

alca

Pre-wall installation
systems



22 April 2024

www.alcadrain.com

AM118/850 SÁDROMODUL

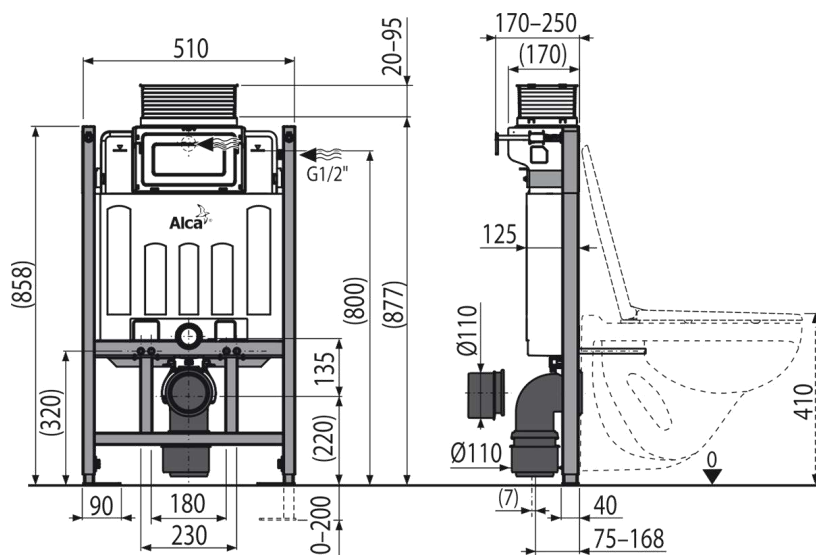
PRE-WALL INSTALLATION SYSTEM FOR DRY BUILD UP (PLASTERBOARD) WITH TOP OR FRONT ACTUATION

AM118/850

8595580559830

Application

- For wall-hung WC
- For mounting in front of a support wall or in to a plasterboard construction
- For floor thickness 0–200 mm
- For installation of wall-hung WC pans with a connecting pitch of 180 mm or 230 mm



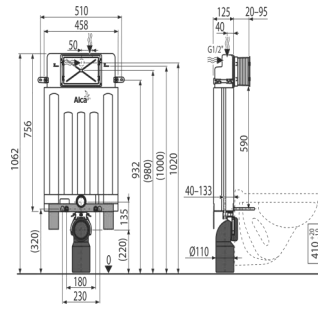
AM100/1000

8595580550448

Pre-wall installation system for building into solid walls

ΚΑΤΑΛΛΗΛΟΣ ΓΙΑ ΤΟΥΒΛΟΤΟΙΧΟΥΣ
ΒΑΘΟΣ ΜΗΧΑΝΙΣΜΟΥ 125cm

Τοιχοποιία/κανονικός 1062X458X125mm



AM115/1000

8595580551292

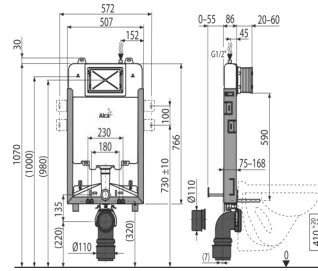
Slim

Pre-wall installation system for building into solid walls

ΚΑΤΑΛΛΗΛΟΣ ΓΙΑ ΑΝΑΚΑΙΝΙΣΕΙΣ
ΒΑΘΟΣ ΜΗΧΑΝΙΣΜΟΥ 86mm

Τοιχοποιία /Λεπτός 1070X507X86mm (SLIM)

Για κρεμαστό αποχωρητήριο / Wall hung



AM100/850

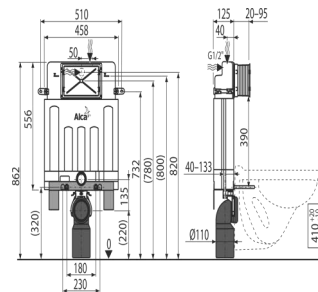
8595580550455

Pre-wall installation system for building into solid walls

ΚΑΤΑΛΛΗΛΟΣ ΓΙΑ ΤΟΥΒΛΟΤΟΙΧΟΥΣ
ΒΑΘΟΣ ΜΗΧΑΝΙΣΜΟΥ 125mm

Τοιχοποιία / κοντός 862X458X125mm

Για κρεμαστό αποχωρητήριο / Wall hung



AM101/1120

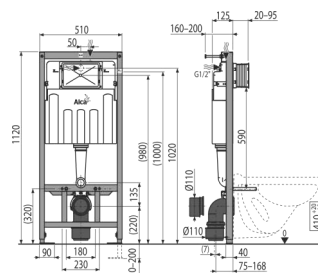
8595580549398

Pre-wall installation system for plasterboard

ΚΑΤΑΛΛΗΛΟΣ ΓΙΑ ΓΥΨΟΣΑΝΙΔΑ
ΒΑΘΟΣ ΜΗΧΑΝΙΣΜΟΥ 125mm

Γυψοσανίδα / κανονικός 1120X510X125mm

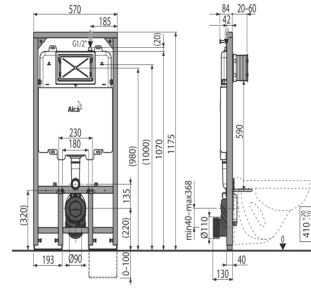
Για Κρεμαστό αποχωρητήριο / Wall hung



AM1101/1200

8595580523992

Slim
Pre-wall installation system for dry build up
(plasterboard)
ΚΑΤΑΛΛΗΛΟΣ ΓΙΑ ΓΥΨΟΣΑΝΙΔΑ
ΒΑΘΟΣ ΜΗΧΑΝΙΣΜΟΥ 84mm
Γυψοσανίδα /λεπτός Ύψος 1175X570X84 Βάθος
Για Κρεμαστό αποχωρητήριο / Wall hung



