



Drain[®]

Drainage systems for macadam surfaces



Site references



Port de Marseille (13)



Viaduc de Millau (12)



Find this product on the
web site
www.danialu.com
or using this Qr Code.



The system

Function

Why a drain?

To guarantee user safety and improve structure lifespan, rain and run-off water must be drained away from the deck of a bridge quickly and effectively. "Drain®" is an important element in the drainage of water from civil engineering structures with a roadway surfaced with permeable macadam pavings.

Technical specifications

What type of drain to use?

Two types of drain are routinely used:

- **Drain alu (aluminium drain)**
- **Spiral (stainless steel drain)**

Recommendations

Commonly used hydrocarbon-based surfaces on cement bridge supports are pervious, therefore water tends to accumulate and flow to the interface between the sealing/road surface layer where it is blocked by the concrete slab. The presence of this water is harmful to the macadam, and there is a risk of it reaching the structure if there is a localised sealing defect. It is therefore preferable to drain it as quickly as possible, especially by systematically installing drainage for the surface that includes:

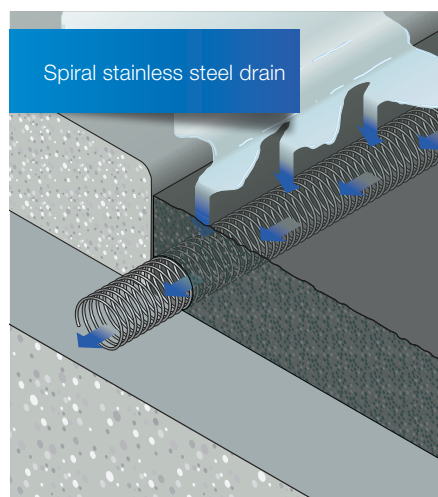
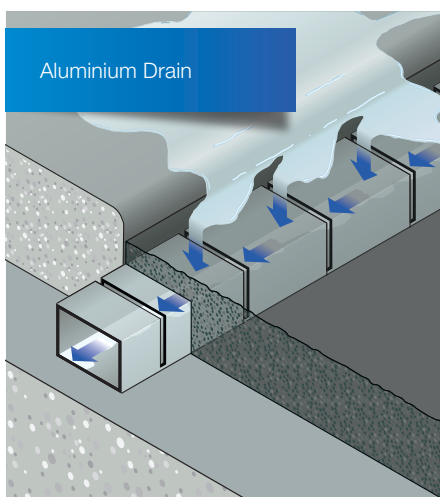
- drains that are transverse to traffic
- lengthwise drains

Drainage capacity can be doubled by placing two drains side by side.

Where can the technical guide to install the drains be found?

The conditions for the use of these drains are laid out in the SETRA ROAD BRIDGE DRAINAGE technical guide.

Water drainage, rip-raps, drainage, gutters ... of June 1989 (ref F8940), which we recommend you buy from:



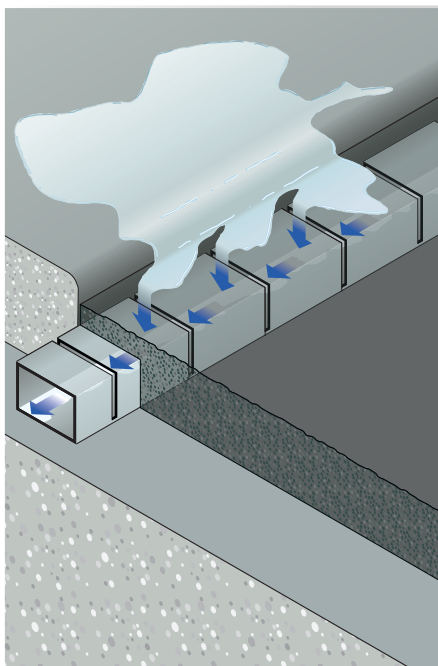
Patented system. Registered trademark and models.

Modifications reserved.

The examples of use are given for information purposes.

