		
			"90"	924		1012		1106		1116		1123		1040		
			"90" plus	944		1032		1126		1136		1143		1060		
			"100"	1024		1112		1206		1216		1223		1140		
			"90"+"90"	924 936		1952		2046		2056		2063		1980		
			"100"+"100"	1024 1036		2152		2246		2256		2263		2180		
	FR EI30 double-sided adjustment	wooden	"60"	624	2026	712	2075	806	2121	816	2126	815	2125	740	2090	
			"70"	724		812		906		916		915		840		
			"80"	824		912		1006		1016		1015		940		
			"90"	924		1012		1106		1116		1115		1040		
"90" plus			944	1032		1126		1136		1135		1060				
"100"			1024	1112		1206		1216		1215		1140				
"90"+"90"			924 936	1952		2046		2056		2055		1980				
"100"+"100"			1024 1036	2152		2246		2256		2255		2180				
EI30 Plus EI60 Plus non-rebated version	wooden	"60"	625	2026	712	2075	806	2121	816	2126	823	2130	740	2090		
		"70"	725		812		906		916		923		840			
		"80"	825		912		1006		1016		1023		940			
		"90"	925		1012		1106		1116		1123		1040			
		"90" plus	985		1072		1166		1176		1183		1100			
		"100"	1025		1112		1206		1216		1223		1140			
		"90"+"90"	925 925		1930		2024		2034		2041		1960			
		"100"+"100"	1025 1025		2130		2224		2234		2241		2160			
	metal adjustable	"60"	625	2026	660	2045	724	2081	-	-	-	-	-	-	665*	2055
		"70"	725		760		824		-		-		765*			
		"80"	825		860		924		-		-		865*			
		"90"	925		960		1024		-		-		965*			
		"90" plus	985		1020		1084		-		-		1025*			
		"100"	1025		1060		1124		-		-		1065*			
		"90"+"90"	925 925		1876		1940		-		-		1880*			
		"100"+"100"	1025 1025		2076		2140		-		-		2080*			
	fixed metal	"60"	625	2026	660	2049	724	2081	-	-	-	-	-	-	680*	2060
		"70"	725		760		824		-		-		780*			
		"80"	825		860		924		-		-		880*			
		"90"	925		960		1024		-		-		980*			
		"90" plus	985		1020		1084		-		-		1040*			
		"100"	1025		1060		1124		-		-		1080*			
		"90"+"90"	925 925		1876		1940		-		-		1896*			
		"100"+"100"	1025 1025		2076		2140		-		-		2096*			
FR EI30 SR	wooden	"60"	625	2025	712	2075	806	2121	816	2126	823	2130	740	2090		
		"70"	725		812		906		916		923		840			
		"80"	825		912		1006		1016		1023		940			
		"90"	925		1012		1106		1116		1123		1040			
		"90" plus	985		1072		1166		1176		1183		1100			
"100"	1025	1112	1206	1216	1223	1140										
INTERIOR ENTRANCE DOOR	B-30 C-30 RC3	wooden	880	792	2022	880	2075**	974	2121	984	2126	991	2130	910	2090	
			980	892		980		1074		1084		1091		1010		
			"90"	924		1012		1106		1116		1123		1040		
			"90" plus	944		1032		1126		1136		1143		1060		
	"100"	1024	1112	1206	1216	1223	1140									
	RC 3 INVEST	fixed metal	"80"	824	2022	860	2049	924	2077	-	-	-	-	885	2060	
			"90"	924		960		1024		-		-		1005		
			"90" plus	944		980		1044		-		-		1085		
	"100"	1024	1060	1124	-	-	1105									
	RC4 RC4 EI30	fixed metal	"80"	824	2022	860	2044	904	2066	-	-	-	-	880*	2054	
			"90"	924		960		1004		-		-		980*		
			"90" plus	944		980		1024		-		-		1000*		
"100"	1024	1060	1104	-	-	1080*										
CERBER PLUS	fixed wooden	"80"	818	2020	895	2067	988	2114	998	2119	1001	2120	925	2080		
		"90"	918		995		1088		1098		1101		1025			
		"90" plus	928		1005		1098		1108		1111		1035			
"100"	1018	1095	1188	1198	1201	1125										
CERBER PLUS RC2	metal	"80"	818	2020	871	2055	917	2078	-	-	-	-	885	2060		
		"90"	918		971		1017		-		-		985			
		"90" plus	928		981		1027		-		-		995			
"100"	1018	1071	1117	-	-	1085										
RC 3 INVEST 37dB	metal	"80"	824	2026	874	2057	920	2080	-	-	-	-	900	2065		
		"90"	924		974		1020		-		-		1000			
		"90" plus	944		994		1040		-		-		1020			
"100"	1024	1074	1120	-	-	1100										

