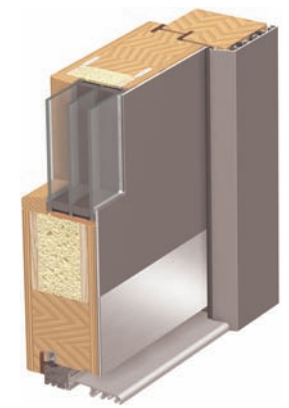


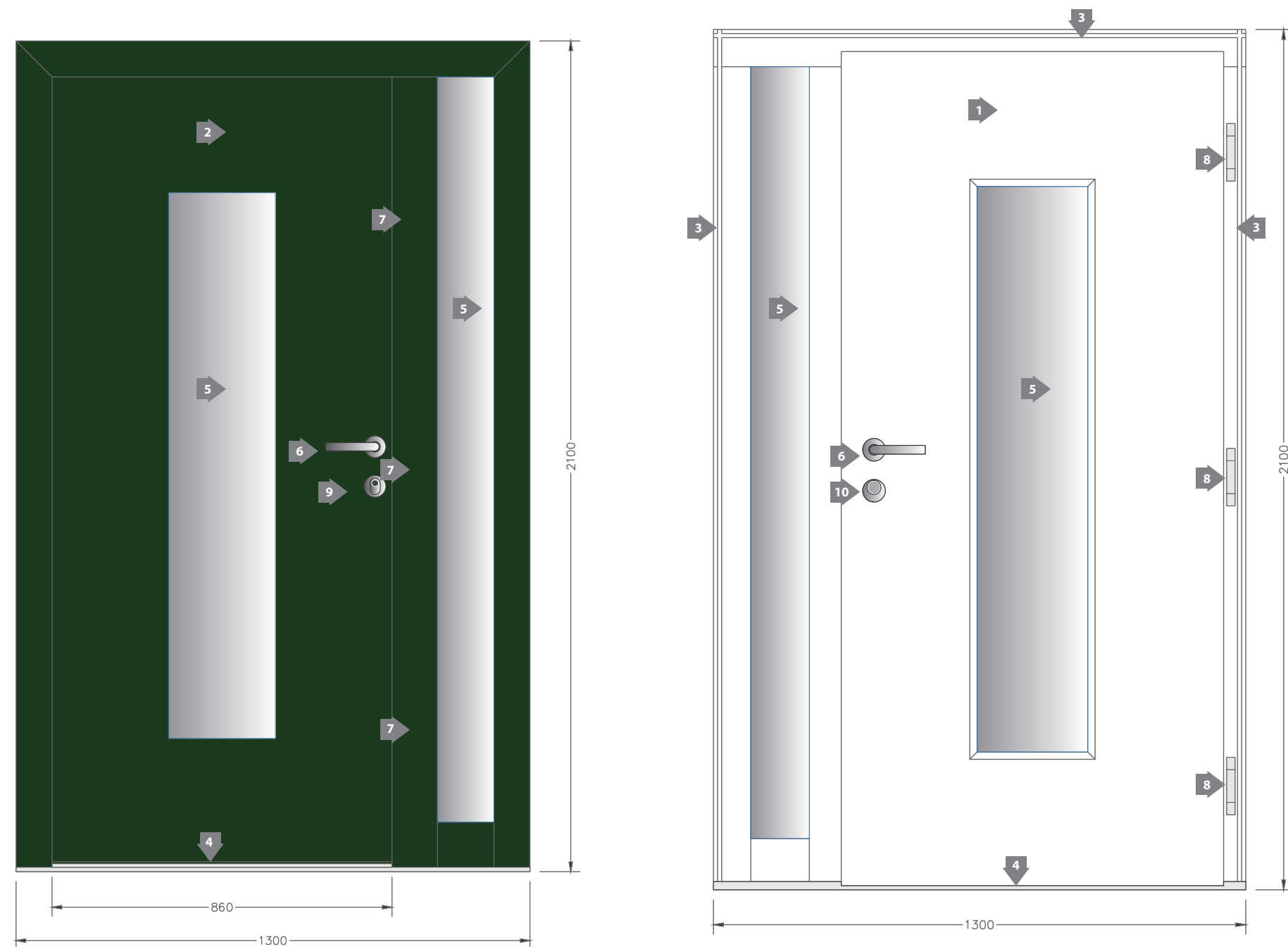
HIGH-QUALITY ENTRANCE DOORS

ENERGATE Door
Wood-aluminum & Wood System



ENERGATE Door

ENERGATE 