All measurements in the catalogue are given in mm

Aluminium® Drain



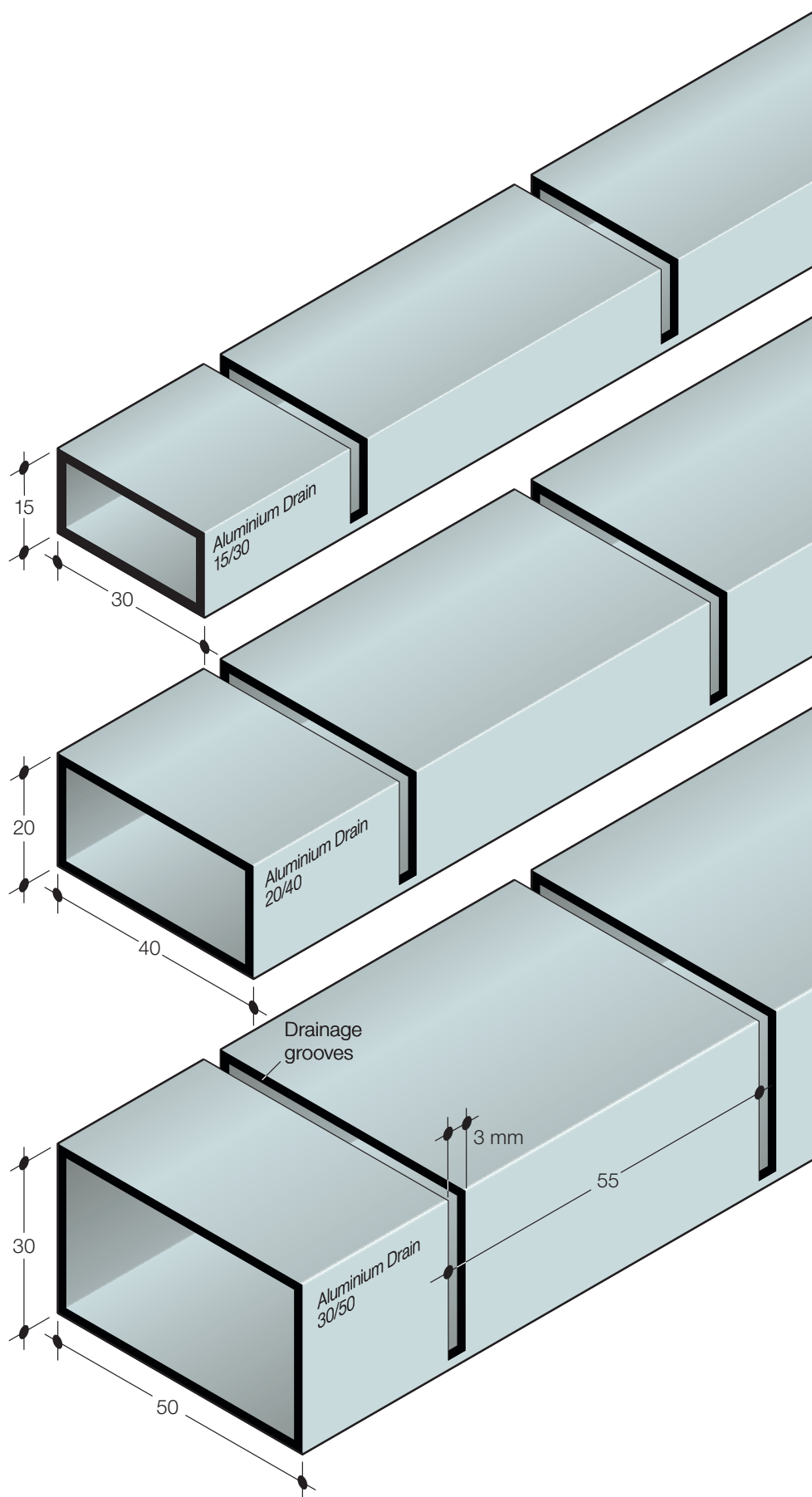
The aluminium drain® is available in 3 standard sizes:

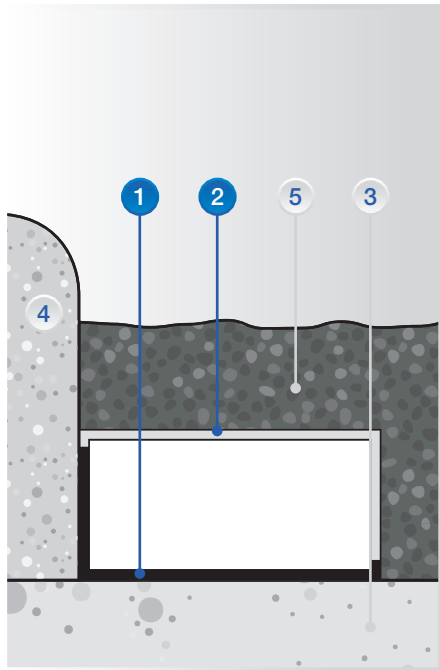
15 x 30 mm

20 x 40 mm

30 x 50 mm

The system can be installed flat or on its side. The elements are delivered in standard lengths of 3000 mm. They are connected together using standard or to-measure connector parts.