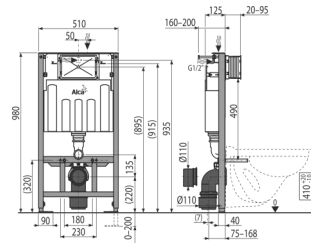
15
YEAR GUARANTEE



AM101/1000

8595580549961

Pre-wall installation system for dry build up
(plasterboard) ΓΙΑ Γυψοσανίδα
/ Μηχανισμός κοντός
Μηχανισμός 980X510X125mm
Για Κρεμαστό αποχωρητήριο/Wall hung toilet



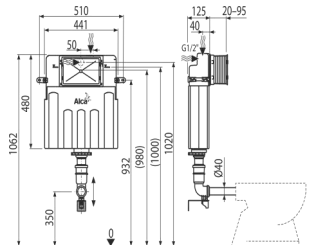
15
YEAR GUARANTEE



AM112

8595580550493

Basicmodul
Wall concealed WC tank
ΓΙΑ ΤΟΥΒΛΟΤΟΙΧΟΥΣ ΚΑΙ ΓΥΨΟΣΑΝΙΔΑ
ΒΑΘΟΣ ΜΗΧΑΝΙΣΜΟΥ 125mm
Ύψος 1062X510X125 Βάθος
Για Καθιστό αποχωρητήριο / back to wall



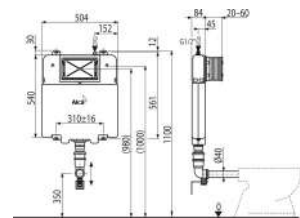
15
YEAR GUARANTEE



AM112

8595580527204

Basicmodul Slim
Wall concealed WC cistern
ΓΙΑ Τοιχοποιία / Γυψοσανίδα
Μηχανισμός 504X110X84mm Βάθος
Για Καθιστό αποχωρητήριο / back to wall



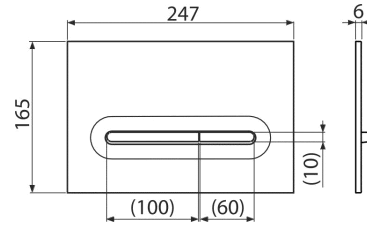
15
YEAR GUARANTEE



M1876 LINKA 8595580583231

white-matt

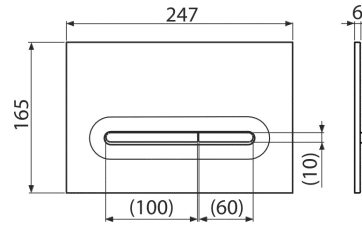
Flush plate for pre-wall installation systems,
The flush plate thanks to its profile stands out only 5.5 mm above the tiles
Double-acting mechanical flushing
Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca
Surface finish: white-matt
Material: plastic



M1878 LINKA 8595580583248

black-matt

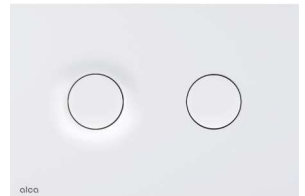
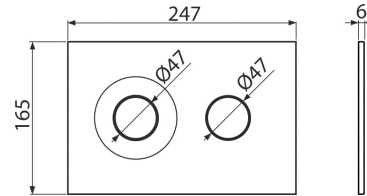
Flush plate for pre-wall installation systems,
The flush plate thanks to its profile stands out only 5.5 mm above the tiles
Double-acting mechanical flushing
Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca
Surface finish: black-matt
Material: plastic



M1976 DOT.DOT 8595580583293

white-matt

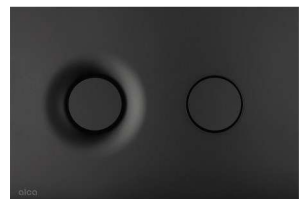
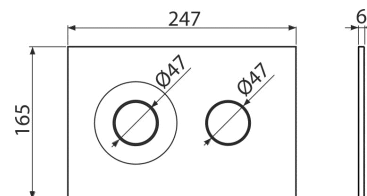
Flush plate for pre-wall installation systems,
The flush plate thanks to its profile stands out only 5.5 mm above the tiles
Double-acting mechanical flushing
Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca
Surface finish: white-matt
Material: plastic



M1978 DOT.DOT 8595580583309

black-matt

Flush plate for pre-wall installation systems,
The flush plate thanks to its profile stands out only 5.5 mm above the tiles
Double-acting mechanical flushing
Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca
Surface finish: black-matt
Material: plastic





Antibacterial surface treatment of matt flush plates

The popular flush plates THIN in white-matt and black-matt finish have a new antibacterial treatment. The upper transparent varnish contains silver nanoparticles, which have antibacterial properties and prevent the spread of unwanted micro-organisms on the surface of the flush plate.