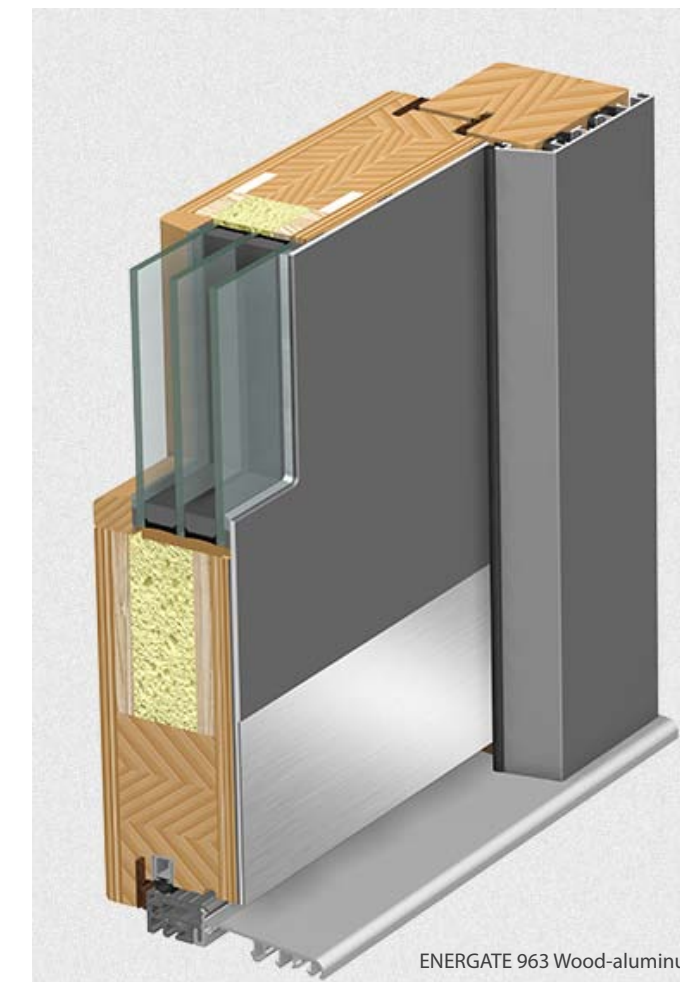
ENERGATE Door

BEST THERMAL PERFORMANCE

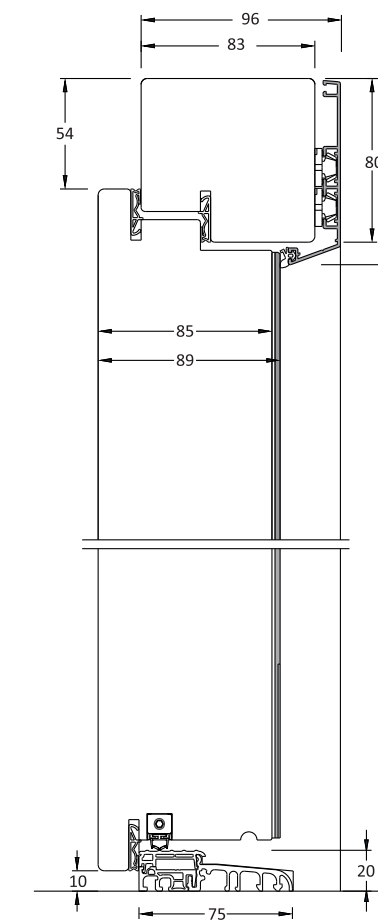
U_p up to $\leq 0,77 \text{ W/m}^2\text{K}$ - $0,59 \text{ W/m}^2\text{K}$

