

Shower drains



Bathroom
without compromise

BARRIER FREE SHOWER ENCLOSURE



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By installing a linear shower drain into your shower enclosure you will achieve a harmonious layout with an emphasis on space, height and an obstacle free transition from wet to dry bathroom areas.

SHOWER DRAIN ALCA



Shower drains – maximum flowrate 68 l/min.

Most shower drains on the market today use standard shower traps, for the shower trays, with limited access for cleaning and a low flow rate of around 30 l/min. ALCA shower drains, on the other hand, have a dual compartment trap specifically designed for this purpose and can reach flow rates of up to 68 l/min. This guarantees that no flooding will occur in your bathroom even when using big format shower heads with a very high flow rate of water.





HIGH FLOWRATE
(68 l/min.)

100% EASY CLEAN
TRAP

LOW INSTALLATION
HEIGHT
(55 mm)



ALCA shower drains have fully cleanable traps

One odour trap is standard, but the ALCA stainless steel shower drain utilise a two-flow compartment system, with removable inlet parts. This creates a dual odour trap system that allows simple and complete cleaning of both flow compartments as far as the waste pipe.

The Plastic drain is also fully cleanable and includes a dry-trap. This means that odours from the sewer do not penetrate through, even when the drain is not used for a longer time and the water in the waste dries out.

ALCA shower drains have low installation height requirements

ALCA shower drains conform to today's highest installation standards. The lowest installation height offered by ALCA drains is 55 mm, which is ideal for renovations in older houses with relatively shallow concrete floors. However, the 85 mm height is the preferred option for new constructions, where the height of the drain can be incorporated into the design.

ALCA DRAINS ADVANTAGES



25 year warranty

ALCA stainless steel shower drains are made of high quality stainless steel. Material and their construction, ensures they are highly resistant to damage. Electrochemical polishing prevents dirt from settling inside the channel and increases its resistance to corrosion and leaks. The bright metallic finish is free of any impurities and smoother than the original stainless steel material.

ISO 9001:2008 Quality

Alcaplast company applies the system of direction quality ISO 9001:2008 in production processes and the production process is tested by Company Det Norske Veritas. Products manufactured by our company are designed according to the latest standards and are tried and tested at every stage of development.



Czech product



25 YEAR
WARRANTY

COMPLETE
TECHNICAL AND
DESIGN SOLUTIONS

TAILORED TO FIT
SOLUTIONS WITHIN
30 DAYS



Complete technical and design solutions

The ALCA solutions offered here meet the most exacting requirements of all top architects and designers. You can choose from linear drains designed into the free space or attached to the wall, corner linear drain in several height options within the drainage system Spa and plastic linear drains. You can pick the grid of your choice from 33 basic designs, including both glass and artificial stone options.

Custom made solutions within 30 days

All the standard ALCA drains can be custom made in any size, from 300 to 2.200 mm in length. Larger sizes, or a different solution to specific drainage requirements, can be supplied on an individual basis after discussion with our sales representatives. These tailor-made solutions will naturally retain the high performance characteristics and advantages of all ALCA shower drains.

In the back of the catalogue you will find a form that will give you basic options for non-standard modifications of stainless steel linear drains. In case of other requirements please contact our sales representatives.

LINEAR SHOWER DRAINS

APZ1
APZ101 Low
APZ1001
APZ1101 Low

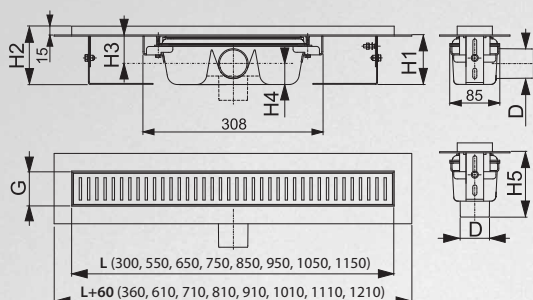


	APZ1/1001	APZ101/1101
outlet	side	bottom
minimum floor thickness (H1)	85 mm	55 mm
total installation height (H2)	100 – 158 mm	70 – 96 mm
height from the axis of the waste to the flange (H3)	48/- mm	33,5/- mm
height from the axis of the waste to the bottom of the trap (H4)	36/- mm	21,5/- mm
installation height to the waste (H5)	-/111 mm	-/100 mm
shower drain channel width (G)	60 mm	60 mm
flow rate (ČSN EN 1253)	60/68,8 l/min.	35/44 l/min.
outlet pipe diameter (D)	Ø50	Ø40
load class (ČSN EN 1253)	K3 = 300 kg	K3 = 300 kg



Shower drain with an edge for perforated grids

This drain is designed to take perforated grids. The stainless steel edge makes an elegant border between the tiles and the grid. Water flows into the drain both at the edges and through the perforations in the grid. It can therefore be positioned on the floor or near the wall of the shower area.



LOW DRAIN INSTALLATION HEIGHTx

APZ1	85 mm		APZ1001	85 mm	
side outlet, standard height			bottom outlet, standard height		
APZ101	55 mm		APZ1101	55 mm	
side outlet, reduced height			bottom outlet, reduced height		

STAINLESS STEEL

LINE

stainless steel
polished/matt



PURE

stainless steel
polished/matt



CUBE

stainless steel
polished/matt



HOPE

stainless steel
polished/matt



BUBBLE

stainless steel
polished/matt



DREAM

stainless steel
polished/matt



ALCA NEW TAILOR-MADE

It is possible to place different logos or designs on the ALCA linear drains, so the product can be "tailor made" for our partners.

ALCA DRAINS ADVANTAGES

- high flowrate (68 l/min.)
- 100% easy clean trap
- low installation height
- complete technical and design solutions
- complete package including accessories
- 25 year warranty

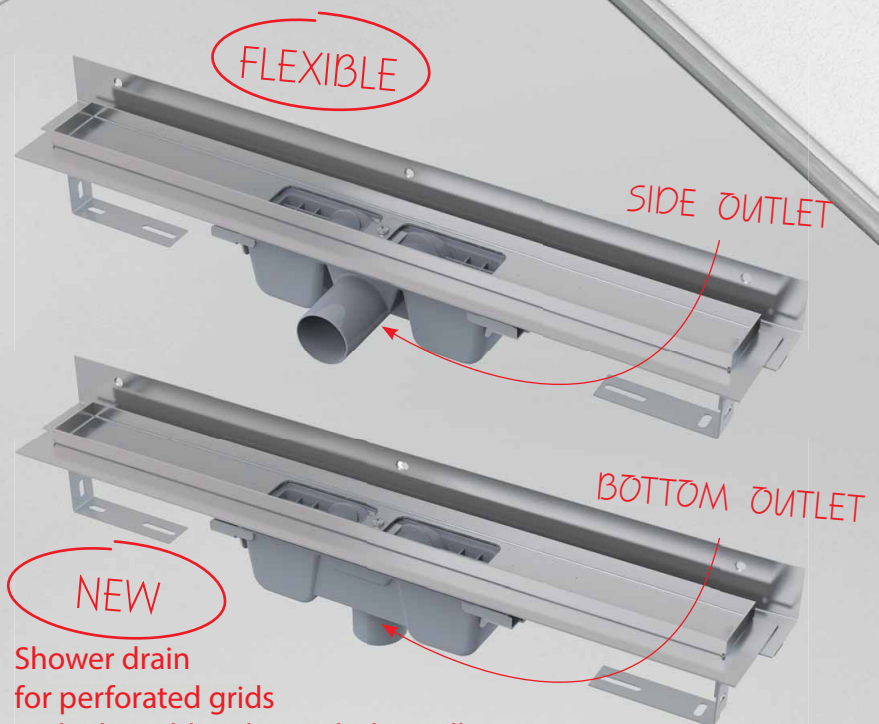
Perforated grids

ALCA grids are manufactured with a strong emphasis on the quality of both the materials employed and the manufacturing process itself, using the latest technology and procedures. The final finish can be either a high polish or matt brushed, and all sharp edges are removed as a matter of course.

The stainless steel specification is DIN 1.4301 (ČSN 17240), although a higher specification is possible if required. They have a Class K3 rating for load resistance (Czech standards, ČSN EN 1253).

LINEAR SHOWER DRAINS

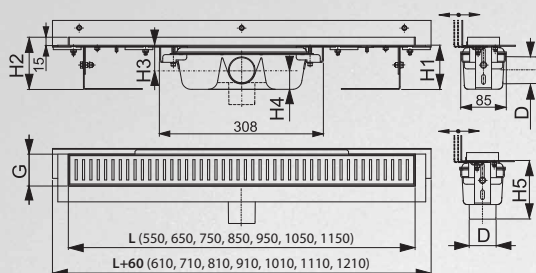
APZ4 Flexible
APZ104 Flexible Low
APZ1004 Flexible
APZ1104 Flexible Low



Shower drain for perforated grids and adjustable edge with the wall

This drain is designed to take perforated grids. The stainless steel edge also makes an elegant border between the tiles and the grid. Water flows into the drain both at the edges as well as through perforations in the grid. When placed directly against the wall. The vertical adjustable edge allows for easy installation and assures a water-tight fit whatever the thickness of the tiles used on the shower walls.

	APZ4/1004	APZ104/1104
outlet	side	bottom
minimum floor thickness (H1)	85 mm	55 mm
total installation height (H2)	100 – 158 mm	70 – 96 mm
height from the axis of the waste to the flange (H3)	48/- mm	33,5/- mm
height from the axis of the waste to the bottom of the trap (H4)	36/- mm	21,5/- mm
installation height to the waste (H5)	-/111 mm	-/100 mm
shower drain channel width (G)	60 mm	60 mm
flow rate (ČSN EN 1253)	60/68,8 l/min.	35/44 l/min.
outlet pipe diameter (D)	Ø50	Ø40
load class (ČSN EN 1253)	K3 = 300 kg	K3 = 300 kg
movable flange	10 – 15 mm	10 – 15 mm



LOW DRAIN INSTALLATION HEIGHT

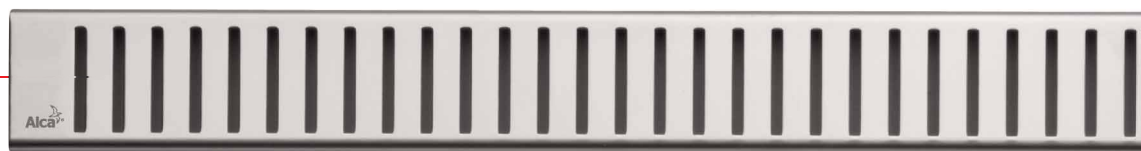
APZ4	85 mm		APZ1004	85 mm	
side outlet, standard height			bottom outlet, standard height		
APZ104	55 mm		APZ1104	55 mm	
side outlet, reduced height			bottom outlet, reduced height		