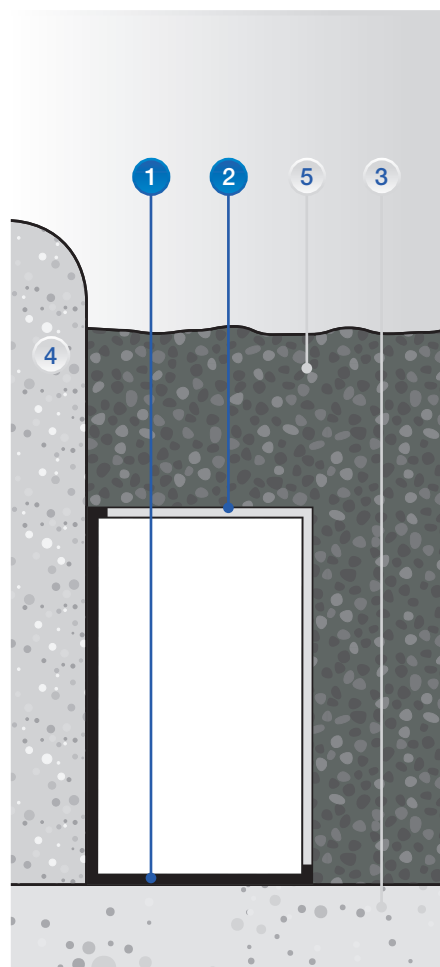




Example of use

Aluminium Drain® 20/40 flat
Scale 1/1

1. Aluminium Drain® 20/40
2. Drainage grooves
3. Support
4. Edge
5. Macadam



Example of use

Aluminium Drain® 30/50 on side
Scale 1/1

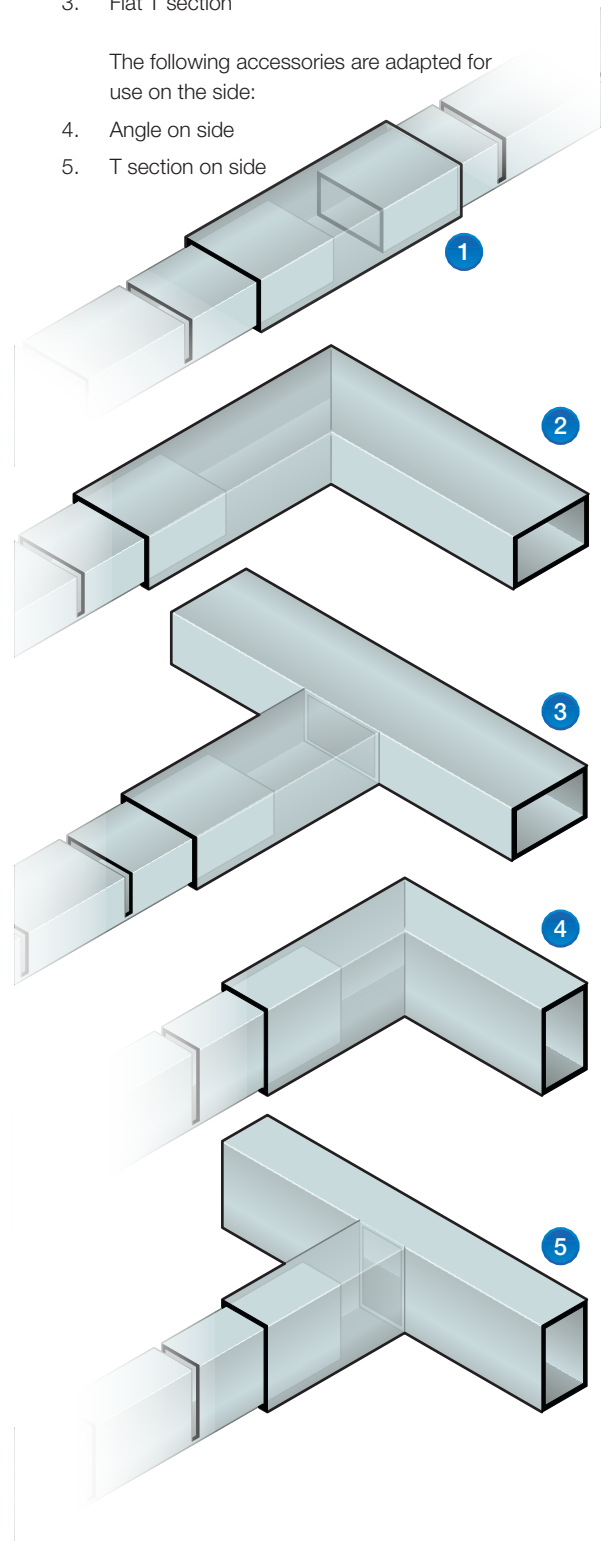
1. Aluminium Drain® 30/50
2. Drainage grooves
3. Support
4. Edge
5. Macadam