U_d up to $\leq 1,0 \text{ W/m}^2\text{K}$ - $0,62 \text{ W/m}^2\text{K}$

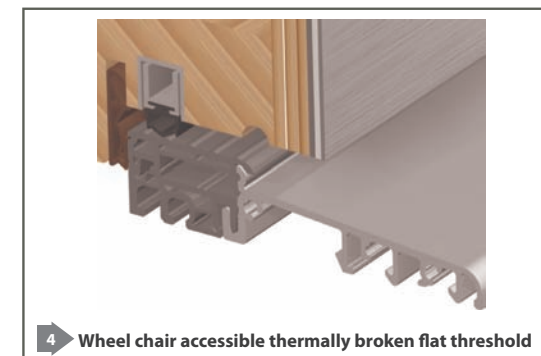
- 1 Spruce Picea abies (high selected wood long finger jointed without nuts)
- 2 Aluminum clade in high weather proof RAL coating (qualicode 2 highest weather/UV resistance)
- 3 Installation groove 10/10/10 mm
- 4 Wheel chair accessible thermally broken flat threshold (max. 20mm)
- 5 Security laminated insulated triple glass
 $33.2-18\text{Arg}-6-18\text{Arg}-33.2$ $U_g=0,5\text{W/m}^2\text{K}$ $g=46\%$
- 6 Stainless steel hardware
- 7 Automatic 3-point locking system
- 8 3-dimentional adjustable stainless steel door hinges
- 9 Security rose outside
- 10 Comfort knob cylinder inside



ENERGATE 963 Wood-aluminum

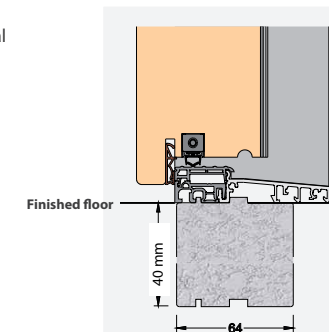


ENERGATE 963 Wood-aluminum



➤ 4 Wheel chair accessible thermally broken flat threshold

For thermal optimal results, we recommend 40mm frame extension as thermal divider between inside and outside.



➤ 3 Installation groove 10/10/10 mm



TECHNICAL DATA

MAIN ENTRANCE DOORS
WOOD ALUMINUM
& WOOD

Tested by laboratory accredited according to ISO17025
Norm: EN ISO 14351-1:2006

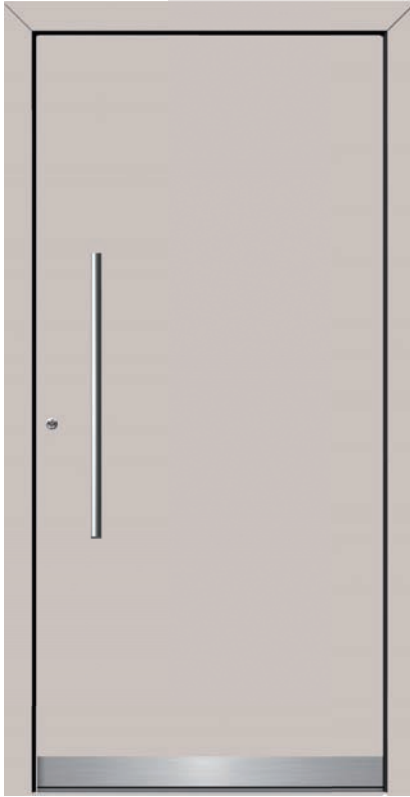
Doors for application in residential and non-residential buildings