STAINLESS STEEL

LINE
stainless steel
polished/matt



PURE
stainless steel
polished/matt



CUBE
stainless steel
polished/matt



HOPE
stainless steel
polished/matt



BUBLE
stainless steel
polished/matt



DREAM
stainless steel
polished/matt



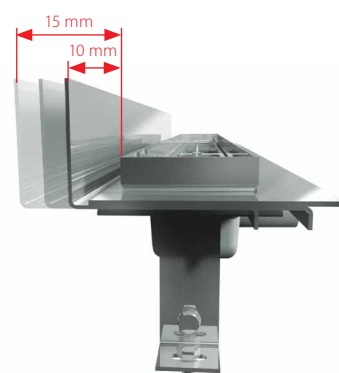
ALCA **NEW** TAILOR-MADE

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Adjustable vertical flange

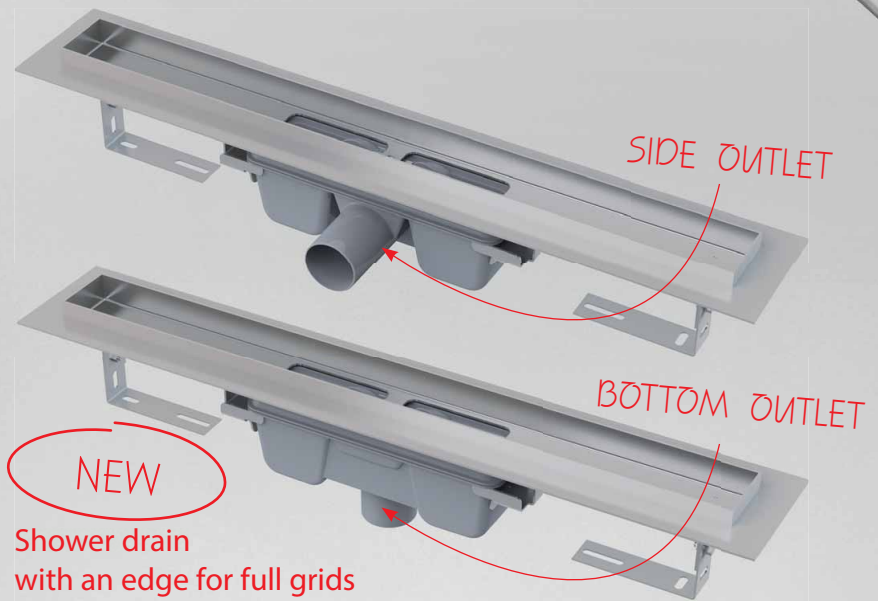
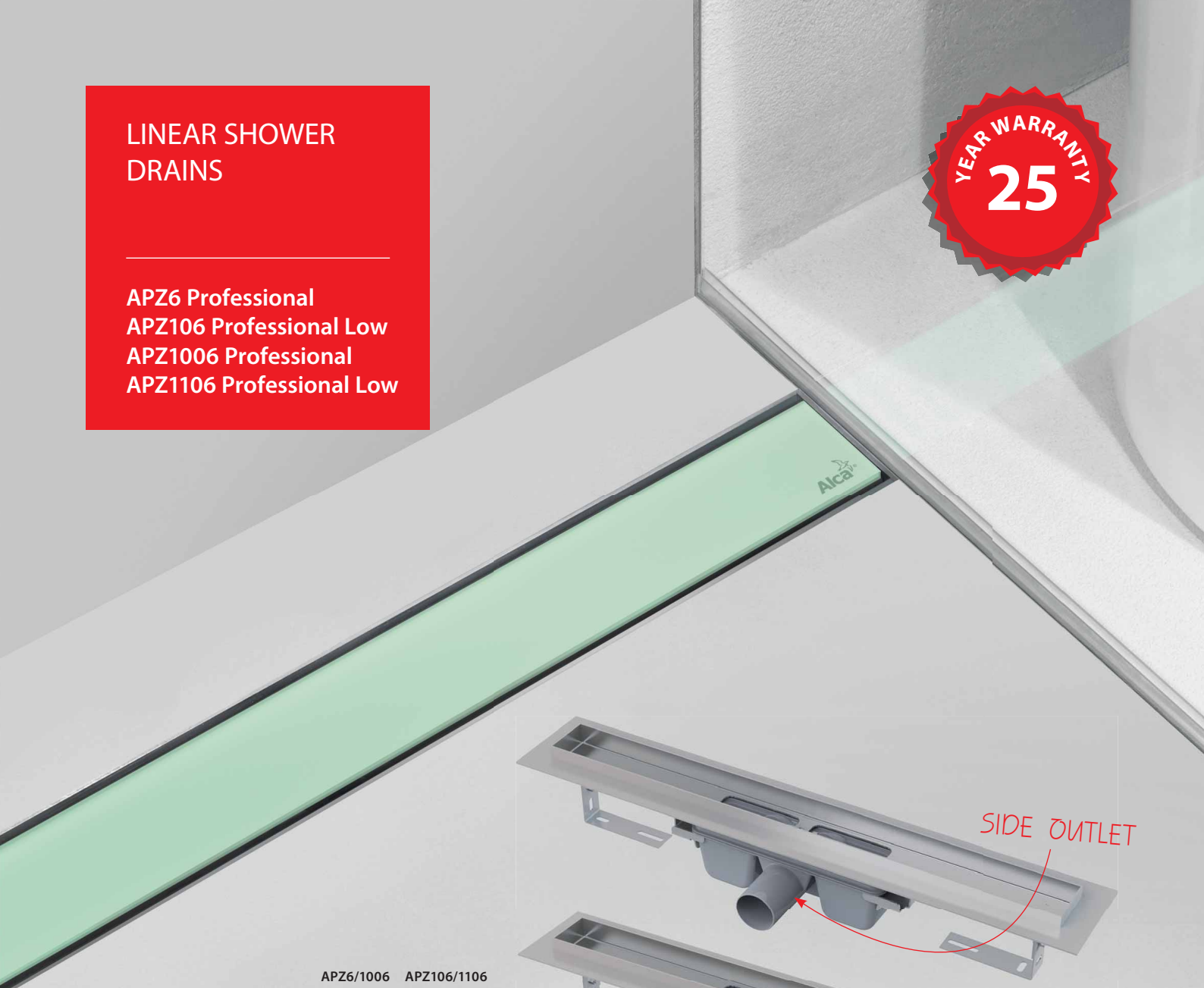
The APZ4, APZ104 Low, APZ1004 and APZ1104 Low shower drains are designed to be installed against the wall of the shower, where the wall meets the floor. The vertical water-proofing flange can be adjusted to suit wall tiles 6 – 12 mm in thickness, eliminating the need to compensate for any differences in tile thickness with glue.

Unlike other shower drains, the FLEXIBLE drain is attached to the wall using a vertical flange that is then covered with a waterproof membrane and wall tiles, thus ensuring a better degree of water-proofing. Grading the floor towards the wall is also easier.



LINEAR SHOWER DRAINS

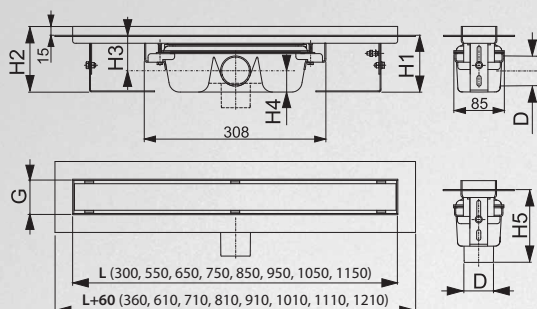
APZ6 Professional
APZ106 Professional Low
APZ1006 Professional
APZ1106 Professional Low



	APZ6/1006	APZ106/1106
outlet	side	bottom
minimum floor thickness (H1)	95 mm	65 mm
total installation height (H2)	110 – 168 mm	80 – 106 mm
height from the axis of the waste to the flange (H3)	59/- mm	44,5/- mm
height from the axis of the waste to the bottom of the trap (H4)	36/- mm	21,5/- mm
installation height to the waste (H5)	- 122 mm	-/110 mm
shower drain channel width (G)	60 mm	60 mm
flow rate (ČSN EN 1253)	60/68,8 l/min.	35/44 l/min.
outlet pipe diameter (D)	Ø50	Ø40

Shower drain with an edge for full grids

This drain is designed for the fitting of perforated grids. The stainless steel edge makes an elegant transition between the tiles and the grid. Water flows into the drain at the edges and through perforations in the grid. It can be positioned on the floor or near the wall of the shower area.



LOW DRAIN INSTALLATION HEIGHT

APZ6	95 mm		APZ1006	95 mm	
side outlet, standard height			bottom outlet, standard height		
APZ106	65 mm		APZ1106	65 mm	
side outlet, reduced height			bottom outlet, reduced height		

GLASS

GP1204

black glass – stainless
steel matt



GL1200

white glass



GL1202

green glass



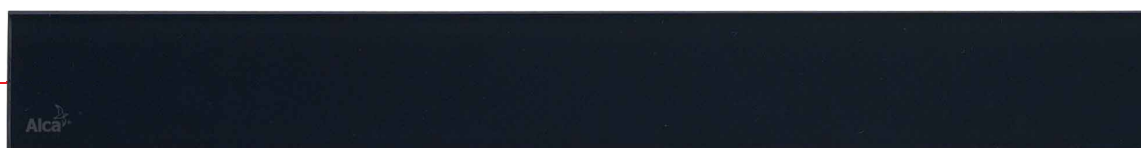
GL1203

brown glass



GL1204

black glass



ALCA NEW TAILOR-MADE

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ALCA DRAINS ADVANTAGES

- high flowrate (68 l/min.)
- 100% easy clean trap
- low installation height
- complete technical and design solutions
- complete package including paccessories
- 25 year warranty

Available range of full grids for shower drains
APZ6, APZ106 Low, APZ1006 and APZ1106 Low, grouped
according to the appearance of the material used:

DESIGN – stainless steel, with a rounded edge
POSH – stainless steel, with clean lines and well-defined edges
GL line – tempered glass
GP line – combination of stainless steel and tempered glass
MI line – artificial stone
MP line – combination of artificial stone and stainless steel
More information on pages 14 – 15

STAINLESS STEEL

DESIGN

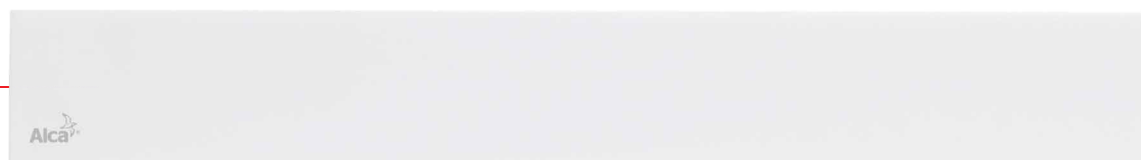
stainless steel
polished/matt



MINERAL

MI1200

artificial white stone



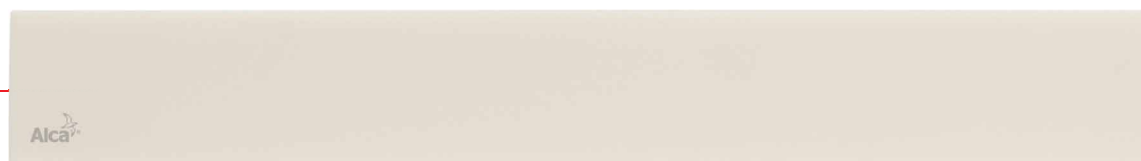
MI1205

artificial black stone



MI1206

artificial sand stone



MI1207

artificial granite



Quality and luxury combined – these are the new ALCA grids

The grids are based on stainless steel U-profiles DIN 1.4301 (ČSN 17240), although a higher specification is possible if required.