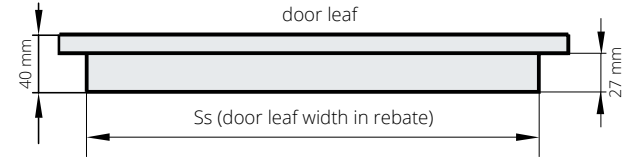
TECHNICAL DIMENSIONS

Door type	Door frame type	Size	Ss	Hs	Sd	Hd	Sop Sc	Hop Hc	Sop with panel	Hop with panel	SI	HI	So	Ho	
ACOUSTIC DOORS	SR 37 dB	wooden	"80"	824	2022	912	1006	2121	1016	2126	1023	2130	940	2090	
			"90"	924		1012	1106		1116		1123		1040		
			"100"	1024		1112	1206		1216		1223		1140		
	AKUSTIC 42 dB	fixed metal	"80"	824	2026	876	922	2080	-	-	-	-	895	2070	
			"90"	924		976	1022		-		-		995		
			"90" plus	944		996	1042		-		-		1015		
		metal adjustable	"100"	1024	1076	1122	-	-	1095						
			"80"	824	891	922	-	-	900						
			"90"	924	991	1022	-	-	1000						
	TYPE A TYPE B - rebated version	metal adjustable	"90" plus	944	2026	1011	1042	2080	-	-	-	-	1010	2070	
			"100"	1024		1091	1122		-		-		1100		
			"80"	818		884	917		-		-		889		
			"90"	918		984	1017		-		-		989		
		adjustable	"90" plus	928	994	1027	-	-	999						
			"100"	1018	1084	1117	-	-	1089						
			"80"	818	895	988	998	998	915						
			"90"	918	995	1088	1098	1098	1015						
		adjustable wooden	"90" plus	928	1005	1098	1108	1108	1025						
			"100"	1018	1095	1188	1198	1198	1115						
			"80"	818	889	-	-	-	910						
			"90"	918	989	-	-	-	1010						
		fixed wooden	"90" plus	928	999	-	-	-	1020						
			"100"	1018	1089	-	-	-	1110						
			"80"	818	846	946	-	-	875						
			"90"	918	946	1046	-	-	975						
		DIN adjustable	"90" plus	928	956	1056	-	-	985						
			"100"	1018	1046	1146	-	-	1075						
	"80"		825	893	1026	1036	1036	915							
	"90"		925	993	1126	1136	1136	1015							
	TYPE A Duo TYPE B Duo - non-rebated version	adjustable wooden	"90" plus	950	2040	1018	1151	2149	1161	2154	1161	2154	1040	2095	
			"100"	1025		1093	1226		1236		1236		1115		
			"90"+"90"	925 925		1908	2041		2051		2051		1930		
			"100"+"100"	1025 1025		2108	2241		2251		2251		2130		
		fixed wooden	"80"	825	893	-	-	-	915						
			"90"	925	993	-	-	-	1015						
			"90" plus	950	1018	-	-	-	1040						
			"100"	1025	1093	-	-	-	1115						
		HIGRO	metal	"80"	825	2042	872	902	2088	-	-	-	-	885	2080
				"90"	925		972	1002		-		-		985	
				"90" plus	950		997	1027		-		-		1010	
"100"				1025	1072		1102	-		-		1085			
GAMMA	wooden	"80"	818	2020	895	988	2114	998	2119	1001	2120	915	2080		
		"90"	918		995	1088		1098		1101		1015			
		"100"	1018		1095	1188		1198		1201		1115			
		"110"	1118		1195	1288		1298		1301		1215			
		"90" + "90"	918 931		1930	2023		2033		2036		1950			
		"100" + "100"	1018 1031		2130	2223		2233		2236		2150			
	metal adjustable	"110" + "110"	1118 1131	2330	2423	2433	2436	2350							
		"80"	818	884	917	-	-	890							
		"90"	918	984	1017	-	-	990							
		"100"	1018	1084	1117	-	-	1090							
		"110"	1118	1184	1217	-	-	1190							
		"90" + "90"	918 931	1925	1951	-	-	1925							
	fixed metal	"100" + "100"	1018 1031	2125	2151	-	-	2125							
		"110" + "110"	1118 1131	2225	2351	-	-	2325							
		"80"	818	871	897	-	-	881							
		"90"	918	971	997	-	-	981							
		"100"	1018	1071	1097	-	-	1081							
		"110"	1118	1171	1197	-	-	1181							
DECO INVEST	fixed metal	"90" + "90"	918 931	2020	1905	1931	2068	-	-	-	-	1915	2060		
		"100" + "100"	1018 1031		2105	2131		-		-		2115			
		"110" + "110"	1118 1131		2305	2331		-		-		2315			
		"70"	721		774	800		-		-		785			
		"80"	821		874	900		-		-		885			
		"90"	921		974	1000		-		-		985			
	metal adjustable	"90" plus	931	984	1010	-	-	995							
		"100"	1021	1074	1100	-	-	1085							
		"110"	1121	1174	1200	-	-	1185							
		"90" + "90"	921 934	1908	1934	-	-	1918							
		"100" + "100"	1021 1034	2108	2134	-	-	2118							
		"80"	821	888	920	-	-	892							
fixed wooden	"90"	921	988	1020	-	-	992								
	"90" plus	931	998	1030	-	-	1002								
	"100"	1021	1088	1120	-	-	1092								
	"110"	1121	1188	1220	-	-	1192								
	"90" + "90"	921 934	1922	1954	-	-	1925								
	"100" + "100"	1021 1034	2122	2154	-	-	2125								
SWING DOOR	fixed wooden	"60"	644	2033	769	-	2076	-	-	-	-	795	2090		
		"70"	744		869	-		-		895					
		"80"	844		969	-		-		995					
		"90"	944		1069	-		-		1095					
		"60" + "60"	644 644		1418	-		-		1445					
		"70" + "70"	744 744		1618	-		-		1645					
		"80" + "80"	844 844		1818	-		-		1845					
		"90" + "90"	944 944		2018	-		-		2045					