* According to ÖNORM B 3850

Product type	2.301	2.201	2.302	2.308	2.311	2.301.4
	DOOR (inswing)	DOOR (inswing)	DOOR (inswing)	DOOR (inswing)	DOOR (inswing)	DOOR (outswing)
Product description	full slab with glass opening	full slab	full slab with glass opening with fixed side light	full slab with glass opening with fixed light above	double french opening full slab with glass opening with fixed light above	outward opening full slab with glass opening
Water tightness: DIN EN 12208 unprotected building location (A) protected building location (B) Test pressure (Pa)	9A (600 Pa in both +/- directions) 7B (300 Pa in both +/- directions)	9A (600 Pa in both +/- directions) 7B (300 Pa in both +/- directions)	9A (600 Pa in both +/- directions) 7B (300 Pa in both +/- directions)	9A (600 Pa in both +/- directions) 7B (300 Pa in both +/- directions)	3A (100 Pa in both +/- directions) 3B (100 Pa in both +/- directions)	8A (450 Pa in both +/- directions) 7B (300 Pa in both +/- directions)
Wind load resistance: DIN EN 12210 frame deflection ≤1/300 (C)	5C (2.000 Pa in both +/- directions)	5C (2.000 Pa in both +/- directions)	5C (2.000 Pa in both +/- directions)	5C (2.000 Pa in both +/- directions)	5C (2.000 Pa in both +/- directions)	5C (2.000 Pa in both +/- directions)
Air permeability: DIN EN12207 Locked door	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)
Air permeability: DIN EN12207 Shut door	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)	Class 4 (>0,1m³/hm@600Pa)
Dangerous substance	NONE	NONE	NONE	NONE	NONE	NONE
Sound insulation DIN EN 4109	Depending on the selected glass	R _W (C,C _{tr}) 30dB	Depending on the selected glass	Depending on the selected glass	Depending on the selected glass	Depending on the selected glass
Impact resistance DIN EN13049	Class 5 950 mm height of fall	ndp no performance determined	Class 5 950 mm height of fall	Class 5 950 mm height of fall	Class 5 950 mm height of fall	Class 5 950 mm height of fall
Duration Function DIN EN 12400	Class 6 200.000 locking cycles	Class 6 200.000 locking cycles	Class 6 200.000 locking cycles	Class 6 200.000 locking cycles	Class 6 200.000 locking cycles	Class 6 200.000 locking cycles
Difference climate	c, d, e 3	c, d, e 3	c, d, e 3	c, d, e 3	c, d, e 3	c, d, e 3
Fire protection (optional)	30 min*	30 min*	X	30 min*	X	30 min*
Burglar resistance (optional)	RC3/WK3	RC3/WK3	RC3/WK3	RC3/WK3	RC3/WK3	RC3/WK3
	RC3/WK3 includes: 5 point locking system with 4-automatical locable pins , handle Set ES2 class with cylinder protection (Din 18257), security cylinder 2 class with break in security (Din 18252), Lift-up security KfV 8042 (3pcs), P5A security glass, Wood Type: oak,meranti or larch					

Model selection EXTERIOR View

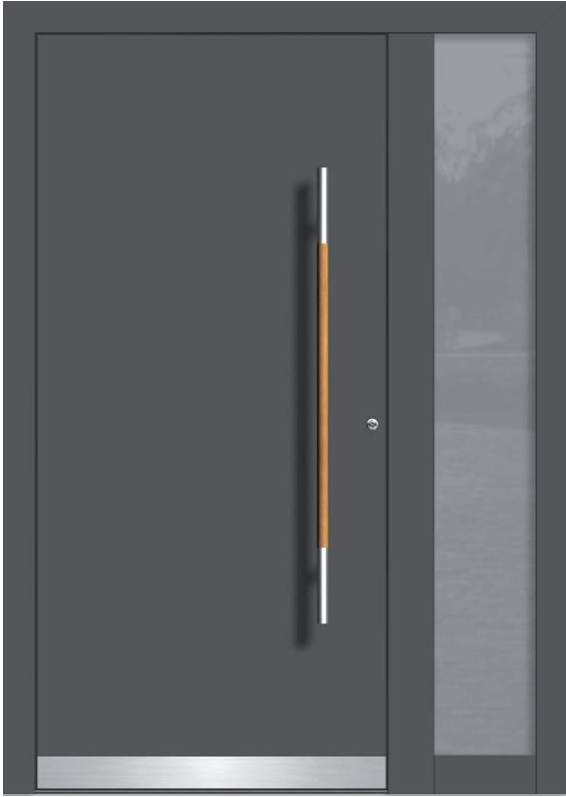
„With ENERGATE **Doors** you get the best value
for a great price“ Customer’s review from a builder from Bergen.