On this U-Profile we can attach a solid plate of stainless steel, tempered glass or artificial stone.

STAINLESS STEEL

These grids have the following codes:

DESIGN – the basis is again a stainless steel U-profile, with rounded edges. Two different finishes are available: polished and brushed matt.

POSH – a solid stainless steel plate is attached to the standard U-profile, with clean lines and well-defined edges, and a brushed matt finish.

Load class – K3.

STAINLESS STEEL

POSH
stainless steel matt



MINERAL/ STAINLESS STEEL

MP1200
artificial white stone –
stainless steel matt



MP1205
artificial black stone –
stainless steel matt



MP1206
artificial sand stone –
stainless steel matt



MP1207
artificial granite –
stainless steel matt



GLASS

These grids have the following codes:

GL line – tempered glass

GP line – a combination of tempered glass and stainless steel

The grids are based on stainless steel U-profiles to which a solid piece of tempered glass has been attached, available in a range of colours and with a high gloss finish. The special, toughened glass conforms to the relevant safety regulations ČSN EN 12150-2.

Load class – H1,5.

MINERAL

These grids have the following codes:

ML line – artificial stone

MP line – a combination of artificial stone and stainless steel

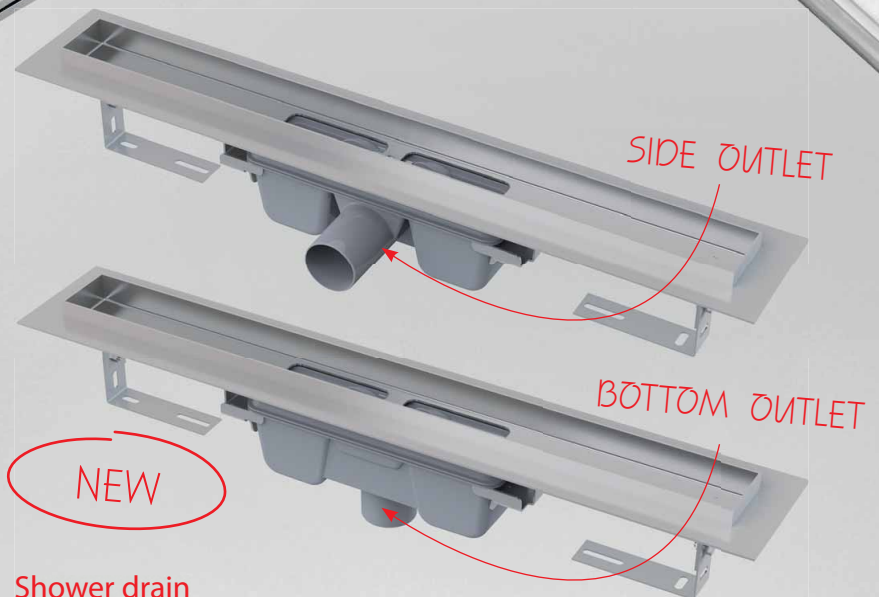
The grids are based on stainless steel U-profiles to which a solid, polished block of artificial stone has been attached, available in a range of colours and with a matt finish.

Grids are resistant to breaking, cleaning agents and other chemicals. Thanks to their low thermal conductivity, they are not cold when touched. Unsightly stains from drops of water that have dried on its surface are relatively inconspicuous.

Load class – H1,5.

LINEAR SHOWER DRAINS

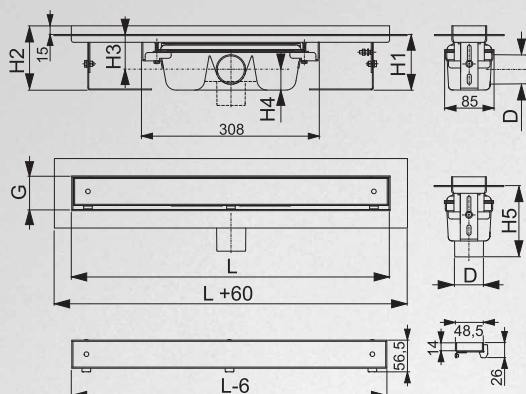
APZ7 Floor
APZ107 Floor Low
APZ1007 Floor
APZ1107 Floor Low



	APZ7/1007	APZ107/1107
outlet	side	bottom
minimum floor thickness (H1)	95 mm	65 mm
total installation height (H2)	110 – 168 mm	80 – 106 mm
height from the axis of the waste to the flange (H3)	59/- mm	44,5/- mm
height from the axis of the waste to the bottom of the trap (H4)	36/- mm	21,5/- mm
installation height to the waste (H5)	-/122 mm	-/110 mm
shower drain channel width (G)	60 mm	60 mm
flow rate (ČSN EN 1253)	60/68,8 l/min.	35/44 l/min.
outlet pipe diameter (D)	Ø50	Ø40
load class (ČSN EN 1253)	K3 = 300 kg	K3 = 300 kg

Shower drain with a border designed to take grids with embedded tiles

This drain is designed to take grids with embedded tiles or waterproof wood, where the stainless steel edge forms an elegant border between the tiles and the embedded drain cover. Water flows into the drain only between the edge and the grid, and it can be positioned on the floor or near the wall of the shower area.



LOW DRAIN INSTALLATION HEIGHT

APZ7	95 mm		APZ1007	95 mm	
		side outlet, standard height			bottom outlet, standard height
APZ107	65 mm		APZ1107	65 mm	
		side outlet, reduced height			bottom outlet, reduced height

FLOOR
grids are always
included



The recess in the grid has a specially roughened surface to facilitate bonding with the glue used for embedding the tiles.

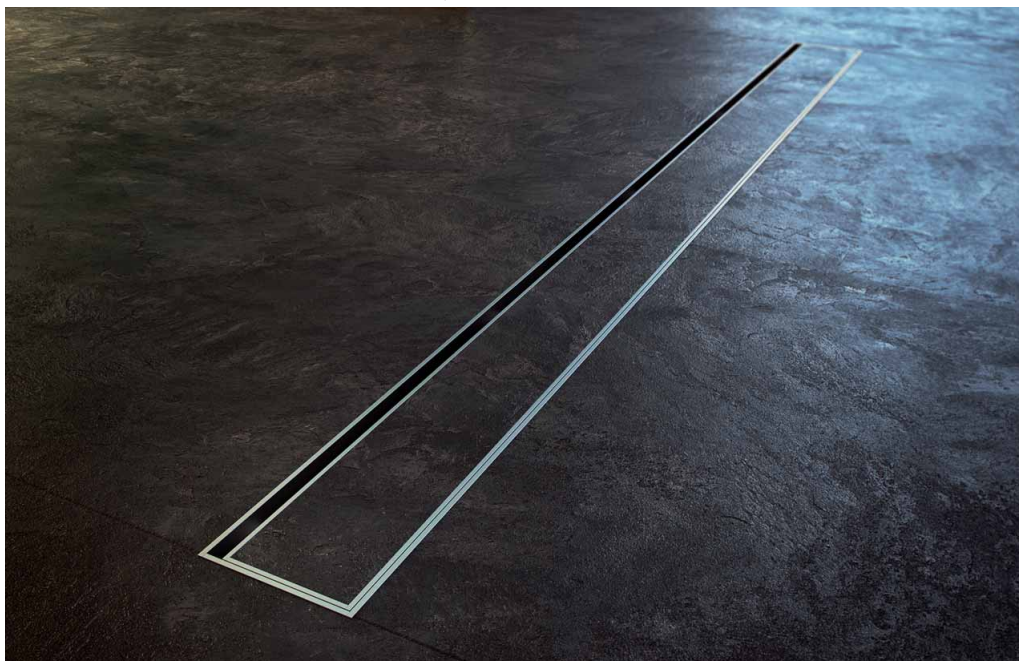
sample grid with
embedded tiles



sample grid with
embedded waterproof
wood



By embedding the tile into the grid, the shower floor presents an almost un-broken surface, with an inconspicuous gap for the water to drain away.



Metal comb for easy
and quick application
of the adhesive into the
FLOOR grid. The metal
comb is included in the
packaging.



NEW

ALCA DRAINS ADVANTAGES

- high flowrate (68 l/min.)
- 100% easy clean trap
- low installation height
- complete technical and design solutions
- complete package including accessories
- 25 year warranty

Grid Floor

Grid floor is always included with the drain unit, comprising an electro-chemically polished stainless steel U-profile. The inner side of this profile has a special covering with a specially roughened surface to facilitate bonding with the glue for the tiles.

Water proof wood can also be embedded into the grid recess.

The stainless steel specification is DIN 1.4301 (ČSN 17240), although a higher specification is possible if required. The load resistance rating is K3 (Czech standards, ČSN EN1253).

WASTE SYSTEM

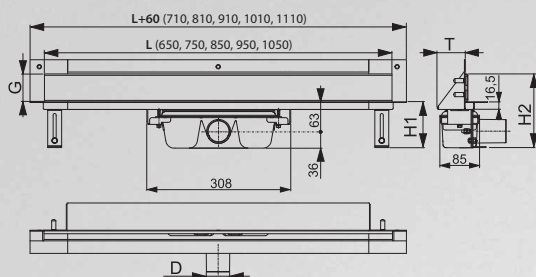
APZ5 Spa



Drain system for installation in walls

This system is designed for installation at the base of walls, where the cover is placed onto the drain body, and forms part of the wall tiling. The cover comes in a stainless steel polished or matt finish, or can be adapted to take embedded tiles. Water flows into the drain only between the edge of the floor tiles and the cover of the drain system. This wall-mounted design is ideal for busy areas with a lot of people, such as pools, spas and wellness centres.

	APZ5
minimum floor thickness (H1)	100 mm
total installation height (H2)	165 – 220 mm
grid width (G)	60 mm
flow rate (ČSN EN 1253)	60 l/min.
outlet pipe diameter (D)	Ø50
construction depth (T)	64 mm



STAINLESS STEEL

EDEN
stainless steel polished



SHADE
stainless steel matt



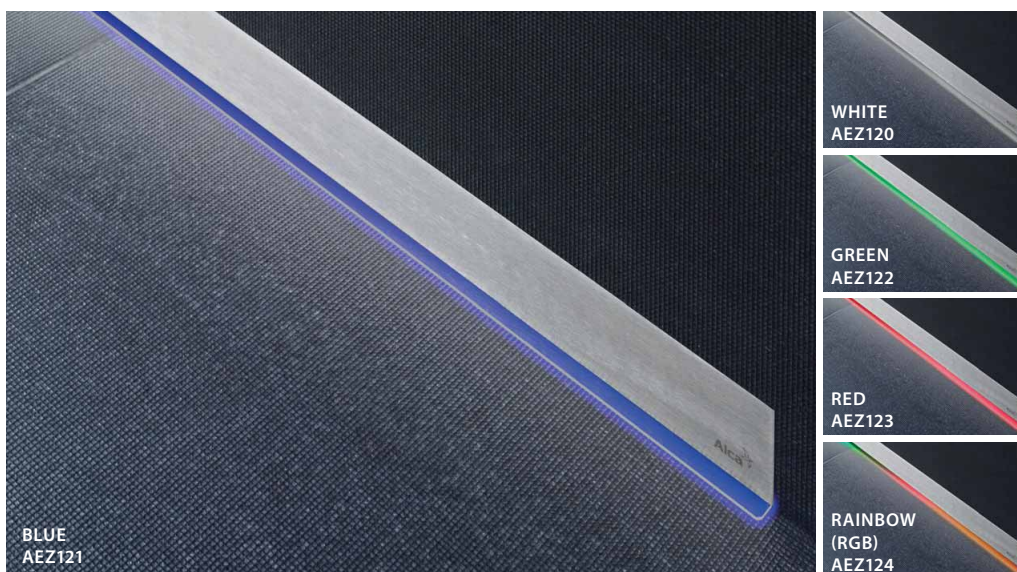
TWIN
for embedding tiles



ALCA LIGHT

ALCA LIGHT is a lighting system for our Spa drain, using an LED strip operating off a 12V DC current, and is fitted to the drain body during assembly at the factory.