Dispenser for inserting of WC tablets

- Included with each WC system ALCA *
- Discreet toilet freshener
- Hygienic cleanliness of WC bowl – the ideal solution for rimflow WC bowls
- Easy operation
- Suitable for all types of WC cistern tablets
- Compatible with all older types *



* (with the exception of the Slim and WOOD systems)

TILTING MECHANISM FOR EASIER INSERTION OF WC TABLETS

Compatible with all flush plates THIN, FUN, AIR and MOON in all surface finishes.

M57-G-M 8595580580940

GOLD-mat

Flush plate for pre-wall installation systems
For pre-wall installation systems and concealed WC cisterns.

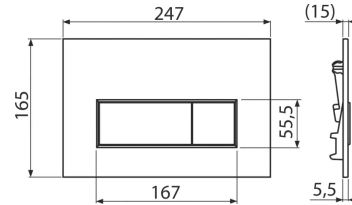
The flush plate thanks to its profile stands out only 5.5 mm above the tiles

Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST

Surface finish: GOLD-mat

Material: plastic



M57-GM-M 8595580580971

GUN METAL-mat

Flush plate for pre-wall installation systems
For pre-wall installation systems and concealed WC cisterns.

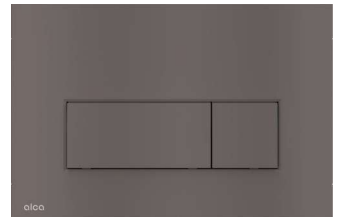
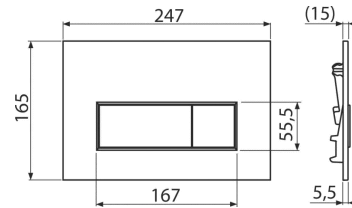
The flush plate thanks to its profile stands out only 5.5 mm above the tiles

Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST

Surface finish: GUN METAL-mat

Material: plastic



M57-N-M 8595580580964

NIKEL -matt

Flush plate for pre-wall installation systems
For pre-wall installation systems and concealed WC cisterns.

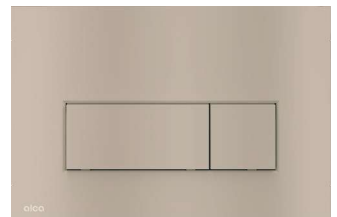
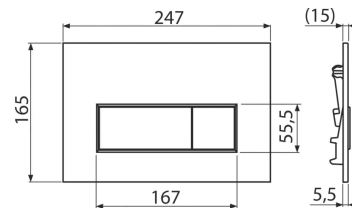
The flush plate thanks to its profile stands out only 5.5 mm above the tiles

Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST

Surface finish: NIKEL-mat

Material: plastic



M57-RG-M 8595580580957

RED GOLD-mat

Flush plate for pre-wall installation systems
For pre-wall installation systems and concealed WC cisterns.

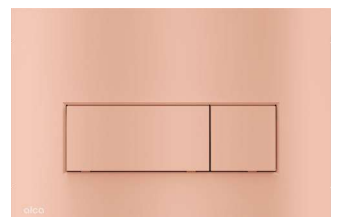
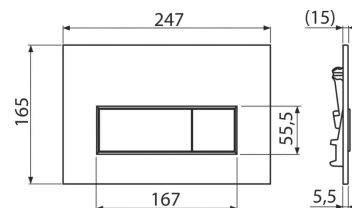
The flush plate thanks to its profile stands out only 5.5 mm above the tiles

Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST

Surface finish: RED GOLD-mat

Material: plastic

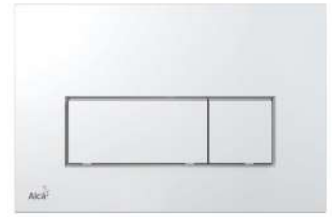
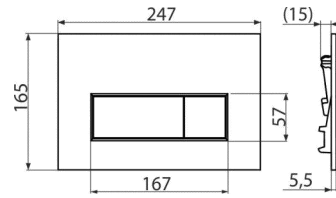


M571 8595580558611

chrome polished

ΚΟΥΜΠΙ ΔΙΠΛΗΣ ΡΟΗΣ ΝΕΡΟΥ, ΓΙΑ ΕΝΤΟΙΧΙΣΜΕΝΟΥΣ ΜΗΧΑΝΙΣΜΟΥΣ, ΓΙΑ ΟΛΟΥΣ ΤΟΥΣ "ALCA PLAST"

ΥΛΙΚΟ: ΠΛΑΣΤΙΚΟ ΣΚΛΗΡΟ

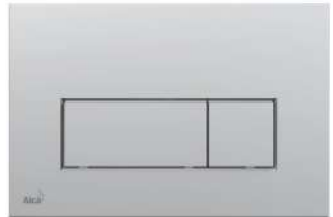
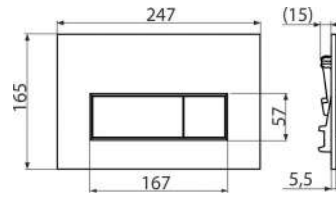