HA 101
Handle: SERIE Round 75 cm



HA 101 with side light
Handle: V 70 cm



HA 101 with side light
Handle: SERIE Wood HG 120 cm



HA 121
Handle: SERIE Sqare 75 cm



HA 109
Handle: SERIE Sqare - LA



HA 124
Handle: SERIE Round 135 cm



HA 107-A
Handle: V35-Q

Model selection EXTERIOR View



HA 107 with side light
Handle: SERIE Round 150 cm



HA 106 with side light
Handle: SERIE Round 150 cm



HA 105
Handle: SERIE Square 95 cm

Model selection INTERIOR View



INTERIOR View:
Standard: vertical veneered



INTERIOR View:
Special version: horizontally veneered



INTERIOR View:
Special version: horizontal grooves



INTERIOR View:
Special version: horizontal stainless steel applications

Color & Wood inspiration

A pattern of color combination

OUTSIDE

7048 pearl mouse grey

7021 black grey

9016 white aluminium

INSIDE

Spruce Picea Abies - F00 - colorless

Oak - oiled

Spruce Picea Abies - F10 white washed

WOOD IS A NATURAL PRODUCT

Wood is a natural product and the surface structure is always individual and your doors are unique. The wood grain is arbitrary and every door is different.

This colors illustration are represented symbolically. Color deviations from the original are depending on the printing conditions.








Main Entrance Doors - Wood Colors



SPRUCE - Picea Abies

					
F00 colorless*	F10 white washed*	F11	F19	F20	PFS 9007 fine structure metallic


OAK

				
E00 colorless*	E10 white washed*	E11	E16	E17

LARCH

		
L00 colorless*	L00 oiled*	L00 oiled & brushed*

SPECIALS

	
SPECIAL WOOD: OAK knotty - oiled *	SPECIAL WOOD: OAK rough sawn - oiled*

WOOD IS A NATURAL PRODUCT

Wood is a natural product and the surface structure is always individual and your doors are unique. The wood grain is arbitrary and every door is different.

This colors illustration are represented symbolically. Color deviations from the original are depending on the printing conditions.