We offer all standard primary colours, and also a RAINBOW option which gives a smooth transition between all of these colours and can be remotely controlled.



ALCA **NEW** TAILOR-MADE

It is possible to place different logos or designs on the ALCA linear drains, so the product can be "tailor made" for our partners.

ALCA DRAINS ADVANTAGES

- high flowrate (68 l/min.)
- 100% easy clean trap
- not subjected to mechanical stress
- complete technical and design solutions
- complete package including accessories
- 25 year warranty

Cover system Spa

The cover is attached to the drain body with magnets pinned onto special magnetic stainless steel and therefore is also easily removable. This allows easy cleaning of the entire system. It is also vertically adjustable, allowing the use of various tile widths. Cover width – 60 mm.

CORNER SHOWER DRAINS

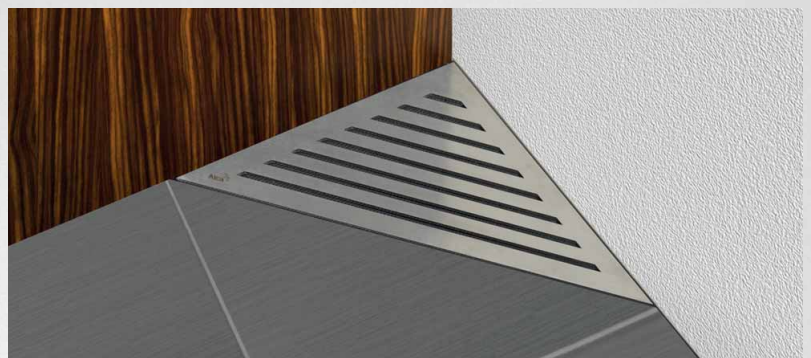
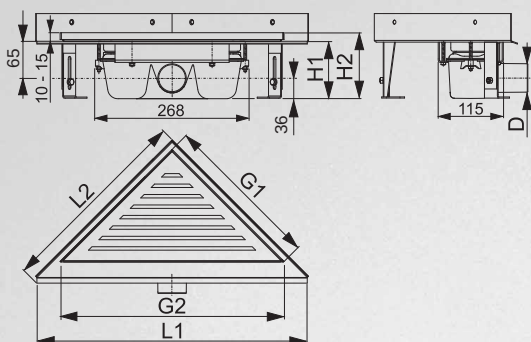
ARZ1



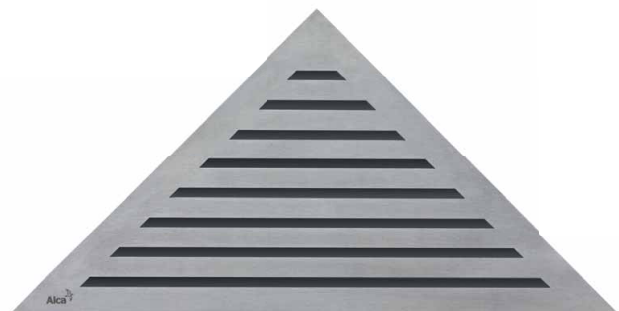
Corner shower drains without an edge for perforated corner grids

This drain is intended to be installed in the corner of the shower area only, where two water- proofed walls come together. The vertical flange allows for a simple installation and a water- tight connection. Solid perforated grids are inserted into the drain. The stainless steel edge makes an elegant border between the tiles and the grid. Water flows into the drain at the edges and through perforations in the grid.

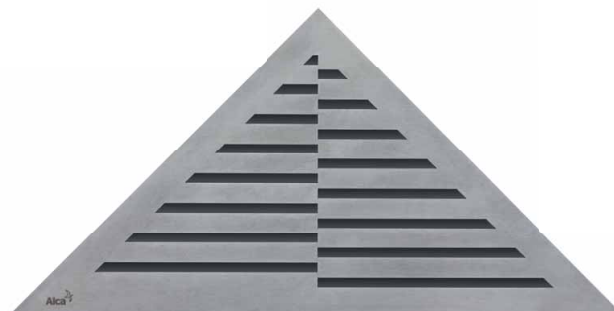
	ARZ1
minimum floor thickness (H1)	100 mm
total installation height (H2)	110 – 170 mm
flow rate (ČSN EN 1253)	60 l/min.
outlet pipe diameter (D)	Ø50
load class (ČSN EN 1253)	K3 = 300 kg
drain dimensions (L1 × L2)	475 × 340 mm
grid dimensions (G1 × G2)	270 × 382 mm



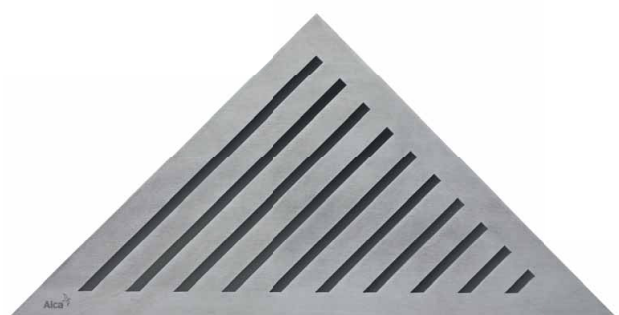
STAINLESS STEEL



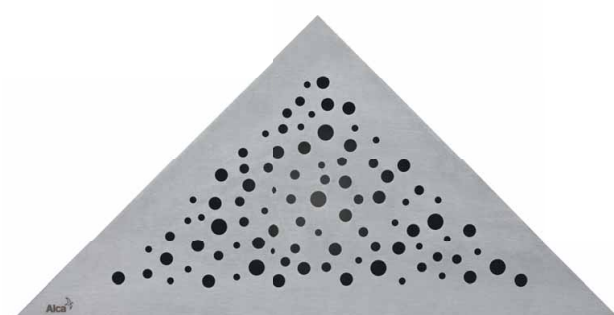
LIFE
stainless steel matt



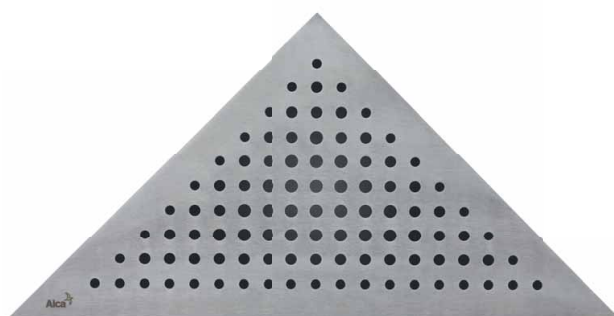
TIME
stainless steel matt



GRACE
stainless steel matt



VIEW
stainless steel matt



TRITON
stainless steel matt

ALCA ^{NEW} TAILOR-MADE

It is possible to place different logos or designs on the ALCA linear drains, so the product can be "tailor made" for our partners.

ALCA DRAINS ADVANTAGES

- high flowrate (68 l/min.)
- 100% easy clean trap
- grid made from 4mm quality stainless steel
- complete technical and design solutions
- complete package including accessories
- 25 year warranty

Solid perforated grids

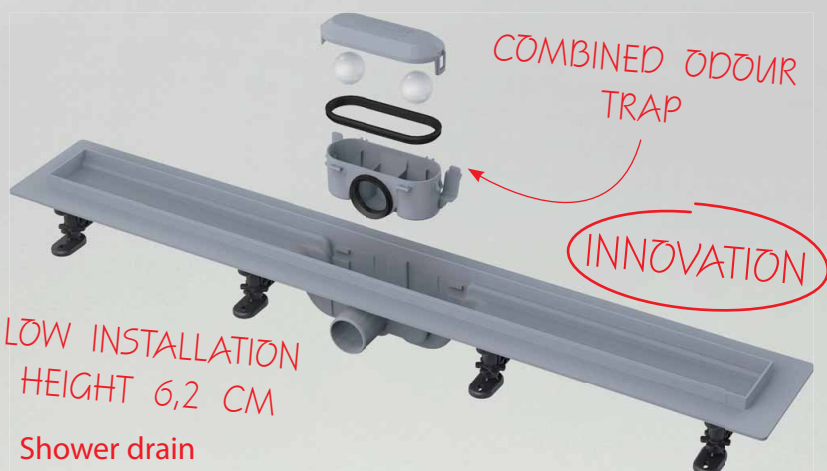
Grids are made from high quality, 4mm thick solid stainless steel, in a brushed matt finish.

The weight and quality reflect the exclusive nature of these products.

The standard stainless steel specification is DIN 1.4301 (ČSN 17240), although a higher specification is possible if required.

PLASTIC LINEAR SHOWER DRAINS

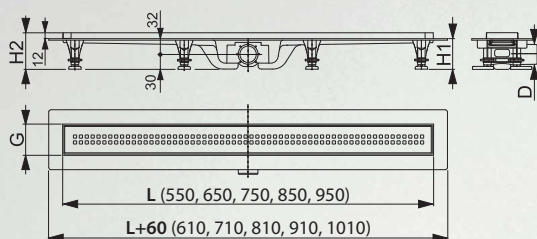
APZ8 Simple
APZ9 Simple
APZ10 Simple



Shower drain with an edge for perforated grids

This drain is designed to take perforated grids. Water flows into the drain both at the edges and through the perforations in the grid. The combined odour trap provides protection against odours from the sewage even after the water dries out from the waste. It can therefore be positioned on the floor or near the wall of the shower area. Height adjustable plastic legs allow a quick and convenient installation.