M572 8595580558628

chrome matt

ΚΟΥΜΠΙ ΔΙΠΛΗΣ ΡΟΗΣ ΝΕΡΟΥ, ΓΙΑ ΕΝΤΟΙΧΙΣΜΕΝΟΥΣ ΜΗΧΑΝΙΣΜΟΥΣ, ΓΙΑ ΟΛΟΥΣ ΤΟΥΣ "ALCA PLAST"

ΥΛΙΚΟ: ΠΛΑΣΤΙΚΟ ΣΚΛΗΡΟ



M576 8595580566302

white-matt

Flush plate for pre-wall installation systems

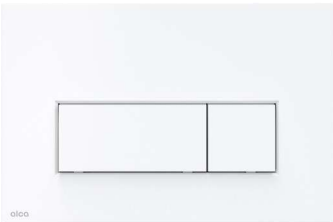
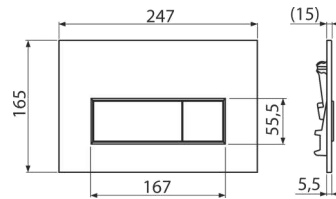
The flush plate thanks to its profile stands out only 5.5 mm above the tiles

Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca

Surface finish: white-matt with antibacterial properties (ensured by the content of silver compounds)

Material: plastic



M578 8595580558642

black matt

Flush plate for pre-wall installation systems

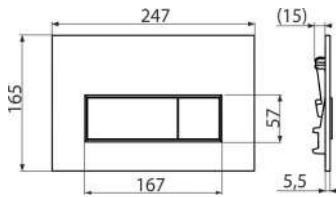
The flush plate thanks to its profile stands out only 5.5 mm above the tiles

Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca

Surface finish: black-matt with antibacterial properties (ensured by the content of silver compounds)

Material: plastic



Flush plates THIN

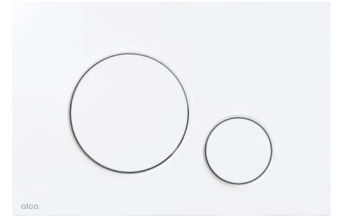
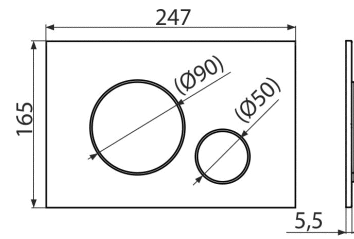
alca

M670 8595580562663

White-chrome polished finish

FLUSH PLATE FOR PRE-WALL INSTALLATION SYSTEMS, WHITE/CHROME-POLISHED

For pre-wall installation systems and concealed WC cisterns.

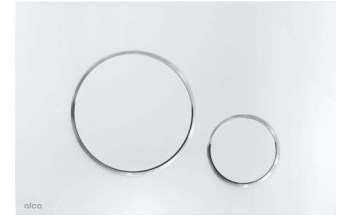
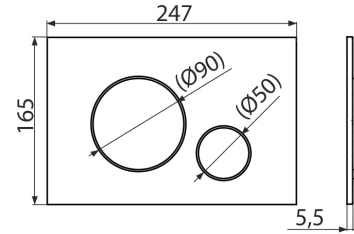


M671 8595580562670

chrome-polished

Flush plate for pre-wall installation systems and concealed WC cisterns. The flush plate thanks to its profile stands out only 5.5 mm above the tiles. Double-acting mechanical flushing. Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST

Surface finish: chrome-polished. Material: plastic



M672 8595580562687

chrome-matt

For pre-wall installation systems and concealed WC cisterns.

The flush plate thanks to its profile stands out only 5.5 mm above the tiles

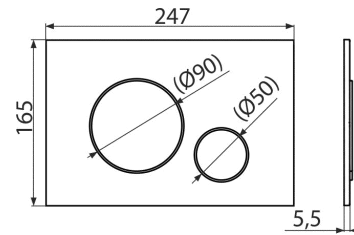
Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca

Surface finish: chrome-matt

Material: plastic

NEW!



M676 8595580566319

white-matt

Flush plate for pre-wall installation systems and concealed WC cisterns

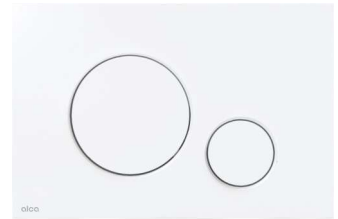
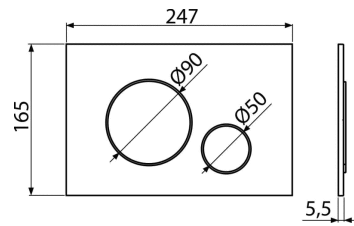
The flush plate thanks to its profile stands out only 5.5 mm above the tiles

Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca

Surface finish: white-matt with antibacterial properties (ensured by the content of silver compounds)