*** ATTENTION**

CLEAR LAQUER, WHITE WASHED AND OILED SURFACE FOR INTERIOR USE ONLY




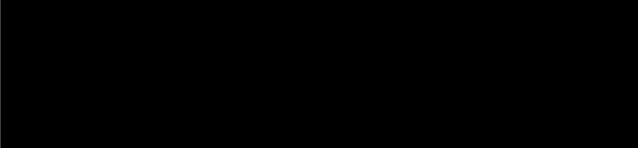

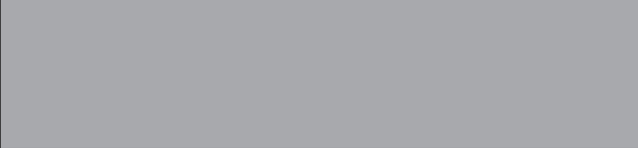


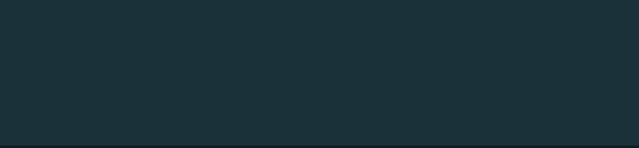

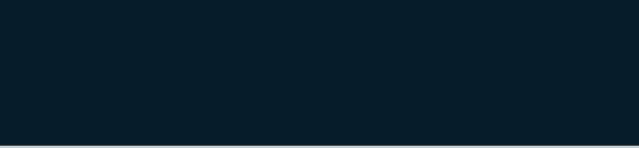

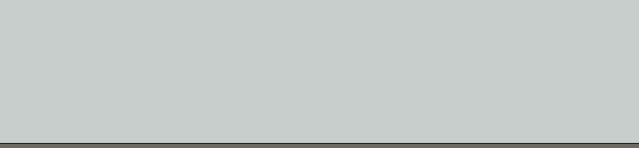



All opaque colors according to RAL K7 colors available

We reserve the right to make technical changes.

This colors illustration are represented symbolically. Color deviations from the original are depending on the printing conditions.

Aluminium Colors

Highly weatherproof

	RAL	Color name		RAL	Color name
	3005	wine red		9005	jet black
	5014	pigeon blue		approx. 9006	white alu-minium
	6005	moss green		approx. 9007	grey alumin-ium
	7016	anthracite grey		9010	pure white
	7021	black grey		approx. 9016	traffic white
	7035	light grey		DB703	
	7048	pearl mouse grey		71319	graphite

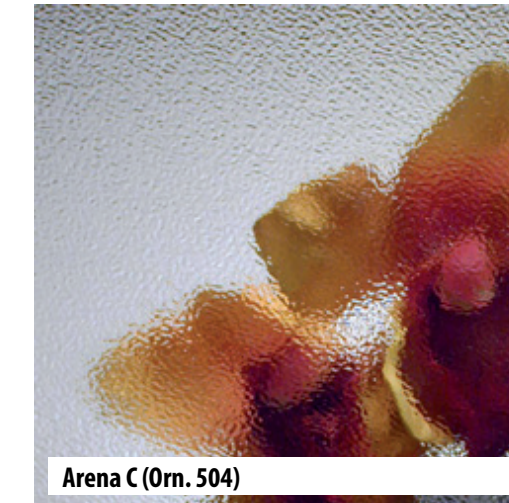
This colors illustration are represented symbolically. Color deviations from the original are depending on the printing conditions.



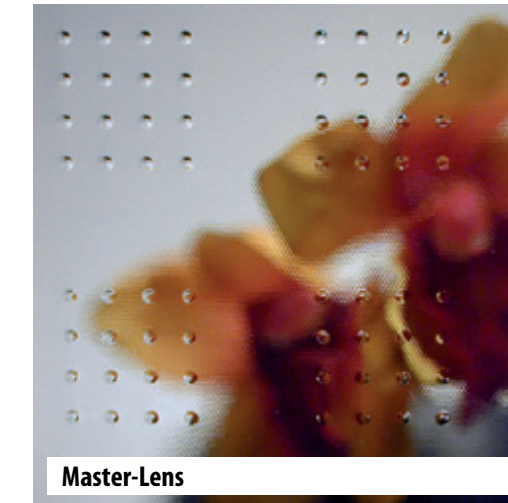
Ornamental Glass Selection



Satinato



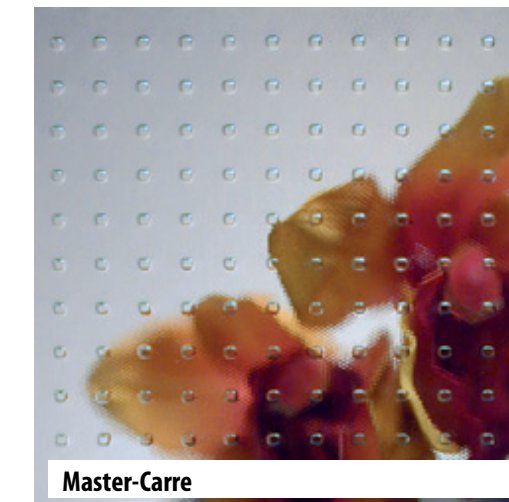
Arena C (Orn. 504)