** door for a height of 2000 mm and 1950 mm is available
 Ss - door leaf width
 Hs - door leaf height
 Sd - door width
 Hd - door height
 Sop - door width on the external side of architrave 60 mm
 Hop - door height on the external side of architrave 60 mm

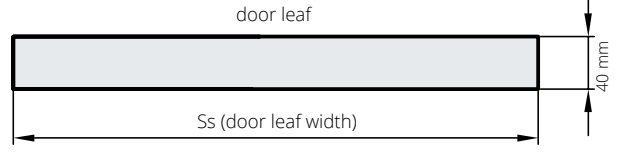
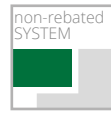
* in-wall cavities for cover boxes are required
 Sop with panel - width on the external side of the architrave for ranges with widening panel
 Hop with panel - height on the external side of the architrave for ranges with widening panel
 SI - door width at architraves/strips 60 mm on the hinge side
 HI - door height at architraves/strips 60 mm on the hinge side
 So - suggested width of the installation opening
 Ho - suggested height of the installation opening

DIMENSIONS OF INTERIOR DOOR LEAVES



the rebated door leaves fit all door frames which comply with the industry standards

width (Ss)				height in rebate
618	718	818	928*	2020 (mm)

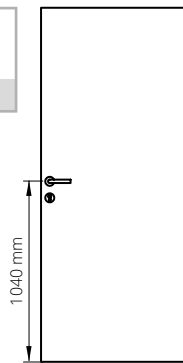


width (Ss)					height
625	725	825	925	950*	2040 (mm)

*width "90 plus"

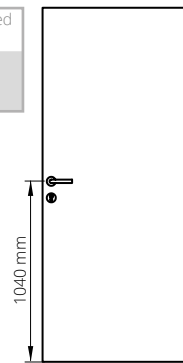
Full range of dimensions of interior doors with door frames - p. 210-231

HANDLE HEIGHT



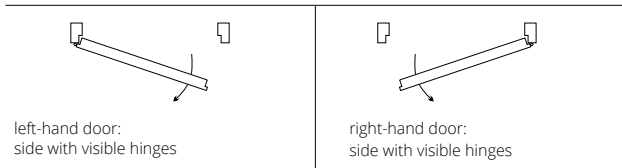
Height of handle for the rebated door standard height - 1040 mm from the door leaf bottom edge