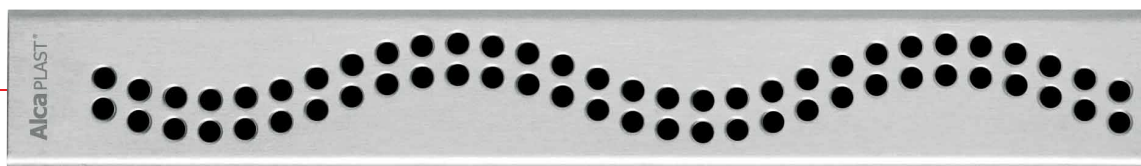
	APZ8/9/10
minimum floor thickness (H1)	62 mm
total installation height (H2)	75 – 110 mm
shower drain channel width (G)	63 mm
flow rate (ČSN EN 1253)	30 l/min.
outlet pipe diameter (D)	Ø40
load class (ČSN EN 1253)	K3 = 300 kg



STAINLESS STEEL

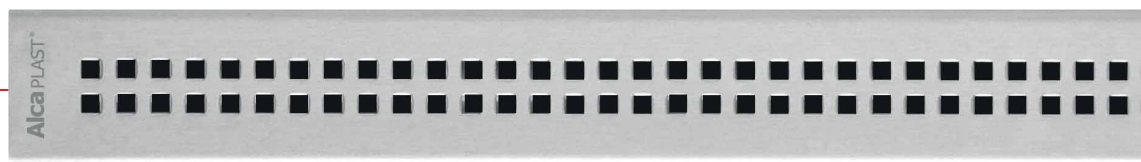
APZ8

stainless steel matt
the grid is included



APZ9

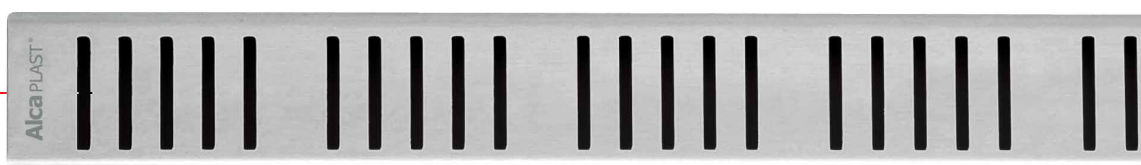
stainless steel matt
the grid is included



NEW

APZ10

stainless steel matt
the grid is included



TECHNICAL INFORMATION

SUPPORTING ELEMENTS

Installation legs

- easy installation
- convenient and quick anchoring to the floor
- accurate and solid straight surface setting
- material PP



ALL IN THE PACKAGE

Package content of linear plastic drains

- shower drain
- grid
- waterproofing tape
- combined odour trap SMART
- anchor kit (screws, dowels)
- installation legs



ADVANTAGES OF PLASTIC LINEAR DRAINS

- grid included in the price of the drain
- easy cleaning up to the waste pipe
- low construction height of only 6,2 cm – suitable also for reconstruction
- increased resistance against chemicals
- complet package

Plastic linear shower drains

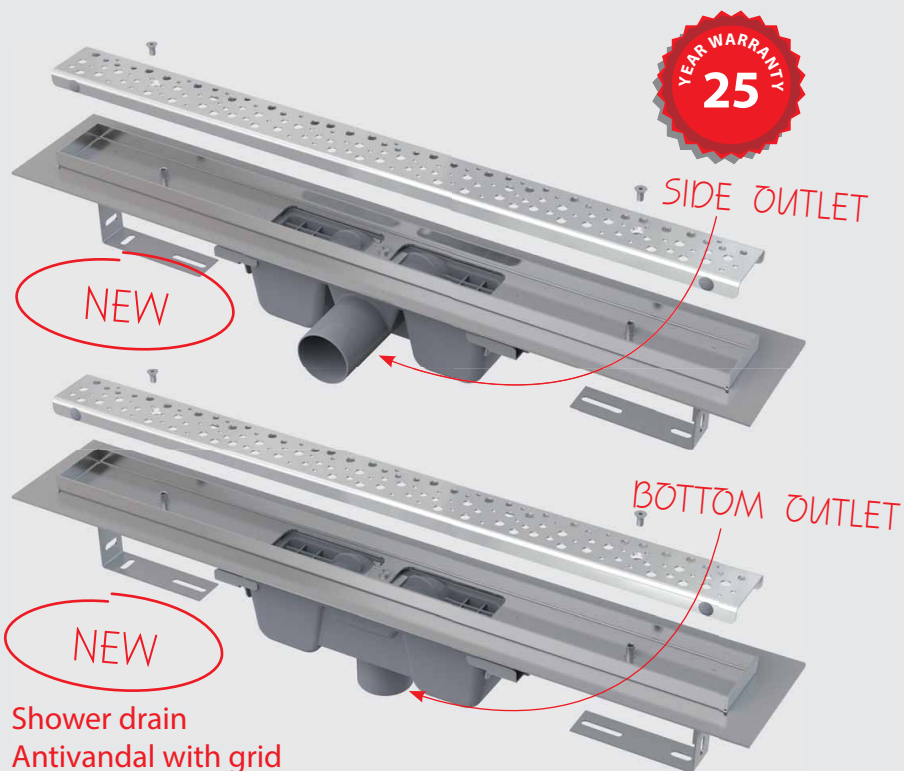
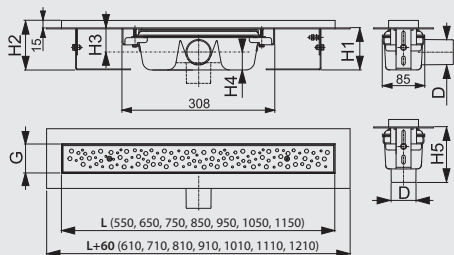
The plastic linear shower drains are thanks to their low construction height of only 6,2 cm suitable for reconstruction of residential houses. They are made from highly durable plastic that resists frost and chemicals and is fully cleanable up to the waste pipe. Each package includes the complete drain set with grid and accessories.

There are three grid design options available.

LINEAR SHOWER DRAINS ANTIVANDAL

APZ11
APZ111 Low
APZ1011
APZ1111 Low

	APZ11/1011	APZ111/1111
minimum floor thickness (H1)	85 mm	55 mm
total installation height (H2)	100 – 158 mm	70 – 96 mm
height from the axis of the waste to the flange (H3)	48/- mm	33,5/- mm
height from the axis of the waste to the bottom of the trap (H4)	36/- mm	21,5/- mm
installation height to the waste (H5)	-/111 mm	-/100 mm
shower drain channel width (G)	60 mm	60 mm
flow rate (ČSN EN 1253)	60/68,8 l/min.	35/44 l/min.
outlet pipe diameter (D)	Ø50	Ø40
load class (ČSN EN 1253)	K3 = 300 kg	K3 = 300 kg



Shower drain Antivandal with grid

Linear shower drains Antivandal are designed for areas with high turnover of people. The grid is attached to the drain body using screws so that it can not be removed without special tools Included with the linear drain is the BUBLE grid.

LOW DRAIN INSTALLATION HEIGHT

APZ11	85 mm	side outlet, standard height
APZ1011	85 mm	bottom outlet, standard height
APZ111	55 mm	side outlet, reduced height
APZ1111	55 mm	bottom outlet, reduced height

LINEAR SHOWER DRAINS WITHOUT THE ODOUR TRAP

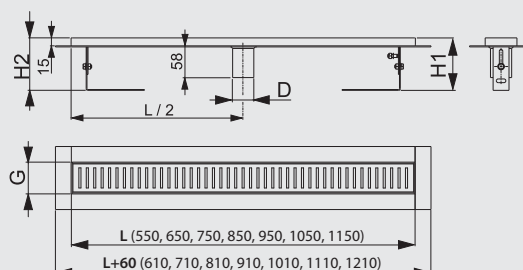
APZ2001

	APZ2001
minimum floor thickness (H1)	85 mm
total installation height (H2)	100 – 158 mm
shower drain channel width (G)	60 mm
flow rate (ČSN EN 1253)	90 l/min.
outlet pipe diameter (D)	Ø40
load class (ČSN EN 1253)	K3 = 300 kg



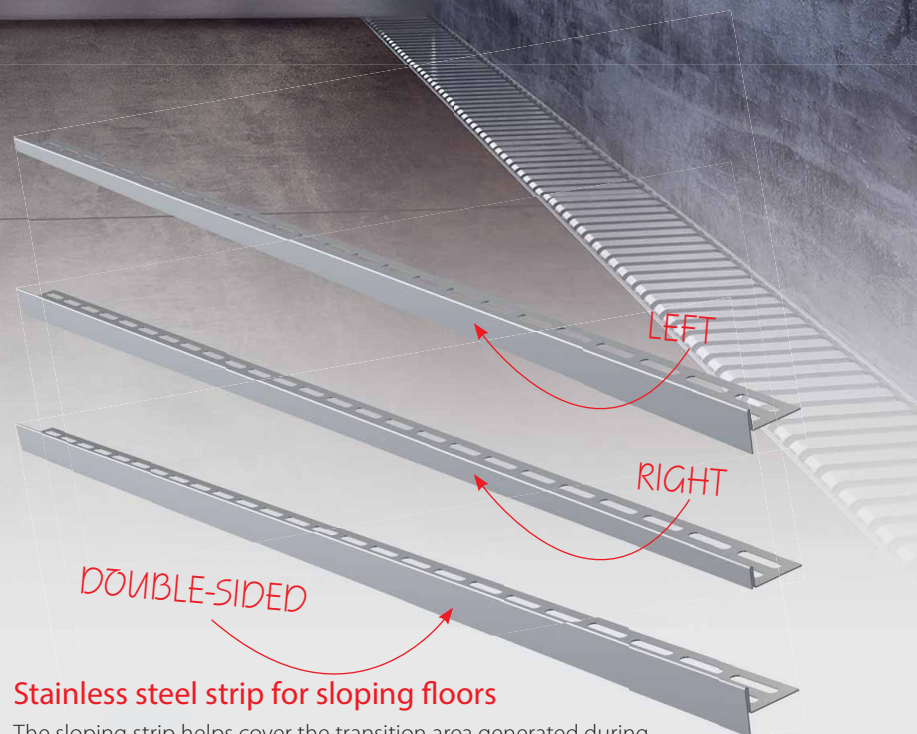
Shower drain with an edge for perforated grids, without trap

This drain is designed for inserting perforated grids. The stainless steel edge makes an elegant border between the tiles and the grid. Water flows into the drain both over the edges and through the perforations in the grid. It can therefore be positioned in open areas or near the wall of the shower. This linear drain does not include an odour trap and makes it suitable for outdoor use or for connecting to central siphon.



STAINLESS STEEL STRIP FOR SLOPING FLOORS

APZ901M
APZ902M
APZ903M
APZ904M
APZ905M
APZ906M

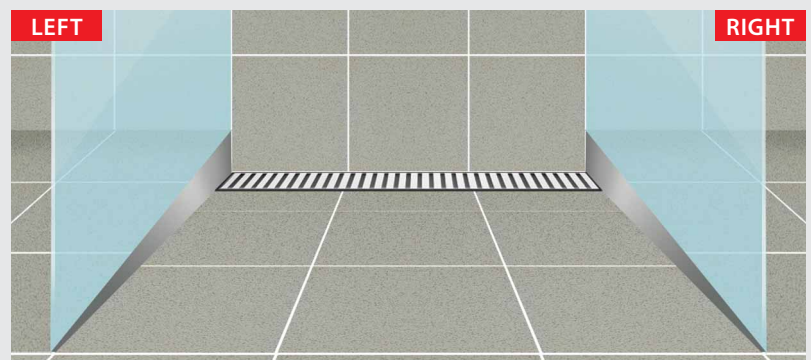
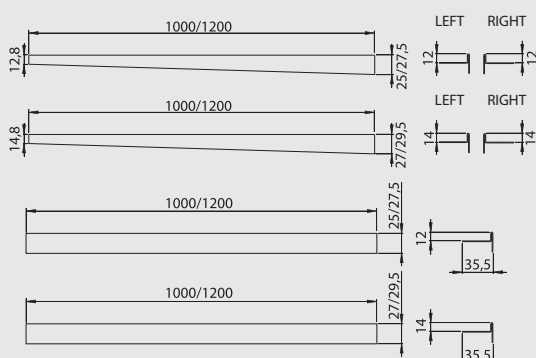


product code	collar height	strip length (mm)	material	version
APZ901M	12	1 000/1 200	stainless steel matt	left
APZ902M	12	1 000/1 200	stainless steel matt	right
APZ903M	14	1 000/1 200	stainless steel matt	left
APZ904M	14	1 000/1 200	stainless steel matt	right
APZ905M	12	1 000/1 200	stainless steel matt	double-sided
APZ906M	14	1 000/1 200	stainless steel matt	double-sided

Stainless steel strip for sloping floors

The sloping strip helps cover the transition area generated during the construction of the sloped shower and non-sloped part of the floor. It is available with a matt finish, in right, left and double sided versions in lengths of 1000 mm and 1200 mm.