Master-Lens



Master-Ray



Master-Carre



Kathetral

Handle Selection

FITTINGS - V



Vertical

- V35 (11x35 cm)
- V50 (11x50 cm)
- V80 (11x80 cm)
- V110 (11x110 cm)
- V140 (11x140 cm)

Horizontal:

- V35Q (11x35 cm)
- V50Q (11x50 cm)



FITTINGS - HANDLE SETS

• ENERGATE - Standard



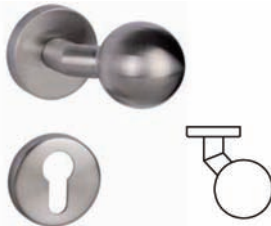
Lever handle
GE 504 - Satin stainless steel F69



Lever handle
GE 502- Satin stainless steel F69



G1 - Knob - STRAIGHT
Satin stainless steel F69



G2- Fixed knob - OFFSET
Satin stainless steel F69



Lever handle
GE 514 - Satin stainless steel F69



Lever handle
GE 540 - Satin stainless steel F69



G4 - Rectangular Knob - STRAIGHT
Satin stainless steel F69



Lever handle
S604 - Stainless steel black lacquered



GE 89 - Security handle set - Satin Stain-
less steel F69 with cylinder cover



GE 94 - Security handle set - Satin Stain-
less steel F69 with cylinder cover

• ENERGATE - Standard



ZA - Security rose
Outside rose with cylinder cover
Satin stainless steel F69 /
or black lacquered



ZE - Rectangular security rose
Outside rose with cylinder cover
Satin stainless steel F69 /
or black lacquered



ZAP- Flush-mounted
(Overlap approx. 1mm)
Security – outside rose with
cylinder cover
Satin stainless steel F69



ZEP- Flush-mounted
(Overlap approx. 1mm)
Rectangular, security –
outside rose with cylinder cover
Satin stainless steel F69

Handle Selection

SERIE SQUARE - ROUND- QUADRO

LENGTH OPTIONS:

- 32 cm
- 55 cm
- 75 cm
- 95 cm
- 115 cm
- 135 cm
- 150 cm
- 180 cm

LA - Light cutout length

Satin stainless steel F69

SERIE QUADRO

Stainless steel black lacquered

LENGTH OPTIONS:

- 80 cm
- 160 cm

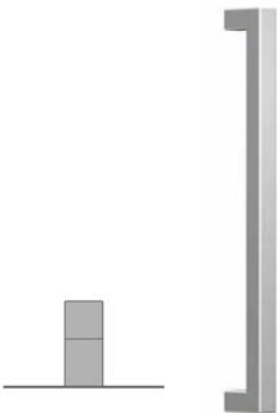
SERIE METALL



SERIE SQUARE



SERIE ROUND



SERIE QUADRO

HANDLE BARS - SPECIFICATIONS

SERIE WOOD

200 mm

HG120 (120 cm)

800 mm

Profile ø 30 mm

200 mm

End sections:
Satin stainless steel F69

Grip insert:
Oak oiled

SPECIFICATIONS ACCESSORIES



PZ3 - SAFETY PROFILE CYLINDER
6 keys included
with security card



PZ3-K -SAFETY PROFILE CYLINDER
with turn knob - 6 keys included
with security card • ENERGATE - Standard



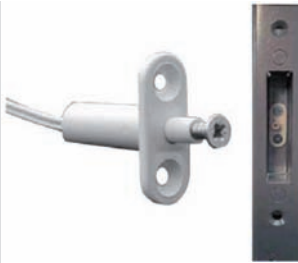
OTS1
Exposed door closer with slide rail and
mechanical door-stay



OTS2 – BOXER
Concealed door closer with mechanical door-
stay



REEDCONTACT
Reed contact drilled in door stock and
door leaf fold.
For confirmation: Door is in the fold!