SYMMETRY ABOVE ALL
UNIFORM HEIGHT OF HANDLE IN REBATED AND NON-REBATED SYSTEM

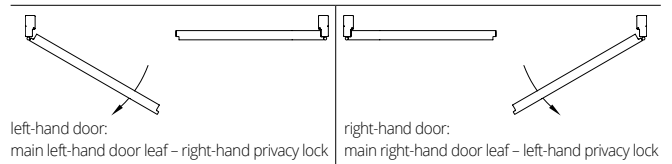


Height of handle for the non-rebated door standard height - 1040 mm from the door leaf bottom edge

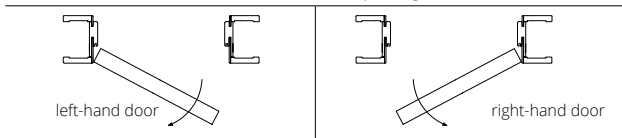
single-leaf rebated door - opening directions



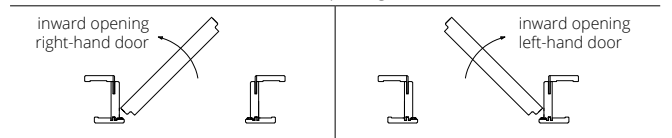
double-leaf rebated door - opening directions



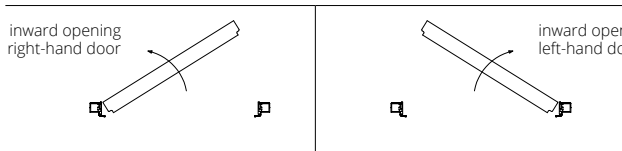
non-rebated DUO door - opening directions



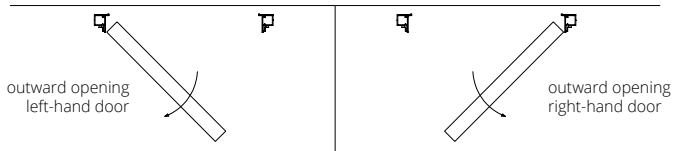
REVES door - opening directions



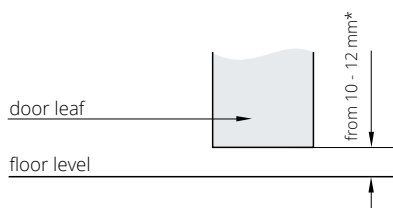
HARMONY door - opening directions



HARMONY door - opening directions

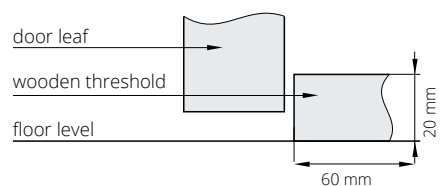


CLEARANCE BETWEEN LEAF AND FLOOR



*the clearance for the HARMONY door leaves is 7 mm

version with the Swiss threshold (optional)



Dimensions of interior entrance doors and exterior doors are provided on pages dedicated to the particular door models.

COLOURS

ECO TOP

Surface finish as a perfect combination of price and quality for long-lasting domestic use. in households.

HIGH TOP

ECO TOP surface finish with additional real wood grain effect.

UNI MAT PLUS

reinforced surface with silky tactile experience and special fingerprint-proof coating

LAMISTONE CPL

Surface finish with protective coating for resistance to wear and chemicals. Recommended for public utility buildings and used in door carpentry intensive service conditions, e.g. in hotels and offices.

SILKSTONE

LAMISTONE CPL surface finish with additional unique real wood grain effect

SILKSTONE CPL 0.5 mm

Surface finish featuring the properties and resistance of LAMINATE CPL 0.5 with additional unique real wood grain effect. Recommended for public utility buildings and used in door carpentry intensive service conditions, e.g. in hotels and offices.

LAMINATED

Highly resistant surface finish recommended for public utility buildings and used in heavy conditions in which door systems are used, e.g. in hotels and offices. * Difference in colour shades of door leaves and door frames are permissible.

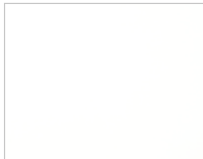
VENEERED

The VENEERED doors are coated with environment-friendly UV varnish It is certainly more resistant to scratches and light than standard varnishes even when laid in multiple layers. The actual colour shades and wood grain of veneers may vary since natural veneers have been used.