Accessories for aluminium drain®

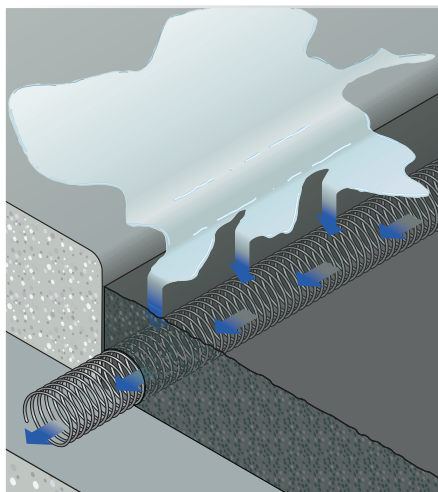
1. Junction sleeve
2. Flat angle
3. Flat T section

The following accessories are adapted for use on the side:

4. Angle on side
5. T section on side



Spiral stainless steel Drain®

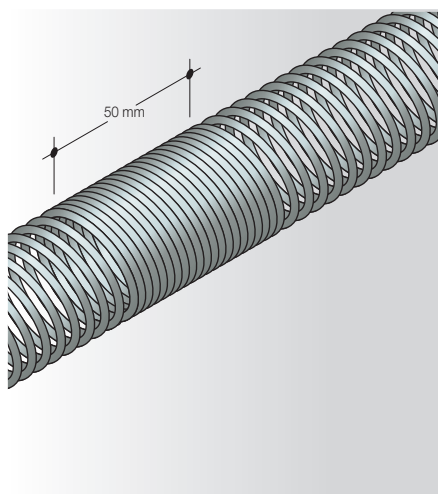


The spiral stainless steel drain® is available in 3 standard sizes:

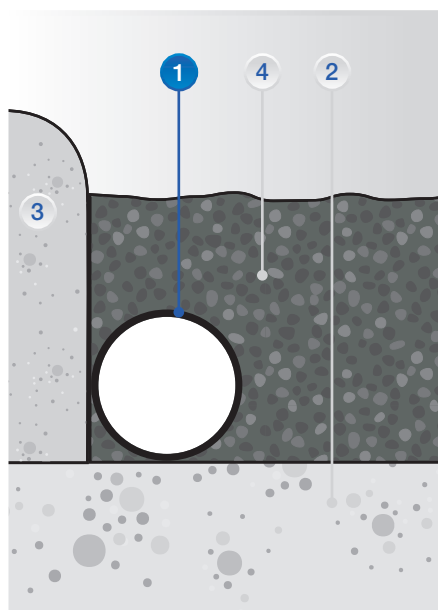
- Ø 20 mm
- Ø 25 mm
- Ø 32 mm

Other sizes possible on request.

Standard element length: 5000 mm



Drains are connected together by insertion of a 50mm length.