Material: plastic

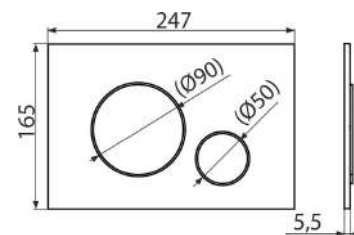


M678 8595580562700

black matt

ΚΟΥΜΠΙ ΔΙΠΛΗΣ ΡΟΗΣ ΝΕΡΟΥ, ΓΙΑ ΕΝΤΟΙΧΙΣΜΕΝΟΥΣ ΜΗΧΑΝΙΣΜΟΥΣ, ΓΙΑ ΟΛΟΥΣ ΤΟΥΣ "ALCA PLAST"

ΥΛΙΚΟ: ΠΛΑΣΤΙΚΟ ΣΚΛΗΡΟ

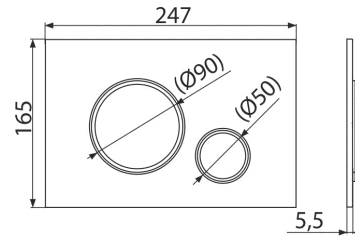


M770 8595580562618

White-chrome polished finish

FLUSH PLATE FOR PRE-WALL INSTALLATION SYSTEMS, WHITE/CHROME-POLISHED

For pre-wall installation systems and concealed WC cisterns



M772 8595580562632

chrome-matt/chrome-polished finish

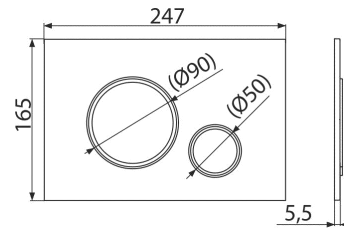
FLUSH PLATE FOR PRE-WALL INSTALLATION SYSTEMS

The flush plate thanks to its profile stands out only 5.5 mm above the tiles

Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST

Surface finish: chrome-matt. Material: plastic



M778 8595580562656

black-matt/chrome-polished finish

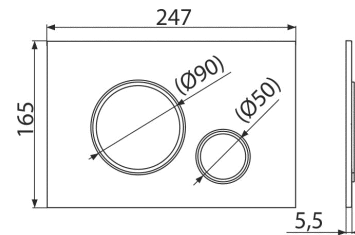
FLUSH PLATE FOR PRE-WALL INSTALLATION SYSTEMS

For pre-wall installation systems and concealed WC cisterns

The flush plate thanks to its profile stands out only 5.5 mm above the tiles. Double-acting mechanical flushing

Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST

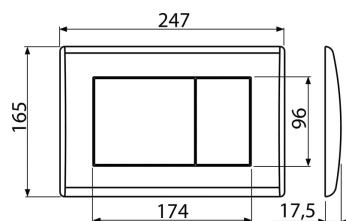
Surface finish: black-matt with antibacterial properties (ensured by the content of silver compounds). Material: plastic



M270

White finish

Flush plate for pre-wall installation system ,white
 Double-acting mechanical flushing
 Compatible for all pre-wall installation systems and
 cisterns for building into solid walls ALCADRAIN
 Surface finish: white
 Material: plastic

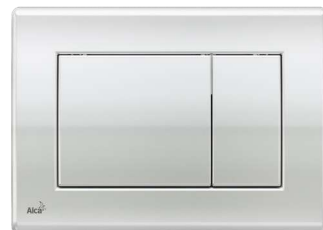
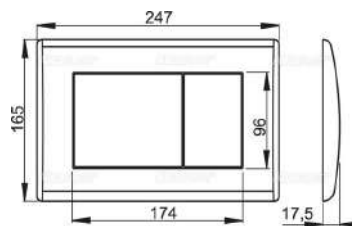


M271

8594045938241

Chrome-polished finish

Flush plate for pre-wall installation system
 ΓΙΑ ΕΝΤΟΙΧΙΣΜΕΝΟΥΣ ΜΗΧΑΝΙΣΜΟΥΣ, ΔΙ-
 ΠΛΗΣ ΡΟΗΣ ΝΕΡΟΥ, ΓΙΑ ΌΛΟΥΣ ΤΟΥΣ
 “ALCA PLAST” ΥΛΙΚΟ: ΠΛΑΣΤΙΚΟ ΣΚΛΗΡΟ

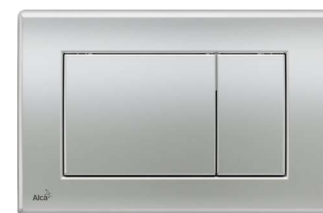
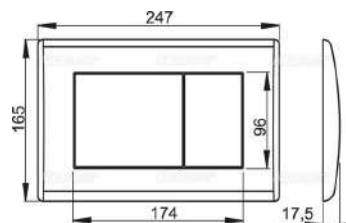


M272

8594045938258

chrome matt

Flush plate for pre-wall installation system
 ΚΟΥΜΠΙ ΔΙΠΛΗΣ ΡΟΗΣ ΝΕΡΟΥ, ΓΙΑ ΕΝΤΟΙ-
 ΧΙΣΜΕΝΟΥΣ ΜΗΧΑΝΙΣΜΟΥΣ, ΓΙΑ ΟΛΟΥΣ
 ΤΟΥΣ “ALCA PLAST”, ΥΛΙΚΟ: ΠΛΑΣΤΙΚΟ
 ΣΚΛΗΡΟ