PAINTED

Environment-friendly acrylic paints, RAL and NCS colours* (except metallic ones) – available at an extra charge according to the colour specification table for particular models.

ECO TOP



120 white



121 oak



132 walnut



141 salonas oak



158 honey oak



160 sonoma oak



161 halif oak

HIGH TOP



148 coffee ash

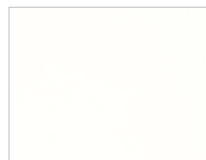
UNI MAT PLUS



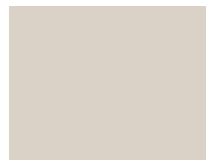
640 graphite



641 titano



642 white



643 beige



644 black



645 lava



646 stone



647 indigo



648 moss



649 sage

* colours available subject to consultation with the Sales Department
The actual colours may vary from the colours printed in this catalogue. Differences in colour shades of door leaves, door frames and spacer frames are acceptable.

LAMISTONE CPL



231 half oak



240 whitewashed elm V



241 sand elm V



242 grey elm V



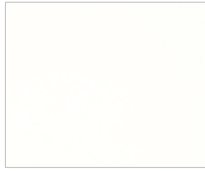
243 delano oak



244 black



250 terra oak



258 white



260 white oak



263 premium walnut



265 wenge



289 grey



531 anthracite



232 segato walnut



213 superwhite



233 salinas oak

LAMISTONE CPL



210 filo



211 fibra



212 lino

new unique CPL 0.15 surface with a texture of linen fabric interwoven with metallic shine

SILKSTONE



230 gran oak



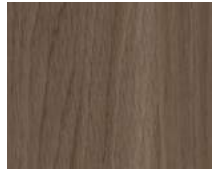
254 Royal anthracite H



255 Polish ash H



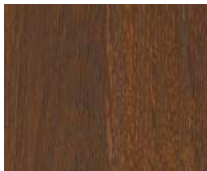
276 Polish oak



293 Royal anthracit



294 Royal ash



295 Royal merbau



297 Royal nugat*

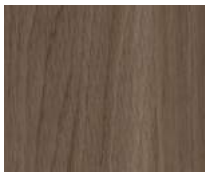


299 Royal ash H

SILKSTONE CPL 0.5 mm*



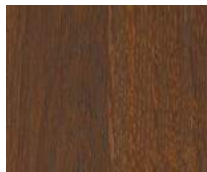
976 Polish oak



993 Royal anthracit



994 Royal ash

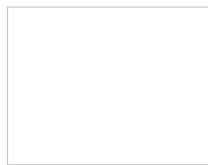


995 Royal merbau

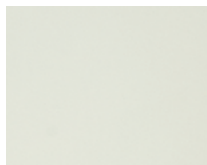


997 Royal nugat*

**LAMINATED
CPL 0.2 mm**



820 white



222 grey



225 terra oak



227 delano oak



229 oak



280 halif oak



821 anthracite



844 black



849 industry 3**



863 premium walnut

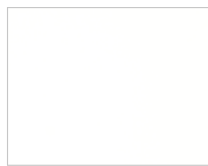


228 segato walnut



833 salinas oak

**LAMINATED
CPL 0.5 mm***



945 white structure



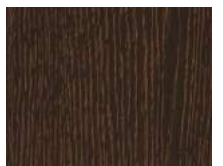
252 oak



922 grey structure



926 anthracite structure



965 wenge



963 premium walnut



946 black structure

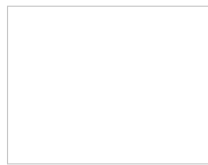


961 halif oak



933 salinas oak

**LAMINATED
CPL 0.7 mm***



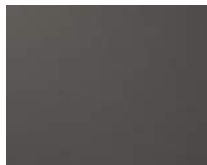
745 white structure



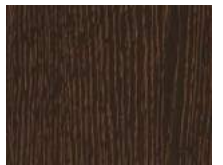
722 grey structure



779 oak



726 anthracite structure



765 wenge



763 premium walnut



746 black structure



761 halif oak



733 salinas oak

**LAMINATED
HPL***



0010



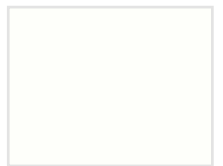
0075



0077



0080



0085



0717



0730



0743



0747



0753

* colours available subject to consultation with the Sales Department

** colours are subject to availability

The actual colours may vary from the colours printed in this catalogue. Differences in colour shades of door leaves, door frames and spacer frames are acceptable.