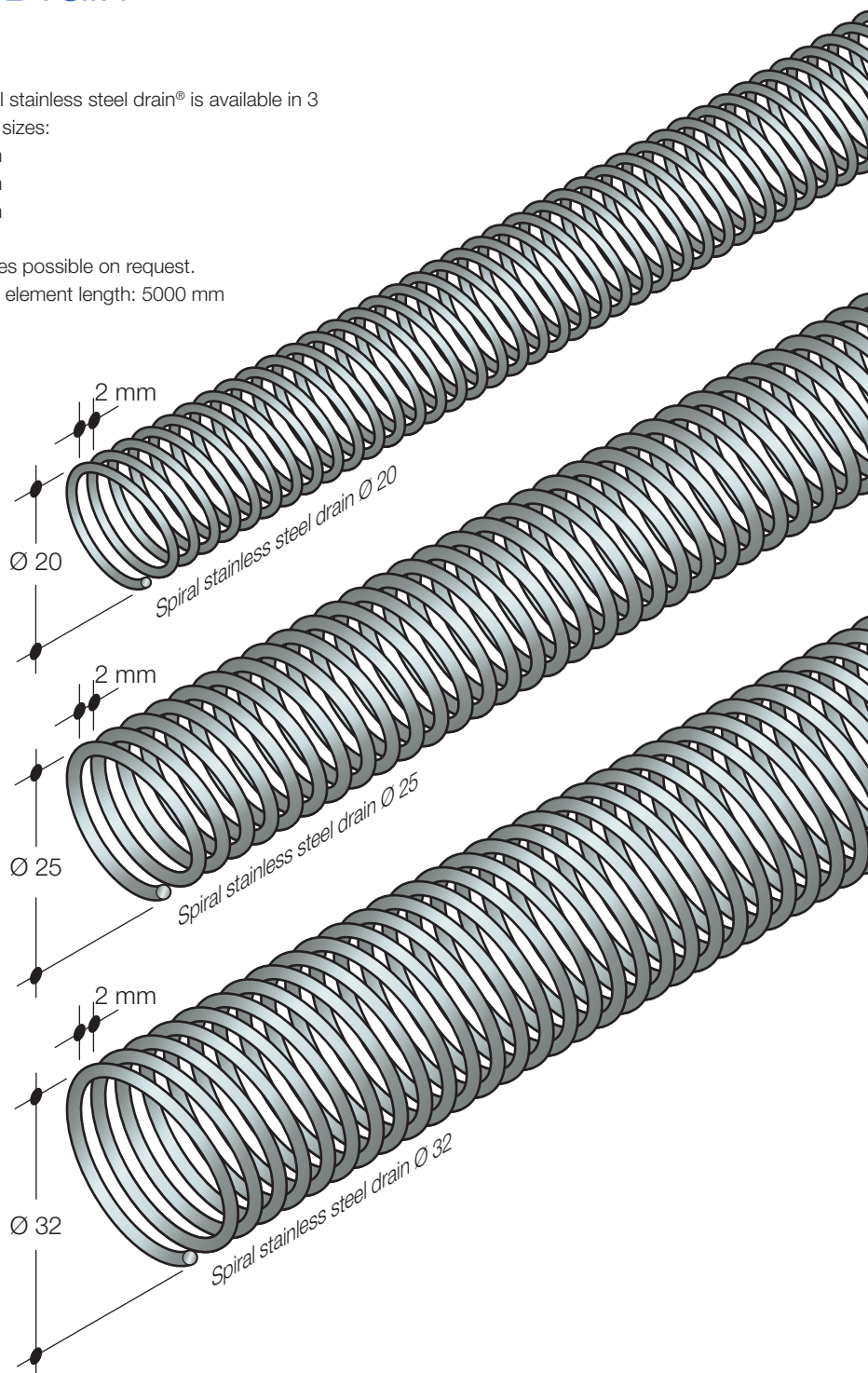


Example of use

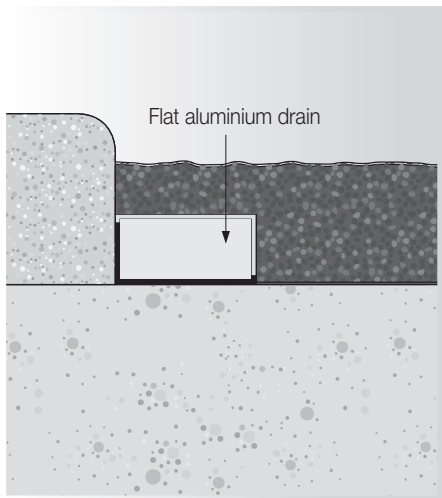
Spiral stainless steel Drain® Ø 20

Ech. 1/1

1. Spiral stainless steel Drain® Ø 20
2. Support
3. Edge
4. Macadam



Descriptive text



Drainage systems for macadam surfaces

Aluminium Drain®

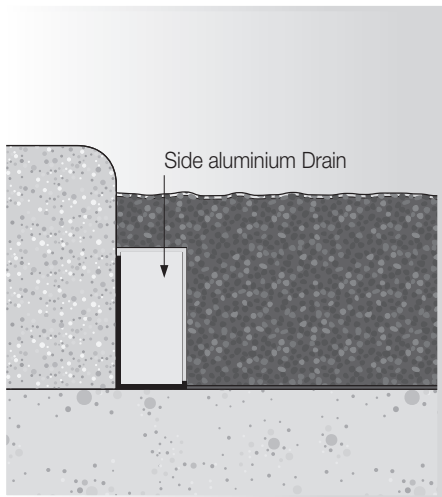
Extruded aluminium water drain for macadam surfaces (Drain® alu* type) * _____ by **dani alu**. System using 3000 mm long profiles and all connecting accessories (junction sleeve, angle, T section).

*Indicate your choice from amongst the following flat models:

15 mm x 30 mm flat

20 mm x 40 mm flat

30 mm x 50 mm flat

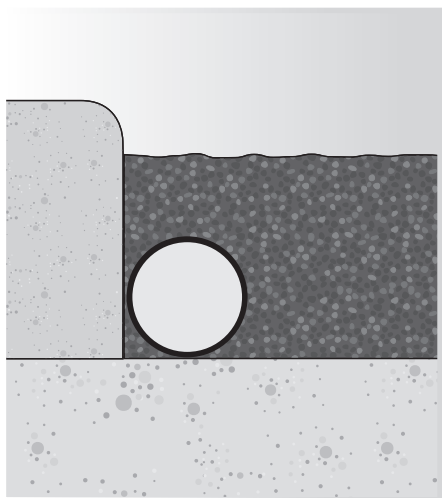


*Indicate your choice from amongst the following side models:

15 mm x 30 mm on side

20 mm x 40 mm on side

30 mm x 50 mm on side



Drainage systems for macadam surfaces

Spiral stainless steel Drain®

Drain® for water drainage in spiral stainless steel type Drain® * _____ by **dani alu**. The elements are connected together by inserting them at least 50 mm.

*Indicate your choice from amongst the following models:

Ø 20 mm

Ø 25 mm

Ø 32 mm

Drain®

☐ Purchase ☐ Price request