Strips APZ901M, APZ902M and APZ905M are designed for tile thicknesses of 10 mm, while strips APZ903M, APZ904M and APZ906M are for tile thicknesses of 12 mm. Right and left design shall be determined by the direction of the slope paving to the shower tray. The double sided design allows for it to be used as a spacing bar behind the drain and if necessary also as a sloping bar.



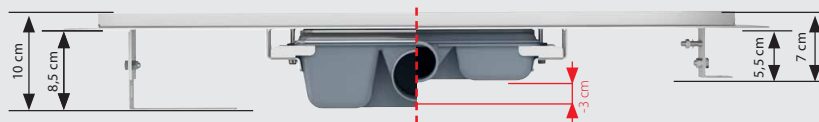
TECHNICAL INFORMATION

LOW INSTALLATION HEIGHT

Low installation height:

55 mm for drains with an outlet pipe diameter of 40 mm (suitable for renovations).

85 mm for drains with an outlet pipe diameter of 50 mm (suitable for new buildings).



25 YEAR WARRANTY

Material used:

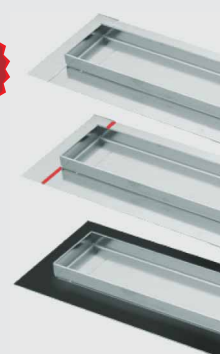
Stainless Steel DIN 1.4301 (ČSN 17240).

Treatments of materials employed:

Pickling and passivation, electrochemical polishing.

Protection against dirt during installation:

The collar and trap are protected by foil, and the channel itself by a styrofoam insert.



HIGH FLOWRATE (68 l/min.)

Maximum water flow:

68 l/min. for drains with an outlet pipe diameter of 50 mm.

35 l/min. for drains with an outlet pipe diameter of 40 mm.

Two traps in one: the high flowrate achieved is due to the double compartment trap system.

Czech standard: ČSN EN 1253



100% EASY CLEAN TRAP

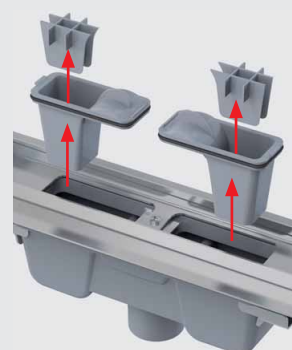
Material used: polypropylene

Construction:

Two outlet compartments, two removable inlet parts and two protective grid traps.

Cleanability:

The protective grid trap will catch most of the dirt, but by removing it and the inlet part you can clean the drain all the way to the waste pipe!



P095 – COMBINED ODOUR TRAP

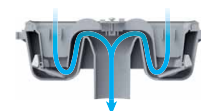
Optional accessories

For the use of the premises, which is expected to lower utilization of the linear shower drain and the associated possibility of drying out of the water trap, such as recreation facilities, utility rooms, premises with seasonal use.

- flow rate 60 l/min.
- compatible with stainless steel linear shower drains APZ1, APZ4, APZ5, APZ6, APZ7, APZ11, APZ1001, APZ1004, APZ1006, APZ1007, ARZ1
- set of 2 pieces for 1 linear shower drain
- possible to replace the built-in linear shower drain



If water does not flow through the waste, the flaps are closed and even when drying of the water-trap they prevent odours passing from the sewer.



When water flow flap is open they allow water to drain.

**COMPLETE
PACKAGE
INCLUDING ALL
ACCESSORIES**

Complete package including all accessories:

- shower drain pre-assembled with a trap
- installation set (bolts, plugs)
- water-proofing tape
- protective foil covering for the collar and inlet pipe, and protective insert for drainage channel



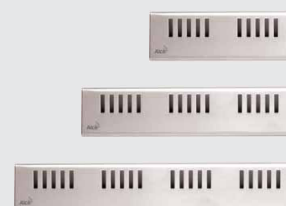
**TAILORED TO
FIT SOLUTIONS
WITHIN 30 DAYS**

Range of lengths: 300 – 2,200 mm for a single section. Lengths greater than 2,200 mm can be achieved by connecting sections as required.

Different edge heights and depths of the drainage channel can be supplied on request.

Traps: Can be positioned wherever the customer wishes and, depending on the water flow, more than one trap can be used in a single drain.

Materials: The standard grade of stainless steel employed is DIN 1.4301 (ČSN 17240). For aggressive environments (e.g. pools), it is stainless steel DIN 1.4404 (ČSN 17349).



**ALCA DRAIN
MINI**

ALCA drain MINI

Length: 300 mm

Application: Universal use as a floor or shower drain.

Advantage: High flowrate of 40 l/min.



1 ALCA drain

2 ALCA waste trap

3 foundation slab

4 concrete screed

5 primer coat

6 waterproofing tape

7 water-proofing material

8 adhesive

9 floor tiles

10 flexible filler

11 installation legs

12 ALCA grid

POSSIBLE POSITIONS FOR ALCA SHOWER DRAINS

APZ1

APZ1001

APZ6

APZ1006

APZ7

APZ1007

APZ2001

APZ11

APZ1011

APZ101 LOW

APZ1101 LOW

APZ106 LOW

APZ1106 LOW

APZ107 LOW

APZ1107 LOW

APZ111 LOW

APZ1111 LOW

APZ8

APZ9

APZ10

Installation near wall, closed

Grid close to the wall, with floor sloping in one direction to the back wall of the shower and no risk of flooding to the bathroom. The shower drain does not have to be the same width as the shower enclosure, it can be shorter.



Installation near wall, open

Grid close to the wall, with floor sloping in three directions towards the drain and no risk of flooding to the bathroom. The shower drain does not have to be the same width as the shower enclosure, it can be shorter. We recommend that the whole bathroom floor is sloped towards the shower drain. In public shower areas several drains can be placed side by side.



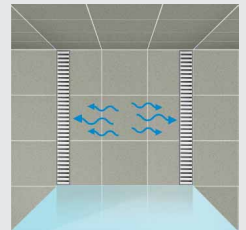
Installation near door, closed

The floor slopes from the wall in one direction towards the shower drain. We recommend that the whole bathroom floor slopes in the direction of the shower drain too. Drain width must be the exact width of the shower enclosure.



Installation near door, open

Surface slopes in two directions towards the shower drains. We recommend that the whole bathroom floor slopes towards both drains. Drain width must be the exact width of the shower enclosure.



APZ4

APZ1004

APZ104 LOW

APZ1104 LOW

Installation near wall, closed

Grid positioned right next to the wall, with the floor sloping in one direction towards the shower enclosure wall and no risk of flooding to the bathroom. The shower drain itself does not have to be the same width as the shower enclosure, it can be shorter.



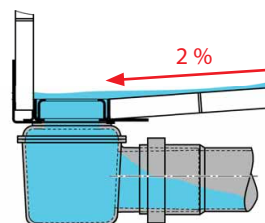
Installation near wall, open

Grid positioned right next to the wall, with the floor sloping in three directions towards the drain. We recommend that the whole bathroom floor slopes towards the shower drain, and for public bathing areas several drains can be placed side by side.

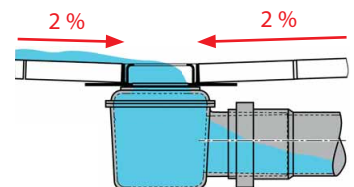


FLOOR SLOPE

For proper drainage of water it is necessary to have a minimum of 2% slope toward the shower drain. In practice, this means a 2 cm difference in height for each 1 meter of floor surface. It is very important to apply the isolating layers correctly and in the right order – see section drawing on page 27.



INSTALLATION AGAINST
THE WALL



INSTALLATION AT THE
ENTRANCE (WITHOUT
OVERFLOW)

APZ5

Installation near wall, closed

The inlet of the system is installed in the shower wall and the floor slopes in one direction towards the wall, with no risk of flooding to the bathroom. The shower drain itself does not have to be the same width as the shower enclosure, it can be shorter.



Installation near wall, open

The inlet of the system is installed in the shower wall and the floor slopes in three directions towards the drain. We recommend that the whole bathroom floor is sloped towards the shower drain and, in public shower areas, several drains can be placed side by side.



ARZ1

Installed in the corner of the shower area

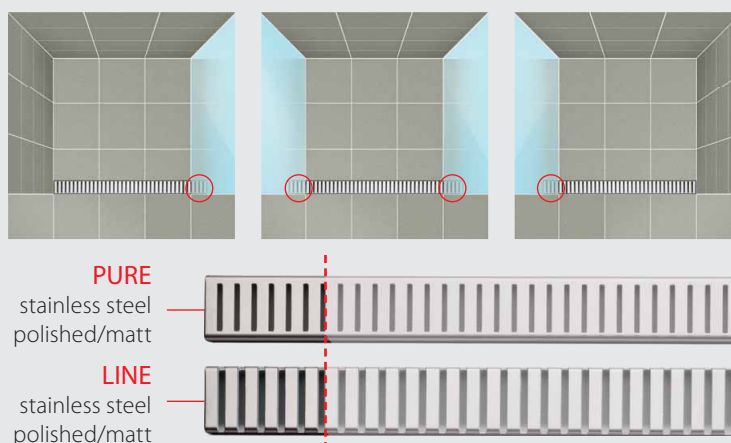
Grid is placed directly next to the solid walls with the whole floor of the shower area sloping toward the free side of the drain.



WHAT IF THE GRID IS LONGER THAN THE WIDTH OF THE SHOWER ENCLOSURE? ALCA HAS THE SOLUTION

When installing shower screens, mis-calculations involving the length of the shower drain can lead to the grid being trapped under the screens (because the grid is longer than the width of the shower enclosure). This makes removal of the grid and subsequent cleaning of the drain and trap impossible.

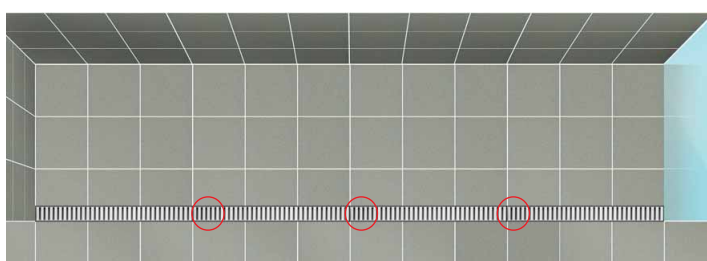
To solve this problem we have introduced 100 mm grid lengths, named LINE-100 and PURE-100 (in polished or matt finishes). These 100 mm sections are placed in the drain channel right under the areas where the screens would otherwise block the standard grid, and in the remaining part of the channel a grid which is 100 mm shorter than the drain length is used. LINE-100 and PURE-100 are designed so that the break between the two grids is inconspicuous.