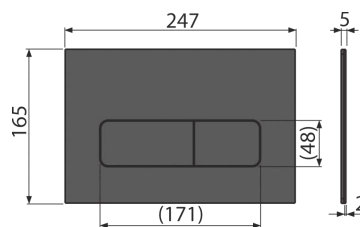


Flush plates FLAT

MOON-BLACK 8595580577483

inox-black matt

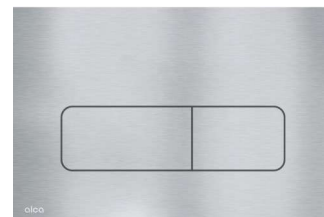
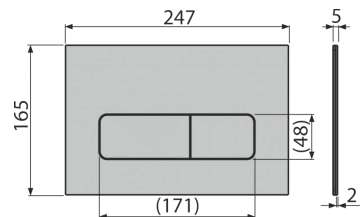
Flush plate for pre-wall installation systems, The mechanism is fully integrated into the wall. The flush plate only slightly protrudes above the tiles. Double-acting mechanical flushing
Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca
Maintenance with common detergents used in the household for plumbing fixtures and bathroom accessories. Resistant to UV rays and external influences. Precise workmanship with laser technology
Surface finish: stainless steel-black matt with antibacterial properties (ensured by the content of silver compounds)
Material: stainless steel, painted color finish



MOON 8595580577476

alunox-matt

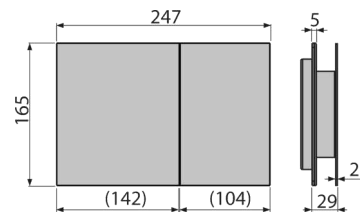
Flush plate for pre-wall installation systems, The mechanism is fully integrated into the wall. The flush plate only slightly protrudes above the tiles. Double-acting mechanical flushing. Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST. Maintenance with common detergents used in the household for plumbing fixtures and bathroom accessories. Resistant to UV rays and external influences. Precise workmanship with laser technology. Surface finish: alunox-mat, Anti-fingerprint with surface treatment that eliminates fingerprint smudges. Material: anodized aluminum, stainless steel



Air 8595580523671

alunox-matt

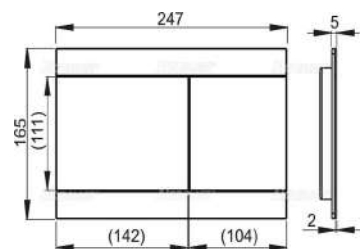
Flush plate for pre-wall installation systems, Double-acting mechanical flushing
Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca
Maintenance with common detergents used in the household for plumbing fixtures and bathroom accessories. Resistant to UV rays and external influences. Precise workmanship with laser technology
Surface finish: alunox-mat, Anti-fingerprint with surface treatment that eliminates fingerprint smudges
Material: anodized aluminum



FUN 8595580523534

metal matt

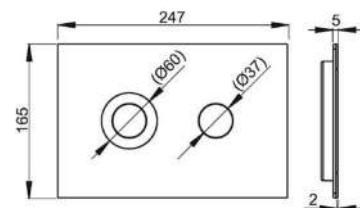
Flush plates ALUNOX THIN Red Dot Award
The mechanism is fully integrated into the wall
The flush plate only slightly protrudes above the tiles
Double-acting mechanical flushing
Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca
Maintenance with common detergents used in the household for plumbing fixtures and bathroom accessories. Resistant to UV rays and external influences
Precise workmanship with laser technology
Surface finish: alunox-mat, Anti-fingerprint with surface treatment that eliminates fingerprint smudges
Material: anodized aluminum



TURN 8595580523527

metal-matt/polish

The mechanism is fully integrated into the wall
The flush plate only slightly protrudes above the tiles
Double-acting mechanical flushing
Compatible for all pre-wall installation systems and cisterns for building into solid walls Alca
Maintenance with common detergents used in the household for plumbing fixtures and bathroom accessories. Resistant to UV rays and external influences
Precise workmanship with laser technology
Surface finish: alunox-mat, Anti-fingerprint with surface treatment that eliminates fingerprint smudges
Material: anodized aluminum, stainless steel

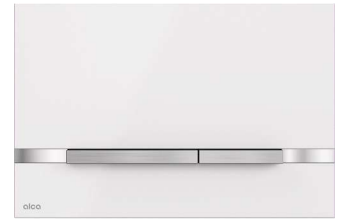
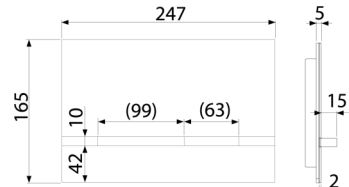


Flush plates FLAT only on order

STRIPE-GL1200 8595580546212

white

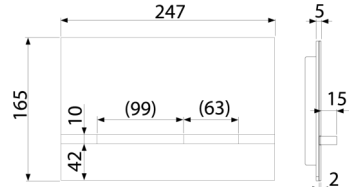
Flush plate for pre-wall installation system, metal button, surface glass