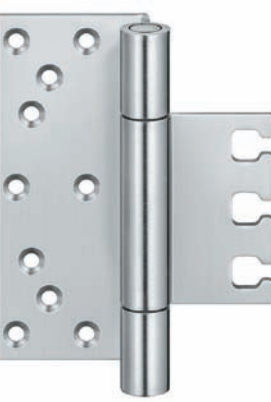
BOLT CONTACT
Installed in the striking plate.
Is by the bolt in the lock.
Feedback:
Door manual or mechanically locked!



Clamping protection
(Kindergarden, schools)



INWARD OPENING DOORS
Door hinges BAKA 4010
with 3D comfortable eccentric adjustment

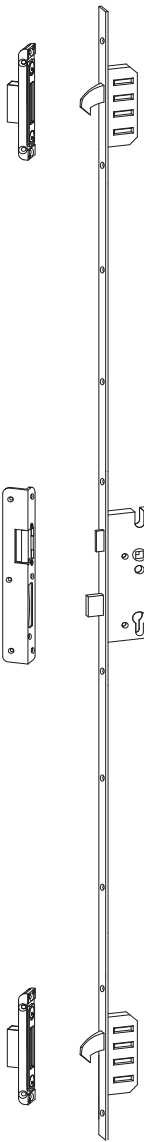


OUTWARD OPENING DOORS
Door hinges Varinat Vx HA

SPECIAL SURFACE - Door hinges

- stainless steel
- white lacquered
- black lacquered

Locking Systems

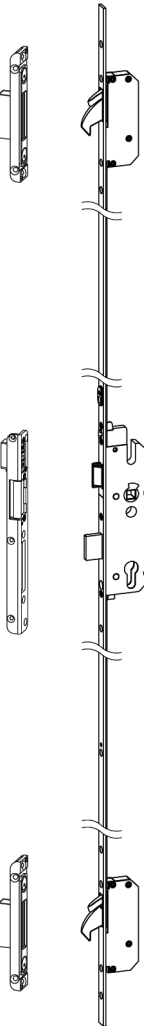


M2
3 - point looking system
with 2 hooks
Surface/color: Top zinc

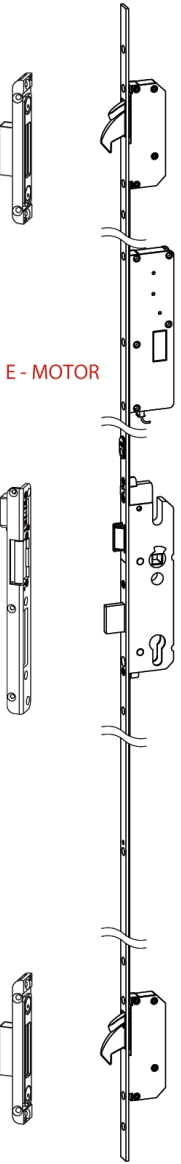


ETÖ
Electrical strike
(10-12 V)

Compatible with M2
locking system



AV3
Automatic with magnetic release
and with day latch function
3 - point looking system
with 2 hooks
Surface/color: Top zinc
Day / night function - for temporarily
flexible
Entry and exit without key rotation
(*) Optional also with door gap
protection available



EAV3
Automatic locking - electronic
unlocking with day latch function
3 - point looking system with 2 hooks
Surface/color: Top zinc
Incl. Cable connection and power,
supply 12 V
An automatic locking is already carried
out when the door is pulled.
Unlocking via the connected access
control systems; Eg fingerprint reader,
keypad or with the key.



Pivoting latches -duo



Central magnetic release
(on the strike plate / locking rails)



Day latch function
(on the strike plate / locking rails)

Customers references



Passivhouse residential area
Storhilderen, Straume, Norway



Pioneer passivhus in Oslo



The Institute of Natural Sciences · NINA
in Trondheim

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