**VENEERED
GROUP A**



312 limba



334 European oak

**VENEERED
GROUP B**



323 rustikal oak



340 ebony



351 marrone*



390 natural walnut



404 dark walnut



405 light walnut



421 cappuccino



422 mokka

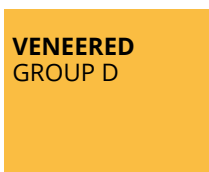


424 teak

**VENEERED
GROUP C**



370 whitewashed oak



311 light walnut*



313 classic oak



460 makassar

SILKWOOD

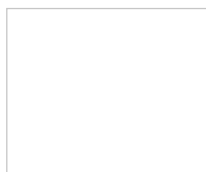


450 white matt

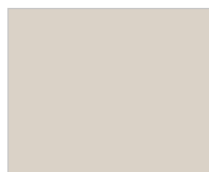


451 black matt

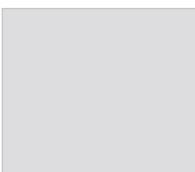
PAINTED



001 white (RAL 9003)



0M6 beige matt
(NCS S 2005 Y50R)



0M5 grey matt
(RAL 7047)



RAL and NCS colours**

BLACK



002 black (RAL 9005)



0M7 sage matt
(NCS S 4010-G50Y)

* colours available subject to consultation with the Sales Department
* NCS colours available subject to consultation with the Sales Department

The samples and colour charts available on the market are to be considered as purely illustrative. They may differ slightly from the final painting effect and cannot provide grounds for a complaint unless the colour/painting has been approved in advance in consultation with the manufacturer. In order to verify the actual colour, a sample painting must be ordered/prepared.

RAL SYSTEM classification of colours according to the colour intensity grade (except metal frames). RAL system colours for metal door frames - p. 223

GROUP I extra charge according to the extra charge table

6020 7002 7042 8000 9000 9002 9003 9011 9017

GROUP II extra charge according to the extra charge table

1000 1001 1002 1012 1014 1015 1020 4002 5001 5007 5008 5009 5010 5012 5015 5017 5019 5022 5024 6000 6001 6004 6007 6009 6012 6013 6014 6015 6021 6022 6026 6028 6029 6032 6034 7000 7001 7003 7004 7005 7006 7008 7009 7010 7011 7012 7013 7015 7022 7023 7024 7026 7030 7031 7032 7033 7034 7035 7036 7037 7038 7039 7040 7043 7044 7045 7046 7047 8001 8003 8007 8008 8011 8014 8015 8016 8017 8019 8022 8025 8027 8028 9001 9005 9010 9016 9018

GROUP III extra charge according to the extra charge table

1011 1027 3009 3012 3014 3015 5004 5014 5018 5021 6002 6006 6010 6017 6018 6025 6027 6033 8004 8012 9004

GROUP IV extra charge according to the extra charge table

1013 3007 4001 4003 4005 4008 4009 5000 5002 5003 5023 6003 6011 6019 6031 8024

GROUP V extra charge according to the extra charge table

1003 1004 1005 1006 1007 1016 1017 1018 1019 1021 1023 1024 1028 1032 1033 1034 1037 2000 2001 2002 2003 2004 2008 2009 2010 2011 2012 3000 3001 3002 3003 3004 3005 3011 3013 3016 3017 3018 3020 3022 3027 3028 3031 4004 4006 4007 4010 5005 5011 5013 5020 6005 6008 6016 6024 6037 7016 7021 8002 8023

The actual colours may vary from the colours printed in this catalogue. Differences in colour shades of door leaves, door frames and spacer frames are acceptable.

HPL LAMINATES

HPL laminate, thickness: 1 mm, FH structure.