STRIPE-GL1204 8595580546205

black

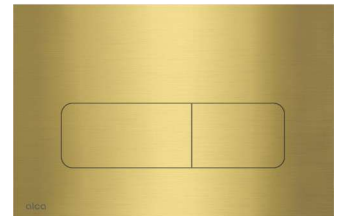
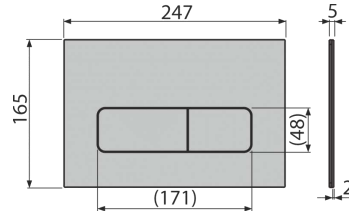
Flush plate for pre-wall installation system, metal button, surface glass



MON-BRASS 8595580577490

Brass

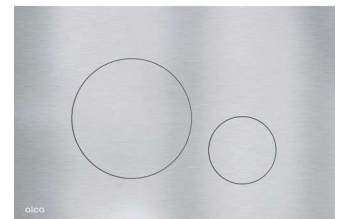
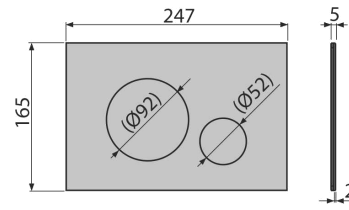
Flush plate for pre-wall installation systems, The mechanism is fully integrated into the wall. The flush plate only slightly protrudes above the tiles. Double-acting mechanical flushing. Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST. Maintenance with common detergents used in the household for plumbing fixtures and bathroom accessories. Resistant to UV rays and external influences. Precise workmanship with laser technology
Surface finish: brass, ANTI-FINGERPRINT modified against finger prints. Material: stainless steel with brass surface finish



TURN 8595580523527

metal-matt/polish

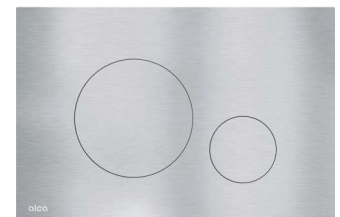
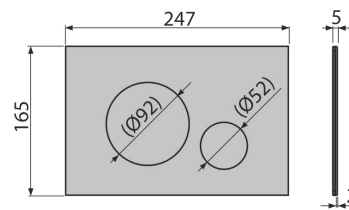
Turn flush plate
Flush plate for pre-wall installation system. The mechanism is fully integrated into the wall. The flush plate only slightly protrudes above the tiles. Double-acting. Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST. Maintenance with common detergents used in the household for plumbing fixtures and bathroom accessories. Resistant to UV rays and external influences. Precise workmanship with laser technology. Surface finish: alunox-mat, Anti-fingerprint with surface treatment that eliminates fingerprint smudges. Material: anodized aluminum, stainless steel



TURN-INOX 8595580531225

inox-semi matt/polished

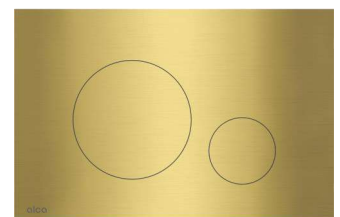
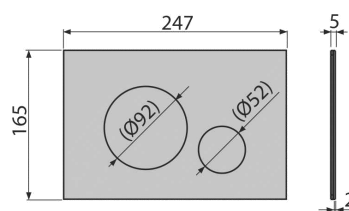
Flush plate for pre-wall installation systems, The mechanism is fully integrated into the wall. The flush plate only slightly protrudes above the tiles. Double-acting mechanical flushing. Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST. Maintenance with common detergents used in the household for plumbing fixtures and bathroom accessories. Resistant to UV rays and external influences. Precise workmanship with laser technology
Surface finish: painted stainless steel, Anti-fingerprint with surface treatment that eliminates fingerprint smudges. Material: stainless steel, painted colorless finish



TURN-BRASS 8595580577520

Brass

Flush plate for pre-wall installation systems, The mechanism is fully integrated into the wall. The flush plate only slightly protrudes above the tiles. Double-acting mechanical flushing. Compatible for all pre-wall installation systems and cisterns for building into solid walls ALCAPLAST. Maintenance with common detergents used in the household for plumbing fixtures and bathroom accessories. Resistant to UV rays and external influences. Precise workmanship with laser technology. Surface finish: brass, ANTI-FINGERPRINT modified against finger prints. Material: stainless steel with brass surface finish



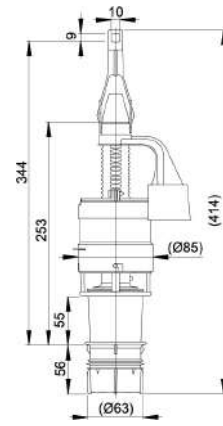
Accessories

alca

A06E 8595580511258

pre-wall ecology Mechanism

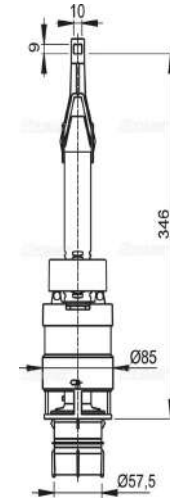
For pre-wall installation systems height 1000, 1200 mm. For water-saving flushing 2/4 l
 Compatible with pre-wall installation systems A100, A101, A102, A115, A116 with height of 1000, 1200 mm, Dual flush, STOP button to adjust the amount of discharged water, Material: ABS
 EN 14055
 Valve, Outlet DN60 mm for installation in the cistern