MODULE SYSTEM

The use of linear shower drains in public areas (swimming pools, spa's and wellness centres) usually requires non-standard drain lengths. The longest single unit for ALCA linear drains is 2,200 mm. For lengths greater than 2,200 mm, we can offer two solutions:

1. Modular system – a number of standard-length drain sections are connected on site using flanged joints and seals.
2. Continuous system (single strip) – drain sections are welded together on site, this gives a continuous drain channel across the whole length.



INSTALLATION



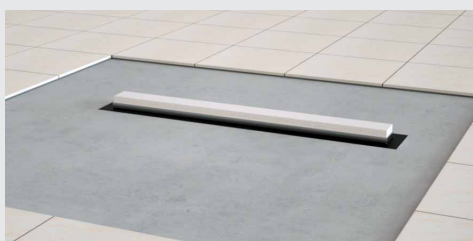
1 Preparation

Carefully read instructions before installing.
Make sure you have the correct length of drain.



2 Placing in position

Fix the shower drain in place using the anchoring bolts supplied.
Adjust the height so that the correct angle of slope towards the drain is maintained and, by placing a level on the collar, ensure the drain is horizontal.
Connect the trap to the waste pipe.



3 Concreting

Pour the concrete up to the isolating flange. The surface of the set concrete, up to 10 cm around the drain channel, should be covered by a primer.



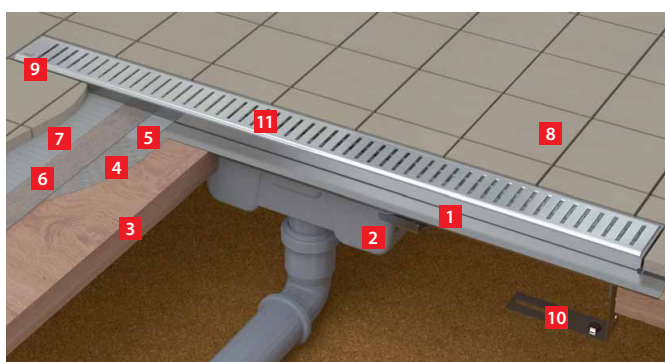
4 Waterproofing

Remove the protective foil covering the collar and then, using the self-adhesive, waterproofing tape supplied, cover the whole surface of the collar all around the drain. The protruding part of the tape is to be fixed on the concrete. Cover the concrete with an additional waterproofing layer up to the edges of the drain channel including the tape on the collars, or use a waterproofing foil.



5 Tile installation

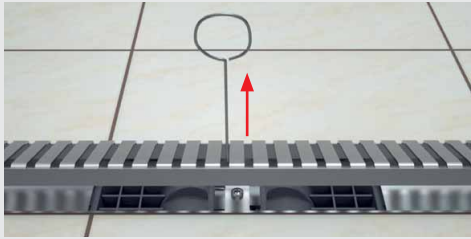
Place the tiles in position. The gap between the tiles and the drain should be filled with an elastic putty.



FLOOR DRAIN INSTALLATION IN WOOD CONSTRUCTION

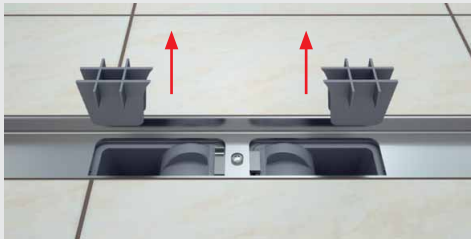
- | | | | |
|---|-------------------------|----|-------------------|
| 1 | ALCA drain | 7 | adhesive |
| 2 | ALCA waste trap | 8 | floor tiles |
| 3 | floor board | 9 | flexible filler |
| 4 | primer coat | 10 | installation legs |
| 5 | waterproofing tape | 11 | ALCA grid |
| 6 | water-proofing material | | |

STAINLESS STEEL DRAINS MAINTENANCE



1 Grid removal

The grid is removed using the hook supplied. Make sure this hook is not lost during the installation process! Wash the drain channel with a jet of water.



2 Coarse dirt

The removable grid trap captures coarse particles of dirt and, once removed, can be cleaned under a jet of water.



3 Safety lock

Turn the safety lock of the odour compartments by 90 °.



4 Odour trap

Remove the odour trap parts, use a swinging movement from side to side in the direction of the longer edge towards the channel.

To re-insert the odour trap parts, it is important to insert the side where the grid trap fits first (further from the safety lock in the middle), then push in the side with the full cover (the one pointing towards the safety lock in the middle). Then, to secure the odour trap from floating, turn the safety lock by 90 °.



5 Cleaning

Clean the trap chamber either with a water jet or mechanically. A length of spring can be used to clean the waste pipe too.

Clean the drain channel and grid at least 4 times per year.

Recommended trap cleaning is at least 1x per month or immediately after a decrease in flowrate (water does not drain quickly and stays in the shower).

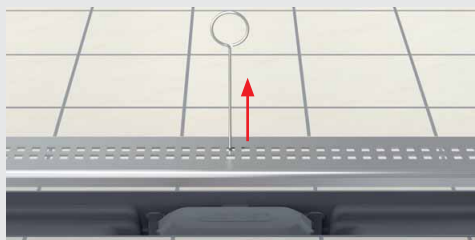
AHP80 WATERPROOFING TAPE

Waterproof adhesive tape is included in the box. Use of this tape ensures a permanent but elastic connection of the drain to the waterproofing of the building.

Self-adhesive waterproofing tapes can also be ordered separately under the following code AHP80 in 1,200 mm long strips.

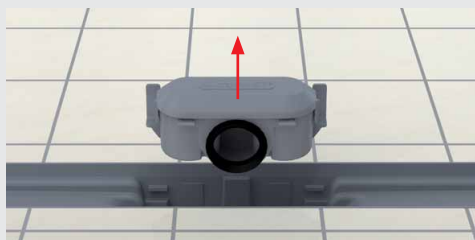


MAINTENANCE OF PLASTIC DRAINS



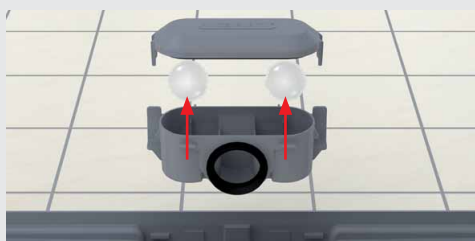
1 Grid removal

The grid is removed using the hook supplied. Make sure this hook is not lost during the installation process! Wash the drain channel with a jet of water.



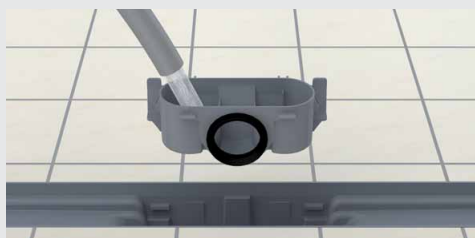
2 Removing the odour trap parts

After releasing the anchoring elements on the back side of the siphon, simply remove it from the tray.



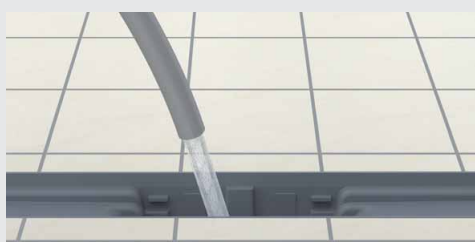
3 Odour trap layout

Loosening the safety clips on both sides of the siphon will release the cover and so we can remove the balls from the SMART trap.



4 Flushing the odour trap

Using a stream of water flush the odour trap, wash also the balls and the siphon cover. When re-inserting the odour trap it is necessary to insert the side with the drainage hole into the lock in the drain and then on the other side repeatedly secure the siphon with anchoring element.



5 Flushing the drain

Clean the trap chamber either with a water jet or mechanically. A length of spring can be used to clean the waste pipe too. Clean the drain channel and grid at least 4 times per year. Recommended trap cleaning is at least 1x per month or immediately after a decrease in flowrate (water does not drain quickly and stays in the shower).



GRID MAINTENANCE

To maintain a perfect look, clean the system at least once a month. Do not use sharp objects or abrasives for cleaning as that can damage the surface of the grid.

ORDERING FORM FOR ATYPICAL ALCA DRAINS



Order number (filled by ALCAPLAST)

1 Type of drain

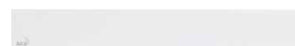
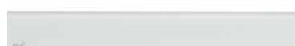
A Drains for perforated grid

APZ1 (1 siphon outflow 60 l/min. , HT Ø50) ☐		APZ1001 (1 siphon outflow 68,8 l/min. , HT Ø50) ☐		APZ2001 (1 siphon outflow 80 l/min. , HT Ø40) ☐	
APZ101 Low (1 siphon outflow 35 l/min. , HT Ø40) ☐		APZ1101 Low (1 siphon outflow 44 l/min. , HT Ø40) ☐			
polished / matt					
LINE  ☐	CUBE  ☐	BUBLE  ☐			
PURE  ☐	HOPE  ☐	DREAM  ☐			

B Antivandal drains with a grid

APZ11 (1 siphon outflow 60 l/min. , HT Ø50) ☐		APZ1011 (1 siphon outflow 68,8 l/min. , HT Ø50) ☐			
APZ111 Low (1 siphon outflow 35 l/min. , HT Ø40) ☐		APZ1111 Low (1 siphon outflow 44 l/min. , HT Ø40) ☐			
				BUBLE  ☐	polished ☐

C Drains for a full grid

APZ6 Professional (1 siphon outflow 60 l/min. , HT Ø50) ☐		APZ1006 Professional (1 siphon outflow 68,8 l/min. , HT Ø50) ☐			
APZ106 Professional Low (1 siphon outflow 35 l/min. , HT Ø40) ☐		APZ1106 Professional Low (1 siphon outflow 44 l/min. , HT Ø40) ☐			
* maximum length of 1150 mm					
GP1204*  ☐	MI1200*  ☐	MP1200*  ☐			
GL1200*  ☐	MI1205*  ☐	MP1205*  ☐			
GL1202*  ☐	MI1206*  ☐	MP1206*  ☐			
GL1203*  ☐	MI1207*  ☐	MP1207*  ☐			
GL1204*  ☐	POSH  ☐	DESIGN  ☐	polished ☐	matt ☐	

D Drains with a grid for inserting tiles

APZ7 Floor (1 siphon outflow 60 l/min. , HT Ø50) ☐		APZ1007 Floor (1 siphon outflow 68,8 l/min. , HT Ø50) ☐			
APZ107 Floor Low (1 siphon outflow 35 l/min. , HT Ø40) ☐		APZ1107 Floor Low (1 siphon outflow 44 l/min. , HT Ø40) ☐			
				FLOOR  ☐	

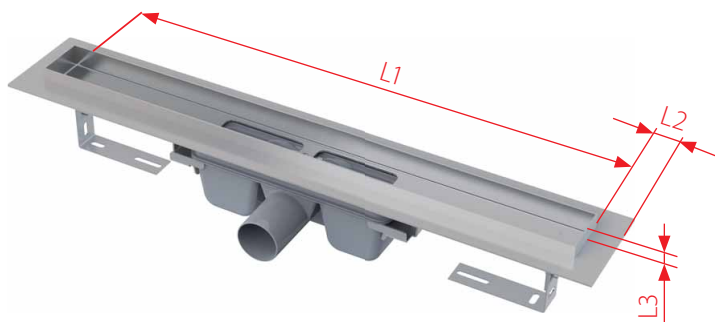
ORDERING FORM FOR ATYPICAL ALCA DRAINS

2 Dimensions

L1 = mm

L2 = mm (min. 30 mm)

L3 = mm (15 mm standard for 12 mm tiles)

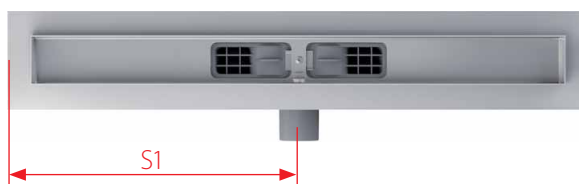


3 Wastes

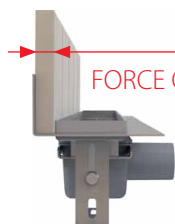
S1 = mm (min. 150 mm) / CENTER ☐

THE REQUIRED OUTFLOW = l/min.