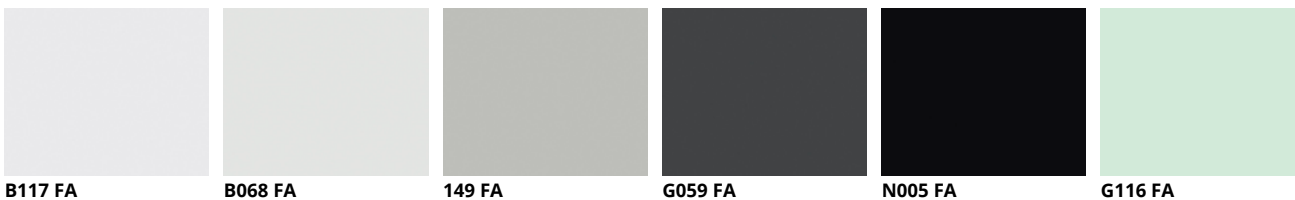
UNI laminate code	The approximate RAL/NCS equivalent suggested is not 100% compatible	Wooden door frame and edging; metal door frame	Metal door frame	extra charge	
				"60"- "100"	"110"- "120"
0010	RAL 1023	door frame painted, edging painted	RAL 1023, edge painted	individual pricing depending on width, height and quantity of doors	
0075	RAL 7037	door frame painted, edging painted	RAL 7037, painted edge		
0077	RAL 7024	door frame painted, edging painted or Lamistone 531 option, anthracite edging	RAL 7024, edge painted		
0080	RAL 9005	door frame painted, edging painted or Lamistone 244 option, black edging	RAL 9005, edge painted		
0085	RAL 9016	door frame painted, edging painted Lamistone 258 option, white edging	RAL 9003, edge painted		
0717	RAL 5015	door frame painted, edging painted	RAL 5015, edge painted		
0730	RAL 7035/RAL 7047	door frame painted, edging painted or Lamistone 289 option, grey edging	RAL 7035/RAL 7047, edging painted		
0743	RAL 7044	door frame painted, edging painted	RAL 7044, edge painted		
0747	RAL 7030	door frame painted, edging painted	RAL 7030, edge painted		
0753	RAL 7045	door frame painted, edging painted	RAL 7045, edge painted		

COLOUR UNI MAT PLUS	EQUIVALENT TO RAL/NCS S (SUGGESTED) NOT 100% COMPATIBLE
BIALY 642	RAL 9003
BEŽ 643	NCS S 2005 Y50R
GRAFITE 640	RAL 7024
TITANO 641	RAL 7037
LAVA 645	7013 or 7006
STONE 646	RAL 1019
INDIGO 647	RAL 5011
MOSS 648	RAL 6012
SAGE 649	NCS S 4010 G50Y

AVAILABILITY OF EDGING IN THE RAL OR NCS PAINTED COLOURS to be priced individually
 applies to laminated doors (extra charge added to 1 piece)

HPL LAMINATES WITH ANTIBACTERIAL COATING

All HPL POLYREY SANITIZED laminates are subject to antimicrobial silver-ion core treatment to ensure their long-lasting antimicrobial properties which are very important in the health and catering industries and in public spaces. The doors in the unique coating are dedicated to **hospitals and medical facilities**.



UNI laminate code	The approximate RAL/NCS equivalent suggested is not 100% compatible	Wooden door frame and edging; metal door frame	Metal door frame	extra charge to 1 door with the CPL 0.2 mm surface	
				"60"- "90"	"100"- "110"
B117 FA	RAL 9003	door frame painted, edging painted	RAL 9003, edging painted or white	individual pricing depending on width, height and quantity of doors	
B068 FA	RAL 9016	door frame painted, edging painted or option LAMISTONE 258, white edging	RAL 9016, edging painted or white		
149 FA	RAL 7035	door frame painted, edging painted or option LAMISTONE 289, grey edging	RAL 7035/RAL 7047, edging painted		
G059 FA	RAL 7024	door frame painted, edging painted or LAMISTONE 531 option, anthracite edging	RAL 7024, edge painted		
N005 FA	RAL 9005	door frame painted, edging painted or option LAMISTONE 244, black edging	RAL 9005, edging painted or black edging		
G116 FA	RAL 7035 / RAL 7047	door frame painted, edging painted or option LAMISTONE 289, grey edging	RAL 7035/RAL 7047, edging painted		

STANDARD PARAMETERS

CLASS OF MECHANICAL STRENGTH			BURGLARY-RESISTANCE				FIRE RESISTANCE		SMOKE CONTROL	ACOUSTIC INSULATION				SPECIALISED		MECHANICAL DURABILITY			
class 2	class 3	class 4	class RC2	class RC3	class RC4	class C	EI30	EI60	Sa, S ₂₀₀	27 dB	32 dB	37 dB	42 dB	climate class 3	RTG	20,000 cycles	50,000 cycles	100,000 cycles	200,000 cycles

INTERIOR

PANEL TYPE	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
RAIL AND STILE TYPE	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DECO INVEST SINGLE-LEAF DOOR	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
DECO INVEST DOUBLE-LEAF DOOR	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