A06 8594045936803

pre-wall flash valve

Curtain for adjusting the amount of flushed water
 Flushing valve for ALCA modules
 Packaging –outer box : 25 pcs
 size –outer box : 590X390X430 mm
 weight–outer box : 7.0 kg



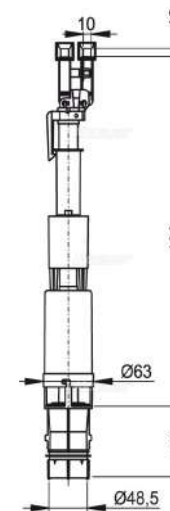
M00020B-ND

A06 Flush Valve outlet seal

A09B 8595580506988

flash valve for pre-wall slim modul

New, more compact design of the flush valve
 Easy installation, setup and maintenance, High reliability
 Compatible with all Slimmoduls
 Interchangeable with previous valve A09A
 Packaging –outer box : 20 pcs
 size –outer box : 590X390X430 mm
 weight–outer box : 6.2 kg



MS0023-ND

MS0095-ND

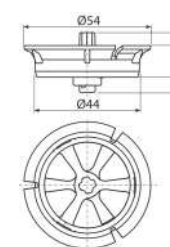
A09B Flush Valve outlet Slim

P115 8595580542085

water flow speed regulator

For pre-wall installation systems Alcaplast (except for Slim)

To reduce the flow of water when flushing the toilet
 For pre-wall installation systems Alcaplast (except for Slim)
 For flush valves A06, A06E, A02, A03, A05, A07, A2000
 Four options of regulation the flow rate of water by 5%, 15%, 25% or 35%
 Material: polypropylene
 EN 14055
 Regulator



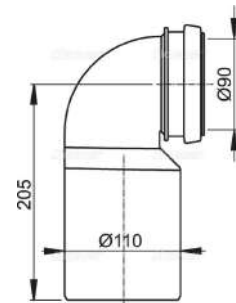
Accessories

alca

M906 8595580501891

Drainage joint set 90/110

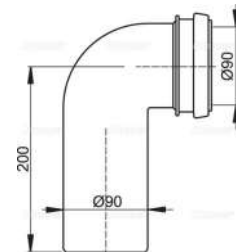
To connect a wall-hung WC to vertical waste pipes
 For pre-wall installation systems
 Packaging –outer box : 20 pcs
 size –outer box : 590X390X430 mm
 weight–outer box : 6.7 kg



M908 8595580501907

Drainage joint set 90/90

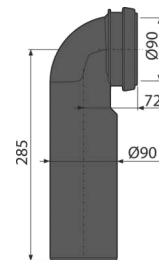
Waste elbow for A101, A102
 Packaging –outer box : 20 pcs
 size –outer box : 590X390X430 mm
 weight–outer box : 6.9 kg



M968 8595580572211

Elbow waste connector set DN90 Slim

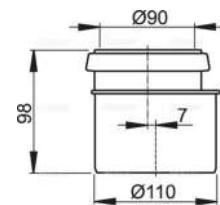
To connect a wall-hung WC to vertical waste pipes
 For pre-wall installation systems
 Material: polyethylene



M907 8594045937121

Reduction set 90/110

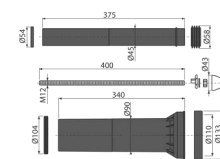
Transition from Ø90 to Ø110
 For pre-wall installation systems
 Packaging –outer box : 60 pcs
 size –outer box : 590X390X430 mm
 weight–outer box : 7.9 kg



M9000 8595580503963

Complete extended accessories to be used with WC's for handicapped

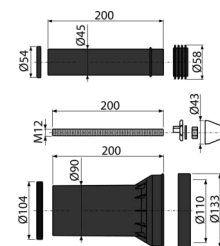
For connecting water and waste to the WC, extended – set
 For pre-wall installation systems
 Packaging –outer box : 10 pcs
 size –outer box : 430X170X170 mm
 weight–(piece): 0.97 kg



M900 8595580514266

Accessories set

Set for connecting the wall-hung toilet to the module
 Compatible with the A100, A101, A102, A115
 Packaging –outer box : 15 pcs
 size –outer box : 590X390X430 mm
 weight–outer box : 11.5 kg



M147 8595580515577

Extended connector to be used with WC's for handicapped

To extend the connection of water to the wall-hung toilet, To connect the extended WC pan to the pre-wall installation system For pre-wall installation systems
 Packaging –outer box : 75 pcs, size –outer box : 595X395X245 mm,
 weight–outer box : 8.8 kg



Description	Ref. nr.	
Flexible pre-wall	MN0115-ND	
Flash plate screw 20cm	MN0120C-DLOUHY	
pre-wall regulator long screws	M952D	
pre-wall regulator screws	M952	
flex waste pipe holder	M956-ND	
Spare Board Slim Module	M958	
Corner Valve with holder for pre-wall	P068	
Complete kit with screws for pre wall	M954	
plate module b	M935	
M0005-ND AM1112	M0005-ND	
Spacer for WC Slim Cisterns	MN0082-ND	