(If the desired outflow rate will be higher than 1 siphon can take (see the data of the selected type of drain), we will contact you to deploy more siphons.)



4 Solid collars



FORCE OF THE CLADDING



mm
+ 5 mm adhesive, waterproofing



5 Material

STANDARD STEEL – AISI 304 (DIN 1.4301, ČSN 17240) ☐
(for common use, such as in the shower corner)

TOUGHER STEEL – AISI 316 (DIN 1.4404, ČSN 17349) ☐
(increased resistance against chemicals and pool chemicals)

6 Other requirements

TAILOR-MADE (own logo on the grid) ☐

OTHER:

7 Contact details

Contact person: _____ Company: _____

Address: _____

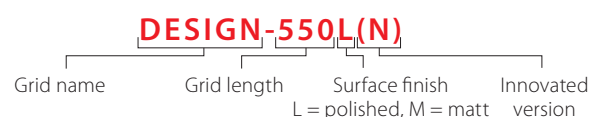
Tel.: _____ E-mail: _____

Order date: _____ Required date: _____ Signature: _____

Professional seller: _____

ORDERING CODES FOR FLOOR DRAINS AND GRIDS ALCA

Shower drains: APZ1, APZ101, APZ1001, APZ1101, APZ4, APZ104, APZ1004, APZ1104, APZ2001							
APZ1-300	APZ1-550	APZ1-650	APZ1-750	APZ1-850	APZ1-950	APZ1-1050	APZ1-1150
APZ101-300	APZ101-550	APZ101-650	APZ101-750	APZ101-850	APZ101-950	APZ101-1050	APZ101-1150
–	APZ4-550	APZ4-650	APZ4-750	APZ4-850	APZ4-950	APZ4-1050	APZ4-1150
–	APZ104-550	APZ104-650	APZ104-750	APZ104-850	APZ104-950	APZ104-1050	APZ104-1150
APZ1001-300	APZ1001-550	APZ1001-650	APZ1001-750	APZ1001-850	APZ1001-950	APZ1001-1050	APZ1001-1150
APZ1101-300	APZ1101-550	APZ1101-650	APZ1101-750	APZ1101-850	APZ1101-950	APZ1101-1050	APZ1101-1150
–	APZ1004-550	APZ1004-650	APZ1004-750	APZ1004-850	APZ1004-950	APZ1004-1050	APZ1004-1150
–	APZ1104-550	APZ1104-650	APZ1104-750	APZ1104-850	APZ1104-950	APZ1104-1050	APZ1104-1150
–	APZ2001-550	APZ2001-650	APZ2001-750	APZ2001-850	APZ2001-950	APZ2001-1050	APZ2001-1150
Grids for: APZ1, APZ101, APZ1001, APZ1101, APZ4, APZ104, APZ1004, APZ1104, APZ2001							
LINE-300L	LINE-550L	LINE-650L	LINE-750L	LINE-850L	LINE-950L	LINE-1050L	LINE-1150L
LINE-300M	LINE-550M	LINE-650M	LINE-750M	LINE-850M	LINE-950M	LINE-1050M	LINE-1150M
–	PURE-550L	PURE-650L	PURE-750L	PURE-850L	PURE-950L	PURE-1050L	PURE-1150L
–	PURE-550M	PURE-650M	PURE-750M	PURE-850M	PURE-950M	PURE-1050M	PURE-1150M
–	CUBE-550L	CUBE-650L	CUBE-750L	CUBE-850L	CUBE-950L	CUBE-1050L	CUBE-1150L
–	CUBE-550M	CUBE-650M	CUBE-750M	CUBE-850M	CUBE-950M	CUBE-1050M	CUBE-1150M
–	HOPE-550L	HOPE-650L	HOPE-750L	HOPE-850L	HOPE-950L	HOPE-1050L	HOPE-1150L
–	HOPE-550M	HOPE-650M	HOPE-750M	HOPE-850M	HOPE-950M	HOPE-1050M	HOPE-1150M
–	BUBLE-550L	BUBLE-650L	BUBLE-750L	BUBLE-850L	BUBLE-950L	BUBLE-1050L	BUBLE-1150L
–	BUBLE-550M	BUBLE-650M	BUBLE-750M	BUBLE-850M	BUBLE-950M	BUBLE-1050M	BUBLE-1150M
–	DREAM-550L	DREAM-650L	DREAM-750L	DREAM-850L	DREAM-950L	DREAM-1050L	DREAM-1150L
–	DREAM-550M	DREAM-650M	DREAM-750M	DREAM-850M	DREAM-950M	DREAM-1050M	DREAM-1150M
Shower drains: APZ6, APZ106, APZ1006, APZ1106							
APZ6-300	APZ6-550	APZ6-650	APZ6-750	APZ6-850	APZ6-950	APZ6-1050	APZ6-1150
APZ106-300	APZ106-550	APZ106-650	APZ106-750	APZ106-850	APZ106-950	APZ106-1050	APZ106-1150
APZ1006-300	APZ1006-550	APZ1006-650	APZ1006-750	APZ1006-850	APZ1006-950	APZ1006-1050	APZ1006-1150
APZ1106-300	APZ1106-550	APZ1106-650	APZ1106-750	APZ1106-850	APZ1106-950	APZ1106-1050	APZ1106-1150
Grids for: APZ6, APZ106, APZ1006, APZ1106							
DESIGN-300LN	DESIGN-550LN	DESIGN-650LN	DESIGN-750LN	DESIGN-850LN	DESIGN-950LN	DESIGN-1050LN	DESIGN-1150LN
DESIGN-300MN	DESIGN-550MN	DESIGN-650MN	DESIGN-750MN	DESIGN-850MN	DESIGN-950MN	DESIGN-1050MN	DESIGN-1150MN
–	POSH-550MN	POSH-650MN	POSH-750MN	POSH-850MN	POSH-950MN	POSH-1050MN	POSH-1150MN
–	GL1200-550	GL1200-650	GL1200-750	GL1200-850	GL1200-950	GL1200-1050	GL1200-1150
–	GL1202-550	GL1202-650	GL1202-750	GL1202-850	GL1202-950	GL1202-1050	GL1202-1150
–	GL1203-550	GL1203-650	GL1203-750	GL1203-850	GL1203-950	GL1203-1050	GL1203-1150
–	GL1204-550	GL1204-650	GL1204-750	GL1204-850	GL1204-950	GL1204-1050	GL1204-1150
–	GP1204-550	GP1204-650	GP1204-750	GP1204-850	GP1204-950	GP1204-1050	GP1204-1150
–	MI1200-550	MI1200-650	MI1200-750	MI1200-850	MI1200-950	MI1200-1050	MI1200-1150
–	MI1205-550	MI1205-650	MI1205-750	MI1205-850	MI1205-950	MI1205-1050	MI1205-1150
–	MI1206-550	MI1206-650	MI1206-750	MI1206-850	MI1206-950	MI1206-1050	MI1206-1150
–	MI1207-550	MI1207-650	MI1207-750	MI1207-850	MI1207-950	MI1207-1050	MI1207-1150
–	MP1200-550	MP1200-650	MP1200-750	MP1200-850	MP1200-950	MP1200-1050	MP1200-1150
–	MP1205-550	MP1205-650	MP1205-750	MP1205-850	MP1205-950	MP1205-1050	MP1205-1150
–	MP1206-550	MP1206-650	MP1206-750	MP1206-850	MP1206-950	MP1206-1050	MP1206-1150
–	MP1207-550	MP1207-650	MP1207-750	MP1207-850	MP1207-950	MP1207-1050	MP1207-1150
Shower drains: APZ7, APZ107, APZ1007, APZ1107 (the grid is included)							
APZ7-300	APZ7-550	APZ7-650	APZ7-750	APZ7-850	APZ7-950	APZ7-1050	APZ7-1150
APZ107-300	APZ107-550	APZ107-650	APZ107-750	APZ107-850	APZ107-950	APZ107-1050	APZ107-1150
APZ1007-300	APZ1007-550	APZ1007-650	APZ1007-750	APZ1007-850	APZ1007-950	APZ1007-1050	APZ1007-1150
APZ1107-300	APZ1107-550	APZ1107-650	APZ1107-750	APZ1107-850	APZ1107-950	APZ1107-1050	APZ1107-1150
Shower drains: APZ11, APZ111 (the grid is included)							
–	APZ11-550	APZ11-650	APZ11-750	APZ11-850	APZ11-950	APZ11-1050	APZ11-1150
–	APZ111-550	APZ111-650	APZ111-750	APZ111-850	APZ111-950	APZ111-1050	APZ111-1150
Waste system: APZ5 (the cover is included in the waste system)							
–	–	APZ5-EDEN-650	APZ5-EDEN-750	APZ5-EDEN-850	APZ5-EDEN-950	APZ5-EDEN-1050	–
–	–	APZ5-SHADE-650	APZ5-SHADE-750	APZ5-SHADE-850	APZ5-SHADE-950	APZ5-SHADE-1050	–
–	–	APZ5-TWIN-650	APZ5-TWIN-750	APZ5-TWIN-850	APZ5-TWIN-950	APZ5-TWIN-1050	–
Plastic linear shower drains: APZ8, APZ9, APZ10 (the grid is included)							
–	APZ8-550M	APZ8-650M	APZ8-750M	APZ8-850M	APZ8-950M	–	–
–	APZ9-550M	APZ9-650M	APZ9-750M	APZ9-850M	APZ9-950M	–	–
–	APZ10-550M	APZ10-650M	APZ10-750M	APZ10-850M	APZ10-950M	–	–
Corner shower drain: ARZ1							
Grids for ARZ1							
TIME, LIFE, GRACE, TRITON, VIEW							



ALCAPLAST team of specialists is always on hand to help with design, installation and to quote project prices of our products!

Czech product
ISO 9001:2008

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Changes in dimension and design reserved.



EN 55014-1, EN 55014-2, EN 61000-6, EN 61000-4
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