(Tick the required option)

Please provide the following information.

Company stamp

Date:

Company (address /company stamp):

Contact: Mrs/Mr.

Phone number: Fax:

Mobile phone: Email:

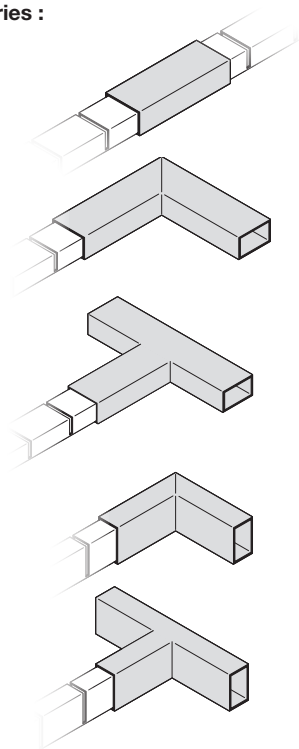
Type of project ☐ new ☐ refurbishment **Site reference:**

Project phase ☐ design ☐ contract

Delivery address

	Quantity	Unit price	Amount
Drain® alu			
<input type="checkbox"/> Model 15 mm x 30 mm	..... ml	.....	.....
<input type="checkbox"/> Model 20 mm x 40 mm	..... ml	.....	.....
<input type="checkbox"/> Model 30 mm x 50 mm	..... ml	.....	.....

Accessories :



<input type="checkbox"/> Sleeve connection	..... units	.....	.....
<input type="checkbox"/> Flat angle	..... units	.....	.....
<input type="checkbox"/> Flat T section	..... units	.....	.....
<input type="checkbox"/> Angle on side	..... units	.....	.....
<input type="checkbox"/> T section on side	..... units	.....	.....

	Quantity	Unit price	Amount
Spiral stainless steel Drain®			
<input type="checkbox"/> Model Ø 20 mm ml
<input type="checkbox"/> Model Ø 25 mm ml
<input type="checkbox"/> Model Ø 32 mm ml

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