INTERIOR ENTRANCE DOOR

HARMONY INVEST	○	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
HARMONY INVEST PRO	○	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
B-30	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○
C-30	○	○	○	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CERBER PLUS RC2	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
RC3, RC3 INVEST	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
RC4	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
RC4 EI30	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
CERBER PLUS	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
RC3 INVEST 37 dB	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

TECHNICAL

G46	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
FR EI30	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
FR EI30 SR	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
FR EI30 SR 42 dB	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
FR EI30 SR 42 dB DM	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
EI30 PLUS	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
EI60 PLUS	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
AKUSTIK SR 42 dB	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
SR 37 dB	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TYPE A	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TYPE B	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TYP A DUO	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
TYP B DUO	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
HIGRO	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
GAMMA	○	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

* HARMONY INVEST PRO ODW

● available ○ unavailable ◐ optional

MOST COMMONLY USED FRAMES



ADJUSTABLE REBATED DOOR FRAMES

DIN SYSTEM

symbol	range [mm]	HIGH TOP			BLACK black, sage
		LAMISTONE CPL	PAINTED white	PAINTED grey, beige	
		SILKSTONE			
		UNI MAT PLUS			
ZP2	95-120				
ZP3	120-140				
ZP4	140-160				

SUGGESTED INSTALLATION HOLES	WIDTH		HEIGHT
	type	So	Ho
	"70"	776	2053
"80"	876		

Tolerance of dimensions ±1 mm
So - installation opening width
Ho - installation opening height

AQUA DIN

symbol	range [mm]	HIGH TOP			BLACK black, sage
		LAMISTONE CPL	PAINTED white	PAINTED grey, beige	
		SILKSTONE			
		UNI MAT PLUS			
ZP2	95-120				
ZP3	120-140				
ZP4	140-160				

SUGGESTED INSTALLATION HOLES	WIDTH		HEIGHT
	type	So	Ho
	"70"	776	2053
"80"	876		

Tolerance of dimensions ±1 mm
So - installation opening width
Ho - installation opening height



ADJUSTABLE NON-REBATED DOOR FRAMES

SYSTEM DIN DUO

symbol	range [mm]	HIGH TOP			BLACK black, sage
		LAMISTONE CPL	PAINTED white	PAINTED grey, beige	
		SILKSTONE			
		UNI MAT PLUS			
ZD4	95-120				
ZD5	120-140				
ZD6	140-160				

SUGGESTED INSTALLATION HOLES	WIDTH		HEIGHT
	type	So	Ho
	"70"	790	2075
"80"	890		

Tolerance of dimensions ±1 mm
So - installation opening width
Ho - installation opening height

AQUA DIN DUO

symbol	range [mm]	HIGH TOP			BLACK black, sage
		LAMISTONE CPL	PAINTED white	PAINTED grey, beige	
		SILKSTONE			
		UNI MAT PLUS			
ZD4	95-120				
ZD5	120-140				
ZD6	140-160				

SUGGESTED INSTALLATION HOLES	WIDTH		HEIGHT
	type	So	Ho
	"70"	790	2075
"80"	890		

Tolerance of dimensions ±1 mm
So - installation opening width
Ho - installation opening height

full range of rebated and non-rebated door frames available on pages 210-231



HIDDEN DOOR FRAMES

HARMONY SYSTEM

door leaf dimensions and number of hinges	for do-it-yourself painting (raw aluminium)	anodised aluminium	PAINTED white, grey, beige white hinges			BLACK black, sage black hinges		
			SUGGESTED INSTALLATION HOLES	WIDTH			HEIGHT	
			type	So	Sd*	Sd**	Ho	Hd
"60"- "80" x 2040 / 2050 mm (2 hidden hinges)			"70"	810	793	796	2090*	2082*
"90"- "100" x 2040 / 2050 mm (3 hidden hinges)			"80"	910	893	896	2100**	2092**
"60"- "100" x 2140 / 2150 mm (3 hidden hinges)								
"60"- "100" x 2240 / 2250 mm (3 hidden hinges)								
"60"- "100" x 2340 / 2350 mm (4 hidden hinges)								
"60"- "100" x 2440 / 2450 mm (4 hidden hinges)								

* outward opening door ** inward opening door;

Tolerance of dimensions ±1 mm
Sd - door width on the door frame external side
So - installation opening width
Hd - door height on the external side of the door frame
Ho - installation opening height

Full range of hidden door frames available on page 11